[MS-WSUSAR]:

Windows Server Update Services: Administrative API Remoting Protocol (WSUSAR)

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1 Introduction

The Windows Server Update Services: Administrative API Remoting Protocol (WSUSAR) enables communication between the Windows Server Update Services (WSUS) management API and a WSUS server. WSUS provides updates for Windows and its installed components.

Sections 1.5, 1.8, 1.9, 2, and 3 of this specification are normative. All other sections and examples in this specification are informative.

1.1 Glossary

This document uses the following terms:

base64 encoding: A binary-to-text encoding scheme whereby an arbitrary sequence of bytes is converted to a sequence of printable ASCII characters, as described in [RFC4648].

category: A logical grouping of **updates** identified by a **GUID** and described by metadata. A category can be treated as an **update** with no associated content.

certificate: A certificate is a collection of attributes and extensions that can be stored persistently. The set of attributes in a certificate can vary depending on the intended usage of the certificate. A certificate securely binds a public key to the entity that holds the corresponding private key. A certificate is commonly used for authentication and secure exchange of information on open networks, such as the Internet, extranets, and intranets. Certificates are digitally signed by the issuing certification authority (CA) and can be issued for a user, a computer, or a service. The most widely accepted format for certificates is defined by the ITU-T X.509 version 3 international standards. For more information about attributes and extensions, see [RFC3280] and [X509] sections 7 and 8.

client computer: A computer that gets its **updates** from an **update server**. A client can be a desktop computer, a server, or the **update server**. For more information, see [MS-WUSP] and [MS-WSUSSS].

Common Information Model (CIM): The Distributed Management Task Force (DMTF) model that describes how to represent real-world computer and network objects. CIM uses an object-oriented paradigm, where managed objects are modeled using the concepts of classes and instances. See [DMTF-DSP0004].

Coordinated Universal Time (UTC): A high-precision atomic time standard that approximately tracks Universal Time (UT). It is the basis for legal, civil time all over the Earth. Time zones around the world are expressed as positive and negative offsets from UTC. In this role, it is also referred to as Zulu time (Z) and Greenwich Mean Time (GMT). In these specifications, all references to UTC refer to the time at UTC-0 (or GMT).

deployment: An administratively specified decision to make a specific **update revision** available to a specific **target group**.

Distinguished Encoding Rules (DER): A method for encoding a data object based on Basic Encoding Rules (BER) encoding but with additional constraints. DER is used to encode X.509 certificates that need to be digitally signed or to have their signatures verified.

downstream server (DSS): An **update server** that synchronizes its **updates** from another **update server**.

End User License Agreement (EULA): A textual description of the terms that a user or administrator accepts before an **update** is installed. Each **EULA** is identified by a **GUID**, and each update **revision** might be associated with a **EULA**.

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fully qualified domain name (FQDN): An unambiguous domain name that gives an absolute location in the Domain Name System's (DNS) hierarchy tree, as defined in [RFC1035] section 3.1 and [RFC2181] section 11.

globally unique identifier (GUID): A term used interchangeably with universally unique identifier (UUID) in Microsoft protocol technical documents (TDs). Interchanging the usage of these terms does not imply or require a specific algorithm or mechanism to generate the value. Specifically, the use of this term does not imply or require that the algorithms described in [RFC4122] or [C706] must be used for generating the **GUID**. See also universally unique identifier (UUID).

Hypertext Transfer Protocol (HTTP): An application-level protocol for distributed, collaborative, hypermedia information systems (text, graphic images, sound, video, and other multimedia files) on the World Wide Web.

Hypertext Transfer Protocol Secure (HTTPS): An extension of HTTP that securely encrypts and decrypts web page requests. In some older protocols, "Hypertext Transfer Protocol over Secure Sockets Layer" is still used (Secure Sockets Layer has been deprecated). For more information, see [SSL3] and [RFC5246].

Internet Protocol version 4 (IPv4): An Internet protocol that has 32-bit source and destination addresses. IPv4 is the predecessor of IPv6.

Internet Protocol version 6 (IPv6): A revised version of the Internet Protocol (IP) designed to address growth on the Internet. Improvements include a 128-bit IP address size, expanded routing capabilities, and support for authentication and privacy.

man in the middle (MITM): An attack that deceives a server or client into accepting an unauthorized upstream host as the actual legitimate host. Instead, the upstream host is an attacker's host that is manipulating the network so that the attacker's host appears to be the desired destination. This enables the attacker to decrypt and access all network traffic that would go to the legitimate host. The attacker is able to read, insert, and modify at-will messages between two hosts without either party knowing that the link between them is compromised.

Microsoft Update: A Microsoft-hosted website located at http://update.microsoft.com.

PKCS #12: The Personal Information Exchange Syntax Standard developed and maintained by RSA Data Security, Inc. This syntax standard specifies a portable format for storing or transporting a user's private keys, and secrets.

revision: A specific version of an **update** that is identified by a combination of an UpdateID **GUID** and a 32-bit revision number.

revision ID: A compact, server-assigned, 32-bit identifier for a **revision** that is used to identify the **revision** during client/server communication.

Secure Sockets Layer (SSL): A security protocol that supports confidentiality and integrity of messages in client and server applications that communicate over open networks. SSL uses two keys to encrypt data-a public key known to everyone and a private or secret key known only to the recipient of the message. SSL supports server and, optionally, client authentication using **X.509** certificates. For more information, see [X509]. The SSL protocol is precursor to Transport Layer Security (TLS). The TLS version 1.0 specification is based on SSL version 3.0 [SSL3].

security identifier (SID): An identifier for security principals that is used to identify an account or a group. Conceptually, the **SID** is composed of an account authority portion (typically a domain) and a smaller integer representing an identity relative to the account authority, termed the relative identifier (RID). The **SID** format is specified in [MS-DTYP] section 2.4.2; a string representation of **SIDs** is specified in [MS-DTYP] section 2.4.2 and [MS-AZOD] section 1.1.1.2.

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signing certificates: The **certificate** that represents the identity of an entity (for example, a certification authority (CA), a web server or an S/MIME mail author) and is used to verify signatures made by the private key of that entity. For more information, see [RFC3280].

SOAP: A lightweight protocol for exchanging structured information in a decentralized, distributed environment. **SOAP** uses XML technologies to define an extensible messaging framework, which provides a message construct that can be exchanged over a variety of underlying protocols. The framework has been designed to be independent of any particular programming model and other implementation-specific semantics. SOAP 1.2 supersedes SOAP 1.1. See [SOAP1.2-1/2003].

SOAP action: The HTTP request header field used to indicate the intent of the **SOAP** request, using a URI value. See [SOAP1.1] section 6.1.1 for more information.

SOAP fault: A container for error and status information within a SOAP message. See [SOAP1.2-1/2007] section 5.4 for more information.

target group: A named collection of **client computers** whose members are defined administratively.

update: The combination of metadata and associated content for a software update. An **update** is identified by a **GUID**.

update server: A computer that implements the Windows Server Update Services: Server-Server Protocol or the Windows Server Update Services: Client-Server Protocol to provide **updates** to **client computers** and other **update servers**.

upstream server (USS): An **update server** that provides **updates** to other **update servers**.

UTF-8: A byte-oriented standard for encoding Unicode characters, defined in the Unicode standard. Unless specified otherwise, this term refers to the UTF-8 encoding form specified in [UNICODE5.0.0/2007] section 3.9.

web service: A software system designed to support interoperable machine-to-machine interaction over a network, using XML-based standards and open transport protocols.

Web Services Description Language (WSDL): An XML format for describing network services as a set of endpoints that operate on messages that contain either document-oriented or procedure-oriented information. The operations and messages are described abstractly and are bound to a concrete network protocol and message format in order to define an endpoint. Related concrete endpoints are combined into abstract endpoints, which describe a network service. WSDL is extensible, which allows the description of endpoints and their messages regardless of the message formats or network protocols that are used.

Windows Update Agent (WUA): A component originally introduced in the Windows 2000 Server operating system Service Pack 3 (SP3) operating system that enables a computer to operate as a client of an **update server**.

WSDL message: An abstract, typed definition of the data that is communicated during a **WSDL operation** [WSDL]. Also, an element that describes the data being exchanged between web service providers and clients.

WSDL operation: A single action or function of a web service. The execution of a WSDL operation typically requires the exchange of messages between the service requestor and the service provider.

X.509: An ITU-T standard for public key infrastructure subsequently adapted by the IETF, as specified in [RFC3280].

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MAY, SHOULD, MUST, SHOULD NOT, MUST NOT: These terms (in all caps) are used as defined in [RFC2119]. All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

1.2 References

Links to a document in the Microsoft Open Specifications library point to the correct section in the most recently published version of the referenced document. However, because individual documents in the library are not updated at the same time, the section numbers in the documents may not match. You can confirm the correct section numbering by checking the Errata.

1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact dochelp@microsoft.com. We will assist you in finding the relevant information.

[ISO/IEC-9075-2-2008] ISO/IEC, "Information technology - Database Languages - SQL - Part 2: Foundation (SQL/Foundation)", INCITS/ISO/IEC 9075-2-2008, January 2009, http://webstore.ansi.org/RecordDetail.aspx?sku=INCITS%2fISO%2fIEC+9075-2-2008

Note There is a charge to download the specification.

[MS-LCID] Microsoft Corporation, "Windows Language Code Identifier (LCID) Reference".

[MS-WSUSSS] Microsoft Corporation, "Windows Update Services: Server-Server Protocol".

[MS-WUSP] Microsoft Corporation, "Windows Update Services: Client-Server Protocol".

[RFC1766] Alvestrand, H., "Tags for the Identification of Languages", RFC 1766, March 1995, http://www.ietf.org/rfc/rfc1766.txt

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, http://www.rfc-editor.org/rfc/rfc2119.txt

[RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, http://www.rfc-editor.org/rfc/rfc2616.txt

[RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, http://www.rfc-editor.org/rfc/rfc2818.txt

[SOAP1.2-1/2003] Gudgin, M., Hadley, M., Mendelsohn, N., et al., "SOAP Version 1.2 Part 1: Messaging Framework", W3C Recommendation, June 2003, http://www.w3.org/TR/2003/REC-soap12-part1-20030624

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[WSDL] Christensen, E., Curbera, F., Meredith, G., and Weerawarana, S., "Web Services Description Language (WSDL) 1.1", W3C Note, March 2001, http://www.w3.org/TR/2001/NOTE-wsdl-20010315

[XMLNS] Bray, T., Hollander, D., Layman, A., et al., Eds., "Namespaces in XML 1.0 (Third Edition)", W3C Recommendation, December 2009, http://www.w3.org/TR/2009/REC-xml-names-20091208/

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[XMLSCHEMA1] Thompson, H., Beech, D., Maloney, M., and Mendelsohn, N., Eds., "XML Schema Part 1: Structures", W3C Recommendation, May 2001, http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/

[XMLSCHEMA2] Biron, P.V., Ed. and Malhotra, A., Ed., "XML Schema Part 2: Datatypes", W3C Recommendation, May 2001, http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/

[XMLSCHEMA] World Wide Web Consortium, "XML Schema", September 2005, http://www.w3.org/2001/XMLSchema

1.2.2 Informative References

[MS-WSUSOD] Microsoft Corporation, "Windows Server Update Services Protocols Overview".

[MSDN-CABFF] Microsoft Corporation, "File Cabinet Format", http://msdnstage.redmond.corp.microsoft.com/en-us/library/jj633113.aspx

[MSDN-CreateUpdateMetadata] Microsoft Corporation, "Creating Update Metadata", http://msdn.microsoft.com/en-us/library/bb902486(v=vs.85).aspx

[MSDN-TSQL-Ref] Microsoft Corporation, "Transact-SQL Reference", SQL Server 2005 Books Online (November 2008), http://msdn.microsoft.com/en-us/library/ms189826(SQL.90).aspx

1.3 Protocol Overview (Synopsis)

This specification defines the Windows Server Update Services: Administrative API Remoting Protocol (WSUSAR), which enables communication between the WSUS management API and a WSUS server to remotely manage the WSDL operations for WSUS specified in section 3.1.4.

For an overview of the WSUS protocols, see [MS-WSUSOD].

1.4 Relationship to Other Protocols

WSUSAR uses **SOAP** over **HTTP**, as described in [RFC2616], and SOAP over **HTTPS**, as described in [RFC2818], and as shown in the following layering diagram.

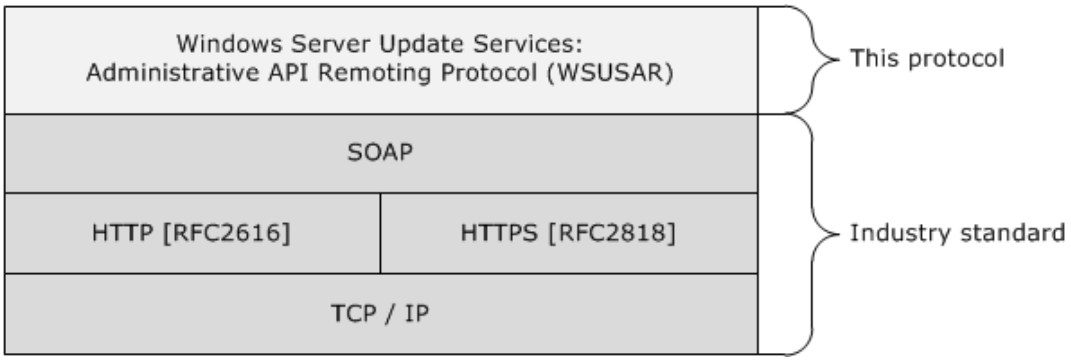

Figure 1: Relationship to other protocols

Although WSUSAR defines how **updates** and update metadata are managed and assigned to target groups, it does not define how those updates and update metadata are added to the update server. That is specified Windows Update Services Server-Server Protocol [MS-WSUSSS].

WSUSAR also does not specify how computers are discovered. That is defined in Windows Update Services: Client-Server Protocol [MS-WUSP].

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1.5 Prerequisites/Preconditions

WSUSAR imposes the following requirements on client implementations:

- A client implementation is required to have an implementation-specific way of obtaining the **fully qualified domain name (FQDN)** or IP address and the TCP/IP port of the **update server**.
- This protocol does not require the use of **HTTPS**. However, when an update server is configured to require HTTPS, the client implementation is required to have an implementation-specific way of learning the root **X.509 certificate** used for verifying the server.
- The protocol requires client authentication, but the actual manner in which the authentication is performed is implementation specific. The client implementation needs an implementation-specific way of obtaining the authentication scheme to use, as well as the identity information to be passed to the update server for authenticating the client.

WSUSAR imposes the following initialization requirements on the protocol server:

- Metadata synchronization for the protocol server is performed as defined in [MS-WSUSSS], and according to the specific requirements of the implementation.
- Server-to-server synchronization is performed as defined in [MS-WSUSSS], and according to the specific requirements of the implementation.
- The **client computer** is registered with the protocol server as defined in [MS-WUSP], and according to the specific requirements of the implementation.

1.6 Applicability Statement

WSUSAR is applicable in environments where update servers are managed remotely.

1.7 Versioning and Capability Negotiation

None.

1.8 Vendor-Extensible Fields

None.

1.9 Standards Assignments

None.

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2 Messages

2.1 Transport

WSUSAR is a client-to-server protocol that consists of a **SOAP**-based **web service**.

WSUSAR operates over the following web service transports:

- SOAP over HTTP over TCP/IP [RFC2616]
- SOAP over HTTPS over TCP/IP [RFC2818]

2.2 Common Message Syntax

This section contains common definitions used by this protocol. The syntax of the definitions uses the XML schema as defined in [XMLSCHEMA1] and [XMLSCHEMA2], and the **Web Services Description Language (WSDL)** as defined in [WSDL].

2.2.1 Namespaces

This specification defines and references various XML namespaces by using the mechanisms specified in [XMLNS]. Although this specification associates a specific XML namespace prefix for each XML namespace that is used, the choice of any particular XML namespace prefix is implementation-specific and not significant for interoperability.

Prefixes and XML namespaces used in this specification are as follows:

Prefix	Namespace URI	Reference
q1	http://schemas.datacontract.org/2004/07/	n/a
q2	http://www.microsoft.com/SoftwareDistribution/Server/IMonitorable	
soap12	http://schemas.xmlsoap.org/wsdl/soap12/	[SOAP1.2-1/2003], [SOAP1.2-2/2003]
tns	http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService	This specification
wsaw	http://www.w3.org/2006/05/addressing/wsdl	[WSAWSDL]
wsdl	http://schemas.xmlsoap.org/wsdl/	[WSDL]
xsd	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA]

2.2.2 Messages

This specification does not define any common **WSDL** message definitions.

2.2.3 Elements

This specification defines the following common XML schema element definitions.

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2.2.3.1 UpdateScope Element

The UpdateScope element is the top level node for the update search scope XML fragment that is used to filter a search query for updates based on a set of criteria. This element MUST be present. It MUST occur only once.

```
<UpdateScope
  ApprovedStates="[integer]"
  FromArrivalDate="[datetime]"
  ToArrivalDate="[datetime]"
  UpdateTypes="[integer]"
  IncludedInstallationStates="[integer]"
  ExcludedInstallationStates="[integer]"
  TextIncludes="[string]"
  TextNotIncludes="[string]"
  IsWsusInfrastructureUpdate="[bool]"
  Categories="[string]"
  Classifications="[string]"
  FromCreationDate="[datetime]"
  ToCreationDate="[datetime]"
  UpdateApprovalActions="[integer]"
  ApprovedComputerTargetGroups="[string]"
  ExcludeOptionalUpdates="[bool]" >
    <UpdateApprovalScope>…</UpdateApprovalScope>
</UpdateScope>
```

2.2.3.1.1 ApprovedStates Attribute

If specified, this attribute contains an integer value representing a bitmask that specifies for which update approval state to filter the list of updates. The possible values are as follows:

Possible value	Meaning
0xFFFFFFFF	Filter for updates with any approval state.
0x1	Include updates for which the latest **revision** has been approved.
0x2	Include updates that have an approval on a revision that is not the latest revision.
0x4	Include updates that have not been approved or declined.
0x8	Include updates that have been declined.

2.2.3.1.2 FromArrivalDate Attribute

This attribute denotes the lower boundary on the date when the latest revision of an **update** was synchronized with the update server. If specified, an update is included if it has been synchronized either at the specified time and date or at a later point in time.

2.2.3.1.3 ToArrivalDate Attribute

This attribute denotes the upper boundary on the date when the latest revision of an **update** was synchronized with the update server. If specified, an update is included if it has been synchronized either at the specified time and date or at an earlier point in time.

2.2.3.1.4 UpdateTypes Attribute 1

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If specified, this attribute contains an integer value representing a bitmask that specifies for which **update** types to include in the list of updates. The possible values are as follows:

Possible value	Meaning
0x1	Include driver updates.
0x2	Include software updates.
0x4	Include application software.
0xFFFFFFFF	Include any of the options (0x1, 0x2, 0x4).

2.2.3.1.5 IncludedInstallationStates Attribute

If specified, this attribute contains an integer value representing a bit mask that specifies which update installation states are to be included in the resulting list of updates. The possible values are as follows:

Possible value	Meaning
0x1	Include updates for which **UpdateInstallationState** is Unknown.
0x2	Include updates for which **UpdateInstallationState** is NotApplicable.
0x4	Include updates for which **UpdateInstallationState** is NotInstalled.
0x8	Include updates for which **UpdateInstallationState** is Downloaded.
0x10	Include updates for which **UpdateInstallationState** is Installed.
0x20	Include updates for which **UpdateInstallationState** is Failed.
0x40	Include updates for which **UpdateInstallationState** is InstalledPendingReboot.
0xFFFFFFFF	Include updates for which **UpdateInstallationState** is any of the options (0x1, 0x2, 0x4, 0x8, 0x10, 0x20, 0x40).

The **UpdateInstallationState** enumeration is defined in section 2.2.5.1.

2.2.3.1.6 ExcludedInstallationStates Attribute

If specified, this attribute contains an integer value representing a bitmask that specifies which update installation states MUST NOT be included in the resulting list of updates. Possible values for this attribute are defined in section 2.2.3.2.8.

2.2.3.1.7 TextIncludes Attribute

If specified, this attribute represents a search string. An update is included only if its title, description, KB Article ID, or Security Bulletin ID contains the search string specified by this attribute.

2.2.3.1.8 TextNotIncludes Attribute

If specified, this attribute represents a search string. An update is excluded only if its title, description, KB Article ID, or Security Bulletin ID contains the search string specified by this attribute.

2.2.3.1.9 IsWsusInfrastructureUpdate Attribute

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If present, this attribute specifies whether or not to filter for mandatory updates. If 0, an update is included regardless of whether or not it is mandatory. If 1, an update is included only if the update is mandatory.

2.2.3.1.10 Categories Attribute

If present, this attribute specifies a list of category **GUID**. An update is included only if it is associated with one of the categories specified. If the attribute is absent, the update can be associated with any category.

The list of allowable categories is defined as a string of an XML fragment:

```
'<root><CategoryID>CATEGORY_ID</CategoryID>...</root>'
```

Because this is an attribute, the XML fragment has to be escaped, for example:

```
Categories="&lt;root&gt;&lt;CategoryID&gt;CATEGORY_ID&lt;/CategoryID&gt;&lt;/root&gt;"
```

2.2.3.1.11 Classifications Attribute

If present, this attribute specifies a list of classification GUIDs. An update is included only if it is associated with one of the classifications specified. If the attribute is absent, the update can be associated with any classification. The format of the string is defined in section 2.2.4.12.1.1.

2.2.3.1.12 FromCreationDate Attribute

If present, this attribute denotes the lower boundary on the date when the latest **revision** of an update was created. If specified an update is included if it has been created either at the specified time and date or at a later point in time.

Note that while the arrival date can vary among various downstream update servers, the creation time is the same on all machines.

2.2.3.1.13 ToCreationDate Attribute

If present, this attribute denotes the upper boundary on the date when the latest **revision** of an update was created. If specified, an update is included if it has been created either at the specified time and date, or at an earlier point in time.

Note that while the arrival date can vary among various downstream update servers, the creation time is the same on all machines.

2.2.3.1.14 UpdateApprovalActions Attribute

If specified, this attribute contains an integer value representing a bitmask that defines what update approval actions are to be included in the search. An update MUST be included if it is approved by at least one target group for at least one of the specified actions. The possible approval actions are as follows:

Possible value	Meaning
0x1	Include updates that are approved for installation.
0x2	Include updates that are approved for uninstallation.

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Possible value	Meaning
0xFFFFFFFF	Include updates that are approved for any of the other actions (0x1, 0x2).

2.2.3.1.15 ApprovedComputerTargetGroups Attribute

If present, this attribute specifies a list of target group GUIDs. An update is included only if it is approved for either installation or uninstallation to at least one of the target groups specified. If the attribute is absent, the update can be associated with any target group.

The list of allowable target groups is defined as a string of an XML fragment:

```
'<root><TargetGroupID>GUID</TargetGroupID>...</root>'
```

Because this is an attribute, the XML fragment has to be escaped, for example:

```
ApprovedComputerTargetGroups = "&lt;root&gt;&lt;TargetGroupID &gt;GUID&lt;/TargetGroupID
&gt;&lt;/root&gt;"
```

2.2.3.1.16 UpdateTypes Attribute 2

If specified, this attribute contains an integer value representing a bitmask that describes what update types are to be included in the search. If the attribute is absent, no filtering is done based on the update type. The possible bit values are as follows:

Possible value	Meaning
0x1	Include updates that were published by Microsoft.
0x2	Include updates that were published by a source other than Microsoft.
0xFFFFFFFF	Include updates that were published by any of the other sources (0x1, 0x2).

2.2.3.1.17 ExcludeOptionalUpdates Attribute

If present, this attribute contains a Boolean value that indicates whether or not to exclude updates which have an optional approval for any revision to any target group.

2.2.3.1.18 UpdateApprovalScope Element

The UpdateApprovalScope element defines a list of target groups to which an update has been approved for installation. If specified, it MUST occur at the most one time.

```
<UpdateApprovalScope>
   <ComputerTargetGroups>...</ComputerTargetGroups>
</UpdateApprovalScope>
```

2.2.3.1.18.1 ComputerTargetGroups Element

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The ComputerTargetGroups element specifies a list of target group GUIDs. It MUST occur only once.

```
<ComputerTargetGroups>
   <TargetGroupID>...</TargetGroupID>
</ComputerTargetGroups>
```

2.2.3.1.18.1.1 TargetGroupID Element

The TargetGroupID element can be specified zero or more times. It contains the GUID of a target group as text node.

```
<TargetGroupID>Some GUID</TargetGroupID>
```

2.2.3.2 ComputerTargetScope Element

The ComputerTargetScope element is the top level node for the computer search scope XML fragment that is used to search for computers based on a set of criteria. This element MUST be present. It MUST occur only one time.

```
<ComputerTargetScope
  NameIncludes = "[string]"
  RequestedTargetGroupNames = "[string]"
  FromLastSyncTime = "[datetime]"
  ToLastSyncTime = "[datetime]"
  FromLastReportedStatusTime = "[datetime]"
  ToLastReportedStatusTime = "[datetime]"
  IncludedInstallationStates = "[integer]"
  ExcludedInstallationStates = "[integer]"
  ComputerTargetGroups = "[string]"
  IncludeSubgroups = "[bool]"
  IncludeDownstreamComputerTargets = "[bool]" />
```

2.2.3.2.1 NameIncludes Attribute

If this attribute is present, a computer MUST be included in the results of the search, if the specified string is contained in the **FQDN** of that computer. If the string is empty or NULL, no filtering MUST be done based on the computer's FQDN.

2.2.3.2.2 RequestedTargetGroupNames Attribute

If this attribute is present, it specifies a list of target group names. A computer MUST be included in the results of a search, if that computer has requested to be associated with one of the target groups specified. If the attributes value is empty or NULL, or the attribute is absent, no filtering MUST be done based on the computer's requested target group name.

The list of allowable requested target groups is defined as a string of an XML fragment:

```
'<root><RequestedTargetGroup Name="Target Group Name" />...</root>'
```

Because this is an attribute, the XML fragment has to be escaped, for example:

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```
RequestedTargetGroupNames = "&lt;root&gt;&lt;RequestedTargetGroup Name=&quot;Target Group
Name&quot;&gt;&lt;/RequestedTargetGroup&gt;…&lt;/root&gt;"
```

Note that this is not filtering based on which target groups the computer belongs to. Rather, it is filtering based on what target group names the computer has claimed to belong. The names cannot correspond to any real target group.

2.2.3.2.3 FromLastSyncTime Attribute

If present, this attribute denotes the lower boundary on the date when a **client computer** last synchronized with the update server. If specified, a computer is included if it has been synchronized with the update server either at the specified time and date or at a later point in time.

2.2.3.2.4 ToLastSyncTime Attribute

If present, this attribute denotes the upper boundary on the date when a **client computer** last synchronized with the update server. If specified, a computer is included if it has been synchronized with the update server either at the specified time and date or at an earlier point in time.

2.2.3.2.5 FromLastReportedStatusTime Attribute

If present, this attribute denotes the lower boundary on the date when a **client computer** last reported back its status with the update server. If specified, a computer is included if it has been reported the status with the update server either at the specified time and date or at a later point in time.

2.2.3.2.6 ToLastReportedStatusTime Attribute

If present, this attribute denotes the upper boundary on the date when a client computer last reported its status with the update server. If specified, a client computer is included if it has reported its status with the update server either at the specified time and date or at an earlier point in time.

2.2.3.2.7 IncludedInstallationStates Attribute

If present, this attribute contains an integer value representing a bitmask that describes what values of the UpdateInstallationState Enumeration (section 2.2.5.1) are to be included in the search. A computer MUST be included if it has at least one update (out of all of the updates) in at least one of the specified states. The value can be a combination of any number of the following values.

Possible value	Meaning
0x1	Include a computer, if the installation status of at least one update is Unknown.
0x2	Include a computer, if the installation status of at least one update is NotApplicable.
0x4	Include a computer, if the installation status of at least one update is NotInstalled.
0x8	Include a computer, if the installation status of at least one update is Downloaded.
0x10	Include a computer, if the installation status of at least one update is Installed.
0x20	Include a computer, if the installation status of at least one update is Failed.
0x40	Include a computer, if the installation status of at least one update is InstalledPendingReboot.
0xFFFFFFFF	Include a computer, if the installation status of associated updates is any of the other options (0x1, 0x2, 0x4, 0x8, 0x10, 0x20, 0x40).

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The **UpdateInstallationState** enumeration is defined in section 2.2.5.1.

2.2.3.2.8 ExcludedInstallationStates Attribute

If specified, this attribute contains an integer value representing a bitmask that identifies which values of the UpdateInstallationState Enumeration (section 2.2.5.1) MUST NOT be included in the search. Possible values for the attribute are defined in section 2.2.3.2.7 with one exception: the bitmask 0x00000000 MUST be used to denote that computers can have any state.

2.2.3.2.9 ComputerTargetGroups Attribute

If present, this attribute specifies a list of target group GUIDs. If the IncludeSubgroups attribute (section 2.2.3.2.10) is set to FALSE, a computer is included only if it is a direct (explicit) member of at least one of these groups. If the IncludeSubgroups attribute is set to TRUE, then a computer is included if it is a direct or indirect member of one of these groups. If the attribute is absent or empty, no filtering MUST be done based on target groups.

The list of allowable target groups is defined as a string of an XML fragment.

```
'<root><TargetGroupID>GUID</TargetGroupID>...</root>'
```

Because this is an attribute, the XML fragment has to be escaped, for example:

```
ComputerTargetGroups = "&lt;root&gt;&lt;TargetGroupID &gt;GUID&lt;/TargetGroupID
&gt;&lt;/root&gt;"
```

2.2.3.2.10 IncludeSubgroups Attribute

If present, this attribute specifies whether or not to consider target subgroups when filtering for computers that are associated with a specific group. If this attribute is absent, the protocol server MUST only return computers that are assigned to one of the **target groups** specified in the ComputerTargetGroups attribute (section 2.2.3.2.9).

2.2.3.2.11 IncludeDownstreamComputerTargets Attribute

If present, this attribute specifies whether or not to include computers rolled up from downstream servers. If the value is set to FALSE, only computers that synchronize directly with this update server are included. If the value is set to TRUE, then all computers are included.

2.2.4 Complex Types

The following table summarizes the common XML schema complex type definitions that are defined by this specification.

Complex type	Description
ArrayOfAnyType	Defines an array in which each item can have a different type.
ArrayOfArrayOfGenericReadableRow	Defines an array of arrays of type GenericReadableRow (section 2.2.4.12).
ArrayOfGenericReadableRow	Defines an array of type GenericReadableRow (section 2.2.4.12).
ArrayOfGuid	Defines an array of GUIDs.

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Complex type	Description
ArrayOfInt	Defines an array of integers.
ArrayOfString	Defines an array of strings.
AutomaticUpdateApprovalRuleTableRow	Defines a row of AutomaticUpdateApprovalRuleTableRow Complex Type (section 2.2.4.7).
CompleteAutomaticUpdateApprovalRule	Defines a row of CompleteAutomaticUpdateApprovalRule Complex Type (section 2.2.4.8).
CompleteUpdates	Defines a CompleteUpdates Complex Type (section 2.2.4.9).
ConfigurationTableRow	Defines a row of ConfigurationTableRow Complex Type (section 2.2.4.10).
EmailNotificationConfigurationRow	Defines a row of EmailNotificationConfigurationRow Complex Type (section 2.2.4.11).
GenericReadableRow	Contains exactly one instance of type ArrayOfAnyType (section 2.2.4.1) and therefore semantically implements the same type as ArrayOfAnyType.
ServerSyncLanguageData	Defines a ServerSyncLanguageData Complex Type (section 2.2.4.13).
SubscriptionTableRow	Defines a row of SubscriptionTableRow Complex Type (section 2.2.4.14).
UpdateRevisionId	Describes a particular update revision.

2.2.4.1 ArrayOfAnyType

Defines an array in which each item can have a different type.

```
<xsd:complexType name="ArrayOfAnyType">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="anyType" nillable="true"/>
  </xsd:sequence>
</xsd:complexType>
```

anyType: This element contains data of arbitrary type. The actual content depends on the context of the **WSDL operation** that is using this type. For more information, see GenericReadableRow (section 2.2.4.12).

2.2.4.2 ArrayOfArrayOfGenericReadableRow

Defines an array of arrays of type GenericReadableRow (section 2.2.4.12).

```
<xsd:complexType name="ArrayOfArrayOfGenericReadableRow">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfGenericReadableRow"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```


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ArrayOfGenericReadableRow: This element denotes one particular item in the array of ArrayOfGenericReadableRow (section 2.2.4.3) items.

2.2.4.2.1 Instances of ArrayOfArrayOfGenericReadableRow

2.2.4.2.1.1 ClientComputerCollection

ClientComputerCollection is an instance of an ArrayOfArrayOfGenericReadableRow (section 2.2.4.2) that represents information about an arbitrary number of client computers that are recognized by the update server. An instance of this type contains the following information.

Index	Field name	Type	Description
0	Computers	ComputerTargetCollection	Contains information about the client computers that are part of the collection. This field MUST NOT be empty.
1	RequestedTargetGroups	RequestedTargetGroup Relationship	Denotes the target groups requested by the client computers specified in the Computers field. This field can be empty.
2	AssignedTargetGroups	AssignedTargetGroup Relationship	Denotes the target groups to which the client computers specified in the Computers field have been assigned.

2.2.4.3 ArrayOfGenericReadableRow

Defines an array of type GenericReadableRow (section 2.2.4.12).

```
<xsd:complexType name="ArrayOfGenericReadableRow">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="GenericReadableRow"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

GenericReadableRow: This element contains a particular item in the array of GenericReadableRow items. Instances of this type are defined in section 2.2.4.3.1.

2.2.4.3.1 Instances of ArrayOfGenericReadableRow

2.2.4.3.1.1 UpdateInstallationInformationCollection

UpdateInstallationInformationCollection is an instance of ArrayOfGenericReadableRow (section 2.2.4.3) that represents a list of UpdateInstallationInformation (section 2.2.4.12.1.3) items. The instance is used to retrieve information about the installation status for an arbitrary number of updates.

2.2.4.3.1.2 ComputerTargetCollection

ComputerTargetCollection is an instance of an ArrayOfGenericReadableRow (section 2.2.4.3) that represents a number of ComputerTarget (section 2.2.4.12.1.4) entries.

2.2.4.3.1.3 RequestedTargetGroupRelationship

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RequestedTargetGroupRelationship is an instance of an ArrayOfGenericReadableRow (section 2.2.4.3) that represents an n-to-m relationship that identifies the **target groups** requested by the client computers. Each entry in the array of the instance is of type RequestedTargetGroupEntry (section 2.2.4.12.1.5).

2.2.4.3.1.4 AssignedTargetGroupRelationship

AssignedTargetGroupRelationship is an instance of an ArrayOfGenericReadableRow (section 2.2.4.3) that represents an n-to-m relationship that specifies the computers (n) associated with **target groups** (m). Each entry in the array of the instance is of type AssignedTargetGroupRelationshipEntry (section 2.2.4.12.1.6).

2.2.4.3.1.5 UpdateApprovalCollection

This complex type is based on the ArrayOfGenericReadableRow (section 2.2.4.3) type. Each GenericReadableRow item has the following format.

Index	Name	Type	Description
0	DeploymentTime	String	Describes the date and time when the approval became effective. The date is specified in **Coordinated Universal Time (UTC)**. The format of the string is defined in [MSDN-TSQL-Ref].
1	DeploymentStatus	String	This value MUST be set to 1, if the approval is active. If the approval is pending, it MUST be set to 0.
2	ActionId	Integer	Contains the deployment action ID to use.
3	GoLiveTime	String	This field MUST NOT be NULL. It describes when the update will be available for client computers to apply. The date is specified in UTC. The format of the string is defined in [MSDN-TSQL-Ref].
4	Deadline	String	This field MUST NOT be NULL. It describes the time at which that the specified approval type MUST be completed by client computers. After this time, client computers will no longer have a choice about whether to apply the date; AU will automatically download and apply the update. The format of the string is defined in [MSDN-TSQL-Ref].
5	AdminName	String	Contains administrator name in DOMAIN\NAME format.
6	DeploymentGuid	Integer	Contains the **GUID** of the deployment.
7	IsAssigned	Boolean	This field MUST be 1, if the approval is available for Windows Automatic Update. Otherwise, the approval action has to be performed manually on the targeted client computer.
8	UpdateId	String	This field contains the GUID of the update that has been approved.
9	UpdateRevisionNumber	Integer	This field contains the revision number of the update that has been approved. This field in combination with the **UpdateId** field comprises the revision of the update.
10	TargetGroupId	String	This field contains the GUID of the **target group** to which this approval applies.

2.2.4.3.1.6 UpdateFileInfoCollection

This complex type is based on the ArrayOfGenericReadableRow Complex Type (section 2.2.4.3).

Each GenericReadableRow item has the following format.

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Index	Name	Type	Description
0	RevisionId	Integer	This entry contains the locally unique identifier for the update revision.
1	FileName	String	This entry contains the name of the file.
2	Modified	Datetime	This entry specifies the date and time when the file information was last modified in Datetime format.
3	HostedOnMU	Boolean	This entry specifies whether the update is hosted on **Microsoft Update** (MU).
4	Size	String	This entry contains the total size of the update in bytes.
5	FileSize	Integer	This entry MUST be present. It contains the total size of the file in bytes.
6	PatchingType	Integer	This entry MUST be present. It contains an enumeration value that specifies the type of the associated file. For the list of possible values, see the description of the PatchingType in section 3.1.4.96.3.2.
7	IsEula	Boolean	This entry MUST be present. If set, it indicates that the associated file contains **End User License Agreement (EULA)**.

2.2.4.3.1.7 UpdateMetadataCollection

This complex type is based on the ArrayOfGenericReadableRow (section 2.2.4.3). Each GenericReadableRow item has the following format.

Index	Name	Type	Description
0	UpdateID	Integer	This entry contains the GUID of the update.
1	RevisionNumber	Integer	This entry contains the revision number of the update revision.
2	RevisionID	Integer	This entry contains the locally unique Id of the update revision.
3	XML	String	This entry contains the metadata for the latest revision of this update.
4	XML Compressed	String	If the **XML** entry is not set, this entry MUST be set. It contains the compressed XML metadata for the update. The metadata is compressed using in-memory CAB files as defined in [MSDN-CABFF]. The binary data is encoded as a Base64 string.
5	LocalUpdateId	Integer	This entry MUST NOT be NULL. It contains the revision Id for the matching category or classification.

2.2.4.3.1.8 MinimalUpdatePropertiesCollection

This complex type is based on the ArrayOfGenericReadableRow Complex Type (section 2.2.4.3). Each GenericReadableRow item in the array is of type MinimalUpdateProperties (section 2.2.4.12.1.7).

2.2.4.4 ArrayOfGuid

An array of **globally unique identifiers (GUIDs)** used in messages within this protocol.

```
<xsd:complexType name="ArrayOfGuid">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="guid" nillable="true"
type="xsd:string"/>
```


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```
  </xsd:sequence>
</xsd:complexType>
```

guid: A GUID of an object or entity within the protocol. For example, each update has a unique ID that is a GUID.

2.2.4.5 ArrayOfInt

An array of integers used in messages within the protocol.

```
<xsd:complexType name="ArrayOfInt">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="int" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

int: This field MUST be present. It contains an arbitrary integer value.

2.2.4.6 ArrayOfString

An array of strings used in messages within this protocol.

```
<xsd:complexType name="ArrayOfString">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

string: A string is a sequential collection of Unicode characters that represents text. A **String** object is a sequential collection of **System.Char** objects that represents a string.

2.2.4.7 AutomaticUpdateApprovalRuleTableRow

This complex type specifies the metadata for an automatic approval rule. An automatic approval rule can be used to automatically assign updates to a set of target groups. Information specified in this complex type is complemented by information from the CompleteAutomaticUpdateApprovalRule Complex Type (section 2.2.4.8) to comprise the actual rule.

```
<xsd:complexType name="AutomaticUpdateApprovalRuleTableRow">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="Id" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="Enabled" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="Action" type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Name" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DateOffset" nillable="true"
type="xsd:short"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="MinutesAfterMidnight" nillable="true"
type="xsd:short"/>
  </xsd:sequence>
</xsd:complexType>
```


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Id: This field MUST be present. It gets or sets the ID for the rule.

Enabled: This field MUST be present. It specifies whether or not this rule is enabled. If it is set to TRUE, the update server MUST apply the rule.

Action: This field MUST be present. This field MUST be set to 3, which means that any update referenced by this rule MUST be installed by update clients.

Name: This field MUST be present. It gets or sets the name of the rule.

DateOffset: This field MUST be present. It specifies the number of days after which an update referenced by this rule MUST be installed by a client computer. The value specified offsets the time of arrival of an update at the update server. This value is used in combination with the **MinutesAfterMidnight** field to form a deadline to install an update. If this field is set to zero, no deadline is enforced.

MinutesAfterMidnight: This field MUST be present. It gets or sets the number of minutes after midnight to set as the deadline for installing an update referenced by this rule. A deadline is only enforced when the **DateOffset** field contains a nonzero value.

2.2.4.8 CompleteAutomaticUpdateApprovalRule

This complex type contains information about an instance of an automatic approval rule, which can be used to automatically install updates that belong to a specified category or classification to a specified target group.

```
<xsd:complexType name="CompleteAutomaticUpdateApprovalRule">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="RuleRow" nillable="true"
type="tns:AutomaticUpdateApprovalRuleTableRow"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="UpdateClassificationTableRows"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="CategoryTableRows" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="TargetGroupTableRows" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

RuleRow: This field MUST be present. It contains the metadata for the approval rule as specified in section 2.2.4.7.

UpdateClassificationTableRows: This field MUST be present. It contains update classification row information. For more information, see the table in section 2.2.4.12.1.1.

CategoryTableRows: This field MUST be present. It contains the row of category information. For more information, see the table in section 2.2.4.12.1.1.

TargetGroupTableRows: This field MUST be present. It contains the row for the Target Group information as shown in the following table.

Index	Name	Data type	Description
0	Name	**String**	This field MUST NOT be NULL. It contains the name of the **target group**.
1	TargetGroupID	**Integer**	This field MUST NOT be NULL. It contains a unique identifier for the target group.

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Index	Name	Data type	Description
2	OrderValue	**Integer**	This field MUST be present. The field is reserved and MUST be set to zero.
3	GroupPriority	**Integer**	This field MUST NOT be NULL. The default value is 1.

2.2.4.9 CompleteUpdates

Defines the Complete Update complex type.

```
<xsd:complexType name="CompleteUpdates">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="minimalProperties" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="localizedCategoryTitleRows"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="kbArticles" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="bulletins" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="infoUrls" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

minimalProperties: This field MUST be present. It contains a MinimalUpdatePropertiesCollection (section 2.2.4.3.1.8).

localizedCategoryTitleRows: This field MUST be present. It contains localized information about the categories and classifications that this update belongs to. The ArrayOfGenericReadableRow data type is specified in 2.2.4.3. Each item in that array contains the following items:

Index	Name	Data type	Description
0	RevisionId	Integer	This field MUST be present. It contains the revision ID of this update.
1	CategoryType	String	This field MUST be present. It contains the nonlocalized name of the type of the category. The value is implementation specific.
2	CategoryTitle	String	This field MUST be present. It contains the localized name of the category or classification.

kbArticles: This field MUST be present. It gets or sets the array of KB article numbers.

bulletins: This field MUST be present. Each item in the array is a string representing a Microsoft Security Bulletin number associated with this update. This field MUST be empty if no bulletin number is associated with the update.

infoUrls: This field MUST be present. It gets or sets the array of Additional Information URLs.

2.2.4.10 ConfigurationTableRow

The ConfigurationTableRow contains information about the current configuration state of the update server.

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```
<xsd:complexType name="ConfigurationTableRow">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="maxDeltaSyncPeriod" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="anonymousCookieExpirationTime"
type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="simpleTargetingCookieExpirationTime"
type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="maximumServerCookieExpirationTime"
type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="dssTargetingCookieExpirationTime"
type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="subscriptionFailureWaitBetweenRetriesTime"
type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="dispatchManagerPollingInterval"
type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="stateMachineTransitionErrorCaptureLength"
type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="eventLogFloodProtectTime"
type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="autoPurgeClientEventAgeThreshold"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="autoPurgeServerEventAgeThreshold"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="bitsHealthScanningInterval"
type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="autoPurgeDetectionPeriod" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="revisionDeletionTimeThreshold"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="computerDeletionTimeThreshold"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="configurationChangeNumber"
type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="detectConfigChange" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="LastConfigChange" type="xsd:dateTime"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DssAnonymousTargeting"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="IsRegistrationRequired"
type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ReportingServiceUrl" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="ServerId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="ServerTargeting" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="SyncToMU" type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="UpstreamServerName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="RedirectorChangeNumber" type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="MaxCoreUpdatesPerRequest" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="MaxExtendedUpdatesPerRequest"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1"
name="MaxUpdatesPerRequestInGetUpdateDecryptionData" type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="DownloadRegulationUrl" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="DownloadRegulationWebServiceUrl"
nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="LoadOdfLocally" type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="OdfFilePath" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DoServerSyncCompression"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="MaxNumberOfIdsToRequestDataFromUss"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="WsusInstallType" type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ServerString" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="AutoDeployMandatory" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="UseClientIPHttpHeader"
type="xsd:boolean"/>
```


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```
    <xsd:element minOccurs="0" maxOccurs="1" name="ClientIPHttpHeader" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="OobeInitialized" type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="MUUrl" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="ServerPortNumber" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="UpstreamServerUseSsl" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="UseProxy" type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ProxyName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="ProxyServerPort" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="UseSeparateProxyForSsl"
type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="SslProxyName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="SslProxyServerPort" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="AnonymousProxyAccess" type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ProxyUserName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ProxyUserDomain" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="AllowProxyCredentialsOverNonSsl"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="ServerSupportsAllLanguages"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="ServerSupportsAllAvailableLanguages"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HostOnMu" type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="LocalContentCacheLocation" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="LazySync" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DownloadExpressPackages"
type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ImportLocalPath" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="AutoRefreshDeployments"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="AutoRefreshDeploymentsDeclineExpired"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="StateMachineTransitionLoggingEnabled"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="MaxSimultaneousFileDownloads"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="BitsDownloadPriorityForeground"
type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="EncryptionKey" nillable="true"
type="xsd:base64Binary"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="SubscriptionFailureNumberOfRetries"
type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="StatsDotNetWebServiceUri" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="StatsDotNetMaximumBatchSize"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="QueueFlushTimeInMS" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="QueueFlushCount" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="QueueRejectCount" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DispatchMaximumSimultaneousHandlerCalls"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="SleepTimeAfterErrorInMS" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="UseCookieValidation" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DoReportingDataValidation"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DoReportingSummarization"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="ClientReportingLevel" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="CollectClientInventory"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DoDetailedRollup" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="RollupResetGuid" nillable="true"
type="xsd:string"/>
```


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```
    <xsd:element minOccurs="1" maxOccurs="1" name="MURollupOptin" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DssRollupChunkSize" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DisableSyncPrinterCatalog"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DisableSyncDrivers" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DisableNonCriticalDrivers"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="MaxXmlPerRequest" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="MaxXmlPerRequestInServerSync"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="DeploymentChangeDeferral" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="MaxTargetComputers" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="MaxEventInstances" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="MaxConcurrentDatabaseCalls"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1"
name="CategoryScanRequestTrackingReportingInterval" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="CategoryScanRequestTrackingMaxEntries"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="RevisionDeletionSizeThreshold"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="ReplicaMode" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="UssSupportsAllLanguages"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="GetContentFromMU" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="LocalPublishingMaxCabSize"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmDetectIntervalInSeconds"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmRefreshIntervalInSeconds"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmCoreDiskSpaceGreenMegabytes"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmCoreDiskSpaceRedMegabytes"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmCoreCatalogSyncIntervalInDays"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmClientsInstallUpdatesGreenPercent"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmClientsInstallUpdatesRedPercent"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmClientsInventoryGreenPercent"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmClientsInventoryRedPercent"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmClientsInventoryScanDiffInHours"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmClientsSilentGreenPercent"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmClientsSilentRedPercent"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmClientsSilentDays" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmClientsTooManyGreenPercent"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmClientsTooManyRedPercent"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmCoreFlags" type="xsd:unsignedInt"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmClientsFlags" type="xsd:unsignedInt"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmDatabaseFlags" type="xsd:unsignedInt"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="HmWebServicesFlags"
type="xsd:unsignedInt"/>

  </xsd:sequence>
</xsd:complexType>
```

All of the following fields MUST be present.

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maxDeltaSyncPeriod: It specifies the maximum period between server to server synchronizations.

anonymousCookieExpirationTime: It specifies the period of time before an Anonymous cookie expires.

simpleTargetingCookieExpirationTime: It specifies the period of time before a simple targeting cookie expires.

maximumServerCookieExpirationTime: It specifies the maximum allowable period of time before a server cookie expires.

dssTargetingCookieExpirationTime: It specifies the maximum allowable period of time before a Dss targeting cookie expires.

subscriptionFailureWaitBetweenRetriesTime: It specifies the number of retries to attempt on a failed server to server synchronization.

dispatchManagerPollingInterval: This field MUST be present. It specifies the time interval in seconds for the update server to check event changes in the database.

stateMachineTransitionErrorCaptureLength: This field is implementation-specific.<1>

eventLogFloodProtectTime: It gets or sets the time period that SHOULD elapse before an error is written a subsequent time into the NT Event Log.

autoPurgeClientEventAgeThreshold: It gets or sets the amount of time that client events are retained before being removed from the database.

autoPurgeServerEventAgeThreshold: It gets or sets the amount of time that server events are retained before being removed from the database.

bitsHealthScanningInterval: It specifies the time interval in milliseconds between the health monitoring system to check the state of the update server.

autoPurgeDetectionPeriod: It gets or sets the period of time between scans for events to purge on the server.

revisionDeletionTimeThreshold: This field specifies the amount of time in days after which a superseded update revision can be removed from the update server.

computerDeletionTimeThreshold: It specifies the amount of time that has elapsed since the last time the computer was synchronized from the server before it can be deleted using the cleanup wizard.

configurationChangeNumber: This field contain a number that represents a logical version of the configuration contained in an instance of this complex type.

detectConfigChange: If set to TRUE, the update server MUST reject an update to the configuration when the **configurationChangeNumber** field does not match the version at the update server.

LastConfigChange: It specifies the last time that the configuration information was changed.

DssAnonymousTargeting: If set to TRUE, the update server MUST synchronize the update with any downstream server. If set to FALSE, the update server MUST only allow authenticated servers to synchronize updates with the update server.

IsRegistrationRequired: It specifies whether client computers MUST send registration information about their computer to the update server. If set to FALSE, no registration information is necessary.

ReportingServiceUrl: It specifies the URL of the reporting **web service**. It MUST be an HTTPS URL.

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ServerId: It specifies the Id of the server.

ServerTargeting: It specifies if targeting is in client (FALSE) or server (TRUE) mode.

SyncToMU: It specifies if synchronization is being performed to the MU (TRUE) or an upstream server (FALSE).

UpstreamServerName: It specifies the name of the upstream server.

RedirectorChangeNumber: It specifies the redirector change number, which is an opaque number that is used to control update server redirection.

MaxCoreUpdatesPerRequest: This field defines the maximum number of new updates to be returned when a client computer is synchronizing updates through the Windows Update Services: Client-Server Protocol [MS-WUSP].

MaxExtendedUpdatesPerRequest: This field defines the maximum number of update revisions the server MUST return when executing the GetExtendedUpdateInfo method specified in [MS-WUSP] section 2.2.2.2.6.

DownloadRegulationUrl: This field is reserved.

DownloadRegulationWebServiceUrl: This field is reserved.

LoadOdfLocally: This field is reserved.

OdfFilePath: This field is reserved.

DoServerSyncCompression: If this field is set to TRUE, the server MUST enable compression when performing the server-server synchronization protocol specified in [MS-WSUSSS].

MaxNumberOfIdsToRequestDataFromUss: This field specifies the maximum number of updates that a downstream server will request from its upstream server while performing server-to-server synchronization as specified in [MS-WSUSSS]. The downstream server MUST NOT request more updates than the value specified.

WsusInstallType: This field MUST be set to 0.

ServerString: This field contains a descriptive name of the respective update server implementation.<2>

AutoDeployMandatory: It gets or sets whether synchronized-down mandatory updates are automatically deployed. If this field is set to TRUE, mandatory updates MUST be approved automatically. If set to FALSE, mandatory updates MUST be approved manually.

UseClientIPHttpHeader: This field MUST be set to FALSE.

ClientIPHttpHeader: This field MUST be set to an empty string.

OobeInitialized: This field is implementation-specific.<3>

MUUrl: It specifies the default URL to use for MU communications.

ServerPortNumber: It specifies the port number used for server communications.

UpstreamServerUseSsl: It specifies whether the upstream server uses SSL.

UseProxy: It specifies whether the server uses a proxy.

ProxyName: It specifies the name of the proxy.

ProxyServerPort: It specifies the port number of the proxy.

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UseSeparateProxyForSsl: It specifies whether the server uses a separate proxy for SSL traffic.

SslProxyName: It specifies the name of the proxy for SSL traffic.

SslProxyServerPort: It specifies the port number of the proxy for SSL traffic.

AnonymousProxyAccess: It specifies whether the server connects to the proxy anonymously. If set to TRUE, the update server MUST connect to the proxy server without specifying credentials. If set to FALSE, the update server MUST authenticate against the proxy server using the credentials provided by the **ProxyUserName** and **ProxyUserDomain** fields.

ProxyUserName: It specifies the user name for the proxy server.

ProxyUserDomain: It specifies the user domain name for the proxy server.

AllowProxyCredentialsOverNonSsl: It specifies whether proxy credentials SHOULD be allowed over SSL connections that do not support SSL. If set to TRUE, this field specifies that credentials are sent to the proxy server, even though a nonSSL connection is used.

ServerSupportsAllLanguages: It specifies that the server supports all possible languages. The set of possible languages is a superset of the available languages at the update source. For example, an update can be available in some but not all languages.

ServerSupportsAllAvailableLanguages: It specifies that the server supports all available languages at the update source.

HostOnMu: This field specifies whether updates are stored on the update server. If this field is set to TRUE, the update server MUST NOT download updates and provide URLs to the original location for client computers to download updates. If set to FALSE, the update server MUST download updates and MUST make them available for client computers to download the updates from the update server. Note that update metadata is always stored on the update server.

LocalContentCacheLocation: This field specifies the file system location, where the **update server** stores the binary files associated with updates.

LazySync: This field specifies when updates are downloaded to the updates server. If this field is set to TRUE, the update server MUST NOT download updates before they have been approved for a target group. If set to FALSE, the update server MUST download the updates right after the metadata of these updates is added to the update server, regardless of whether or not any of the updates are approved.

DownloadExpressPackages: This field specifies whether or not to download updates for which the PatchingType is set to Express (see section 3.1.4.97.3.2. If set to TRUE, the update server MUST download these files. If set to FALSE, the server MUST NOT download files of that type.

ImportLocalPath: It specifies the base directory where locally published content is placed to enable the content synchronization process to retrieve it. The length of the string MUST NOT be longer than 256 characters.

AutoRefreshDeployments: This field specifies whether or not to update existing update deployments. If this field is set to TRUE, the update server MUST update deployments that contain an update for which a new revision is available. Otherwise, the update server MUST NOT update existing approvals.

Note Updates that require EULA acceptance are exempt from this rule.

AutoRefreshDeploymentsDeclineExpired: This field specifies whether or not an update is automatically declined. If set to TRUE, the update server MUST decline updates if a new update revision declares the update to be expired. This setting only applies if the **AutoRefreshDeployments** field is set to TRUE.

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StateMachineTransitionLoggingEnabled: This field is reserved.

MaxSimultaneousFileDownloads: This field specifies the maximum number of concurrent update downloads. The update server MUST NOT simultaneously download more files than specified by this field.

BitsDownloadPriorityForeground: This field specifies whether or not updates are downloaded with a higher priority. If this field is set to TRUE, updates are downloaded with a high priority. If set to FALSE, updates are downloaded with a lower priority.

EncryptionKey: It gets or sets the encryption key.

SubscriptionFailureNumberOfRetries: It specifies the number of retries to attempt on a failed server to server synchronization.

StatsDotNetWebServiceUri: This field specifies the URI endpoint of the reporting web service.

StatsDotNetMaximumBatchSize: This field specifies the maximum number of reporting events that are sent to the reporting web service at a single time.

QueueFlushTimeInMS: This field specifies the maximum time period in milliseconds between queue flushes on the reporting server.

QueueFlushCount: It specifies the maximum queue size before a flush is triggered.

QueueRejectCount: This field specifies the maximum queue size which, when reached, triggers the web service to begin rejecting incoming reporting requests.

DispatchMaximumSimultaneousHandlerCalls: It gets or sets the maximum number of allowable simultaneous handler calls.

SleepTimeAfterErrorInMS: It specifies the number of milliseconds that the event queue MUST wait after an error occurs during processing before trying again.

UseCookieValidation: This field is reserved.

DoReportingDataValidation: If set to TRUE, this field defines that the server MUST validate any reporting data that is sent by a client. If set to FALSE, the server SHOULD NOT validate reporting events.

DoReportingSummarization: It gets or sets whether the server MUST perform summarization reporting.

ClientReportingLevel: It gets or sets the events that the client MUST report to the server.

CollectClientInventory: It determines whether clients MUST report inventory data.

DoDetailedRollup: It determines whether DSS MUST rollup detailed computer and update status information.

RollupResetGuid: This field specifies the GUID that is used when the update server performs a server rollup to the reporting service. The GUID is reset each time the rollup is reported.

MURollupOptin: It enables roll up of server summary information and client update activity to MU.

DssRollupChunkSize: It specifies the amount of data that is rolled up in a single web service call. The size of the rollup data is computed by adding 100 for each server, 5 for each client OS configuration, and 1 for each update. The value MUST be between 1 and 10,000.

DisableSyncPrinterCatalog: If this flag is set to TRUE, the update server MUST NOT synchronize updates from the printer catalog.

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DisableSyncDrivers: If this flag is set to TRUE, the update server MUST NOT synchronize updates for drivers as part of the synchronization process.

DisableNonCriticalDrivers: It specifies whether the synchronization of updates for drivers MUST only return critical drivers.

MaxXmlPerRequest: Specifies the maximum value (in bytes) that can be returned for XML data.<4>

MaxXmlPerRequestInServerSync: Specifies the maximum value (in bytes) that can be returned for XML data.<5>

DeploymentChangeDeferral: It specifies the deferral value in seconds when a deployment change event happens.

MaxTargetComputers: It specifies the maximum number of target computers that can be registered.

MaxEventInstances: It specifies the maximum number of event instances to save. If the limit is exceeded, the server deletes events to make room for new events.

MaxConcurrentDatabaseCalls: It specifies the maximum number of database calls allowed at a single time.

CategoryScanRequestTrackingReportingInterval: It specifies the time interval in milliseconds for the client web service to flush accumulated results for category scan requests. When the value is less than one minute, request tracking MUST be disabled. The default value is one hour.

CategoryScanRequestTrackingMaxEntries: It specifies the maximum number of category scan request types to track. The default value is 1,000.

RevisionDeletionSizeThreshold: This field is implementation-specific.<6>

ReplicaMode: It gets or sets whether the server is in replica mode.

UssSupportsAllLanguages: It gets or sets whether USS supports all languages.

GetContentFromMU: It gets or sets whether update binaries are downloaded from MU or from the upstream server.

LocalPublishingMaxCabSize: It specifies the maximum cab size that Local Publishing will create.

HmDetectIntervalInSeconds: It specifies the frequency of the detect cycle in health monitoring.

HmRefreshIntervalInSeconds: It specifies the frequency of the refresh cycle in health monitoring.

HmCoreDiskSpaceGreenMegabytes: It specifies the recommended free disk space for content.

HmCoreDiskSpaceRedMegabytes: It specifies the minimum acceptable free disk space for content.

HmCoreCatalogSyncIntervalInDays: It specifies the recommended catalogue synchronization interval.

HmClientsInstallUpdatesGreenPercent: It specifies the acceptable percentage of clients failing to install updates.

HmClientsInstallUpdatesRedPercent: It specifies the maximum acceptable percentage of clients failing to install updates.

HmClientsInventoryGreenPercent: It specifies the acceptable percentage of clients with inventory problems.

HmClientsInventoryRedPercent: It specifies the maximum acceptable percentage of clients with inventory problems.

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HmClientsInventoryScanDiffInHours: It specifies the usual maximum interval that clients can wait between inventory reporting and synchronization.

HmClientsSilentGreenPercent: It specifies the acceptable percentage of clients that are not communicating with the server.

HmClientsSilentRedPercent: It specifies the maximum acceptable percentage of clients that are not communicating with the server.

HmClientsSilentDays: It specifies the interval in days that a client is allowed to remain silent before the administrator MUST be informed.

HmClientsTooManyGreenPercent: This field specifies the acceptable percentage of the total number of clients connected to the update server.

HmClientsTooManyRedPercent: This field specifies the upper boundary of the acceptable percentage of the total number of clients. If there are more clients connected, the update server MUST issue a warning.

HmCoreFlags: It specifies the health monitoring flags for core tests.

HmClientsFlags: It specifies the health monitoring flags for client tests.

HmDatabaseFlags: It specifies the health monitoring flags for database tests.

HmWebServicesFlags: It specifies the health monitoring flags for web services tests.

MaxUpdatesPerRequestInGetUpdateDecryptionData: This field defines the maximum number of revision IDs that the DSS is allowed to submit in the **GetUpdateDecryptionData** method as specified in [MS-WSUSSS] section 3.1.4.18.

2.2.4.11 EmailNotificationConfigurationRow

This complex type contains information about an email notification that is sent to a specified user using the specified SMTP settings when new updates are available on the update server (**EmailNeedToSendNewSyncNotification** field), new status information is available (**EmailNeedToSendStatusNotification** field), or both.

```
<xsd:complexType name="EmailNotificationConfigurationRow">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="statusNotificationTimeOfDay"
type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="EmailNeedToSendNewSyncNotification"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="EmailNeedToSendStatusNotification"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="StatusNotification" nillable="true"
type="tns:EmailStatusNotificationFrequency"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="SmtpServerRequireAuthentication"
type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="SmtpHostName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="SmtpPort" type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="SmtpUserName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="SmtpUserDisplayName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="SmtpUserMailAddress" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="EmailLanguage" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="xsd:dateTime"/>
```


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```
    <xsd:element minOccurs="0" maxOccurs="1" name="LastModifiedBy" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

statusNotificationTimeOfDay: This field gets or sets the time of the day to send the email notification.

EmailNeedToSendNewSyncNotification: If set to TRUE, the **update server** MUST send an email notification about new updates after each synchronization.

EmailNeedToSendStatusNotification: If this field is set to TRUE, the update server MUST periodically send email notification with a summary status about the synchronization process.

StatusNotification: This field specifies the update server's EmailNotificationType (section 2.2.5.6).

SmtpServerRequireAuthentication: This field gets or sets whether the email server requires authentication. If set to TRUE, the SMTP server requires authentication.

SmtpHostName: This field gets or sets the email SMTP server name.

SmtpPort: This field gets or sets the email SMTP port number.

SmtpUserName: This field gets or sets the account name of the sender of the email.

SmtpUserDisplayName: This field gets or sets the display name.

SmtpUserMailAddress: This field gets or sets the email address of the sender of the email.

EmailLanguage: This field gets or sets the language setting for the email.

LastModifiedTime: This field gets or sets the last time the email configuration settings were updated.

LastModifiedBy: This field gets or sets the name of the user name that last modified the email notification configuration.

2.2.4.12 GenericReadableRow

A complex type that defines an array of arbitrary length, where each item can have a different type.

```
<xsd:complexType name="GenericReadableRow">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="Values" nillable="true"
type="tns:ArrayOfAnyType"/>
  </xsd:sequence>
</xsd:complexType>
```

Values: Contains different values and value types that are used to initialize a new **GenericReadableRow**. Instances of this array are defined in the following sections.

2.2.4.12.1 Instances of GenericReadableRow

2.2.4.12.1.1 UpdateCategoryProperties / UpdateClassificationProperties

UpdateCategoryProperties and UpdateClassificationProperties are instances of GenericReadableRow (section 2.2.4.12) that contain properties of an update category or classification, respectively. The entries in these arrays SHOULD be interpreted as follows:

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Index	Name	Data type	Description
0	LocalUpdateId	Integer	MUST NOT be NULL. This is the revision ID for the matched category or classification.
1	UpdateID	GUID	MUST NOT be NULL. This is the GUID for the category or classification.
2	CategoryType	String	MUST NOT be NULL. For update classifications, the CategoryType MUST be "UpdateClassification".
3	ProhibitsSubcategories	Bool	MUST NOT be NULL. Denotes whether or not this category can have subcategories. For classifications, this value MUST be set to 1.
4	ProhibitsUpdates	Bool	MUST NOT be NULL. Denotes whether or not a category contains updates. A value of 1 means that the category can only have other categories as child elements.
5	CategoryIndex	Integer	MUST NOT be NULL. Contains the local key identifier in the database of the category or classification.
6	DisplayOrder	Integer	Provides a recommended order for displaying multiple categories. This value can be NULL.
7	Title	String	MUST NOT be NULL. Contains the title of the category in the preferred language, if available. Otherwise, it contains the title of the category in the default language, English.
8	Description	String	Can be NULL. Contains a description of the category or classification, if available. If the description is not available in the requested preferred language, the default language is used.
9	ReleaseNotes	String	Can be NULL. Contains release notes for the category or classification. Release notes are returned in the preferred language, if available. Otherwise, the default language is used.
10	ArrivalDate	DateTime	MUST NOT be NULL. Denotes the date and time when the first revision of the category or classification was synchronized to the WSUS server.
11	UpdateSource	Bool	This value MUST be 1 if a category or classification has been created locally. When a category or classification is synchronized from an upstream server (such as Microsoft Update), the value MUST be zero.

2.2.4.12.1.2 ApprovalInformation

The following table specifies the ApprovalInformation instance of a GenericReadableRow (section 2.2.4.12) for cases when information about an approval is returned. In the WSUS context, an approval of an update is a **deployment** of that update for a specified computer **target group**.

Index	Name	Type	Description
0	DeploymentTime	String	Describes the date and time when the approval took effect. The date is specified in UTC and the format of the string is defined in [ISO/IEC-9075-2-2008].
1	DeploymentStatus	Integer	If the approval is active, this value MUST be 1. Otherwise, the value

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Index	Name	Type	Description
			MUST be 0 to indicate that the approval is pending.
2	DeploymentAction	Integer	Describes the type of the approval and MUST be one of the values specified in section 2.2.5.3.
3	GoLiveTime	String	This field MUST NOT be NULL. It describes when the update will be available for client computers to apply. The date is specified in UTC and the format of the string is defined in [ISO/IEC-9075-2-2008].
4	Deadline	String	This field MUST NOT be NULL. Describes the time that the specified approval type MUST be completed by client computers. The format of the string is defined in [ISO/IEC-9075-2-2008].
5	AdminName	String	This field MUST NOT be NULL. It contains the name of the administrator who approved the specified action. The name SHOULD follow the <domain>\<user name> format.
6	ID	String	This field MUST NOT be NULL. It contains the string representation of a GUID that identifies this approval in the database.
7	IsAssigned	Bool	If this field has the value of 1, client computers will automatically perform the action specified by DeploymentAction (at Index 2). Otherwise, the approval action has to be performed manually on the targeted client computer.
8	UpdateId	String	This field contains the GUID of the update that has been approved.
9	UpdateRevisionNumber	Integer	This field contains the revision number of the update that has been approved. This field in combination with UpdateId (at Index 8) comprises the revision of the update.
10	TargetGroupId	String	This field contains the GUID of the target group to which this approval applies.

2.2.4.12.1.3 UpdateInstallationInformation

UpdateInstallationInformation is an instance of **GenericReadableRow** (section 2.2.4.12) that describes the state of an update on a specific client computer.

Index	Name	Type	Description
0	UpdateId	GUID	Identifies the update.
1	ComputerId	String	Identifies the computer as a value of the ComputerId simple type (section 2.2.5.4).
2	SummarizationState	UpdateInstallationState enumeration (section 2.2.5.1)	Describes the UpdateInstallationState of the update.
3	EffectiveDeploymentAction	DeploymentAction enumeration (section 2.2.5.3)	Describes the DeploymentAction that is currently in effect for this update.
4	EffectiveDeploymentTargetGroupId	GUID	Describes the target group to which the specified client computer is currently

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Index	Name	Type	Description
			assigned.

2.2.4.12.1.4 ComputerTarget

ComputerTarget is an instance of GenericReadableRow (section 2.2.4.12) that represents information about a client computer.

Index	Name	Type	Description
0	ID	String	This field MUST NOT be NULL. It contains the unique name of the computer.
1	LastSyncTime	Datetime	This field can be NULL. It contains the time at which the computer was synchronized against the WSUS server, if at all. The time is specified in **UTC**. The format in which date and time are encoded is defined in [ISO/IEC-9075-2-2008].
2	LastReportedStatus	Datetime	This field can be NULL. It represent the time and date when this computer last reported its status back to the WSUS server, if at all. The time is specified in UTC. The format in which date and time are encoded is defined in [ISO/IEC-9075-2-2008].
3	IpAddress	String	This field can be NULL. It contains the IP address the computer used when it contacted the WSUS server. The IP address MUST be either an **IPv4** or an **IPv6** address.
4	DomainName	String	This field can be NULL. It contains the name of the domain to which the computer belongs.
5	OsMajorVersion	Integer	This field can be NULL. It contains the major version number of the operating system installed on the computer.
6	OsMinorVersion	Integer	This field can be NULL. It contains the minor version number of the operating system installed on the computer.
7	OsBuildNumber	Integer	This field can be NULL. It contains the build number of the operating system installed on the computer.
8	ServicePackMajorNumber	Integer	This field can be NULL. It contains the major service pack version number of the Service Pack installed on the computer, if any.
9	ServicePackMinorNumber	Integer	This field can be NULL. It contains the minor service pack version number of the Service Pack installed on the computer, if any.
10	OsLocale	String	This field can be NULL. It contains the language code of the locale that is installed on the computer. The locale format is defined in [RFC1766].
11	Make	String	This field can be NULL. It contains the name of the manufacturer of the computer, if any.
12	Model	String	This field can be NULL. It contains the name of the computer model, if any.
13	BiosVersion	String	This field can be NULL. It contains the BIOS manufacturer specific version number.

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Index	Name	Type	Description
14	BiosName	String	This field can be NULL. It contains the name of the BIOS manufacturer.
15	BiosReleaseDate	Datetime	This field can be NULL. It contains the release date of the computer. The time is specified in UTC. The format in which date and time are encoded is defined in [ISO/IEC-9075-2-2008].
16	ProcessorArchitecture	String	This field can be NULL. It represents the processor architecture on which the computer is running.
17	RequestTargetGroup	String	This field can be NULL. It contains the name of the target group of which the computer claims to be part.
18	LastInventoryTime	Datetime	This field can be NULL. It represents the time and date when the computer last reported its inventory to the WSUS server, if at all. The time is specified in UTC. The format in which date and time are encoded is defined in [ISO/IEC-9075-2-2008].
19	ServerId	GUID	This field can be NULL. It contains the GUID of the WSUS server to which the computer was last synchronized.
20	LastSyncResult	Integer	This field MUST be present. It contains the status of the last synchronization operation of the computer with its WSUS server. The values are defined as follows: Never executed (0) Succeeded (1) Failed (2) Canceled (3) Unknown (4)
21	SuiteMask	Integer	This field MUST be present. It contains a bit mask representing a set of product suites available on the computer. The value range SHOULD follow the one defined in [MS-WUSP] section 2.2.2.2.3.
22	OldProductType	Integer	This field MUST be present. It describes a property of the operating system that helps the server identify the name of the operating system. The value range SHOULD follow the one defined in [MS-WUSP] section 2.2.2.2.3.
23	NewProductType	Integer	This field MUST be present. It describes a property of the operating system that helps the server identify the name of the operating system. The value range SHOULD follow the one defined in [MS-WUSP] section 2.2.2.2.3.
24	SystemMetrics	Integer	This field MUST be present. It describes a property of the operating system that the server can use to identify the name of the operating system. The value range SHOULD follow the one defined in [MS-WUSP] section 2.2.2.2.3.
25	ClientVersion	String	This field SHOULD be present. It represents the version of the **Windows Update Agent (WUA)** installed on that computer.
26	OsFamily	String	This field MUST be present. It contains the name of the family of the operating system on the computer. The default family name is "Windows".
27	OsDescription	String	This field can be NULL. It contains a description about the operating system installed on the computer, if any.

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2.2.4.12.1.5 RequestedTargetGroupEntry

An instance of **GenericReadableRow** (section 2.2.4.12) that represents the target group to which a specific computer requested to be part.

Index	Name	Type	Description
0	ComputerId	String	This field MUST NOT be NULL. The **ComputerId** simple type is defined in section 2.2.5.4.
1	TargetGroupName	String	This field MUST NOT be NULL. It contains the name of the target group to which the computer identified by **ComputerId** claims to be part.

2.2.4.12.1.6 AssignedTargetGroupRelationshipEntry

An instance of **GenericReadableRow** (section 2.2.4.12) that contains information about the specific target group to which a client computer is associated.

Index	Name	Type	Description
0	ComputerId	String	This field MUST NOT be NULL. It contains the unique name of the computer. The **ComputerId** simple type is defined in section 2.2.5.4.
1	TargetGroupId	GUID	This field MUST NOT be NULL. It contains the GUID of the **target group** to which the computer specified at index 0 is associated. Each computer can be a member of multiple target groups.

2.2.4.12.1.7 MinimalUpdateProperties

MinimalUpdateProperties is an instance of a GenericReadableRow Complex Type (section 2.2.4.12) that contains minimal information about an update revision.

Index	Name	Type	Description
0	UpdateId	GUID	This field MUST NOT be NULL. It contains the GUID of the update.
1	RevisionNumber	Integer	This field MUST be present. It contains the revision number of the update.
2	LocalUpdateId	Integer	This field MUST be present. It contains a number that uniquely identifies this update at a particular update server.
3	IsLeaf	Boolean	This field MUST be present. This field is set to TRUE if the update does not reference any child updates; otherwise FALSE.
4	InstallationSupported	Boolean	This field MUST be present. It is set to TRUE, if the update can be installed on a target computer; otherwise FALSE.

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Index	Name	Type	Description
5	InstallationImpact	InstallationImpact	This field MUST be present. It MUST be ignored, if the InstallationSupported field (at index 4) is set to FALSE. See section 2.2.5.8.
6	InstallationRebootBehavior	InstallationRebootBehavior	This field MUST be present. It MUST be ignored, if the InstallationSupported field (at index 4) is set to FALSE. The value is defined in section 2.2.5.9.
7	InstallationRequiresNetworkConnectivity	Boolean	This field MUST be present. It MUST be ignored if the InstallationSupported field (at index 4) is set to FALSE. If set to TRUE, the installation of the update requires network connectivity; otherwise FALSE.
8	InstallationCanRequestUserInput	Boolean	This field MUST be present. It MUST be ignored if the InstallationSupported field (at index 4) is set to FALSE. If set to TRUE, it means that installing the update can require user input.
9	UninstallationSupported	Boolean	This field MUST be present. If set to TRUE, the update support uninstallation; otherwise FALSE.
10	UninstallationImpact	InstallationImpact	This field MUST be present. It MUST be ignored, if the UninstallationSupported field (at index 9) is set to FALSE. It specifies the impact of uninstalling the update from a target computer. The values are defined in section 2.2.5.8.
11	UninstallationRebootBehavior	InstallationRebootBehavior	This field MUST be present. It MUST be ignored, if the UninstallationSupported field (at index 9) is set to FALSE. The values are defined in section 2.2.5.9.
12	UninstallationRequiresNetworkConnectivity	Boolean	This field MUST be present. It MUST be ignored if the UninstallationSupported field (at index 9) is set to FALSE. If set to TRUE, the uninstallation of the update requires network connectivity.

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Index	Name	Type	Description
13	UninstallationCanRequestUserInput	Boolean	This field MUST be present. It MUST be ignored if the UninstallationSupported field (at index 9) is set to FALSE. If set to TRUE, it means that uninstalling the update can require user input.
14	UpdateType	UpdateType	This field MUST be present. It identifies the type of the update, as specified in section 2.2.5.10.
15	PublicationState	PublicationState	This field MUST be present. It specifies the publication status of the update, as specified in section 2.2.5.2.
16	CreationDate	DateTime	This field MUST be present. It specifies when this update was originally created.
17	State	UpdateState	This field MUST be present. It specifies that status of the update, as specified in section 2.2.5.11.
18	EulaId	GUID	This field MUST be present. If the update is associated with a license agreement, this field contains the GUID of that agreement. Otherwise it contains an empty GUID.
19	RequiresEulaAcceptance	Boolean	This field MUST be present. If set to TRUE, the update requires acceptance of the associated license agreement; otherwise FALSE.
20	Declined	Boolean	This field MUST be present. It MUST be set to TRUE if the update has been declined.
21	HasStaleDeployments	Boolean	This field MUST be present. It MUST be set to TRUE, if there are any deployments of older revisions of this update. It MUST be set to FALSE if there are only deployments of the latest revision.
22	IsLatestRevision	Boolean	This field MUST be present. It MUST be set to TRUE, if this revision is the latest revision of the update.
23	ReceivedFromCreatorService	DateTime	This field MUST be present. It specifies the date and time when the update was received at the update server.

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Index	Name	Type	Description
24	HasSupersededUpdates	Boolean	This field MUST be present. It MUST be set to TRUE if this update supersedes other updates.
25	AlternativeName	String	This field MUST be present. It contains an alternative name of the update. This field MUST be set to the empty string (""), if the revision does not have an alternative name.
26	MsrcSeverity	MsrcSeverity	This field MUST be present. It specifies the severity of the update, from a security point of view, as issued by the Microsoft Security Response Center, if applicable. The possible values are defined in section 2.2.5.12.
27	HasEarlierRevisions	Boolean	This field MUST be present. It MUST be set to TRUE if there are older revisions of this update.
28	IsMandatory	Boolean	This field MUST be present. The value is implementation-specific.<7>
29	IsSuperseded	Boolean	This field MUST be present. It MUST be set to TRUE, if the update is superseded by another update.
30	IsEditable	Boolean	This field MUST be present. It is reserved.
31	EffectiveArrivalTime	DateTime	This field MUST be present. It contains either the date and time when the update was added to the update server, or, if this update had been declined, the date and time it was re-enabled, whichever is newer.
32	UpdateSource	Integer	This field MUST be present. It MUST be set to 0, if the update was created by Microsoft; 1 otherwise.

2.2.4.12.1.8 DynamicCategory

DynamicCategory is an instance of a GenericReadableRow Complex Type (section 2.2.4.12) that represents a dynamic category.<8>

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Index	Name	Type	Description
0	Id	GUID	This field MUST be present. It contains the identifier of the dynamic category.
1	Name	String	This field MUST be present. It contains the name of the dynamic category. The length of the string MUST NOT be greater than 200 characters.
2	Type	DynamicCategoryType	This field MUST be present and specifies the type of the dynamic category. The values are defined in section 2.2.5.13.
3	Origin	OriginType	This field MUST be present and specifies the origin of the dynamic category. The values are defined in section 2.2.5.14.
4	Enabled	Boolean	This field MUST be present. If set to TRUE, it indicates that this dynamic category MUST be considered for update synchronization.
5	DiscoveryTime	DateTime	This field MUST be present and specifies the time and data in UTC when the dynamic category was added or modified at the update server.

2.2.4.13 ServerSyncLanguageData

This complex type defines properties that describe a language in which updates are released.

```
<xsd:complexType name="ServerSyncLanguageData">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="LanguageID" type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ShortLanguage" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="LongLanguage" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="Enabled" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

LanguageID: Identifies the language corresponding to this entry. This MUST be set to 0 (which is a special value that refers to all languages) or to a language ID that corresponds to a specific language, as specified in [MS-LCID].

ShortLanguage: This field MUST be present. It provides a short name for the language. The value "all" refers to "All languages". All other language short names are as specified in [MS-LCID].

LongLanguage: This field MUST be present. It provides a long name for the language. The value "all" refers to "All languages". All other language long names are as specified in [MS-LCID].

Enabled: If the USS currently supports updates in the specified language, this field MUST be set to TRUE; otherwise, it MUST be set to FALSE.

2.2.4.14 SubscriptionTableRow

This complex type defines the properties that contain information about the currently configured synchronization (or subscription) between the update server and its upstream server.

```
<xsd:complexType name="SubscriptionTableRow">
```


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```
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="synchronizeAutomaticallyTimeOfDay"
type="xsd:long"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="LastModifiedBy" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="xsd:dateTime"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="LastSynchronizationTime"
type="xsd:dateTime"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="SynchronizeAutomatically"
type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Anchor" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="DeploymentAnchor" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="NumberOfSynchronizationsPerDay"
type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="IsCategoryOnly" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

synchronizeAutomaticallyTimeOfDay: Specifies the time of day (in seconds) when the subscription will automatically synchronize.

LastModifiedBy: Specifies who last modified the update synchronization configuration. The string used to identify the user SHOULD follow the "<domain>\<username>" syntax.

LastModifiedTime: Specifies when the update synchronization configuration was last modified.

LastSynchronizationTime: Gets or sets the LastCompletedSynchronizationTime.

SynchronizeAutomatically: If set to TRUE, the update server MUST perform an update synchronization automatically. If set to FALSE, an administrator MUST manually trigger update synchronization.

Anchor: Specifies an anchor that persists the updates that were synchronized during a previous server-to-server synchronization. The synchronization anchor is defined in [MS-WSUSSS] section 3.1.4.5.

DeploymentAnchor: Identifies when the last GetDeployments operation completed successfully. This operation is specified in [MS-WSUSSS] section 3.1.4.10.

NumberOfSynchronizationsPerDay: Specifies how many automatic synchronizations are to be performed per day, starting at the time of day specified by the **synchronizeAutomaticallyTimeOfDay** field. The minimum interval between two automatic synchronizations MUST be one hour. This value MUST NOT be greater than 24.

IsCategoryOnly: Gets or sets the IsCategoryOnly flag for server-to-server synchronization.

2.2.4.15 UpdateRevisionId

This complex type identifies a particular revision of an update.

```
<xsd:complexType name="UpdateRevisionId">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="UpdateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="RevisionNumber" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```


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UpdateId: This field specifies the revision ID GUID of the update.

RevisionNumber: This field describes the revision number of the update. The revision number monotonically increases, but can be sparse.

2.2.5 Simple Types

The following table summarizes the set of common XML schema simple type definitions that are defined by this specification.

Simple Type	Description
UpdateInstallationState	An enumeration defined in section 2.2.5.1 that denotes the installation status of an update on a particular client computer.
PublicationState	An enumeration defined in section 2.2.5.2 that denotes the publication state of an update at the update server.
DeploymentAction	An enumeration defined in section 2.2.5.3 that represents the action of a **deployment** for a particular update.
ComputerId	A simple type defined in section 2.2.5.4 that denotes the ID of a client computer.
PreferredCulture	A simple type defined in section 2.2.5.5 that denotes a string format to express languages.
EmailNotificationType	An enumeration defined in section 2.2.5.6 that denotes the type of the email notification.
EmailStatusNotificationFrequency	An enumeration defined in section 2.2.5.7 that denotes the frequency of the email status notification.
InstallationImpact	An enumeration defined in section 2.2.5.8 that denotes the impact of the installation of an update.
InstallationRebootBehavior	An enumeration defined in section 2.2.5.9 that denotes the reboot behavior of the installation of an update.
UpdateType	A simple type defined in section 2.2.5.10 that denotes the type of an update.
UpdateState	A simple type defined in section 2.2.5.11 that denotes the state of an update.
MsrcSeverity	A simple type defined in section 2.2.5.12 that denotes the severity of a security related update.
DynamicCategoryType	A simple type defined in section 2.2.5.13 that denotes the type of a dynamic category.
OriginType	A simple type defined in section 2.2.5.14 that denotes the origin of a dynamic category.

2.2.5.1 UpdateInstallationState

The UpdateInstallationState enumeration defines the state of an update. It is used implicitly throughout the protocol and is called out as such where applicable.

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Status/Value	Description
Unknown 0	The update is in an unknown state on the client computer.
NotApplicable 1	The update is not applicable for the client computer.
NotInstalled 2	The update is applicable but not yet installed on or downloaded to the client computer.
Downloaded 3	The update is applicable and downloaded on the client computer but not yet installed.
Installed 4	The update is installed on the client computer.
Failed 5	The client computer reported a failure for this update.
InstalledPendingReboot 6	The updated is installed on the client computer, but a reboot is required before the update takes effect.

2.2.5.2 PublicationState

The **PublicationState** enumeration represents the publication state of an update. It contains the following values:

Status/Value	Description
Published 0	The update is published.
Expired 1	The update is expired.
InTesting 2	This option is available only for local publishing. It describes the state of a locally published update that is undergoing testing.
Any 2147483647	The update is in any of the other three states (0, 1, 2).

2.2.5.3 DeploymentAction

The **DeploymentAction** enumeration specifies the action of a **deployment** for a particular update.

Status/Value	Description
Install 0	The update can be installed on a client computer. If a deadline is specified for an update with this state, and the deadline is reached, the client computer MUST install the update, if applicable.
Uninstall	The update can be uninstalled, if possible.

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Status/Value	Description
1	
PreDeploymentCheck 2	The client computer MUST report if the update is applicable, but the update MUST NOT be installed.
NotApproved 3	The client computer MUST NOT install the update or make it available.
Evaluate 4	The update is made available to client computers to evaluate applicability. The result is used as a prerequisite by the client computer and/or the update server to find other updates that are applicable to the client computer.
Bundle 5	The update is bundled to another update which has been approved. The client MUST act on this update based on the action for which the parent bundle is approved.

2.2.5.4 ComputerId

The **ComputerId** simple type is based on type string and contains a name that uniquely identifies a client computer. The name of the computer MUST NOT be longer than 256 characters.

2.2.5.5 PreferredCulture

The **PreferredCulture** simple type is based on type string. It denotes a language identifier as defined in [RFC1766].

2.2.5.6 EmailNotificationType

The **EmailNotificationType** enumeration identifies the type of an email notification.

syncType	Value	Description
1	Test	A test email message.
2	NewSync	An email alert when new updates are synchronized.
3	Summary	Periodic summary emails.

2.2.5.7 EmailStatusNotificationFrequency

The **EmailStatusNotificationFrequency** enumeration identifies the frequency of when email notifications are sent.

Index	Value	Description
0	Daily	Send the email notification on a daily basis.
1	Weekly	Send the email notification on a weekly basis.

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2.2.5.8 InstallationImpact

The InstallationImpact enumeration identifies the impact that installing an update has on a target computer.

Value	Name	Description
0	Normal	Specifies that installing or uninstalling the update will result in an impact to the target computer that is typical for most updates. The update does not qualify for the special impact ratings defined below.
1	Minor	Specifies that the update qualifies as a "zero service interruption" (ZSI) update. Installing or uninstalling a ZSI update results in a negligible impact on the system. This is the desired behavior for all updates. The update MUST meet stringent requirements to qualify for this rating, including but not limited to the following: ▪ The update does not perform or require a reboot. ▪ The update does not display a user interface. ▪ The update installs/uninstalls successfully even if it affects an application or service that is currently in use.
2	RequiresExclusiveHandling	Specifies that installing or uninstalling the update has such a high impact to the system that it is required to be installed "exclusively". This means the update MUST be installed/uninstalled without combining it with other updates.

2.2.5.9 InstallationRebootBehavior

The InstallationRebootBehavior enumeration specifies the boot behavior of a target computer after installing an update.

Value	Name	Description
0	NeverReboots	Specifies that the update never needs a reboot during or after installation/uninstallation. This is the desired behavior for all updates.
1	AlwaysRequiresReboot	Specifies that the target computer will reboot after successfully completing installation/uninstallation of the update.
2	CanRequestReboot	Specifies that the target computer can reboot after successfully completing installation/uninstallation of the update.

2.2.5.10 UpdateType

The UpdateType enumeration specifies the type of an update.

Value	Name	Description
0	Any	Any update, regardless of type.
1	Software	Software update.

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Value	Name	Description
2	Driver	Driver update.
3	Detectoid	This type of update is reserved.
4	Category	The update is either an update category or classification.
5	Application	This type of update is reserved.

2.2.5.11 UpdateState

The UpdateState enumeration specifies the status of an update revision.

Value	Name	Description
1	LicenseAgreementNotReady	The license agreement for this update has not been obtained and installed on the update server.
2	InstallationImpossible	The update cannot be installed.
3	NotNeeded	The update is available to be approved for installation, but it is not yet needed.
4	NotReady	The update is approved for installation but one or more required update files are not yet downloaded or child updates are not yet ready.
5	Ready	The update is approved for installation and all files and child updates are ready.
6	Cancelled	The update is approved for installation, but either this update, one of its child updates, or its parent update was cancelled by the administrator.
7	Failed	The update is approved for installation, except for one of the following: ▪ The download of at least one required file failed. ▪ One of the child updates failed.
8	LicenseAgreementFailed	The update has a license agreement file associated with it, but the license agreement failed to download.

2.2.5.12 MsrcSeverity

The MsrcSeverity enumeration specifies the severity of an update as defined by the Microsoft Security Response Center, if applicable.

Value	Name	Description
0	Unspecified	No severity specified.
1	Low	Low severity
2	Moderate	Moderate severity
3	Important	Important severity
4	Critical	Critical severity

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2.2.5.13 DynamicCategoryType

The DynamicCategoryType enumeration SHOULD<9> specify the type of a dynamic category.

Value	Name	Description
1	ComputerModel	A dynamic category of this type denotes a class of computing devices.
2	Device	A dynamic category of this type denotes a specific device of a computer system.
4	Reserved	This dynamic category type is reserved for future use.
0xff	Any	The type of the dynamic category is any of the above types (1, 2, 4).

2.2.5.14 OriginType

The OriginType enumeration SHOULD<10> specify the origin of a dynamic category.

Value	Name	Description
1	Automatic	Indicates that the dynamic category was discovered automatically.
2	Manual	Indicates that the dynamic category was added manually.
0xff	Any	Indicates that the origin of the dynamic category is any of the above (1, 2).

2.2.6 Attributes

This specification does not define any common XML schema attribute definitions.

2.2.7 Groups

This specification does not define any common XML schema group definitions.

2.2.8 Attribute Groups

This specification does not define any common XML schema attribute group definitions.

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3 Protocol Details

3.1 ApiRemotingSoap Server Details

3.1.1 Abstract Data Model

This section describes a conceptual model of possible data organization that an implementation maintains to participate in this Windows Server Update Services (WSUS): Administrative API Remoting Protocol. The described organization is provided to facilitate the explanation of how the Windows Server Update Services (WSUS): Administrative API Remoting Protocol behaves. This specification does not mandate that implementations adhere to this model as long as their external behavior is consistent with that described in this specification.

This protocol includes the following abstract data model (ADM) elements, which are directly accessed from the Windows Update Services: Server-Server Protocol as specified in [MS-WSUSSS] section 3.1.1:

- **TargetGroup Table**
- **DSS Table**
- **Client computers table**
- **Update Status Table**
- **Client computer activity summary table**
- **Categories Table**
- **Update Classifications Table**
- **Revision Table**
- **EULAs Table**
- **Deployment Table**

3.1.2 Timers

None.

3.1.3 Initialization

This specification defines no additional initialization instructions other than those specified in [MS-WSUSSS].

3.1.4 Message Processing Events and Sequencing Rules

This specification defines 14 functional categories of WSDL operations for WSUS:

Client computer: This category provides support for managing **client computers** that are connected to the protocol server implementation. Operations include retrieving computers based on specified parameters, gathering data and summary statistics about specified computers, deleting computers, and cleaning up computer data.

Update: This category enables managing updates that are on the protocol server implementation. Operations include retrieving updates based on specified parameters such as Id or **revision**

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number, gathering data and summary statistics about specified updates, declining and deleting updates, and cleaning up **update** data.

Target Group: A **target group** is a named collection of client computers to which updates are assigned. Each client computer is part of at least one target group. This category provides support for creating and managing target groups, adding and removing client computers to and from target groups, and querying update-related statistics about target groups.

Deployment: A **deployment** represents the assignment of an update to a target group. An assignment is associated with an action to be performed when a client computer receives the update by means of the Windows Update Services: Client-Server Protocol [MS-WUSP]. This category enables creating, deleting, modifying, and retrieving deployments.

End User License Agreement (EULA): An update can be subject to the acceptance of a specific **EULA**, where those updates cannot be installed on a Windows computer unless the EULA has first been acknowledged and accepted. This category provides support for retrieving, approving, and accepting EULAs.

Update Category and Classification: Updates are grouped into categories, usually representing the product names to which the updates apply. In addition, all updates are classified into update types; for example, critical updates, security updates, and so on. Categories and classifications are mandated by the infrastructure and are populated by means of Windows Update Services: Server-Server Protocol [MS-WSUSSS]. This category enables retrieving categories and classifications from a WSUS server.

Subscription: A subscription is a process performed by the protocol server implementation where updates that belong to specified categories and classifications from the **upstream server** are synchronized. This category enables management of the synchronization process.

Content: This category provides support for managing content files that are associated with updates. Operations include retrieving information about downloads and cleaning up files no longer needed after a download completes.

Downstream Server: The Windows Update Services: Server-Server Protocol [MS-WSUSSS] defines a hierarchy of downstream and upstream servers. This category enables managing downstream servers that synchronize updates from the upstream server. Operations include querying for downstream servers, removing downstream servers from target groups, and gathering summary data.

Local Publishing: Local publishing is the process of adding third-party updates to a WSUS server for distribution among client computers in the managed network. This category supports the local publishing process and provides operations related to **signing certificates**, importing updates, and invoking the signing service on the WSUS server.

Configuration: This category enables inspecting and modifying the configuration of the protocol server implementation. Operations include retrieving configuration data, specifying configuration settings, such as for email notification, and working with the proxy and SMTP passwords.

Reporting: Reporting events are sent by client computers as part of the Windows Update Services: Client-Server Protocol [MS-WUSP]. This category provides support for managing the reporting events. Operations include setting event attributes, querying event history, and purging event instances.

Dynamic Category: A dynamic category represents a property that is shared by a number of connected client computers. For example, a property could be a device or a computing device model that is present among client computers. A protocol server implementation can track these to more effectively filter the number of updates that need to be synchronized by using the Windows Update Services: Server-Server Protocol [MS-WSUSSS]. This category provides support for managing dynamic categories.

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Miscellaneous: All remaining operations are grouped into the Miscellaneous category which supports various management tasks for the WSUS server. Operations include starting/stopping the WSUS service, retrieving protocol and server versions, working with frontend servers, program keys, export data, and various agents, and setting the preferred language for returning results.

This protocol is stateless, which means that unless noted otherwise, WSDL operations can be called at any time, without adhering to a specific sequence of preceding operations.

Client computer

All operations in the client computer category are called as required by the implementation. No particular call sequence order is specified for the implementation.

WSDL operation	Description
ExecuteSPCleanupObsoleteComputers	Removes client computers from the database that have not reported to the **Downstream server** for a certain amount of time.
ExecuteSPDeleteComputer	Deletes a registered computer.
ExecuteSPGetAllComputers	Retrieves information about all computers stored in the database.
ExecuteSPGetClientsWithRecentNameChange	Retrieves the last known, **FQDN** for each client computer that appears to change their domain name frequently.
ExecuteSPGetComputerById	Retrieves information about the specified computer.
ExecuteSPGetComputerCount	Returns the number of computers registered to the server that match the specified search criteria.
ExecuteSPGetComputersHavingInventoryItem	Returns information about computers that reported the specified inventory item.
ExecuteSPGetComputersInTargetGroup	Retrieves information about all computers associated with the specified target group.
ExecuteSPGetComputersNotContactedSinceCount	Returns the number of client computers that have not reported back to the WSUS server since a specified date.
ExecuteSPGetComputerSummariesForCategory	Returns summary information about the installation status of updates associated with the specified category. The result is grouped by client computers.
ExecuteSPGetComputerSummariesForTargetGroup	Retrieves the installation status per client computer for a specified target group.
ExecuteSPGetComputerTargetByName	Retrieves information about a client computer that matches the specified FQDN.
ExecuteSPGetSummariesPerComputer	Retrieves per-computer summary information for each of the specified computers, summed across all of the specified updates.
ExecuteSPGetTargetGroupsForComputer	Returns information about all computer target groups that are associated with a specified computer.
ExecuteSPGetTotalSummaryForComputer	Retrieves summary information about the installation state for the specified updates on the specified computer.

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WSDL operation	Description
ExecuteSPGetUpdateInstallationInfoForComputer	Retrieves UpdateInstallationInformation (section 2.2.4.12.1.3) for the specified computer for each of the updates that match the specified criteria.
ExecuteSPPreregisterComputer	Registers a computer proactively before that computer contacts the WSUS server.
ExecuteSPRemoveComputerFromTargetGroup	Removes the specified computer from the specified target group.
ExecuteSPSearchComputers	Retrieves information about all registered computers that match the specified search criteria.
ExecuteSPSimpleSearchComputers	Returns information about any computer, for which the FQDN contains the specified search pattern.
ExecuteSPAddComputerToTargetGroupAllowMultipleGroups	Adds the specified computer to the specified target group.
ExecuteSPGetInventoryItemsForComputer	Gets the inventory items for a specified computer.
ExecuteSPGetInventorySummary	Retrieves a list of inventory items summarized across a target group.

Update

All operations in the Update category are called as required by the implementation. No particular call sequence order is specified for the implementation.

WSDL operation	Description
ExecuteSPCompressUpdate	Compresses the update.
ExecuteSPCountObsoleteUpdatesToCleanup	Gets the count of the outdated updates to stop.
ExecuteSPCountUpdatesToCompress	Gets the count of updates to compress.
ExecuteSPDeclineExpiredUpdates	Declines the expired updates of the server.
ExecuteSPDeclineSupersededUpdates	Refuses the substitutable updates.
ExecuteSPDeclineUpdate	Declines an update of the server identified by the specified **GUID**.
ExecuteSPDeleteUpdate	Deletes an update that is identified by it **revision ID**.
ExecuteSPDeleteUpdateByUpdateID	Deletes an update of the server by its update ID.
ExecuteSPGetApprovedUpdateMetadata	Returns the list of update metadata items approved by an administrator.
ExecuteSPGetLanguagesForUpdate	Returns all of the languages supported by this update.
ExecuteSPGetLatestRevisionNumberForUpdate	Gets the highest revision number for the specified update in the database.
ExecuteSPGetObsoleteUpdatesToCleanup	Returns the details of obsoleted updates to remove.
ExecuteSPGetPreviousRevision	Returns the previous revision number of the specified update.

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WSDL operation	Description
ExecuteSPGetRevisions	Retrieves all of the revisions for the specified update ID.
ExecuteSPGetSummariesPerUpdate	Gets the per-update summary for each specified update.
ExecuteSPGetSummariesPerUpdate_SingleUpdate	Returns update summary for specified update.
ExecuteSPGetTargetGroupSummariesForUpdate	Gets the installation status of the target group for all revisions of the specified update.
ExecuteSPGetUpdateById	Gets the update by its ID.
ExecuteSPGetUpdateCount	Gets the count of updates.
ExecuteSPGetUpdateInstallationInfoForUpdate	Gets the installation information for the specified update.
ExecuteSPGetUpdatesBundledByUpdate	Retrieves the list of updates bundled for a specified update.
ExecuteSPGetUpdatesByCategory	Retrieves the updates that belong to the specified category.
ExecuteSPGetUpdatesRequiredByUpdate	Gets the list of updates mentioned in the request.
ExecuteSPGetUpdatesSupersededByUpdate	Gets the list of updates that are superseded by the specified update.
ExecuteSPGetUpdatesThatBundleUpdate	Gets the list of parent updates that bundle the specified update.
ExecuteSPGetUpdatesThatRequireUpdate	Retrieves the list of updates that require the specified update.
ExecuteSPGetUpdatesThatSupersedeUpdate	Gets the list of updates that supersede the specified update.
ExecuteSPGetUpdatesToCompress	Gets the list of updates to compress.
ExecuteSPGetXmlForUpdate	Gets the XML for an update.
ExecuteSPSearchUpdates	Search and retrieves all of the updates that exist in the database.
ExecuteSPSimpleSearchUpdates	Searches for updates that match the specified parameter.
ImportUpdate	Imports the metadata of an update into the database.
ExecuteSPGetInstallableItems	Retrieves the list of installable items that belong to an update.

Target Group

All operations in the Target Group category are called as required by the implementation. No particular call sequence order is specified for the implementation.

WSDL operation	Description
ExecuteSPCreateTargetGroup1	Creates a new target group with the specified name and specified parent target group.
ExecuteSPCreateTargetGroup2	Creates a target group with the specified properties.
ExecuteSPDeleteTargetGroup	Deletes the specified target group from the database.
ExecuteSPGetAllTargetGroups	Returns information about all target groups that are stored in the database.

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WSDL operation	Description
ExecuteSPGetChildTargetGroups	Retrieves information about all target groups that are subordinate to the specified target group.
ExecuteSPGetParentTargetGroup	Retrieves information about the parent target group in the hierarchy of target groups for a specified target group.
ExecuteSPGetTargetGroupById	Retrieves information about the specified computer target group.
ExecuteSPGetTotalUpdateSummaryForTargetGroup	Retrieves a summary for all of the updates deployed for a specified target group and descendant target groups, if specified.
ExecuteSPGetUpdateSummariesForTargetGroup	Returns the installation status per update for a specified target group and descendent target groups, if specified.
ExecuteSPGetUpdateSummaryForSingleTargetGroup	Returns the summary counts for a specified update for a single target group.
ExecuteSPGetUpdateInstallationInfoForTargetGroup	Retrieves installation status per computer for a specified update and target group.

Deployment

All operations in the Deployment category are called as required by the implementation. No particular call sequence order is specified for the implementation.

WSDL operation	Description
ExecuteReplicaSPDeleteDeployment	Deletes a deployment as part of a replica server synchronization.
ExecuteSPDeleteDeployment	Deletes the specified deployment.
ExecuteSPGetDeploymentById	Retrieves information about a specified deployment.
ExecuteSPGetDeployments	Retrieves information about all deployments for updates that match the specified search criteria.
ExecuteSPGetDeploymentsByUpdate1	Returns information about all deployments associated with a specified update.
ExecuteSPGetDeploymentsByUpdate2	Retrieves information about all deployments that are associated with a specified update and that are targeted at a specified computer group.
ExecuteSPGetDeploymentsByUpdate3	Retrieves information about all deployments that meet the specified criteria.
ExecuteSPRefreshDeployments	Moves the specified deployment to the latest revision of each associated update.
ExecuteSPHasApprovalsChanged	Returns TRUE or FALSE based on the changes made to the update approvals.
GetAutomaticUpdateApprovalRules	Returns the completed automatic update approval rules.
SetAutomaticUpdateApprovalRule	Sets an automatic deployment rule.
ExecuteSPDeployUpdate1	Enables a specified update for deployment on a specified target group.
ExecuteSPDeployUpdate2	Enables a specified update for deployment on a specified target group.
ApplyAutomaticUpdateApprovalRule	Gets the list of existing updates requiring approval by an automatic

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WSDL operation	Description
	approval rule.
CreateInstallApprovalRule	Creates a new empty automatic approval rule.
DeleteInstallApprovalRule	Deletes an installed automatic approval rule from the database.

End User License Agreement (EULA)

All operations in the EULA category are called as required by the implementation. No particular call sequence order is specified for the implementation.

WSDL operation	Description
ExecuteSPAcceptEula	Accepts the EULA for a specified update.
ExecuteSPAcceptEulaForReplicaDSS	Accepts the EULA for a specified update on a replicated DSS.
ExecuteSPGetEulaAcceptances	This operation retrieves acceptance information for one or more EULAs.
ExecuteSPGetEulaFile	Retrieves the EULA in a specific language for an update.

Update Category and Classification

All operations in the Update Category and Classification category are called as required by the implementation. No particular call sequence order is specified for the implementation.

WSDL operation	Description
ExecuteSPGetCategories	Returns a set of categories or classifications.
ExecuteSPGetCategoryById	Retrieves the specified update category or update classification.
ExecuteSPGetParentCategories	Retrieves immediate parent categories of a specified category.
ExecuteSPGetParentUpdateClassification	Returns information about the update classification of a specified update.
ExecuteSPGetSubcategories	Retrieves categories of a certain parent category.
ExecuteSPGetTopLevelCategories	Retrieves all update categories that have no parent category.
ExecuteSPGetTotalSummaryForCategory	Returns summary information about the installation status of updates associated with the specified category.
ExecuteSPGetUpdateSummariesForCategory	Returns the installation summary information for each update associated with the specified category.

Subscription

The following diagram depicts operations in the Subscription category. No particular call sequence order is specified for implementation. All other operations that are not specified by name in the following diagram are called as required by the implementation.

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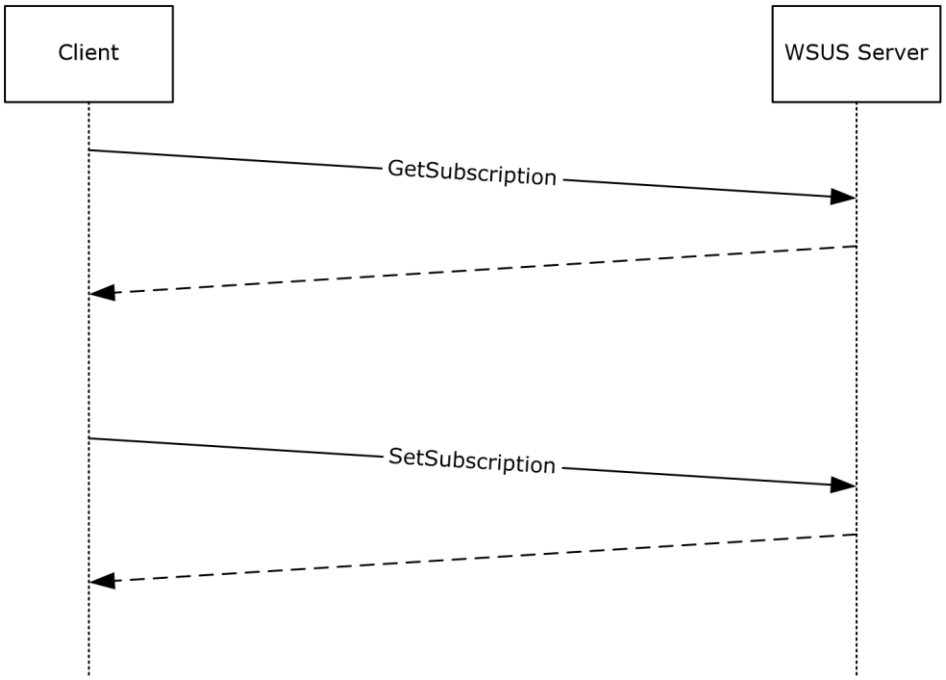

Figure 2: Sequence for get/set subscription operations in the Subscription category

WSDL operation	Description
ExecuteSPCancelAllDownloads	Cancels all currently running update content downloads.
ExecuteSPCancelDownload	Cancels the content download for an update and all of its dependencies.
ExecuteSPResumeAllDownloads	Resumes the content download of all failed or cancelled updates.
ExecuteSPResumeDownload	Resumes a failed or cancelled content download for a software update.
GetServerSyncProgress	Gets the subscription update and deployment insertion progress data.
GetSubscription	Gets the server subscription details.
GetSubscriptionCategories	Gets the categories for a subscription which contains an array of Category Table Rows.
GetSubscriptionNextSynchronizationTime	Gets the next synchronization time for the server subscription.
GetSubscriptionState	Gets the current state of the server subscription for a machine.
SetSubscription	Sets the information for the server subscription.
SetSubscriptionFrequency	Sets the number of synchronizations per-day for the subscription.
SetSubscriptionLastSynchronizationTime	Saves the last run time of the server subscription.
StartSubscriptionManually	Manually starts a subscription.

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WSDL operation	Description
StartSubscriptionManuallyForCategoryOnly	Manually starts a subscription for category-only synchronization.
StopSubscription	Stops a running subscription using a signal to the database that indicates the intention to cancel.

Content

All operations in the Content category are called as required by the implementation. No particular call sequence order is specified for the implementation.

WSDL operation	Description
ExecuteSPCleanupUnneededContentFiles2	This operation is deprecated and MUST NOT be implemented by the server.
ExecuteSPCleanupUnneededContentFiles2	Manages the disk space by deleting update files that are no longer needed.
ExecuteSPGetContentDownloadProgress	Gets the progress of currently downloading content.
ExecuteSPGetFailedToDownloadUpdatesCount	Gets the count of updates that are not declined and which failed to download.

Downstream Server

All operations in the Downstream Server category are called as required by the implementation. No particular call sequence order is specified for the implementation.

WSDL operation	Description
ExecuteSPDeleteDownstreamServer	Deletes a specified downstream server.
ExecuteSPGetAllDownstreamServers	Returns information about downstream servers that are subordinate to a specified server in the downstream server hierarchy.
ExecuteSPGetDownstreamServer	This operation is deprecated and it MUST NOT be implemented by the server.
ExecuteSPGetDownstreamServerRollupSummary	Retrieves a set of status information summarizing the current state of the specified update server and its client computers.
ExecuteSPGetDownstreamServersInTargetGroup	Returns all WSUS servers that are associated with the specified target group.

Local Publishing

The following diagram depicts the sequence of the specified operations in the Local Publishing category. All other operations that are not specified in the following diagram are called as required by the implementation. No particular call sequence order is specified for the implementation of those operations.

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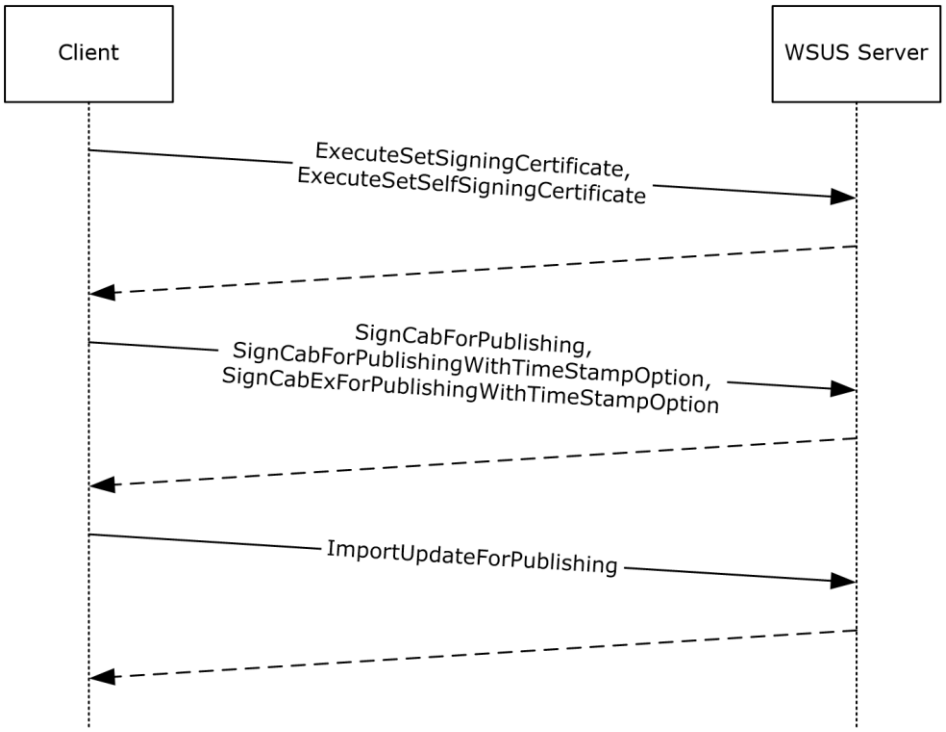

Figure 3: Sequence for specified operations in the Local Publishing category

WSDL operation	Description
ExecuteGetSigningCertificate	Retrieves a signing certificate, if any, which is registered with the WSUS server for signing locally published updates.
ExecuteSetSelfSigningCertificate	Creates and registers a self-signing **certificate** and removes any existing self-signed certificates.
ExecuteSetSigningCertificate	Registers or removes a signing certificate for local update publishing.
ExecuteSPGetSdpXmlForUpdate	Returns the software distribution package XML for the specified updateId or revisionNumber.
ImportUpdateForPublishing	Imports the package for publishing.
SignCabExForPublishingWithTimeStampOption	Invokes a signing service for dual SHA1 and SHA2 (SHA256) signing.
SignCabForPublishing	Invokes the signing service to sign the specified file for publishing using the registered WSUS server signing certificate.
SignCabForPublishingWithTimeStampOption	Invokes the signing service on the WSUS server to sign the specified file.

Configuration

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The following diagram depicts the sequence that MUST be implemented for the specified operations in the Configuration category. All other operations that are not specified by name in the following diagram are called as required by the implementation.

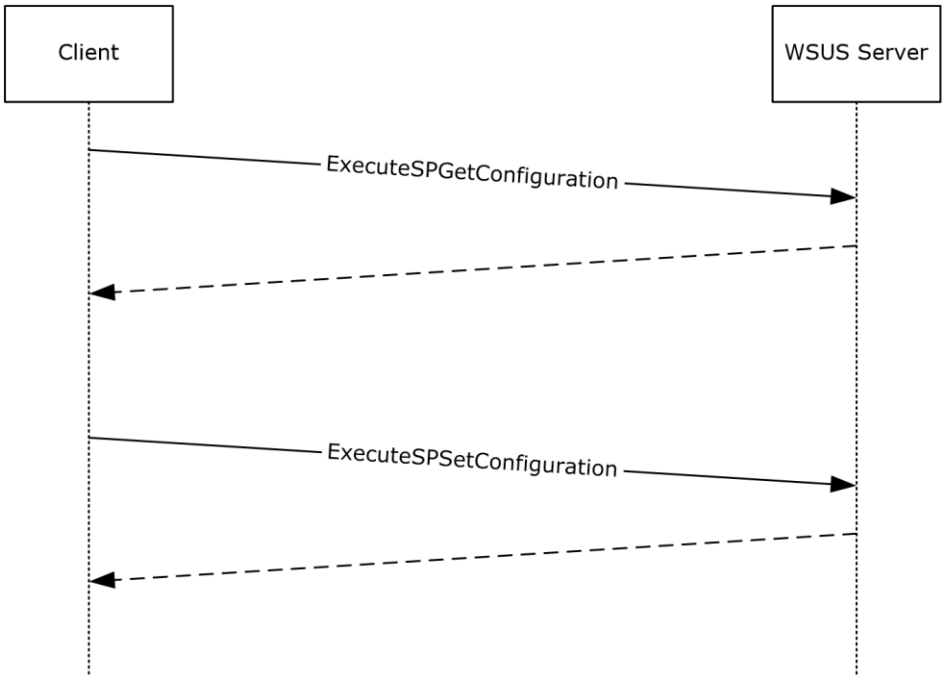

Figure 4: Sequence for specified operations in the Configuration category

WSDL operation	Description
ExecuteSPGetConfiguration	Returns the configuration-related data for their suitable target groups, including per-server configuration data and information about plugins.
ExecuteSPGetEmailNotificationConfiguration	Retrieves the email notification configuration.
ExecuteSPGetEmailNotificationRecipients	Gets the email notification recipients.
ExecuteSPSetConfiguration	Sets the configuration information in the configuration table.
ExecuteSPSetEmailNotificationConfiguration	Sets the configuration information for email notification.
ExecuteSPSetEmailNotificationRecipients	Sets the recipients for which to email the notification.
ExecuteSPSetRollupConfiguration	Sets the rollup configuration in the configuration table.
GetDatabaseConfiguration	Gets the database configuration of the WSUS server.
HasProxyPassword	Gets the information about the proxy which indicates whether or not the password is set.
HasSmtpUserPassword	Checks whether the SMTP user password is set.
SendTestEmail	Sends a test email to manually check the status of the SMTP email server and email accounts.

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WSDL operation	Description
SetProxyPassword	Sets the proxy password in the registry using the DPAPI.
SetSmtpUserPassword	Sets the email notification SMTP user password in the registry.

Reporting

All operations in the Reporting category are called as required by the implementation. No particular call sequence order is specified for the implementation.

WSDL operation	Description
ExecuteSPPurgeReportingEventInstances	Deletes one or more **ReportingEvent** instances.
ExecuteSPSearchEventHistory	Returns the **EventHistory** based on **EventHistoryFilter**.
ExecuteSPLoadReportingEventAttributes	Retrieves the list of reporting event attributes using the event ID.

DynamicCategory

All DynamicCategory operations SHOULD<11> be called as required by the implementation. No specific call sequence order is specified for the implementation.

WSDL operation	Description
AddDynamicCategory	Adds a single dynamic category to the update server.
AddDynamicCategories	Adds a collection of dynamic categories to the update server.
GetDynamicCategory	Returns a single dynamic category.
GetDynamicCategories	Returns a collection of dynamic categories that satisfy the specified criteria.
SetDynamicCategorySyncStatus	Updates the synchronization status for the specified dynamic category.
DeleteDynamicCategory	Removes the specified dynamic category from the update server.

Miscellaneous

All operations in the Miscellaneous category are called as required by the implementation. No particular call sequence order is specified for the implementation.

WSDL operation	Description
AddNewLanguage	Adds a list of new languages in XML and saves them into the database.
CatalogSiteGetMetadataAndImport	Gets metadata from the server synchronization **web service** and imports the updated metadata.
ExecuteSPGetAllLanguagesWithEnabledState	Gets the language Ids and their associated state from the database.
ExecuteSPGetComponentsWithErrors	Gets the list of server components that are currently in an error state.
ExecuteSPGetExportData	Retrieves the list of updates for an export package.
ExecuteSPGetExportUpdateData	Retrieves the data for a single update for an export package.

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WSDL operation	Description
ExecuteSPGetFrontEndServers	Retrieves all front-end server information from the database.
ExecuteSPGetProgramKeys	Gets all of the program keys in the database.
ExecuteSPGetUpdateServerStatus	Gets the set of status information summarizing the current state of the update server and its client.
ExecuteSPRemoveFrontEndServer	Removes the front end server from the database.
ExecuteSPWakeUpResetAgent	Wakes up the state machine reset agent to set all contents back to the original values and then reevaluate.
ExecuteSPWakeUpRollupAgent	Wakes up the rollup agent.
GetCurrentUserRole	Gets the current user's role on the WSUS server.
GetResetStateMachineNeededFlag	Retrieves the ResetStateMachineNeeded flag from the database.
GetServerProtocolVersion	Gets the version of the server protocol.
GetServerVersion	Gets the version of the server.
Ping	Returns active or inactive state.
StartWSUSService	Starts/restarts the WSUS service.
StopWSUSService	Stops the WSUS service.

3.1.4.1 Error Handling

The WSUSAR protocol allows a server to notify a client of an application-level fault by generating a **SOAP** fault as specified in [SOAP1.1] section 4.4. The format for the fault is as shown below, where the XML MUST implement the specified format in the fault's <detail> element.

```
<Exception
  Assembly="[string]"
  Type="[exception type]"
  Message="[string]" />
```

Assembly: Represents the fully qualified name of the binary file in which the type of the exception is implemented.

Message: Contains an informational message that explains the error that occurred.

Type: Identifies the exact type of the exception that occurred. This specification defines the following exception types.

Type	Description
Microsoft.UpdateServices.Administration.WsusObjectNotFoundException	This exception message MUST be sent by the server implementation if a **WSDL operation** performs a query for a certain object, but that object cannot be found in the

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Type	Description
	update server.
Microsoft.UpdateServices.Administration.WsusObjectAlreadyExistsException	This exception message MUST be sent by the server implementation if a WSDL operation performs a query for a certain object, but that object already exists in the update server.
System.ArgumentNullException	This exception message MUST be sent by the server implementation if a required parameter in a request message of a WSDL operation is missing.
Microsoft.UpdateServices.Internal.WsusServiceException	This exception message MUST be sent by the server implementation if a WSDL operation attempts to start or stop the WSUS service, but the attempt fails.
System.ArgumentOutOfRangeException	This exception message MUST be sent by the server implementation when a parameter in a message of a WSDL operation does not fit within the specified range.

Note Unless otherwise noted, the protocol server implementation MUST send a System.ArgumentNullException **SOAP fault** whenever a parameter is missing that MUST be present.

3.1.4.2 ExecuteSPGetEulaFile

The **ExecuteSPGetEulaFile** **WSDL operation** retrieves the contents of a language-specific **End User License Agreement (EULA)** file associated with a software update. WSUSAR does not specify a file format for the EULA.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetEulaFile">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetEulaFileRequest"
name="ApiRemotingSoap_ExecuteSPGetEulaFile_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetEulaFile InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetEulaFileResponse"
name="ApiRemotingSoap ExecuteSPGetEulaFile OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetEulaFile_OutputMessage"/>
</wsdl:operation>
```

3.1.4.2.1 Messages

This operation includes the following **WSDL messages**.

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Message	Description
ApiRemotingSoap_ExecuteSPGetEulaFile_InputMessage	A WSDL message containing the request for the ExecuteSPGetEulaFile **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetEulaFile_OutputMessage	A WSDL message containing the response for the ExecuteSPGetEulaFile WSDL operation.

3.1.4.2.1.1 ApiRemotingSoap_ExecuteSPGetEulaFile Input Message

The ApiRemotingSoap_ExecuteSPGetEulaFile_InputMessage **WSDL message** contains the request for the ExecuteSPGetEulaFile **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetEulaFileRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPGetEulaFile InputMessage">
  <wsdl:part name="ExecuteSPGetEulaFile" element="tns:ExecuteSPGetEulaFile"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.2.2.1.

3.1.4.2.1.2 ApiRemotingSoap_ExecuteSPGetEulaFile Output Message

The ApiRemotingSoap_ExecuteSPGetEulaFile_OutputMessage **WSDL message** contains the response for the ExecuteSPGetEulaFile **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetEulaFileResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPGetEulaFile OutputMessage">
  <wsdl:part name="ExecuteSPGetEulaFileResponse" element="tns:ExecuteSPGetEulaFileResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.2.2.2.

3.1.4.2.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetEulaFile	Contains the body for the request of the ExecuteSPGetEulaFile **WSDL operation**.
ExecuteSPGetEulaFileResponse	Contains the body for the response of the ExecuteSPGetEulaFile WSDL operation.

3.1.4.2.2.1 ExecuteSPGetEulaFile

This element contains the body of the request for the ExecuteSPGetEulaFile **WSDL operation**. The format is defined in section 3.1.4.2.3.1.

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```
<xsd:element name="ExecuteSPGetEulaFile" nillable="true"
type="tns:ExecuteSPGetEulaFileRequestBody"/>
```

3.1.4.2.2.2 ExecuteSPGetEulaFileResponse

This element contains the body of the response for the ExecuteSPGetEulaFile **WSDL operation**. The format is defined in section 3.1.4.2.3.2.

```
<xsd:element name="ExecuteSPGetEulaFileResponse" nillable="true"
type="tns:ExecuteSPGetEulaFileResponseBody"/>
```

3.1.4.2.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetEulaFileRequestBody	Specifies the update and language for which the **EULA** is to be retrieved.
ExecuteSPGetEulaFileResponseBody	Contains the contents of the EULA.

3.1.4.2.3.1 ExecuteSPGetEulaFileRequestBody

Specifies the **update** and language for which to retrieve the **EULA**.

```
<xsd:complexType name="ExecuteSPGetEulaFileRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="revisionNumber" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It specifies the language of the EULA as defined in [RFC1766]. The PreferredCulture simple type is defined in section 2.2.5.5.

id: This field MUST be present. It contains a string representation of the **GUID** that identifies the EULA.

updateId: This field MUST be present. It contains the string representation of the GUID for the update the EULA is associated with.

revisionNumber: This field MUST be present. It specifies the revision number of the update the EULA is associated with.

3.1.4.2.3.2 ExecuteSPGetEulaFileResponseBody

Contains the contents of the **EULA**.

```
<xsd:complexType name="ExecuteSPGetEulaFileResponseBody">
```


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```
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetEulaFileResult"
nillable="true" type="xsd:base64Binary"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetEulaFileResult: This field MUST be present. It contains the contents of the EULA in the specified language. The EULA itself is represented as a **UTF-8** encoded byte array, which is base64-encoded before being sent as part of this message.

3.1.4.3 ExecuteSPGetEulaAcceptances

This operation retrieves acceptance information for one or more **EULAs**.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetEulaAcceptances">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetEulaAcceptancesRequest"
name="ApiRemotingSoap ExecuteSPGetEulaAcceptances InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetEulaAcceptances_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetEulaAcceptancesResponse"
name="ApiRemotingSoap ExecuteSPGetEulaAcceptances OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetEulaAcceptances OutputMessage"/>
</wsdl:operation>
```

3.1.4.3.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetEulaAcceptances_InputMessage	A WSDL message containing the request for the ExecuteSPGetEulaAcceptances **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetEulaAcceptances_OutputMessage	A WSDL message containing the response for the ExecuteSPGetEulaAcceptances WSDL operation.

3.1.4.3.1.1 ApiRemotingSoap_ExecuteSPGetEulaAcceptances Input Message

The ApiRemotingSoap_ExecuteSPGetEulaAcceptances_InputMessage **WSDL message** contains the request for the ExecuteSPGetEulaAcceptances **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetEulaAcceptancesRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetEulaAcceptances_InputMessage">
  <wsdl:part name="ExecuteSPGetEulaAcceptances" element="tns:ExecuteSPGetEulaAcceptances"/>
</wsdl:message>
```


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The element contained in this WSDL message is defined in section 3.1.4.3.2.1.

3.1.4.3.1.2 ApiRemotingSoap_ExecuteSPGetEulaAcceptances Output Message

The ApiRemotingSoap_ExecuteSPGetEulaAcceptances_OutputMessage **WSDL message** contains the response for the ExecuteSPGetEulaAcceptances **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetEulaAcceptancesResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPGetEulaAcceptances OutputMessage">
  <wsdl:part name="ExecuteSPGetEulaAcceptancesResponse"
element="tns:ExecuteSPGetEulaAcceptancesResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.3.2.2.

3.1.4.3.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetEulaAcceptances	Contains the body for the request of the ExecuteSPGetEulaAcceptances **WSDL operation**.
ExecuteSPGetEulaAcceptancesResponse	Contains the body for the response of the ExecuteSPGetEulaAcceptances WSDL operation.

3.1.4.3.2.1 ExecuteSPGetEulaAcceptances

This element contains the body of the request for the ExecuteSPGetEulaAcceptances **WSDL operation**. The format is defined in section 3.1.4.3.3.1.

```
<xsd:element name="ExecuteSPGetEulaAcceptances" nillable="true"
type="tns:ExecuteSPGetEulaAcceptancesRequestBody"/>
```

3.1.4.3.2.2 ExecuteSPGetEulaAcceptancesResponse

This element contains the body of the request for the ExecuteSPGetEulaAcceptances **WSDL operation**. The format is defined in section 3.1.4.3.3.2.

```
<xsd:element name="ExecuteSPGetEulaAcceptancesResponse" nillable="true"
type="tns:ExecuteSPGetEulaAcceptancesResponseBody"/>
```

3.1.4.3.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetEulaAcceptancesRequestBody	Describes the **EULA** for which acceptance information is to be

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Complex type	Description
	retrieved.
ExecuteSPGetEulaAcceptancesResponseBody	Contains acceptance information for the specified EULA.

3.1.4.3.3.1 ExecuteSPGetEulaAcceptancesRequestBody

Describes the **EULA** for which acceptance information is to be retrieved.

```
<xsd:complexType name="ExecuteSPGetEulaAcceptancesRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

id: This field SHOULD be present. It contains the string representation of the **GUID** that identifies the EULA. If this field is not present, the WSUS server can return acceptance information for any EULA.

3.1.4.3.3.2 ExecuteSPGetEulaAcceptancesResponseBody

Contains acceptance information for the specified **EULA**.

```
<xsd:complexType name="ExecuteSPGetEulaAcceptancesResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetEulaAcceptancesResult"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetEulaAcceptancesResult: This field MUST be present, if acceptance information for the specified update has been found. Otherwise, it MUST NOT be present. The format of the information returned is of data type GenericReadableRow (section 2.2.4.12) and SHOULD be interpreted as follows:

Index	Description
0	String representation of the GUID of the EULA.
1	String representation of date and time when the EULA was accepted. The format follows the datetime data type in Transact-SQL.
2	The name of the administrator who accepted the EULA.

3.1.4.4 ExecuteSPAcceptEula

The ExecuteSPAcceptEula **WSDL operation** accepts the **EULA** for a specified update.

This operation is specified by the following WSDL.

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```
<wsdl:operation name="ExecuteSPAcceptEula">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPAcceptEulaRequest"
name="ApiRemotingSoap ExecuteSPAcceptEula InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPAcceptEula_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPAcceptEulaResponse"
name="ApiRemotingSoap ExecuteSPAcceptEula OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPAcceptEula_OutputMessage"/>
</wsdl:operation>
```

3.1.4.4.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPAcceptEula_InputMessage	A WSDL message containing the request for the ExecuteSPAcceptEula **WSDL operation**.
ApiRemotingSoap_ExecuteSPAcceptEula_OutputMessage	A WSDL message containing the response for the ExecuteSPAcceptEula WSDL operation.

3.1.4.4.1.1 ApiRemotingSoap_ExecuteSPAcceptEula Input Message

The ApiRemotingSoap_ExecuteSPAcceptEula_InputMessage **WSDL message** contains the request for the ExecuteSPAcceptEula **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPAcceptEulaRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPAcceptEula_InputMessage">
  <wsdl:part name="ExecuteSPAcceptEula" element="tns:ExecuteSPAcceptEula"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.4.2.1.

3.1.4.4.1.2 ApiRemotingSoap_ExecuteSPAcceptEula Output Message

The ApiRemotingSoap_ExecuteSPAcceptEula_OutputMessage **WSDL message** contains the response for the ExecuteSPAcceptEula **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPAcceptEulaResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPAcceptEula_OutputMessage">
  <wsdl:part name="ExecuteSPAcceptEulaResponse" element="tns:ExecuteSPAcceptEulaResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.4.2.2.

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3.1.4.4.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPAcceptEula	Contains the body for the request of the ExecuteSPAcceptEula **WSDL operation**.
ExecuteSPAcceptEulaResponse	Contains the body for the response of the ExecuteSPAcceptEula WSDL operation.

3.1.4.4.2.1 ExecuteSPAcceptEula

This element contains the body of the request for the ExecuteSPAcceptEula **WSDL operation**. The format is defined in section 3.1.4.4.3.1.

```
<xsd:element name="ExecuteSPAcceptEula" nillable="true"
type="tns:ExecuteSPAcceptEulaRequestBody"/>
```

3.1.4.4.2.2 ExecuteSPAcceptEulaResponse

This element contains the body of the response for the ExecuteSPAcceptEula **WSDL operation**. The format is defined in section 3.1.4.4.3.2.

```
<xsd:element name="ExecuteSPAcceptEulaResponse" nillable="true"
type="q1:ExecuteSPAcceptEulaResponseBody"/>
```

3.1.4.4.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPAcceptEulaRequestBody	Specifies which **EULA** is accepted and by whom it is accepted.
ExecuteSPAcceptEulaResponseBody	This type does not contain any data.

3.1.4.4.3.1 ExecuteSPAcceptEulaRequestBody

Specifies which **EULA** is accepted and by whom it is accepted.

```
<xsd:complexType name="ExecuteSPAcceptEula">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="eulaId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="adminName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateId" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```


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eulaId: This field MUST be present and contains the string representation of a GUID that identifies the EULA.

adminName: This field MUST be present. It contains the name of an administrator who accepts the EULA. The specified name MUST NOT be longer than 384 Unicode characters and SHOULD adhere to the format <domain>\<username>.

updateId: This field MUST be present. It contains the **revision** of the update for which the EULA is accepted. The format of this field is defined in section 2.2.4.15.

3.1.4.4.3.2 ExecuteSPAcceptEulaResponseBody

This type does not contain any data.

```
<xsd:complexType name="ExecuteSPAcceptEulaResponseBody"/>
```

3.1.4.5 ExecuteSPAcceptEulaForReplicaDSS

The ExecuteSPAcceptEulaForReplicaDSS **WSDL operation** accepts a **EULA** for a specified update. This operation SHOULD be invoked only as part of the synchronization between a WSUS **USS** and a replicated WSUS **DSS**.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPAcceptEulaForReplicaDSS">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPAcceptEulaForReplicaDSSRequest"
name="ApiRemotingSoap ExecuteSPAcceptEulaForReplicaDSS InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPAcceptEulaForReplicaDSS_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPAcceptEulaForReplicaDSSResponse"
name="ApiRemotingSoap_ExecuteSPAcceptEulaForReplicaDSS_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPAcceptEulaForReplicaDSS OutputMessage"/>
</wsdl:operation>
```

3.1.4.5.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPAcceptEulaForReplicaDSS_InputMessage	A WSDL message containing the request for the ExecuteSPAcceptEulaForReplicaDSS **WSDL operation**.
ApiRemotingSoap_ExecuteSPAcceptEulaForReplicaDSS_OutputMessage	A WSDL message containing the response for the ExecuteSPAcceptEulaForReplicaDSS WSDL operation.

3.1.4.5.1.1 ApiRemotingSoap_ExecuteSPAcceptEulaForReplicaDSS Input Message

The ApiRemotingSoap_ExecuteSPAcceptEulaForReplicaDSS_InputMessage **WSDL message** contains the request for the ExecuteSPAcceptEulaForReplicaDSS **WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPAcceptEulaForReplicaDSSRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPAcceptEulaForReplicaDSS_InputMessage">
  <wsdl:part name="ExecuteSPAcceptEulaForReplicaDSS"
element="tns:ExecuteSPAcceptEulaForReplicaDSS"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.5.2.1.

3.1.4.5.1.2 ApiRemotingSoap_ExecuteSPAcceptEulaForReplicaDSS Output Message

The ApiRemotingSoap_ExecuteSPAcceptEulaForReplicaDSS_OutputMessage **WSDL message** contains the response for the ExecuteSPAcceptEulaForReplicaDSS **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPAcceptEulaForReplicaDSSResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPAcceptEulaForReplicaDSS_OutputMessage">
  <wsdl:part name="ExecuteSPAcceptEulaForReplicaDSSResponse"
element="tns:ExecuteSPAcceptEulaForReplicaDSSResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.5.2.2.

3.1.4.5.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPAcceptEulaForReplicaDSS	Contains the **EULA** identifier.
ExecuteSPAcceptEulaForReplicaDSSResponse	This element does not contain any data.

3.1.4.5.2.1 ExecuteSPAcceptEulaForReplicaDSS

Contains the **EULA** identifier.

```
<xsd:element name="ExecuteSPAcceptEulaForReplicaDSS" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="eulaId" nillable="true"
type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

eulaId: This field MUST be present. It denotes the identifier of the EULA that is to be accepted. The identifier is represented as a string representation of the EULA's GUID.

3.1.4.5.2.2 ExecuteSPAcceptEulaForReplicaDSSResponse

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This element does not contain any data.

```
<xsd:element name="ExecuteSPAcceptEulaForReplicaDSSResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.6 ExecuteSPGetCategories

The ExecuteSPGetCategories **WSDL operation** retrieves a set of update categories or update classifications, respectively, that match the specified parameters.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetCategories">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetCategoriesRequest"
name="ApiRemotingSoap_ExecuteSPGetCategories_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetCategories InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetCategoriesResponse"
name="ApiRemotingSoap_ExecuteSPGetCategories_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetCategories_OutputMessage"/>
</wsdl:operation>
```

3.1.4.6.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetCategories_InputMessage	A WSDL message containing the request for the ExecuteSPGetCategories **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetCategories_OutputMessage	A WSDL message containing the response for the ExecuteSPGetCategories WSDL operation.

3.1.4.6.1.1 ApiRemotingSoap_ExecuteSPGetCategories Input Message

The ApiRemotingSoap_ExecuteSPGetCategories_InputMessage **WSDL message** contains the request for the ExecuteSPGetCategories **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetCategoriesRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetCategories_InputMessage">
  <wsdl:part name="ExecuteSPGetCategories" element="tns:ExecuteSPGetCategories"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.6.2.1.

3.1.4.6.1.2 ApiRemotingSoap_ExecuteSPGetCategories Output Message

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The ApiRemotingSoap_ExecuteSPGetCategories_OutputMessage **WSDL message** contains the response for the ExecuteSPGetCategories **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetCategoriesResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetCategories_OutputMessage">
  <wsdl:part name="ExecuteSPGetCategoriesResponse"
element="tns:ExecuteSPGetCategoriesResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.6.2.2.

3.1.4.6.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetCategories	Contains the body for the request of the ExecuteSPGetCategories **WSDL operation**.
ExecuteSPGetCategoriesResponse	Contains the body for the response of the ExecuteSPGetCategories WSDL operation.

3.1.4.6.2.1 ExecuteSPGetCategories

This element contains the body of the request for the ExecuteSPGetCategories **WSDL operation**. The format is defined in section 3.1.4.6.3.1.

```
<xsd:element name="ExecuteSPGetCategories" nillable="true"
type="tns:ExecuteSPGetCategoriesRequestBody"/>
```

3.1.4.6.2.2 ExecuteSPGetCategoriesResponse

This element contains the body of the response for the ExecuteSPGetCategories **WSDL operation**. The format is defined in section 3.1.4.6.3.2.

```
<xsd:element name="ExecuteSPGetCategoriesResponse" nillable="true"
type="tns:ExecuteSPGetCategoriesResponseBody"/>
```

3.1.4.6.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetCategoriesRequestBody	A set of parameters for which matching categories are returned.
ExecuteSPGetCategoriesResponseBody	A set of categories that match the specified parameters.

3.1.4.6.3.1 ExecuteSPGetCategoriesRequestBody

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A set of parameters for which matching categories are returned.

```
<xsd:complexType name="ExecuteSPGetCategories">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="retrieveUpdateClassifications"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="fromSyncDate" type="xsd:dateTime"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="toSyncDate" type="xsd:dateTime"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] to denote the preferred language of the update categories. The WSUS server SHOULD return category information in the default language, if the preferred language is not available.

retrieveUpdateClassifications: This field MUST be present. If set to TRUE, the operation will yield update classifications. If set to FALSE, the operation will return update categories.

fromSyncDate: This field MUST be present. It specifies the beginning of a time frame to retrieve categories that were synchronized to the WSUS server during that time frame. The time is specified in UTC. The string format of date and time is defined in [ISO/IEC-9075-2-2008]. For each category or classification, the server will match the synchronization time of the oldest revision in the database.

toSyncDate: This field MUST be present. It specifies the end of a time frame to retrieve categories that were synchronized to the WSUS server during that time frame. The time is specified in UTC. The string format of date and time is defined in [ISO/IEC-9075-2-2008]. For each category or classification, the server will match the synchronization time of the oldest revision in the database.

3.1.4.6.3.2 ExecuteSPGetCategoriesResponseBody

A set of categories that match the specified parameters.

```
<xsd:complexType name="ExecuteSPGetCategoriesResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetCategoriesResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetCategoriesResult: This field MUST be present. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.3.1.

3.1.4.7 ExecuteSPGetCategoryById

The **ExecuteSPGetCategoryById** **WSDL operation** retrieves properties of the specified update category or update classification, respectively.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetCategoryById">
```


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```
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetCategoryByIdRequest"
name="ApiRemotingSoap_ExecuteSPGetCategoryById_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetCategoryById_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetCategoryByIdResponse"
name="ApiRemotingSoap_ExecuteSPGetCategoryById_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetCategoryById_OutputMessage"/>
</wsdl:operation>
```

3.1.4.7.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetCategoryById_InputMessage	A WSDL message containing the request for the ExecuteSPGetCategoryById **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetCategoryById_OutputMessage	A WSDL message containing the response for the ExecuteSPGetCategoryById WSDL operation.

3.1.4.7.1.1 ApiRemotingSoap_ExecuteSPGetCategoryById Input Message

The ApiRemotingSoap_ExecuteSPGetCategoryById_InputMessage **WSDL message** contains the request for the ExecuteSPGetCategoryById **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetCategoryByIdRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetCategoryById_InputMessage">
  <wsdl:part name="ExecuteSPGetCategoryById" element="tns:ExecuteSPGetCategoryById"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.7.2.1.

3.1.4.7.1.2 ApiRemotingSoap_ExecuteSPGetCategoryById Output Message

The ApiRemotingSoap_ExecuteSPGetCategoryById_OutputMessage **WSDL message** contains the response for the ExecuteSPGetCategoryById **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetCategoryByIdResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetCategoryById_OutputMessage">
  <wsdl:part name="ExecuteSPGetCategoryByIdResponse"
element="tns:ExecuteSPGetCategoryByIdResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.7.2.2.

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3.1.4.7.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetCategoryById	Contains the body for the request of the ExecuteSPGetCategoryById **WSDL operation**.
ExecuteSPGetCategoryByIdResponse	Contains the body for the response of the ExecuteSPGetCategoryById WSDL operation.

3.1.4.7.2.1 ExecuteSPGetCategoryById

This element contains the body of the request for the ExecuteSPGetCategoryById **WSDL operation**. The format is defined in section 3.1.4.7.3.1.

```
<xsd:element name="ExecuteSPGetCategoryById" nillable="true"
type="tns:ExecuteSPGetCategoryByIdRequestBody"/>
```

3.1.4.7.2.2 ExecuteSPGetCategoryByIdResponse

This element contains the body of the response for the ExecuteSPGetCategoryById **WSDL operation**. The format is defined in section 3.1.4.7.3.2.

```
<xsd:element name="ExecuteSPGetCategoryByIdResponse" nillable="true"
type="tns:ExecuteSPGetCategoryByIdResponseBody"/>
```

3.1.4.7.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetCategoryByIdRequestBody	Describes the category or classification to retrieve.
ExecuteSPGetCategoryByIdResponseBody	Contains the properties of the requested category or classification.

3.1.4.7.3.1 ExecuteSPGetCategoryByIdRequestBody

Describes the category or classification to retrieve.

```
<xsd:complexType name="ExecuteSPGetCategoryByIdRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="retrieveUpdateClassification"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] to denote a preferred language in which properties of the category or classification are

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returned. The WSUS server SHOULD return category or classification information in the default language, if the preferred language is not available.

retrieveUpdateClassification: This field MUST be present. It MUST be set to 1 to retrieve information about update classification. It MUST be set to 0 to retrieve information about an update category.

id: This field MUST be present. It contains the GUID for the requested category or classification.

3.1.4.7.3.2 ExecuteSPGetCategoryByIdResponseBody

Contains the properties of the requested category or classification.

```
<xsd:complexType name="ExecuteSPGetCategoryByIdResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetCategoryByIdResult"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetCategoryByIdResult: This field MUST be present. The data type is defined in section 2.2.4.12. The entries in that array SHOULD be interpreted as defined in section 2.2.4.12.1.

3.1.4.8 ExecuteSPGetTopLevelCategories

The ExecuteSPGetTopLevelCategories **WSDL operation** retrieves all **update** categories from the database that have no parent categories in a certain language.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetTopLevelCategories">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTopLevelCategoriesRequest"
name="ApiRemotingSoap_ExecuteSPGetTopLevelCategories_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetTopLevelCategories InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTopLevelCategoriesResponse"
name="ApiRemotingSoap_ExecuteSPGetTopLevelCategories_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetTopLevelCategories_OutputMessage"/>
</wsdl:operation>
```

3.1.4.8.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetTopLevelCategories_InputMessage	A WSDL message containing the request for the ExecuteSPGetTopLevelCategories **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetTopLevelCategories_OutputMessage	A WSDL message containing the response for the ExecuteSPGetTopLevelCategories WSDL operation.

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3.1.4.8.1.1 ApiRemotingSoap_ExecuteSPGetTopLevelCategories Input Message

The ApiRemotingSoap_ExecuteSPGetTopLevelCategories_InputMessage **WSDL message** contains the request for the ExecuteSPGetTopLevelCategories **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTopLevelCategoriesRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetTopLevelCategories_InputMessage">
  <wsdl:part name="ExecuteSPGetTopLevelCategories"
element="tns:ExecuteSPGetTopLevelCategories"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.8.2.1.

3.1.4.8.1.2 ApiRemotingSoap_ExecuteSPGetTopLevelCategories Output Message

The ApiRemotingSoap_ExecuteSPGetTopLevelCategories_OutputMessage **WSDL message** contains the response for the ExecuteSPGetTopLevelCategories **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTopLevelCategoriesResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetTopLevelCategories_OutputMessage">
  <wsdl:part name="ExecuteSPGetTopLevelCategoriesResponse"
element="tns:ExecuteSPGetTopLevelCategoriesResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.8.2.2.

3.1.4.8.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetTopLevelCategories	Contains the body for the request of the ExecuteSPGetTopLevelCategories **WSDL operation**.
ExecuteSPGetTopLevelCategoriesResponse	Contains the body for the response of the ExecuteSPGetTopLevelCategories WSDL operation.

3.1.4.8.2.1 ExecuteSPGetTopLevelCategories

This element contains the body of the request for the ExecuteSPGetTopLevelCategories **WSDL operation**. The format is defined in section 3.1.4.8.3.1.

```
<xsd:element name="ExecuteSPGetTopLevelCategories" nillable="true"
type="tns:ExecuteSPGetTopLevelCategoriesRequestBody"/>
```

3.1.4.8.2.2 ExecuteSPGetTopLevelCategoriesResponse

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This element contains the body of the response for the ExecuteSPGetTopLevelCategories **WSDL operation**. The format is defined in section 3.1.4.8.3.2.

```
<xsd:element name="ExecuteSPGetTopLevelCategoriesResponse" nillable="true"
type="tns:ExecuteSPGetTopLevelCategoriesResponseBody"/>
```

3.1.4.8.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetTopLevelCategoriesRequestBody	Contains the preferred language in which to retrieve top level categories.
ExecuteSPGetTopLevelCategoriesResponseBody	Contains all top level update categories.

3.1.4.8.3.1 ExecuteSPGetTopLevelCategoriesRequestBody

Contains the preferred language in which to retrieve top level categories.

```
<xsd:complexType name="ExecuteSPGetTopLevelCategoriesRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] to denote a preferred language in which to retrieve properties of top level categories. The WSUS server SHOULD return properties in the default language, if the preferred language is not available.

3.1.4.8.3.2 ExecuteSPGetTopLevelCategoriesResponseBody

Contains all top level update categories.

```
<xsd:complexType name="ExecuteSPGetTopLevelCategoriesResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetTopLevelCategoriesResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetTopLevelCategoriesResult: This field MUST be present. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.3.1.

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3.1.4.9 ExecuteSPGetSubcategories

The ExecuteSPGetSubcategories **WSDL operation** returns all update categories that have a certain parent category.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetSubcategories">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetSubcategoriesRequest"
name="ApiRemotingSoap ExecuteSPGetSubcategories InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetSubcategories_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetSubcategoriesResponse"
name="ApiRemotingSoap_ExecuteSPGetSubcategories_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetSubcategories OutputMessage"/>
</wsdl:operation>
```

3.1.4.9.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetSubcategories_InputMessage	A WSDL message containing the request for the ExecuteSPGetSubcategories **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetSubcategories_OutputMessage	A WSDL message containing the response for the ExecuteSPGetSubcategories WSDL operation.

3.1.4.9.1.1 ApiRemotingSoap_ExecuteSPGetSubcategories Input Message

The ApiRemotingSoap_ExecuteSPGetSubcategories_InputMessage **WSDL message** contains the request for the ExecuteSPGetSubcategories **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetSubcategoriesRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetSubcategories_InputMessage">
  <wsdl:part name="ExecuteSPGetSubcategories" element="tns:ExecuteSPGetSubcategories"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.9.2.1.

3.1.4.9.1.2 ApiRemotingSoap_ExecuteSPGetSubcategories Output Message

The ApiRemotingSoap_ExecuteSPGetSubcategories_OutputMessage **WSDL message** contains the response for the ExecuteSPGetSubcategories **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetSubcategoriesResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetSubcategories_OutputMessage">
  <wsdl:part name="ExecuteSPGetSubcategoriesResponse"
element="tns:ExecuteSPGetSubcategoriesResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.9.2.2.

3.1.4.9.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetSubcategories	Contains the body for the request of the ExecuteSPGetSubcategories **WSDL operation**.
ExecuteSPGetSubcategoriesResponse	Contains the body for the response of the ExecuteSPGetSubcategories WSDL operation.

3.1.4.9.2.1 ExecuteSPGetSubcategories

This element contains the body of the request for the ExecuteSPGetSubcategories **WSDL operation**. The format is defined in section 3.1.4.9.3.1.

```
<xsd:element name="ExecuteSPGetSubcategories" nillable="true"
type="tns:ExecuteSPGetSubcategoriesRequestBody"/>
```

3.1.4.9.2.2 ExecuteSPGetSubcategoriesResponse

This element contains the body of the response for the ExecuteSPGetSubcategories **WSDL operation**. The format is defined in section 3.1.4.9.3.2.

```
<xsd:element name="ExecuteSPGetSubcategoriesResponse" nillable="true"
type="tns:ExecuteSPGetSubcategoriesResponseBody"/>
```

3.1.4.9.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetSubcategoriesRequestBody	Specifies the preferred language and parent category.
ExecuteSPGetSubcategoriesResponseBody	Returns the resulting update categories.

3.1.4.9.3.1 ExecuteSPGetSubcategoriesRequestBody

Specifies the preferred language and parent **category**.

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```
<xsd:complexType name="ExecuteSPGetSubcategories">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="categoryId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] to denote a preferred language in which to return results. The WSUS server SHOULD return results in the default language, if the preferred language is not available.

categoryId: This field MUST be present. It represents the **GUID** of a category for which subcategories are returned.

3.1.4.9.3.2 ExecuteSPGetSubcategoriesResponseBody

Returns the resulting update categories.

```
<xsd:complexType name="ExecuteSPGetSubcategoriesResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetSubcategoriesResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetSubcategoriesResult: This field MUST be present. It represents information about all categories that share the same parent category. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.3.1.

3.1.4.10 ExecuteSPGetParentCategories

The ExecuteSPGetParentCategories **WSDL operation** retrieves immediate parent categories of a specified **category**.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetParentCategories">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetParentCategoriesRequest"
name="ApiRemotingSoap_ExecuteSPGetParentCategories_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetParentCategories_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetParentCategoriesResponse"
name="ApiRemotingSoap_ExecuteSPGetParentCategories_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetParentCategories_OutputMessage"/>
</wsdl:operation>
```

3.1.4.10.1 Messages

This operation includes the following **WSDL messages**.

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Message	Description
ApiRemotingSoap_ExecuteSPGetParentCategories_InputMessage	A WSDL message containing the request for the ExecuteSPGetParentCategories **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetParentCategories_OutputMessage	A WSDL message containing the response for the ExecuteSPGetParentCategories WSDL operation.

3.1.4.10.1.1 ApiRemotingSoap_ExecuteSPGetParentCategories Input Message

The ApiRemotingSoap_ExecuteSPGetParentCategories_InputMessage **WSDL message** contains the request for the ExecuteSPGetParentCategories **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetParentCategoriesRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetParentCategories_InputMessage">
  <wsdl:part name="ExecuteSPGetParentCategories" element="tns:ExecuteSPGetParentCategories"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.10.2.1.

3.1.4.10.1.2 ApiRemotingSoap_ExecuteSPGetParentCategories Output Message

The ApiRemotingSoap_ExecuteSPGetParentCategories_OutputMessage **WSDL message** contains the response for the ExecuteSPGetParentCategories **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetParentCategoriesResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPGetParentCategories OutputMessage">
  <wsdl:part name="ExecuteSPGetParentCategoriesResponse"
element="tns:ExecuteSPGetParentCategoriesResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.10.2.2.

3.1.4.10.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetParentCategories	Contains the body for the request of the ExecuteSPGetParentCategories **WSDL operation**.
ExecuteSPGetParentCategoriesResponse	Contains the body for the response of the ExecuteSPGetParentCategories WSDL operation.

3.1.4.10.2.1 ExecuteSPGetParentCategories

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This element contains the body of the request for the ExecuteSPGetParentCategories **WSDL operation**. The format is defined in section 3.1.4.10.3.1.

```
<xsd:element name="ExecuteSPGetParentCategories" nillable="true"
type="tns:ExecuteSPGetParentCategoriesRequestBody"/>
```

3.1.4.10.2.2 ExecuteSPGetParentCategoriesResponse

This element contains the body of the response for the ExecuteSPGetParentCategories **WSDL operation**. The format is defined in section 3.1.4.10.3.2.

```
<xsd:element name="ExecuteSPGetParentCategoriesResponse" nillable="true"
type="tns:ExecuteSPGetParentCategoriesResponseBody"/>
```

3.1.4.10.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetParentCategoriesRequestBody	Contains preferred language and **revision ID** of the category for which parent categories are to be retrieved.
ExecuteSPGetParentCategoriesResponseBody	Contains all the parent categories, if any.

3.1.4.10.3.1 ExecuteSPGetParentCategoriesRequestBody

Contains preferred language and **revision ID** of the **category** for which to retrieve parent categories.

```
<xsd:complexType name="ExecuteSPGetParentCategories">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="childUpdateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="childRevisionNumber" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

childRevisionNumber: This field MUST be present. It denotes the revision number of the specified category. A value of zero indicates the latest revision is available.

childUpdateId: This field MUST be present. It represents the **GUID** of the category.

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] to denote a preferred language in which to return results. The WSUS server SHOULD return results in the default language, if the preferred language is not available.

3.1.4.10.3.2 ExecuteSPGetParentCategoriesResponseBody

Contains all the parent categories, if any.

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```
<xsd:complexType name="ExecuteSPGetParentCategoriesResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetParentCategoriesResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetParentCategoriesResult: This field MUST be present. It represents information about all categories that share the same parent category. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.5.4). The entries in that array SHOULD be interpreted as defined in section 2.2.4.3.1.

3.1.4.11 ExecuteSPGetParentUpdateClassification

The ExecuteSPGetParentUpdateClassification **WSDL operation** returns information about the classification of a specified update.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetParentUpdateClassification">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetParentUpdateClassificationRequest"
name="ApiRemotingSoap_ExecuteSPGetParentUpdateClassification_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetParentUpdateClassification InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetParentUpdateClassificationResponse"
name="ApiRemotingSoap_ExecuteSPGetParentUpdateClassification_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetParentUpdateClassification_OutputMessage"/>
</wsdl:operation>
```

3.1.4.11.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetParentUpdateClassification_InputMessage	A WSDL message containing the request for the ExecuteSPGetParentUpdateClassification **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetParentUpdateClassification_OutputMessage	A WSDL message containing the response for the ExecuteSPGetParentUpdateClassification WSDL operation.

3.1.4.11.1.1 ApiRemotingSoap_ExecuteSPGetParentUpdateClassification Input Message

The ApiRemotingSoap_ExecuteSPGetParentUpdateClassification_InputMessage **WSDL message** contains the request for the ExecuteSPGetParentUpdateClassification **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetParentUpdateClassificationRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetParentUpdateClassification_InputMessage">
  <wsdl:part name="ExecuteSPGetParentUpdateClassification"
element="tns:ExecuteSPGetParentUpdateClassification"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.11.2.1.

3.1.4.11.1.2 ApiRemotingSoap_ExecuteSPGetParentUpdateClassification Output Message

The ApiRemotingSoap_ExecuteSPGetParentUpdateClassification_OutputMessage **WSDL message** contains the response for the ExecuteSPGetParentUpdateClassification **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetParentUpdateClassificationResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetParentUpdateClassification_OutputMessage">
  <wsdl:part name="ExecuteSPGetParentUpdateClassificationResponse"
element="tns:ExecuteSPGetParentUpdateClassificationResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.11.2.2.

3.1.4.11.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetParentUpdateClassification	Contains the body for the request of the ExecuteSPGetParentUpdateClassification **WSDL operation**.
ExecuteSPGetParentUpdateClassificationResponse	Contains the body for the response of the ExecuteSPGetParentUpdateClassification WSDL operation.

3.1.4.11.2.1 ExecuteSPGetParentUpdateClassification

This element contains the body of the request for the ExecuteSPGetParentUpdateClassification **WSDL operation**. The format is defined in section 3.1.4.11.3.1.

```
<xsd:element name="ExecuteSPGetParentUpdateClassification" nillable="true"
type="tns:ExecuteSPGetParentUpdateClassificationRequestBody"/>
```

3.1.4.11.2.2 ExecuteSPGetParentUpdateClassificationResponse

This element contains the body of the response for the ExecuteSPGetParentUpdateClassification **WSDL operation**. The format is defined in section 3.1.4.11.3.2.

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```
<xsd:element name="ExecuteSPGetParentUpdateClassificationResponse" nillable="true"
type="tns:ExecuteSPGetParentUpdateClassificationResponseBody"/>
```

3.1.4.11.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetParentUpdateClassificationRequestBody	Describes language of and update for which the associated classification is retrieved.
ExecuteSPGetParentUpdateClassificationResponseBody	Information about the resulting update classification.

3.1.4.11.3.1 ExecuteSPGetParentUpdateClassificationRequestBody

Describes language of and update for which the associated classification is to be retrieved.

```
<xsd:complexType name="ExecuteSPGetParentUpdateClassification">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="childUpdateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="childRevisionNumber" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

childRevisionNumber: This field MUST be present. It denotes the revision number of the specified update. A value of zero indicates the latest revision is available.

childUpdateId: This field MUST be present. It represents the **GUID** of the update.

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] to denote a preferred language in which to return results. The WSUS server SHOULD return results in the default language, if the preferred language is not available.

3.1.4.11.3.2 ExecuteSPGetParentUpdateClassificationResponseBody

Information about the resulting update classification.

```
<xsd:complexType name="ExecuteSPGetParentUpdateClassificationResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetParentUpdateClassificationResult" nillable="true"
type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetParentUpdateClassificationResult: This field MUST be present. It represents information about the specified update's classification. The data type is GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as follow as defined in section 2.2.4.12.1.

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3.1.4.12 ExecuteSPDeployUpdate1

The ExecuteSPDeployUpdate1 **WSDL operation** approves a specified update for a **deployment** action on a specified target group. A deployment action MUST be one of the following:

Install: The approved update will be installed on any computer belonging to the specified target group.

Uninstall: The update is approved to be uninstalled from any computer belonging to the specified target group.

Not approved: The update can be explicitly marked as not approved. This is used when an update is approved for installation on a larger target group, but a small subset of that group MUST NOT install the same update.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPDeployUpdate1">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeployUpdate1Request"
name="ApiRemotingSoap ExecuteSPDeployUpdate1 InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeployUpdate1_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeployUpdate1Response"
name="ApiRemotingSoap_ExecuteSPDeployUpdate1_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeployUpdate1_OutputMessage"/>
</wsdl:operation>
```

3.1.4.12.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPDeployUpdate1_InputMessage	A WSDL message containing the request for the ExecuteSPDeployUpdate1 **WSDL operation**.
ApiRemotingSoap_ExecuteSPDeployUpdate1_OutputMessage	A WSDL message containing the response for the ExecuteSPDeployUpdate1 WSDL operation.

3.1.4.12.1.1 ApiRemotingSoap_ExecuteSPDeployUpdate1 Input Message

The ApiRemotingSoap_ExecuteSPDeployUpdate1_InputMessage **WSDL message** contains the request for the ExecuteSPDeployUpdate1 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeployUpdate1Request
<wsdl:message name="ApiRemotingSoap ExecuteSPDeployUpdate1 InputMessage">
  <wsdl:part name="ExecuteSPDeployUpdate1" element="tns:ExecuteSPDeployUpdate1"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.12.2.1.

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3.1.4.12.1.2 ApiRemotingSoap_ExecuteSPDeployUpdate1 Output Message

The ApiRemotingSoap_ExecuteSPDeployUpdate1_OutputMessage **WSDL message** contains the response for the ExecuteSPDeployUpdate1 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeployUpdate1Response
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeployUpdate1_OutputMessage">
  <wsdl:part name="ExecuteSPDeployUpdate1Response"
element="tns:ExecuteSPDeployUpdate1Response"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.12.2.2.

3.1.4.12.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPDeployUpdate1	Contains the body for the request of the ExecuteSPDeployUpdate1 **WSDL operation**.
ExecuteSPDeployUpdate1Response	Contains the body for the response of the ExecuteSPDeployUpdate1 WSDL operation.

3.1.4.12.2.1 ExecuteSPDeployUpdate1

This element contains the body of the request for the ExecuteSPDeployUpdate1 **WSDL operation**. The format is defined in section 3.1.4.12.3.1.

```
<xsd:element name="ExecuteSPDeployUpdate1" nillable="true"
type="tns:ExecuteSPDeployUpdate1RequestBody"/>
```

3.1.4.12.2.2 ExecuteSPDeployUpdate1Response

This element contains the body of the response for the ExecuteSPDeployUpdate1 **WSDL operation**. The format is defined in section 3.1.4.12.3.2.

```
<xsd:element name="ExecuteSPDeployUpdate1Response" nillable="true"
type="tns:ExecuteSPDeployUpdate1ResponseBody"/>
```

3.1.4.12.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPDeployUpdate1RequestBody	Describes the update and **deployment** action.
ExecuteSPDeployUpdate1ResponseBody	Returns the result of the deployment operation.

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3.1.4.12.3.1 ExecuteSPDeployUpdate1RequestBody

Describes the update and **deployment** action.

```
<xsd:complexType name="ExecuteSPDeployUpdate1">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateId" nillable="true"
type="tns:UpdateRevisionId"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="deploymentAction" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="deadline" type="xsd:dateTime"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="adminName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="isAssigned" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

adminName: This field MUST be present. It represents the name of the approver. The name SHOULD follow the domain\username format.

deadline: This field MUST be present. It represents the date and time by which the **Windows Update Agent (WUA)** will enforce the specified action on any computer in the specified target group. Before the deadline has been reached, a user on that computer is prompted before executing the specified option. If a deployment action has no deadline, the date and time MUST be set to a value that is equivalent to 23:59:59.9999999, December 31, 9999; exactly one 100-nanosecond tick before 00:00:00, January 1, 10000. If the deadline has already passed when this operation is called, the specified action will take effect immediately on any computer in the specified target group.

deploymentAction: This field MUST be present and represents the value of the DeploymentAction enumeration (section 2.2.5.3) of the update.

isAssigned: This field MUST be present. If set to 0, the specified action is optional for the client computer. If set to 1, the specified action MUST be executed based on the specified **client computer** timelines.

targetGroupId: This field MUST be present. It contains the **GUID** of the **target group** for which this update is approved.

updateId: This field MUST be present. It contains the revision of the update that is being approved. The format of this field is defined in section 2.2.4.15.

3.1.4.12.3.2 ExecuteSPDeployUpdate1ResponseBody

Returns the result of the deployment operation.

```
<xsd:complexType name="ExecuteSPDeployUpdate1ResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPDeployUpdate1Result"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```


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ExecuteSPDeployUpdate1Result: This field MUST be present. The data type is GenericReadableRow (section 2.2.4.12). The element in that array SHOULD be interpreted as defined in section 2.2.4.12.1.

3.1.4.13 ExecuteSPDeployUpdate2

The ExecuteSPDeployUpdate2 **WSDL operation** approves a specified update for a deployment action on a specified **target group**. A deployment action SHOULD be one of the following:

Install: The approved update will be installed on any computer belonging to the specified target group.

Uninstall: The update is approved to be uninstalled from any computer belonging to the specified target group.

Not approved: The update can be explicitly marked as not approved. This is used when an update is approved for installation on a larger target group, but a small subset of that group MUST NOT install the same update.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPDeployUpdate2">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeployUpdate2Request"
name="ApiRemotingSoap_ExecuteSPDeployUpdate2_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeployUpdate2_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeployUpdate2Response"
name="ApiRemotingSoap_ExecuteSPDeployUpdate2_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeployUpdate2_OutputMessage"/>
</wsdl:operation>
```

3.1.4.13.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPDeployUpdate2_InputMessage	A WSDL message containing the request for the ExecuteSPDeployUpdate2 **WSDL operation**.
ApiRemotingSoap_ExecuteSPDeployUpdate2_OutputMessage	A WSDL message containing the response for the ExecuteSPDeployUpdate2 WSDL operation.

3.1.4.13.1.1 ApiRemotingSoap_ExecuteSPDeployUpdate2 Input Message

The ApiRemotingSoap_ExecuteSPDeployUpdate2_InputMessage **WSDL message** contains the request for the ExecuteSPDeployUpdate2 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeployUpdate2Request
<wsdl:message name="ApiRemotingSoap ExecuteSPDeployUpdate2 InputMessage">
  <wsdl:part name="ExecuteSPDeployUpdate2" element="tns:ExecuteSPDeployUpdate2"/>
```


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```
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.13.2.1.

3.1.4.13.1.2 ApiRemotingSoap_ExecuteSPDeployUpdate2 Output Message

The ApiRemotingSoap_ExecuteSPDeployUpdate2_OutputMessage **WSDL message** contains the response for the ExecuteSPDeployUpdate2 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeployUpdate2Response
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeployUpdate2_OutputMessage">
  <wsdl:part name="ExecuteSPDeployUpdate2Response"
element="tns:ExecuteSPDeployUpdate2Response"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.13.2.2.

3.1.4.13.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPDeployUpdate2	Contains the body for the request of the ExecuteSPDeployUpdate2 **WSDL operation**.
ExecuteSPDeployUpdate2Response	Contains the body for the response of the ExecuteSPDeployUpdate2 WSDL operation.

3.1.4.13.2.1 ExecuteSPDeployUpdate2

This element contains the body of the request for the ExecuteSPDeployUpdate2 **WSDL operation**. The format is defined in section 3.1.4.13.3.1.

```
<xsd:element name="ExecuteSPDeployUpdate2" nillable="true"
type="tns:ExecuteSPDeployUpdate2RequestBody"/>
```

3.1.4.13.2.2 ExecuteSPDeployUpdate2Response

This element contains the body of the response for the ExecuteSPDeployUpdate2 **WSDL operation**. The format is defined in section 3.1.4.13.3.2.

```
<xsd:element name="ExecuteSPDeployUpdate2Response" nillable="true"
type="tns:ExecuteSPDeployUpdate2ResponseBody"/>
```

3.1.4.13.3 Complex Types

This operation includes the following complex types.

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Complex type	Description
ExecuteSPDeployUpdate2RequestBody	Describes the update and deployment action.
ExecuteSPDeployUpdate2ResponseBody	Returns the result of the deployment operation.

3.1.4.13.3.1 ExecuteSPDeployUpdate2RequestBody

Describes the update and deployment action.

```
<xsd:complexType name="ExecuteSPDeployUpdate2">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="revisionNumber" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="deploymentAction" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="adminName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="deadline" type="xsd:dateTime"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="isAssigned" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="goLiveTime" type="xsd:dateTime"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="downloadPriority" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="deploymentGuid" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="translateSqlException"
type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="failIfReplica" type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="isReplicaSync" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

adminName: This field MUST be present. It represents the name of the approver. The name SHOULD follow the domain\username format.

deadline: This field MUST be present. It represents the date and time by which the **Windows Update Agent (WUA)** will enforce the specified action on any computer in the specified **target group**. Before the deadline has been reached, a user on that computer is prompted before executing the specified option. If a deployment action has no deadline, the date and time MUST be set to a value that is equivalent to 23:59:59.9999999, December 31, 9999; exactly one 100-nanosecond tick before 00:00:00, January 1, 10000. If the deadline has already passed when this operation is called, the specified action will take effect immediately on any computer in the specified target group.

deploymentAction: This field MUST be present and MUST be one of the following values:

Value	Action	Description
0	Install	Any client computer in the specified target group can install the update, if applicable. If a deadline is specified and the deadline is reached, the client computer MUST install the update, if applicable.
1	Uninstall	Any client computer canuninstall the specified update, if possible.
2	NotApproved	Exclude the update from any computer in the specified target group.

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deploymentGuid: This field denotes the **GUID** of the deployment. It is present when replicating deployments of a **USS** to **DSS**, as deployment GUIDs MUST be the same. If the deployment is not part of a USS/DSS replica synchronization, this field SHOULD be empty.

downloadPriority: This field MUST be present. Client computers use this value to prioritize downloads of contents associated with the approved update. The value is as follows:

Value	Meaning
0	High priority
1	Normal priority (This SHOULD be the default value.)
2	Low priority

failIfReplica: This field MUST be present. It defines whether or not the deployment SHOULD fail if executed on a replica WSUS server. It MUST be set to 1 to perform the check, and MUST be set to 0 otherwise. Deployment is only approved on nonreplica servers.

goLiveTime: This field MUST be present. It describes when the update will be available for client computers to apply. Date and time are in UTC. The format of the string is defined in [ISO/IEC-9075-2-2008].

isAssigned: This field MUST be present. It MUST be set to TRUE, if the deployment is available for Windows Automatic Update. Otherwise, the deployment action has to be done manually on the targeted client computer.

isReplicaSync: This field MUST be present. It SHOULD be set to FALSE. It is intended for internal use only.

revisionNumber: This field contains the revision number of the update that has been approved. This field in combination with **updateId** comprises the revision of the update.

targetGroupId: This field MUST be present. It contains the GUID of the target group for which this update is approved.

translateSqlException: This field MUST be present. It specifies whether or not errors observed by the database server when applying the deployment are translated to common WSUS exceptions. If this field is set to FALSE, a generic database error is returned.

updateId: This field MUST be present. It contains the GUID of the update that has been approved.

3.1.4.13.3.2 ExecuteSPDeployUpdate2ResponseBody

Returns the result of the deployment operation.

```
<xsd:complexType name="ExecuteSPDeployUpdate2ResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPDeployUpdate2Result"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPDeployUpdate2Result: This field MUST be present. The data type is GenericReadableRow (section 2.2.4.12). The elements in that array SHOULD be interpreted as defined in section 2.2.4.12.1.

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3.1.4.14 ExecuteSPGetDeploymentById

The **ExecuteSPGetDeploymentById** **WSDL operation** returns information about a specified deployment.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetDeploymentById">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDeploymentByIdRequest"
name="ApiRemotingSoap ExecuteSPGetDeploymentById InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetDeploymentById_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDeploymentByIdResponse"
name="ApiRemotingSoap_ExecuteSPGetDeploymentById_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetDeploymentById OutputMessage"/>
</wsdl:operation>
```

3.1.4.14.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetDeploymentById_InputMessage	A WSDL message containing the request for the ExecuteSPGetDeploymentById **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetDeploymentById_OutputMessage	A WSDL message containing the response for the ExecuteSPGetDeploymentById WSDL operation.

3.1.4.14.1.1 ApiRemotingSoap_ExecuteSPGetDeploymentById Input Message

The ApiRemotingSoap_ExecuteSPGetDeploymentById_InputMessage **WSDL message** contains the request for the ExecuteSPGetDeploymentById **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDeploymentByIdRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetDeploymentById_InputMessage">
  <wsdl:part name="ExecuteSPGetDeploymentById" element="tns:ExecuteSPGetDeploymentById"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.14.2.1.

3.1.4.14.1.2 ApiRemotingSoap_ExecuteSPGetDeploymentById Output Message

The ApiRemotingSoap_ExecuteSPGetDeploymentById_OutputMessage **WSDL message** contains the response for the ExecuteSPGetDeploymentById **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDeploymentByIdResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetDeploymentById_OutputMessage">
  <wsdl:part name="ExecuteSPGetDeploymentByIdResponse"
element="tns:ExecuteSPGetDeploymentByIdResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.14.2.2.

3.1.4.14.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetDeploymentById	Contains the body for the request of the ExecuteSPGetDeploymentById **WSDL operation**.
ExecuteSPGetDeploymentByIdResponse	Contains the body for the response of the ExecuteSPGetDeploymentById WSDL operation.

3.1.4.14.2.1 ExecuteSPGetDeploymentById

This element contains the body of the request for the ExecuteSPGetDeploymentById **WSDL operation**. The format is defined in section 3.1.4.14.3.1.

```
<xsd:element name="ExecuteSPGetDeploymentById" nillable="true"
type="tns:ExecuteSPGetDeploymentByIdRequestBody"/>
```

3.1.4.14.2.2 ExecuteSPGetDeploymentByIdResponse

This element contains the body of the response for the ExecuteSPGetDeploymentById **WSDL operation**. The format is defined in section 3.1.4.14.3.2.

```
<xsd:element name="ExecuteSPGetDeploymentByIdResponse" nillable="true"
type="tns:ExecuteSPGetDeploymentByIdResponseBody"/>
```

3.1.4.14.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetDeploymentByIdRequestBody	Specifies the identifier of the deployment for which to retrieve information.
ExecuteSPGetDeploymentByIdResponseBody	Contains information about the specified deployment.

3.1.4.14.3.1 ExecuteSPGetDeploymentByIdRequestBody

Specifies the identifier of the deployment for which to retrieve information.

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```
<xsd:complexType name="ExecuteSPGetDeploymentById">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="deploymentId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

deploymentId: This field MUST be present. It contains the **GUID** of the deployment for which information is retrieved.

3.1.4.14.3.2 ExecuteSPGetDeploymentByIdResponseBody

Contains information about the specified deployment.

```
<xsd:complexType name="ExecuteSPGetDeploymentByIdResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetDeploymentByIdResult"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetDeploymentByIdResult: This field MUST be present. The data type is GenericReadableRow (section 2.2.4.12). The elements in that array SHOULD be interpreted as defined in section 2.2.4.12.1.

3.1.4.15 ExecuteSPGetDeploymentsByUpdate1

The ExecuteSPGetDeploymentsByUpdate1 **WSDL operation** returns information about all deployments associated with a specified update.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetDeploymentsByUpdate1">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDeploymentsByUpdate1Request"
name="ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate1_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate1_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDeploymentsByUpdate1Response"
name="ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate1_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate1_OutputMessage"/>
</wsdl:operation>
```

3.1.4.15.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate1_InputMessage	A WSDL message containing the request for the ExecuteSPGetDeploymentsByUpdate1 **WSDL operation**.

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Message	Description
ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate1_OutputMessage	A WSDL message containing the response for the ExecuteSPGetDeploymentsByUpdate1 WSDL operation.

3.1.4.15.1.1 ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate1 Input Message

The ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate1_InputMessage **WSDL message** contains the request for the ExecuteSPGetDeploymentsByUpdate1 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDeploymentsByUpdate1Request
<wsdl:message name="ApiRemotingSoap ExecuteSPGetDeploymentsByUpdate1 InputMessage">
  <wsdl:part name="ExecuteSPGetDeploymentsByUpdate1"
element="tns:ExecuteSPGetDeploymentsByUpdate1"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.15.2.1.

3.1.4.15.1.2 ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate1 Output Message

The ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate1_OutputMessage **WSDL message** contains the response for the ExecuteSPGetDeploymentsByUpdate1 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDeploymentsByUpdate1Response
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate1_OutputMessage">
  <wsdl:part name="ExecuteSPGetDeploymentsByUpdate1Response"
element="tns:ExecuteSPGetDeploymentsByUpdate1Response"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.15.2.2.

3.1.4.15.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetDeploymentsByUpdate1	Contains the body for the request of the ExecuteSPGetDeploymentsByUpdate1 **WSDL operation**.
ExecuteSPGetDeploymentsByUpdate1Response	Contains the body for the response of the ExecuteSPGetDeploymentsByUpdate1 WSDL operation.

3.1.4.15.2.1 ExecuteSPGetDeploymentsByUpdate1

This element contains the body of the request for the ExecuteSPGetDeploymentsByUpdate1 **WSDL operation**. The format is defined in section 3.1.4.15.3.1.

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```
<xsd:element name="ExecuteSPGetDeploymentsByUpdate1" nillable="true"
type="tns:ExecuteSPGetDeploymentsByUpdate1RequestBody"/>
```

3.1.4.15.2.2 ExecuteSPGetDeploymentsByUpdate1Response

This element contains the body of the response for the ExecuteSPGetDeploymentsByUpdate1 **WSDL operation**. The format is defined in section 3.1.4.15.3.2.

```
<xsd:element name="ExecuteSPGetDeploymentsByUpdate1Response" nillable="true"
type="tns:ExecuteSPGetDeploymentsByUpdate1ResponseBody"/>
```

3.1.4.15.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetDeploymentsByUpdate1RequestBody	Specifies the revision of an update.
ExecuteSPGetDeploymentsByUpdate1ResponseBody	Information about all the deployments associated with that update.

3.1.4.15.3.1 ExecuteSPGetDeploymentsByUpdate1RequestBody

Specifies the revision of an update.

```
<xsd:complexType name="ExecuteSPGetDeploymentsByUpdate1RequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

id: This field MUST be present. It specifies the revision of the update for which associated deployments will be returned, if any. The format of this field is defined in section 2.2.4.15.

3.1.4.15.3.2 ExecuteSPGetDeploymentsByUpdate1ResponseBody

Information about all deployments associated with that update.

```
<xsd:complexType name="ExecuteSPGetDeploymentsByUpdate1ResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetDeploymentsByUpdate1Result"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetDeploymentsByUpdate1Result: This field MUST be present. It represents information about all deployments that are associated with the specified update. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type

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GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.3.1.

3.1.4.16 ExecuteSPGetDeploymentsByUpdate2

The ExecuteSPGetDeploymentsByUpdate2 **WSDL operation** retrieves information about all deployments that are associated with a specified update and that are targeted at a specified computer group.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetDeploymentsByUpdate2">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDeploymentsByUpdate2Request"
name="ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate2_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate2_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDeploymentsByUpdate2Response"
name="ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate2_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate2_OutputMessage"/>
</wsdl:operation>
```

3.1.4.16.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate2_InputMessage	A WSDL message containing the request for the ExecuteSPGetDeploymentsByUpdate2 **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate2_OutputMessage	A WSDL message containing the response for the ExecuteSPGetDeploymentsByUpdate2 WSDL operation.

3.1.4.16.1.1 ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate2 Input Message

The ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate2_InputMessage **WSDL message** contains the request for the ExecuteSPGetDeploymentsByUpdate2 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDeploymentsByUpdate2Request
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate2_InputMessage">
  <wsdl:part name="ExecuteSPGetDeploymentsByUpdate2"
element="tns:ExecuteSPGetDeploymentsByUpdate2"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.16.2.1.

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3.1.4.16.1.2 ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate2 Output Message

The ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate2_OutputMessage **WSDL message** contains the response for the ExecuteSPGetDeploymentsByUpdate2 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDeploymentsByUpdate2Response
<wsdl:message name="ApiRemotingSoap ExecuteSPGetDeploymentsByUpdate2 OutputMessage">
  <wsdl:part name="ExecuteSPGetDeploymentsByUpdate2Response"
element="tns:ExecuteSPGetDeploymentsByUpdate2Response"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.16.2.2.

3.1.4.16.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetDeploymentsByUpdate2	Contains the body for the request of the ExecuteSPGetDeploymentsByUpdate2 **WSDL operation**.
ExecuteSPGetDeploymentsByUpdate2Response	Contains the body for the response of the ExecuteSPGetDeploymentsByUpdat2 WSDL operation.

3.1.4.16.2.1 ExecuteSPGetDeploymentsByUpdate2

This element contains the body of the request for the ExecuteSPGetDeploymentsByUpdate2 **WSDL operation**. The format is defined in section 3.1.4.16.3.1.

```
<xsd:element name="ExecuteSPGetDeploymentsByUpdate2" nillable="true"
type="tns:ExecuteSPGetDeploymentsByUpdate2RequestBody"/>
```

3.1.4.16.2.2 ExecuteSPGetDeploymentsByUpdate2Response

This element contains the body of the response for the ExecuteSPGetDeploymentsByUpdate2 **WSDL operation**. The format is defined in section 3.1.4.16.3.2.

```
<xsd:element name="ExecuteSPGetDeploymentsByUpdate2Response" nillable="true"
type="tns:ExecuteSPGetDeploymentsByUpdate2ResponseBody"/>
```

3.1.4.16.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetDeploymentsByUpdate2RequestBody	Specifies the revision of an update and the targeted computer group.

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Complex type	Description
ExecuteSPGetDeploymentsByUpdate2ResponseBody	Contains information about all deployments associated with the specified update and computer group.

3.1.4.16.3.1 ExecuteSPGetDeploymentsByUpdate2RequestBody

Specifies the revision of an update and the targeted computer group.

```
<xsd:complexType name="ExecuteSPGetDeploymentsByUpdate2">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true" type="
s1:guid"/>
  </xsd:sequence>
</xsd:complexType>
```

id: This field MUST be present. It specifies the revision of the update for which associated deployments will be returned, if any. The format of this field is defined in section 2.2.4.15.

targetGroupId: This field MUST be present. It contains the **GUID** of a computer group to which the deployment is targeted.

3.1.4.16.3.2 ExecuteSPGetDeploymentsByUpdate2ResponseBody

Contains information about all deployments associated with the specified update and computer group.

```
<xsd:complexType name="ExecuteSPGetDeploymentsByUpdate2ResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetDeploymentsByUpdate2Result"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetDeploymentsByUpdate2Result: This field MUST be present. It represents information about all deployments that are associated with the specified update and computer group. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.3.1.

3.1.4.17 ExecuteSPGetDeploymentsByUpdate3

The **ExecuteSPGetDeploymentsByUpdate3** **WSDL operation** retrieves information about all deployments that meet the specified criteria.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetDeploymentsByUpdate3">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDeploymentsByUpdate3Request"
```


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```
name="ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate3_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetDeploymentsByUpdate3 InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDeploymentsByUpdate3Response"
name="ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate3_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate3_OutputMessage"/>
</wsdl:operation>
```

3.1.4.17.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate3_InputMessage	A WSDL message containing the request for the ExecuteSPGetDeploymentsByUpdate3 **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate3_OutputMessage	A WSDL message containing the response for the ExecuteSPGetDeploymentsByUpdate3 WSDL operation.

3.1.4.17.1.1 ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate3 Input Message

The ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate3_InputMessage **WSDL message** contains the request for the ExecuteSPGetDeploymentsByUpdate3 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDeploymentsByUpdate3Request
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate3_InputMessage">
  <wsdl:part name="ExecuteSPGetDeploymentsByUpdate3"
element="tns:ExecuteSPGetDeploymentsByUpdate3"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.17.2.1.

3.1.4.17.1.2 ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate3 Output Message

The ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate3_OutputMessage **WSDL message** contains the response for the ExecuteSPGetDeploymentsByUpdate3 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDeploymentsByUpdate3Response
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetDeploymentsByUpdate3_OutputMessage">
  <wsdl:part name="ExecuteSPGetDeploymentsByUpdate3Response"
element="tns:ExecuteSPGetDeploymentsByUpdate3Response"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.17.2.2.

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3.1.4.17.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetDeploymentsByUpdate3	Contains the body for the request of the ExecuteSPGetDeploymentsByUpdate3 **WSDL operation**.
ExecuteSPGetDeploymentsByUpdate3Response	Contains the body for the response of the ExecuteSPGetDeploymentsByUpdate3 WSDL operation.

3.1.4.17.2.1 ExecuteSPGetDeploymentsByUpdate3

This element contains the body of the request for the ExecuteSPGetDeploymentsByUpdate3 **WSDL operation**. The format is defined in section 3.1.4.17.3.1.

```
<xsd:element name="ExecuteSPGetDeploymentsByUpdate3" nillable="true"
type="tns:ExecuteSPGetDeploymentsByUpdate3RequestBody"/>
```

3.1.4.17.2.2 ExecuteSPGetDeploymentsByUpdate3Response

This element contains the body of the response for the ExecuteSPGetDeploymentsByUpdate3 **WSDL operation**. The format is defined in section 3.1.4.17.3.2.

```
<xsd:element name="ExecuteSPGetDeploymentsByUpdate3Response" nillable="true"
type="tns:ExecuteSPGetDeploymentsByUpdate3ResponseBody"/>
```

3.1.4.17.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetDeploymentsByUpdate3RequestBody	Specifies criteria for the deployments.
ExecuteSPGetDeploymentsByUpdate3ResponseBody	Contains information about all deployments that match the specified criteria.

3.1.4.17.3.1 ExecuteSPGetDeploymentsByUpdate3RequestBody

Specifies criteria for the deployments.

```
<xsd:complexType name="ExecuteSPGetDeploymentsByUpdate3">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="deploymentAction" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="fromDeploymentDate" type="xsd:dateTime"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="toDeploymentDate" type="xsd:dateTime"/>
  </xsd:sequence>
</xsd:complexType>
```


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deploymentAction: This field MUST be present. It contains the type of deployment to be returned. The specified value SHOULD follow those defined in section 2.2.5.3. In addition, the value 2147483647 can be specified to indicate that deployments of any type can be retrieved.

fromDeploymentDate: This field MUST be present. It defines the beginning of a time range to retrieve only those deployments that were create on that date or later. The time MUST be specified in **UTC**. The format of the string is defined in [ISO/IEC-9075-2-2008].

id: This field MUST be present. It specifies the revision of the update for which associated deployments will be returned, if any. The format of this field is defined in section 2.2.4.15.

targetGroupId: This field MUST be present. It contains the **GUID** of a computer group at which the deployment is targeted.

toDeploymentDate: This field MUST be present. It defines the end of a time range to retrieve only those deployments that were created on that date or before. The time MUST be specified in UTC. The format of the string is defined in [ISO/IEC-9075-2-2008].

3.1.4.17.3.2 ExecuteSPGetDeploymentsByUpdate3ResponseBody

Contains information about all deployments that match the specified criteria.

```
<xsd:complexType name="ExecuteSPGetDeploymentsByUpdate3ResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetDeploymentsByUpdate3Result"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetDeploymentsByUpdate3Result: This field MUST be present. It represents information about all deployments that are associated with the specified update and computer group. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.3.1.

3.1.4.18 ExecuteSPGetDeployments

The ExecuteSPGetDeployments **WSDL operation** retrieves information about all deployments for updates that match the specified search criteria.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetDeployments">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDeploymentsRequest"
name="ApiRemotingSoap_ExecuteSPGetDeployments_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetDeployments_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDeploymentsResponse"
name="ApiRemotingSoap_ExecuteSPGetDeployments_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetDeployments_OutputMessage"/>
</wsdl:operation>
```

3.1.4.18.1 Messages

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This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetDeployments_InputMessage	A WSDL message containing the request for the ExecuteSPGetDeployments **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetDeployments_OutputMessage	A WSDL message containing the response for the ExecuteSPGetDeployments WSDL operation.

3.1.4.18.1.1 ApiRemotingSoap_ExecuteSPGetDeployments Input Message

The ApiRemotingSoap_ExecuteSPGetDeployments_InputMessage **WSDL message** contains the request for the ExecuteSPGetDeployments **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDeploymentsRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetDeployments_InputMessage">
  <wsdl:part name="ExecuteSPGetDeployments" element="tns:ExecuteSPGetDeployments"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.18.2.1.

3.1.4.18.1.2 ApiRemotingSoap_ExecuteSPGetDeployments Output Message

The ApiRemotingSoap_ExecuteSPGetDeployments_OutputMessage **WSDL message** contains the response for the ExecuteSPGetDeployments **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDeploymentsResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetDeployments_OutputMessage">
  <wsdl:part name="ExecuteSPGetDeploymentsResponse"
element="tns:ExecuteSPGetDeploymentsResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.18.2.2.

3.1.4.18.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetDeployments	Contains the body for the request of the ExecuteSPGetDeployments **WSDL operation**.
ExecuteSPGetDeploymentsResponse	Contains the body for the response of the ExecuteSPGetDeployments WSDL operation.

3.1.4.18.2.1 ExecuteSPGetDeployments

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This element contains the body of the request for the ExecuteSPGetDeployments **WSDL operation**. The format is defined in section 3.1.4.18.3.1.

```
<xsd:element name="ExecuteSPGetDeployments" nillable="true"
type="tns:ExecuteSPGetDeploymentsRequestBody"/>
```

3.1.4.18.2.2 ExecuteSPGetDeploymentsResponse

This element contains the body of the response for the ExecuteSPGetDeployments **WSDL operation**. The format is defined in section 3.1.4.18.3.2.

```
<xsd:element name="ExecuteSPGetDeploymentsResponse" nillable="true"
type="tns:ExecuteSPGetDeploymentsResponseBody"/>
```

3.1.4.18.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetDeploymentsRequestBody	Contains the search criteria.
ExecuteSPGetDeploymentsResponseBody	Contains information about all deployments for updates that match the specified search criteria.

3.1.4.18.3.1 ExecuteSPGetDeploymentsRequestBody

Contains the search criteria.

```
<xsd:complexType name="ExecuteSPGetDeployments">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateScopeXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="publicationState" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] to denote a preferred language in which to return results. The WSUS server SHOULD return results in the default language, if the preferred language is not available.

publicationState: This field MUST be present. It specifies the state updates need to be included in the search for deployments. The value MUST be one from the following table.

Value	Meaning
0	The update is published to the WSUS server and is valid.
1	The update is expired.

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Value	Meaning
2	The update is pending test verification. This value SHOULD be used only in conjunction with local publishing.
2147483647	The update can have any state.

updateScopeXml: This field MUST be present. It denotes the search criteria for updates for which deployment information is gathered. The string contains an XML fragment that comprises the UpdateScope (section 2.2.3.1).

3.1.4.18.3.2 ExecuteSPGetDeploymentsResponseBody

Contains information about all deployments for updates that match the specified search criteria.

```
<xsd:complexType name="ExecuteSPGetDeploymentsResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetDeploymentsResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetDeploymentsResult: This field MUST be present. It represents information about all deployments that are associated with the specified updates. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.3.1.

3.1.4.19 ExecuteSPDeleteDeployment

The ExecuteSPDeleteDeployment **WSDL operation** deletes the specified deployment.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPDeleteDeployment">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeleteDeploymentRequest"
name="ApiRemotingSoap_ExecuteSPDeleteDeployment_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPDeleteDeployment InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeleteDeploymentResponse"
name="ApiRemotingSoap ExecuteSPDeleteDeployment OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPDeleteDeployment OutputMessage"/>
</wsdl:operation>
```

3.1.4.19.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPDeleteDeployment_InputMessage	A WSDL message containing the request for the ExecuteSPDeleteDeployment **WSDL operation**.

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Message	Description
ApiRemotingSoap_ExecuteSPDeleteDeployment_OutputMessage	A WSDL message containing the response for the ExecuteSPDeleteDeployment WSDL operation.

3.1.4.19.1.1 ApiRemotingSoap_ExecuteSPDeleteDeployment Input Message

The ApiRemotingSoap_ExecuteSPDeleteDeployment_InputMessage **WSDL message** contains the request for the ExecuteSPDeleteDeployment **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeleteDeploymentRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPDeleteDeployment InputMessage">
  <wsdl:part name="ExecuteSPDeleteDeployment" element="tns:ExecuteSPDeleteDeployment"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.19.2.1.

3.1.4.19.1.2 ApiRemotingSoap_ExecuteSPDeleteDeployment Output Message

The ApiRemotingSoap_ExecuteSPDeleteDeployment_OutputMessage **WSDL message** contains the response for the ExecuteSPDeleteDeployment **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeleteDeploymentResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPDeleteDeployment OutputMessage">
  <wsdl:part name="ExecuteSPDeleteDeploymentResponse"
element="tns:ExecuteSPDeleteDeploymentResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.19.2.2.

3.1.4.19.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPDeleteDeployment	Contains the body for the request of the ExecuteSPDeleteDeployment **WSDL operation**.
ExecuteSPDeleteDeploymentResponse	Contains the body for the response of the ExecuteSPDeleteDeployment WSDL operation.

3.1.4.19.2.1 ExecuteSPDeleteDeployment

This element contains the body of the request for the **ExecuteSPDeleteDeployment WSDL operation**. The format is defined in section 3.1.4.19.3.1.

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```
<xsd:element name="ExecuteSPDeleteDeployment" nillable="true"
type="tns:ExecuteSPDeleteDeploymentRequestBody"/>
```

3.1.4.19.2.2 ExecuteSPDeleteDeploymentResponse

This element contains the body of the response for the **ExecuteSPDeleteDeployment** **WSDL operation**. The format is defined in section 3.1.4.19.3.2.

```
<xsd:element name="ExecuteSPDeleteDeploymentResponse" nillable="true"
type="q1:ExecuteSPDeleteDeploymentResponseBody"/>
```

3.1.4.19.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPDeleteDeploymentRequestBody	Specifies the deployment and name of the administrator who approved the delete operation.
ExecuteSPDeleteDeploymentResponseBody	This complex type does not contain any data.

3.1.4.19.3.1 ExecuteSPDeleteDeploymentRequestBody

Specifies the deployment and name of the administrator, who approved the delete operation.

```
<xsd:complexType name="ExecuteSPDeleteDeploymentRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="id" nillable="true" type="s1:guid "/>
    <xsd:element minOccurs="0" maxOccurs="1" name="adminName" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

adminName: This field MUST be present. It represents the name of an administrator who approved the delete operation. The name SHOULD follow the domain\username format.

id: This field MUST be present. It contains the **GUID** of the deployment that is to be deleted.

3.1.4.19.3.2 ExecuteSPDeleteDeploymentResponseBody

This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPDeleteDeploymentResponseBody"/>
```

3.1.4.20 ExecuteReplicaSPDeleteDeployment

The ExecuteReplicaSPDeleteDeployment **WSDL operation** deletes a deployment as part of a replica synchronization. It SHOULD NOT be used to delete a deployment outside of the replica synchronization protocol.

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This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteReplicaSPDeleteDeployment">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteReplicaSPDeleteDeploymentRequest"
name="ApiRemotingSoap_ExecuteReplicaSPDeleteDeployment_InputMessage"
message="tns:ApiRemotingSoap_ExecuteReplicaSPDeleteDeployment_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteReplicaSPDeleteDeploymentResponse"
name="ApiRemotingSoap ExecuteReplicaSPDeleteDeployment OutputMessage"
message="tns:ApiRemotingSoap_ExecuteReplicaSPDeleteDeployment_OutputMessage"/>
</wsdl:operation>
```

3.1.4.20.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteReplicaSPDeleteDeployment_InputMessage	A WSDL message containing the request for the **ExecuteReplicaSPDeleteDeployment WSDL operation**.
ApiRemotingSoap_ExecuteReplicaSPDeleteDeployment_OutputMessage	A WSDL message containing the response for the **ExecuteReplicaSPDeleteDeployment** WSDL operation.

3.1.4.20.1.1 ApiRemotingSoap_ExecuteReplicaSPDeleteDeployment Input Message

The **ApiRemotingSoap_ExecuteReplicaSPDeleteDeployment_InputMessage WSDL message** contains the request for the **ExecuteReplicaSPDeleteDeployment WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteReplicaSPDeleteDeploymentRequest
<wsdl:message name="ApiRemotingSoap_ExecuteReplicaSPDeleteDeployment_InputMessage">
  <wsdl:part name="ExecuteReplicaSPDeleteDeployment"
element="tns:ExecuteReplicaSPDeleteDeployment"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.20.2.1.

3.1.4.20.1.2 ApiRemotingSoap_ExecuteReplicaSPDeleteDeployment Output Message

The **ApiRemotingSoap_ExecuteReplicaSPDeleteDeployment_OutputMessage WSDL message** contains the response for the **ExecuteReplicaSPDeleteDeployment WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteReplicaSPDeleteDeploymentResponse
<wsdl:message name="ApiRemotingSoap_ExecuteReplicaSPDeleteDeployment_OutputMessage">
```


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```
  <wsdl:part name="ExecuteReplicaSPDeleteDeploymentResponse"
element="tns:ExecuteReplicaSPDeleteDeploymentResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.20.2.2.

3.1.4.20.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteReplicaSPDeleteDeployment	Contains the body for the request of the **ExecuteReplicaSPDeleteDeployment WSDL operation**.
ExecuteReplicaSPDeleteDeploymentResponse	This element does not contain any data.

3.1.4.20.2.1 ExecuteReplicaSPDeleteDeployment

Contains the body for the request of the ExecuteReplicaSPDeleteDeployment **WSDL operation**.

```
<xsd:element name="ExecuteReplicaSPDeleteDeployment" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

id: This field MUST be present. It contains the **GUID** of the deployment that is deleted.

3.1.4.20.2.2 ExecuteReplicaSPDeleteDeploymentResponse

This element does not contain any data.

```
<xsd:element name="ExecuteReplicaSPDeleteDeploymentResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.21 ExecuteSPRefreshDeployments

The ExecuteSPRefreshDeployments **WSDL operation** moves the specified deployment to the latest revision of each associated update.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPRefreshDeployments">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPRefreshDeploymentsRequest"
name="ApiRemotingSoap ExecuteSPRefreshDeployments InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPRefreshDeployments_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
```


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```
motingSoap/ExecuteSPRefreshDeploymentsResponse"
name="ApiRemotingSoap ExecuteSPRefreshDeployments OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPRefreshDeployments OutputMessage"/>
</wsdl:operation>
```

3.1.4.21.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPRefreshDeployments_InputMessage	A WSDL message containing the request for the ExecuteSPRefreshDeployments **WSDL operation**.
ApiRemotingSoap_ExecuteSPRefreshDeployments_OutputMessage	A WSDL message containing the response for the ExecuteSPRefreshDeployments WSDL operation.

3.1.4.21.1.1 ApiRemotingSoap_ExecuteSPRefreshDeployments Input Message

The ApiRemotingSoap_ExecuteSPRefreshDeployments_InputMessage **WSDL message** contains the request for the ExecuteSPRefreshDeployments **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPRefreshDeploymentsRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPRefreshDeployments_InputMessage">
  <wsdl:part name="ExecuteSPRefreshDeployments" element="tns:ExecuteSPRefreshDeployments"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.21.2.1.

3.1.4.21.1.2 ApiRemotingSoap_ExecuteSPRefreshDeployments Output Message

The ApiRemotingSoap_ExecuteSPRefreshDeployments_OutputMessage **WSDL message** contains the response for the ExecuteSPRefreshDeployments **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPRefreshDeploymentsResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPRefreshDeployments_OutputMessage">
  <wsdl:part name="ExecuteSPRefreshDeploymentsResponse"
element="tns:ExecuteSPRefreshDeploymentsResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.21.2.2.

3.1.4.21.2 Elements

This operation includes the following WSDL elements.

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Element	Description
ExecuteSPRefreshDeployments	Contains the identifier of the deployment.
ExecuteSPRefreshDeploymentsResponse	This element does not contain any data.

3.1.4.21.2.1 ExecuteSPRefreshDeployments

Contains the identifier of the deployment.

```
<xsd:element name="ExecuteSPRefreshDeployments" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

updateId: This field MUST be present. It represents the GUID of the deployment, which will be transferred to the latest revision for each of its associated updates.

3.1.4.21.2.2 ExecuteSPRefreshDeploymentsResponse

This element does not contain any data.

```
<xsd:element name="ExecuteSPRefreshDeploymentsResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.22 ExecuteSPGetTargetGroupById

The ExecuteSPGetTargetGroupById **WSDL operation** retrieves information about the specified computer **target group**.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetTargetGroupById">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTargetGroupByIdRequest"
name="ApiRemotingSoap_ExecuteSPGetTargetGroupById_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetTargetGroupById InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTargetGroupByIdResponse"
name="ApiRemotingSoap ExecuteSPGetTargetGroupById OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetTargetGroupById OutputMessage"/>
</wsdl:operation>
```

3.1.4.22.1 Messages

This operation includes the following **WSDL messages**.

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Message	Description
ApiRemotingSoap_ExecuteSPGetTargetGroupById_InputMessage	A WSDL message containing the request for the ExecuteSPGetTargetGroupById **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetTargetGroupById_OutputMessage	A WSDL message containing the response for the ExecuteSPGetTargetGroupById WSDL operation.

3.1.4.22.1.1 ApiRemotingSoap_ExecuteSPGetTargetGroupById Input Message

The ApiRemotingSoap_ExecuteSPGetTargetGroupById_InputMessage **WSDL message** contains the request for the ExecuteSPGetTargetGroupById **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTargetGroupByIdRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetTargetGroupById_InputMessage">
  <wsdl:part name="ExecuteSPGetTargetGroupById" element="tns:ExecuteSPGetTargetGroupById"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.22.2.1.

3.1.4.22.1.2 ApiRemotingSoap_ExecuteSPGetTargetGroupById Output Message

The ApiRemotingSoap_ExecuteSPGetTargetGroupById_OutputMessage **WSDL message** contains the response for the ExecuteSPGetTargetGroupById **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTargetGroupByIdResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPGetTargetGroupById OutputMessage">
  <wsdl:part name="ExecuteSPGetTargetGroupByIdResponse"
element="tns:ExecuteSPGetTargetGroupByIdResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.22.2.2.

3.1.4.22.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetTargetGroupById	Contains the body for the request of the ExecuteSPGetTargetGroupById **WSDL operation**.
ExecuteSPGetTargetGroupByIdResponse	Contains the body for the response of the ExecuteSPGetTargetGroupById WSDL operation.

3.1.4.22.2.1 ExecuteSPGetTargetGroupById

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This element contains the body of the request for the ExecuteSPGetTargetGroupById **WSDL operation**. The format is defined in section 3.1.4.22.3.1.

```
<xsd:element name="ExecuteSPGetTargetGroupById" nillable="true"
type="tns:ExecuteSPGetTargetGroupByIdRequestBody"/>
```

3.1.4.22.2.2 ExecuteSPGetTargetGroupByIdResponse

This element contains the body of the response for the ExecuteSPGetTargetGroupById **WSDL operation**. The format is defined in section 3.1.4.22.3.2.

```
<xsd:element name="ExecuteSPGetTargetGroupByIdResponse" nillable="true"
type="tns:ExecuteSPGetTargetGroupByIdResponseBody"/>
```

3.1.4.22.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetTargetGroupByIdRequestBody	Specifies the computer **target group**.
ExecuteSPGetTargetGroupByIdResponseBody	Contains information about the specified target group.

3.1.4.22.3.1 ExecuteSPGetTargetGroupByIdRequestBody

Specifies the computer **target group**.

```
<xsd:complexType name="ExecuteSPGetTargetGroupByIdRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

id: This field MUST be present. It contains the **GUID** of a computer target group, for which information will be retrieved.

3.1.4.22.3.2 ExecuteSPGetTargetGroupByIdResponseBody

Contains information about the specified **target group**.

```
<xsd:complexType name="ExecuteSPGetTargetGroupByIdResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetTargetGroupByIdResult"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetTargetGroupByIdResult: This field MUST be present. It contains information about the specified computer target group. The format of the complex type is defined in section 2.2.4.12. Items in that array SHOULD be interpreted as follows:

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Index	Name	Type	Description
0	TypeName	**String**	This field MUST NOT be NULL. It describes the type of the target group. For any user-created target group, the value SHOULD be "Computers".
1	Name	**String**	This field MUST NOT be NULL. It contains the name of the target group.
2	ID	**GUID**	This field MUST NOT be empty. It contains the GUID of the target group.

3.1.4.23 ExecuteSPGetTargetGroupsForComputer

The ExecuteSPGetTargetGroupsForComputer WSDL operation returns information about all computer **target groups** that are associated with a specified computer.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetTargetGroupsForComputer">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTargetGroupsForComputerRequest"
name="ApiRemotingSoap ExecuteSPGetTargetGroupsForComputer InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetTargetGroupsForComputer_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTargetGroupsForComputerResponse"
name="ApiRemotingSoap_ExecuteSPGetTargetGroupsForComputer_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetTargetGroupsForComputer_OutputMessage"/>
</wsdl:operation>
```

3.1.4.23.1 Messages

This operation includes the following WSDL messages.

Message	Description
ApiRemotingSoap_ExecuteSPGetTargetGroupsForComputer_InputMessage	A **WSDL message** containing the request for the ExecuteSPGetTargetGroupsForComputer **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetTargetGroupsForComputer_OutputMessage	A WSDL message containing the response for the ExecuteSPGetTargetGroupsForComputer WSDL operation.

3.1.4.23.1.1 ApiRemotingSoap_ExecuteSPGetTargetGroupsForComputer Input Message

The ApiRemotingSoap_ExecuteSPGetTargetGroupsForComputer_InputMessage **WSDL message** contains the request for the ExecuteSPGetTargetGroupsForComputer **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTargetGroupsForComputerRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetTargetGroupsForComputer_InputMessage">
```


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```
  <wsdl:part name="ExecuteSPGetTargetGroupsForComputer"
element="tns:ExecuteSPGetTargetGroupsForComputer"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.23.2.1.

3.1.4.23.1.2 ApiRemotingSoap_ExecuteSPGetTargetGroupsForComputer Output Message

The ApiRemotingSoap_ExecuteSPGetTargetGroupsForComputer_OutputMessage **WSDL message** contains the response for the ExecuteSPGetTargetGroupsForComputer **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTargetGroupsForComputerResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPGetTargetGroupsForComputer OutputMessage">
  <wsdl:part name="ExecuteSPGetTargetGroupsForComputerResponse"
element="tns:ExecuteSPGetTargetGroupsForComputerResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.23.2.2.

3.1.4.23.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetTargetGroupsForComputer	Contains the body for the request of the ExecuteSPGetTargetGroupsForComputer **WSDL operation**.
ExecuteSPGetTargetGroupsForComputerResponse	Contains the body for the response of the ExecuteSPGetTargetGroupsForComputer WSDL operation.

3.1.4.23.2.1 ExecuteSPGetTargetGroupsForComputer

This element contains the body of the request for the ExecuteSPGetTargetGroupsForComputer **WSDL operation**. The format is defined in section 3.1.4.23.3.1.

```
<xsd:element name="ExecuteSPGetTargetGroupsForComputer" nillable="true"
type="tns:ExecuteSPGetTargetGroupsForComputerRequestBody"/>
```

3.1.4.23.2.2 ExecuteSPGetTargetGroupsForComputerResponse

This element contains the body of the response for the ExecuteSPGetTargetGroupsForComputer **WSDL operation**. The format is defined in section 3.1.4.23.3.2.

```
<xsd:element name="ExecuteSPGetTargetGroupsForComputerResponse" nillable="true"
type="tns:ExecuteSPGetTargetGroupsForComputerResponseBody"/>
```

3.1.4.23.3 Complex Types

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This operation includes the following complex types.

Complex type	Description
ExecuteSPGetTargetGroupsForComputerRequestBody	Specifies the name of the computer.
ExecuteSPGetTargetGroupsForComputerResponseBody	Contains information about the target groups the specified computer belongs to.

3.1.4.23.3.1 ExecuteSPGetTargetGroupsForComputerRequestBody

Specifies the name of the computer.

```
<xsd:complexType name="ExecuteSPGetTargetGroupsForComputerRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

computerId: This field MUST be present. It contains the unique name of the computer. The ComputerId simple type is defined in section 2.2.5.4.

3.1.4.23.3.2 ExecuteSPGetTargetGroupsForComputerResponseBody

Contains information about the **target groups** to which the specified computer belongs.

```
<xsd:complexType name="ExecuteSPGetTargetGroupsForComputerResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetTargetGroupsForComputerResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetTargetGroupsForComputerResult: This field MUST be present. It represents information about all target groups the specified computer belongs to. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.3.1. The computer target group type name MUST be "Computers" and every computer MUST at least be part of the "All Computers" computer target group, irrespective of what other group it belongs to.

3.1.4.24 ExecuteSPGetChildTargetGroups

The ExecuteSPGetChildTargetGroups WSDL operation retrieves information about all **target groups** that are subordinate to the specified target group.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetChildTargetGroups">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetChildTargetGroupsRequest"
name="ApiRemotingSoap_ExecuteSPGetChildTargetGroups_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetChildTargetGroups_InputMessage"/>
```


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```
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetChildTargetGroupsResponse"
name="ApiRemotingSoap_ExecuteSPGetChildTargetGroups_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetChildTargetGroups_OutputMessage"/>
</wsdl:operation>
```

3.1.4.24.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetChildTargetGroups_InputMessage	A WSDL message containing the request for the ExecuteSPGetChildTargetGroups **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetChildTargetGroups_OutputMessage	A WSDL message containing the response for the ExecuteSPGetChildTargetGroups WSDL operation.

3.1.4.24.1.1 ApiRemotingSoap_ExecuteSPGetChildTargetGroups Input Message

The ApiRemotingSoap_ExecuteSPGetChildTargetGroups_InputMessage **WSDL message** contains the request for the ExecuteSPGetChildTargetGroups **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetChildTargetGroupsRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetChildTargetGroups_InputMessage">
  <wsdl:part name="ExecuteSPGetChildTargetGroups"
element="tns:ExecuteSPGetChildTargetGroups"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.24.2.1.

3.1.4.24.1.2 ApiRemotingSoap_ExecuteSPGetChildTargetGroups Output Message

The ApiRemotingSoap_ExecuteSPGetChildTargetGroups_OutputMessage **WSDL message** contains the response for the ExecuteSPGetChildTargetGroups **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetChildTargetGroupsResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetChildTargetGroups_OutputMessage">
  <wsdl:part name="ExecuteSPGetChildTargetGroupsResponse"
element="tns:ExecuteSPGetChildTargetGroupsResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.24.2.2.

3.1.4.24.2 Elements

This operation includes the following WSDL elements.

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Element	Description
ExecuteSPGetChildTargetGroups	Contains the body for the request of the ExecuteSPGetChildTargetGroups **WSDL operation**.
ExecuteSPGetChildTargetGroupsResponse	Contains the body for the response of the ExecuteSPGetChildTargetGroups WSDL operation.

3.1.4.24.2.1 ExecuteSPGetChildTargetGroups

This element contains the body of the request for the ExecuteSPGetChildTargetGroups **WSDL operation**. The format is defined in section 3.1.4.24.3.1.

```
<xsd:element name="ExecuteSPGetChildTargetGroups" nillable="true"
type="tns:ExecuteSPGetChildTargetGroupsRequestBody"/>
```

3.1.4.24.2.2 ExecuteSPGetChildTargetGroupsResponse

This element contains the body of the response for the ExecuteSPGetChildTargetGroups **WSDL operation**. The format is defined in section 3.1.4.24.3.2.

```
<xsd:element name="ExecuteSPGetChildTargetGroupsResponse" nillable="true"
type="tns:ExecuteSPGetChildTargetGroupsResponseBody"/>
```

3.1.4.24.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetChildTargetGroupsRequestBody	Contains the identifier for the parent **target group**.
ExecuteSPGetChildTargetGroupsResponseBody	Contains information about all associated child target groups.

3.1.4.24.3.1 ExecuteSPGetChildTargetGroupsRequestBody

Contains the identifier for the parent **target group**.

```
<xsd:complexType name="ExecuteSPGetChildTargetGroups">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true" type="
s1:guid"/>
  </xsd:sequence>
</xsd:complexType>
```

targetGroupId: This field MUST be present. It contains the GUID of the parent target group.

3.1.4.24.3.2 ExecuteSPGetChildTargetGroupsResponseBody

Contains information about all associated child **target groups**.

```
<xsd:complexType name="ExecuteSPGetChildTargetGroupsResponseBody">
```


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```
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetChildTargetGroupsResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetChildTargetGroupsResult: This field MUST be present. It represents information about all child target groups associated with the specified parent target group. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.3.1.

3.1.4.25 ExecuteSPGetParentTargetGroup

The ExecuteSPGetParentTargetGroup WSDL operation retrieves information about the parent **target group** in the hierarchy of target groups for a specified target group.

The target group hierarchy has exactly one root target group, the "All Computers" computer target group. By definition, this group does not have a parent target group. This operation MUST NOT be invoked for this particular group.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetParentTargetGroup">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetParentTargetGroupRequest"
name="ApiRemotingSoap ExecuteSPGetParentTargetGroup InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetParentTargetGroup_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetParentTargetGroupResponse"
name="ApiRemotingSoap_ExecuteSPGetParentTargetGroup_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetParentTargetGroup OutputMessage"/>
</wsdl:operation>
```

3.1.4.25.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetParentTargetGroup_InputMessage	A WSDL message containing the request for the ExecuteSPGetParentTargetGroup **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetParentTargetGroup_OutputMessage	A WSDL message containing the response for the ExecuteSPGetParentTargetGroup WSDL operation.

3.1.4.25.1.1 ApiRemotingSoap_ExecuteSPGetParentTargetGroup Input Message

The ApiRemotingSoap_ExecuteSPGetParentTargetGroup_InputMessage **WSDL message** contains the request for the ExecuteSPGetParentTargetGroup **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetParentTargetGroupRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetParentTargetGroup_InputMessage">
  <wsdl:part name="ExecuteSPGetParentTargetGroup"
element="tns:ExecuteSPGetParentTargetGroup"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.25.2.1.

3.1.4.25.1.2 ApiRemotingSoap_ExecuteSPGetParentTargetGroup Output Message

The ApiRemotingSoap_ExecuteSPGetParentTargetGroup_OutputMessage **WSDL message** contains the response for the ExecuteSPGetParentTargetGroup **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetParentTargetGroupResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetParentTargetGroup_OutputMessage">
  <wsdl:part name="ExecuteSPGetParentTargetGroupResponse"
element="tns:ExecuteSPGetParentTargetGroupResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.25.2.2.

3.1.4.25.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetParentTargetGroup	Contains the body for the request of the ExecuteSPGetParentTargetGroup **WSDL operation**.
ExecuteSPGetParentTargetGroupResponse	Contains the body for the response of the ExecuteSPGetParentTargetGroup WSDL operation.

3.1.4.25.2.1 ExecuteSPGetParentTargetGroup

This element contains the body of the request for the ExecuteSPGetParentTargetGroup **WSDL operation**. The format is defined in section 3.1.4.25.3.1.

```
<xsd:element name="ExecuteSPGetParentTargetGroup" nillable="true"
type="tns:ExecuteSPGetParentTargetGroupRequestBody"/>
```

3.1.4.25.2.2 ExecuteSPGetParentTargetGroupResponse

This element contains the body of the response for the ExecuteSPGetParentTargetGroup **WSDL operation**. The format is defined in section 3.1.4.25.3.2.

```
<xsd:element name="ExecuteSPGetParentTargetGroupResponse" nillable="true"
type="tns:ExecuteSPGetParentTargetGroupResponseBody"/>
```


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3.1.4.25.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetParentTargetGroupRequestBody	Contains the identifier of the computer **target group** for which the parent target group is retrieved.
ExecuteSPGetParentTargetGroupResponseBody	Contains information about the parent target group.

3.1.4.25.3.1 ExecuteSPGetParentTargetGroupRequestBody

Contains the identifier of the computer **target group** for which the parent target group is retrieved.

```
<xsd:complexType name="ExecuteSPGetParentTargetGroup">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true" type="
s1:guid "/>
  </xsd:sequence>
</xsd:complexType>
```

targetGroupId: This field MUST be specified. It contains the GUID of the target group for which information about the parent target group is retrieved. This field MUST NOT specify the "All Computers" target group.

3.1.4.25.3.2 ExecuteSPGetParentTargetGroupResponseBody

Contains information about the parent **target group**.

```
<xsd:complexType name="ExecuteSPGetParentTargetGroupResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetParentTargetGroupResult"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetParentTargetGroupResult: This field MUST be present. It contains information about the specified computer target group. The data type is a GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.12.1.5.

3.1.4.26 ExecuteSPGetAllTargetGroups

The ExecuteSPGetAllTargetGroups **WSDL operation** returns information about all **target groups** that are stored in the database.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetAllTargetGroups">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetAllTargetGroupsRequest"
name="ApiRemotingSoap ExecuteSPGetAllTargetGroups InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetAllTargetGroups_InputMessage"/>
```


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```
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetAllTargetGroupsResponse"
name="ApiRemotingSoap_ExecuteSPGetAllTargetGroups_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetAllTargetGroups_OutputMessage"/>
</wsdl:operation>
```

3.1.4.26.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetAllTargetGroups_InputMessage	A WSDL message containing the request for the ExecuteSPGetAllTargetGroups **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetAllTargetGroups_OutputMessage	A WSDL message containing the response for the ExecuteSPGetAllTargetGroups WSDL operation.

3.1.4.26.1.1 ApiRemotingSoap_ExecuteSPGetAllTargetGroups Input Message

The ApiRemotingSoap_ExecuteSPGetAllTargetGroups_InputMessage **WSDL message** contains the request for the ExecuteSPGetAllTargetGroups **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetAllTargetGroupsRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetAllTargetGroups_InputMessage">
  <wsdl:part name="ExecuteSPGetAllTargetGroups" element="tns:ExecuteSPGetAllTargetGroups"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.26.2.1.

3.1.4.26.1.2 ApiRemotingSoap_ExecuteSPGetAllTargetGroups Output Message

The ApiRemotingSoap_ExecuteSPGetAllTargetGroups_OutputMessage **WSDL message** contains the response for the ExecuteSPGetAllTargetGroups **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetAllTargetGroupsResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetAllTargetGroups_OutputMessage">
  <wsdl:part name="ExecuteSPGetAllTargetGroupsResponse"
element="tns:ExecuteSPGetAllTargetGroupsResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.26.2.2.

3.1.4.26.2 Elements

This operation includes the following WSDL elements.

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Element	Description
ExecuteSPGetAllTargetGroups	Contains the body for the request of the ExecuteSPGetAllTargetGroups **WSDL operation**.
ExecuteSPGetAllTargetGroupsResponse	Contains the body for the response of the ExecuteSPGetAllTargetGroups WSDL operation.

3.1.4.26.2.1 ExecuteSPGetAllTargetGroups

This element contains the body of the request for the ExecuteSPGetAllTargetGroups **WSDL operation**. The format is defined in section 3.1.4.26.3.1.

```
<xsd:element name="ExecuteSPGetAllTargetGroups" nillable="true"
type="q1:ExecuteSPGetAllTargetGroupsRequestBody"/>
```

3.1.4.26.2.2 ExecuteSPGetAllTargetGroupsResponse

This element contains the body of the response for the ExecuteSPGetAllTargetGroups **WSDL operation**. The format is defined in section 3.1.4.26.3.2.

```
<xsd:element name="ExecuteSPGetAllTargetGroupsResponse" nillable="true"
type="tns:ExecuteSPGetAllTargetGroupsResponseBody"/>
```

3.1.4.26.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetAllTargetGroupsRequestBody	This complex type does not contain any data.
ExecuteSPGetAllTargetGroupsResponseBody	Contains information about the target groups that are stored in the database.

3.1.4.26.3.1 ExecuteSPGetAllTargetGroupsRequestBody

This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPGetAllTargetGroupsRequestBody"/>
```

3.1.4.26.3.2 ExecuteSPGetAllTargetGroupsResponseBody

Contains information about the **target groups** that are stored in the database.

```
<xsd:complexType name="ExecuteSPGetAllTargetGroupsResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetAllTargetGroupsResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```


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ExecuteSPGetAllTargetGroupsResult: This field MUST be present. It represents information about all target groups that are stored in the database. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The items in the array MUST contain the following information:

Index	Name	Type	Description
0	TypeName	String	This field MUST NOT be NULL. It describes the type of target group. For any user-created target group, the value is "Computers".
1	Name	String	This field MUST NOT be NULL. It contains the name of the target group.
2	ID	GUID	This field MUST NOT be empty. It contains the GUID of the target group.
3	OrderValue	Integer	This field MUST be NULL. It is used for future reference.
4	Priority	Integer	This field can be NULL. It contains the priority of the group. The priority of a target MUST be the priority of its parent target group incremented by 1. The All Computers root target group MUST have the priority 0.
5	ParentID	GUID	This field contains the GUID of the parent target group. It MUST be NULL if the target group is All Computers.

3.1.4.27 ExecuteSPCreateTargetGroup1

The ExecuteSPCreateTargetGroup1 **WSDL operation** creates a new **target group** with the specified name and specified parent target group.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPCreateTargetGroup1">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCreateTargetGroup1Request"
name="ApiRemotingSoap_ExecuteSPCreateTargetGroup1_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPCreateTargetGroup1_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCreateTargetGroup1Response"
name="ApiRemotingSoap_ExecuteSPCreateTargetGroup1_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPCreateTargetGroup1_OutputMessage"/>
</wsdl:operation>
```

3.1.4.27.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPCreateTargetGroup1_InputMessage	A WSDL message containing the request for the ExecuteSPCreateTargetGroup1 **WSDL operation**.
ApiRemotingSoap_ExecuteSPCreateTargetGroup1_OutputMessage	A WSDL message containing the response for the ExecuteSPCreateTargetGroup1 WSDL operation.

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3.1.4.27.1.1 ApiRemotingSoap_ExecuteSPCreateTargetGroup1 Input Message

The ApiRemotingSoap_ExecuteSPCreateTargetGroup1_InputMessage **WSDL message** contains the request for the ExecuteSPCreateTargetGroup1 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCreateTargetGroup1Request
<wsdl:message name="ApiRemotingSoap_ExecuteSPCreateTargetGroup1_InputMessage">
  <wsdl:part name="ExecuteSPCreateTargetGroup1" element="tns:ExecuteSPCreateTargetGroup1"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.27.2.1.

3.1.4.27.1.2 ApiRemotingSoap_ExecuteSPCreateTargetGroup1 Output Message

The ApiRemotingSoap_ExecuteSPCreateTargetGroup1_OutputMessage **WSDL message** contains the response for the ExecuteSPCreateTargetGroup1 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCreateTargetGroup1Response
<wsdl:message name="ApiRemotingSoap ExecuteSPCreateTargetGroup1 OutputMessage">
  <wsdl:part name="ExecuteSPCreateTargetGroup1Response"
element="tns:ExecuteSPCreateTargetGroup1Response"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.27.2.2.

3.1.4.27.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPCreateTargetGroup1	Contains the body for the request of the ExecuteSPCreateTargetGroup1 **WSDL operation**.
ExecuteSPCreateTargetGroup1Response	Contains the body for the response of the ExecuteSPCreateTargetGroup1 WSDL operation.

3.1.4.27.2.1 ExecuteSPCreateTargetGroup1

This element contains the body of the request for the ExecuteSPCreateTargetGroup1 **WSDL operation**. The format is defined in section 3.1.4.27.3.1.

```
<xsd:element name="ExecuteSPCreateTargetGroup1" nillable="true"
type="tns:ExecuteSPCreateTargetGroup1RequestBody"/>
```

3.1.4.27.2.2 ExecuteSPCreateTargetGroup1Response

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This element contains the body of the response for the ExecuteSPCreateTargetGroup1 **WSDL operation**. The format is defined in section 3.1.4.27.3.2.

```
<xsd:element name="ExecuteSPCreateTargetGroup1Response" nillable="true"
type="tns:ExecuteSPCreateTargetGroup1ResponseBody"/>
```

3.1.4.27.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPCreateTargetGroup1RequestBody	Contains the name of the new **target group** and the identifier for the parent target group.
ExecuteSPCreateTargetGroup1ResponseBody	Contains information about the created target group.

3.1.4.27.3.1 ExecuteSPCreateTargetGroup1RequestBody

Contains the name of the new **target group** and the identifier for the parent target group.

```
<xsd:complexType name="ExecuteSPCreateTargetGroup1">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="name" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="parentGroupId" nillable="true" type="
s1:guid"/>
  </xsd:sequence>
</xsd:complexType>
```

name: This field MUST be present. It MUST contain a unique name of the target group that is to be created.

parentGroupId: This field MUST be present. It contains the identifier of the parent target group.

3.1.4.27.3.2 ExecuteSPCreateTargetGroup1ResponseBody

Contains information about the created **target group**.

```
<xsd:complexType name="ExecuteSPCreateTargetGroup1ResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPCreateTargetGroup1Result"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPCreateTargetGroup1Result: This field MUST be present. It contains information about the created computer target group. The data type is a GenericReadableRow (section 2.2.4.12). The array MUST contain the values defined in section 3.1.4.26.3.2.

3.1.4.28 ExecuteSPCreateTargetGroup2

The ExecuteSPCreateTargetGroup2 **WSDL operation** creates a **target group** with the specified properties.

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This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPCreateTargetGroup2">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCreateTargetGroup2Request"
name="ApiRemotingSoap_ExecuteSPCreateTargetGroup2_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPCreateTargetGroup2_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCreateTargetGroup2Response"
name="ApiRemotingSoap ExecuteSPCreateTargetGroup2 OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPCreateTargetGroup2_OutputMessage"/>
</wsdl:operation>
```

The properties the server MUST support are defined in section 3.1.4.28.3.1. This operation SHOULD only be invoked as part of replica synchronization. Otherwise, the ExecuteSPCreateTargetGroup1 (section 3.1.4.27) WSDL operation SHOULD be used.

3.1.4.28.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPCreateTargetGroup2_InputMessage	A WSDL message containing the request for the ExecuteSPCreateTargetGroup2 **WSDL operation**.
ApiRemotingSoap_ExecuteSPCreateTargetGroup2_OutputMessage	A WSDL message containing the response for the ExecuteSPCreateTargetGroup2 WSDL operation.

3.1.4.28.1.1 ApiRemotingSoap_ExecuteSPCreateTargetGroup2 Input Message

The ApiRemotingSoap_ExecuteSPCreateTargetGroup2_InputMessage **WSDL message** contains the request for the ExecuteSPCreateTargetGroup2 **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCreateTargetGroup2Request
<wsdl:message name="ApiRemotingSoap ExecuteSPCreateTargetGroup2 InputMessage">
  <wsdl:part name="ExecuteSPCreateTargetGroup2" element="tns:ExecuteSPCreateTargetGroup2"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.28.2.1.

3.1.4.28.1.2 ApiRemotingSoap_ExecuteSPCreateTargetGroup2 Output Message

The ApiRemotingSoap_ExecuteSPCreateTargetGroup2_OutputMessage **WSDL message** contains the response for the ExecuteSPCreateTargetGroup2 **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCreateTargetGroup2Response
<wsdl:message name="ApiRemotingSoap_ExecuteSPCreateTargetGroup2_OutputMessage">
  <wsdl:part name="ExecuteSPCreateTargetGroup2Response"
element="tns:ExecuteSPCreateTargetGroup2Response"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.28.2.2.

3.1.4.28.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPCreateTargetGroup2	Contains the body for the request of the ExecuteSPCreateTargetGroup2 **WSDL operation**.
ExecuteSPCreateTargetGroup2Response	Contains the body for the response of the ExecuteSPCreateTargetGroup2 WSDL operation.

3.1.4.28.2.1 ExecuteSPCreateTargetGroup2

This element contains the body of the request for the ExecuteSPCreateTargetGroup2 **WSDL operation**. The format is defined in section 3.1.4.28.3.1.

```
<xsd:element name="ExecuteSPCreateTargetGroup2" nillable="true"
type="tns:ExecuteSPCreateTargetGroup2RequestBody"/>
```

3.1.4.28.2.2 ExecuteSPCreateTargetGroup2Response

This element contains the body of the response for the ExecuteSPCreateTargetGroup2 **WSDL operation**. The format is defined in section 3.1.4.28.3.2.

```
<xsd:element name="ExecuteSPCreateTargetGroup2Response" nillable="true"
type="tns:ExecuteSPCreateTargetGroup2ResponseBody"/>
```

3.1.4.28.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPCreateTargetGroup2RequestBody	Contains properties of the **target group** that is to be created.
ExecuteSPCreateTargetGroup2ResponseBody	Contains information about the created target group.

3.1.4.28.3.1 ExecuteSPCreateTargetGroup2RequestBody

Contains properties of the **target group** that is to be created.

```
<xsd:complexType name="ExecuteSPCreateTargetGroup2">
  <xsd:sequence>
```


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```
    <xsd:element minOccurs="0" maxOccurs="1" name="name" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="parentGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="failIfReplica" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

failIfReplica: If this field is specified and set to TRUE, the server MUST fail the operation if the WSUS server is a replica of another WSUS server. If set to FALSE, the operation MUST proceed regardless of whether or not the WSUS server is a replica.

id: This field MUST be present. It contains the **GUID** of the target group that is to be created. It MUST contain a unique value.

name: This field MUST be present. It MUST contain a unique name for the target group that is created.

parentGroupId: This field MUST be present. It MUST contain the GUID of an existing target group that will be used as the parent target group.

3.1.4.28.3.2 ExecuteSPCreateTargetGroup2ResponseBody

Contains information about the created **target group**.

```
<xsd:complexType name="ExecuteSPCreateTargetGroup2ResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPCreateTargetGroup2Result"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPCreateTargetGroup2Result: This field MUST be present. It contains information about the created computer target group. The data type is a GenericReadableRow (section 2.2.4.12). The array MUST contain the values defined in section 3.1.4.26.3.2.

3.1.4.29 ExecuteSPDeleteTargetGroup

The ExecuteSPDeleteTargetGroup **WSDL operation** deletes the specified **target group** from the database.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPDeleteTargetGroup">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeleteTargetGroupRequest"
name="ApiRemotingSoap ExecuteSPDeleteTargetGroup InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeleteTargetGroup_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeleteTargetGroupResponse"
name="ApiRemotingSoap_ExecuteSPDeleteTargetGroup_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPDeleteTargetGroup OutputMessage"/>
</wsdl:operation>
```

This operation MUST NOT delete any of the built-in target groups:

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- All Computers
- Unassigned Computers
- Downstream Servers

This operation MUST recursively delete any child target groups of the specified target group. The specified target group and all of its child target groups comprise the delete set.

Any computer associated with a target group in the delete set that does not belong to a target group outside the delete set, MUST be associated with the built-in "Unassigned Computers" target group.

Any deployment associated with a target group in the delete set, MUST be deleted as part of this operation.

3.1.4.29.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPDeleteTargetGroup_InputMessage	A WSDL message containing the request for the ExecuteSPDeleteTargetGroup **WSDL operation**.
ApiRemotingSoap_ExecuteSPDeleteTargetGroup_OutputMessage	A WSDL message containing the response for the ExecuteSPDeleteTargetGroup WSDL operation.

3.1.4.29.1.1 ApiRemotingSoap_ExecuteSPDeleteTargetGroup Input Message

The ApiRemotingSoap_ExecuteSPDeleteTargetGroup_InputMessage **WSDL message** contains the request for the ExecuteSPDeleteTargetGroup **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeleteTargetGroupRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPDeleteTargetGroup InputMessage">
  <wsdl:part name="ExecuteSPDeleteTargetGroup" element="tns:ExecuteSPDeleteTargetGroup"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.29.2.2.

3.1.4.29.1.2 ApiRemotingSoap_ExecuteSPDeleteTargetGroup Output Message

The ApiRemotingSoap_ExecuteSPDeleteTargetGroup_OutputMessage **WSDL message** contains the response for the ExecuteSPDeleteTargetGroup **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeleteTargetGroupResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPDeleteTargetGroup OutputMessage">
  <wsdl:part name="ExecuteSPDeleteTargetGroupResponse"
element="tns:ExecuteSPDeleteTargetGroupResponse"/>
</wsdl:message>
```


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The element contained in this WSDL message is defined in section 3.1.4.29.2.2.

3.1.4.29.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPDeleteTargetGroup	Contains the body for the request of the ExecuteSPDeleteTargetGroup **WSDL operation**.
ExecuteSPDeleteTargetGroupResponse	Contains the body for the response of the ExecuteSPDeleteTargetGroup WSDL operation.

3.1.4.29.2.1 ExecuteSPDeleteTargetGroup

This element contains the body of the request for the ExecuteSPDeleteTargetGroup **WSDL operation**. The format is defined in section 3.1.4.29.3.1.

```
<xsd:element name="ExecuteSPDeleteTargetGroup" nillable="true"
type="tns:ExecuteSPDeleteTargetGroupRequestBody"/>
```

3.1.4.29.2.2 ExecuteSPDeleteTargetGroupResponse

This element contains the body of the response for the ExecuteSPDeleteTargetGroup **WSDL operation**. The format is defined in section 3.1.4.29.3.2.

```
<xsd:element name="ExecuteSPDeleteTargetGroupResponse" nillable="true"
type="q1:ExecuteSPDeleteTargetGroupResponseBody"/>
```

3.1.4.29.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPDeleteTargetGroupRequestBody	Contains the identifier of the **target group** and the name of the administrator responsible for deleting the target group.
ExecuteSPDeleteTargetGroupResponseBody	This complex type does not contain any data.

3.1.4.29.3.1 ExecuteSPDeleteTargetGroupRequestBody

Contains the identifier of the **target group** and the name of the administrator responsible for deleting the target group.

```
<xsd:complexType name="ExecuteSPDeleteTargetGroupRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="adminName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="failIfReplica" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```


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adminName: This field MUST be present. It contains the name of the administrator that approved the delete operation. The administrator name SHOULD follow the <domain>\<username> format.

failIfReplica: If this field is specified and set to TRUE, the server MUST fail the operation if the WSUS server is a replica of another WSUS server. If set to FALSE, the operation MUST proceed regardless of whether or not the WSUS server is a replica.

id: This field MUST be present. It contains the **GUID** of an existing target group. The operation can fail if the specified target group is not found in the database. It MUST fail if the GUID matches any of the built-in target groups.

3.1.4.29.3.2 ExecuteSPDeleteTargetGroupResponseBody

This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPDeleteTargetGroupResponseBody"/>
```

3.1.4.30 ExecuteSPAddComputerToTargetGroupAllowMultipleGroups

The ExecuteSPAddComputerToTargetGroupAllowMultipleGroups **WSDL operation** adds a specified computer to the specified **target group**.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPAddComputerToTargetGroupAllowMultipleGroups">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsRequest"
name="ApiRemotingSoap ExecuteSPAddComputerToTargetGroupAllowMultipleGroups InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPAddComputerToTargetGroupAllowMultipleGroups_InputMessag
e"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsResponse"
name="ApiRemotingSoap ExecuteSPAddComputerToTargetGroupAllowMultipleGroups OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPAddComputerToTargetGroupAllowMultipleGroups_OutputMessa
ge"/>
</wsdl:operation>
```

The specified computer can belong to another target group. This operation MUST leave existing target group membership intact.

3.1.4.30.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPAddComputerToTargetGroupAllowMultipleGroups_InputMessage	A WSDL message containing the request for the ExecuteSPAddComputerToTargetGroupAllowMultipleGroups **WSDL operation**.
ApiRemotingSoap_ExecuteSPAddComputerToTargetGroupAllowMultipleGroups_OutputMessage	A WSDL message containing the response for the ExecuteSPAddComputerToTargetGroupAllowMultipleGroups WSDL operation.

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3.1.4.30.1.1 ApiRemotingSoap_ExecuteSPAddComputerToTargetGroup Allow Multiple Groups Input Message

The ApiRemotingSoap_ExecuteSPAddComputerToTargetGroupAllowMultipleGroups_InputMessage **WSDL message** contains the request for the ExecuteSPAddComputerToTargetGroupAllowMultipleGroups **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPAddComputerToTargetGroupAllowMultipleGroupsRequest
<wsdl:message
name="ApiRemotingSoap_ExecuteSPAddComputerToTargetGroupAllowMultipleGroups_InputMessage">
  <wsdl:part name="ExecuteSPAddComputerToTargetGroupAllowMultipleGroups"
element="tns:ExecuteSPAddComputerToTargetGroupAllowMultipleGroups"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.30.2.1.

3.1.4.30.1.2 ApiRemotingSoap_ExecuteSPAddComputerToTargetGroup Allow Multiple Groups Output Message

The ApiRemotingSoap_ExecuteSPAddComputerToTargetGroupAllowMultipleGroups_OutputMessage **WSDL message** contains the response for the ExecuteSPAddComputerToTargetGroupAllowMultipleGroups **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPAddComputerToTargetGroupAllowMultipleGroupsResponse
<wsdl:message
name="ApiRemotingSoap_ExecuteSPAddComputerToTargetGroupAllowMultipleGroups_OutputMessage">
  <wsdl:part name="ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsResponse"
element="tns:ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.30.2.2.

3.1.4.30.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPAddComputerToTargetGroupAllowMultipleGroups	Contains the body for the request of the ExecuteSPAddComputerToTargetGroupAllowMultipleGroups **WSDL operation**.
ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsResponse	Contains the body for the response of the ExecuteSPAddComputerToTargetGroupAllowMultipleGroups WSDL operation.

3.1.4.30.2.1 ExecuteSPAddComputerToTargetGroupAllowMultipleGroups

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This element contains the body of the request for the ExecuteSPAddComputerToTargetGroupAllowMultipleGroups **WSDL operation**. The format is defined in section 3.1.4.30.3.1.

```
<xsd:element name="ExecuteSPAddComputerToTargetGroupAllowMultipleGroups" nillable="true"
type="tns:ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsRequestBody"/>
```

3.1.4.30.2.2 ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsResponse

This element contains the body of the response for the ExecuteSPAddComputerToTargetGroupAllowMultipleGroups **WSDL operation**. The format is defined in section 3.1.4.30.3.2.

```
<xsd:element name="ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsResponse"
nillable="true" type="q1:ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsResponseBody"/>
```

3.1.4.30.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsRequestBody	Contains the identifier for both the computer and the **target group**.
ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsResponseBody	This complex type does not contain data.

3.1.4.30.3.1 ExecuteSPAddComputerToTargetGroupAllowMultipleGroups Request Body

The ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsRequestBody complex type contains the identifier for both the computer and the **target group**.

```
<xsd:complexType name="ExecuteSPAddComputerToTargetGroupAllowMultipleGroups">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

computerId: This field MUST be present. It contains the unique name of the computer that is added to the target group. The **ComputerId** simple type is defined in section 2.2.5.4.

targetGroupId: This field MUST be present. It contains the **GUID** of the target group the computer is added to.

3.1.4.30.3.2 ExecuteSPAddComputerToTargetGroupAllowMultipleGroups Response Body

The **ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsResponseBody** complex type does not contain any data.

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```
<xsd:complexType name="ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsResponseBody"/>
```

3.1.4.31 ExecuteSPRemoveComputerFromTargetGroup

The ExecuteSPRemoveComputerFromTargetGroup **WSDL operation** removes the specified computer from the specified **target group**.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPRemoveComputerFromTargetGroup">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPRemoveComputerFromTargetGroupRequest"
name="ApiRemotingSoap_ExecuteSPRemoveComputerFromTargetGroup_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPRemoveComputerFromTargetGroup InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPRemoveComputerFromTargetGroupResponse"
name="ApiRemotingSoap ExecuteSPRemoveComputerFromTargetGroup OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPRemoveComputerFromTargetGroup_OutputMessage"/>
</wsdl:operation>
```

If the specified target group identifier matches either the built-in target group "All Computers" or the built-in target group "Unassigned Computers", the WSUS server MUST fail the operation.

3.1.4.31.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPRemoveComputerFromTargetGroup_InputMessage	A WSDL message containing the request for the ExecuteSPRemoveComputerFromTargetGroup **WSDL operation**.
ApiRemotingSoap_ExecuteSPRemoveComputerFromTargetGroup_OutputMessage	A WSDL message containing the response for the ExecuteSPRemoveComputerFromTargetGroup WSDL operation.

3.1.4.31.1.1 ApiRemotingSoap_ExecuteSPRemoveComputerFromTargetGroup Input Message

The ApiRemotingSoap_ExecuteSPRemoveComputerFromTargetGroup_InputMessage **WSDL message** contains the request for the ExecuteSPRemoveComputerFromTargetGroup **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPRemoveComputerFromTargetGroupRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPRemoveComputerFromTargetGroup InputMessage">
  <wsdl:part name="ExecuteSPRemoveComputerFromTargetGroup"
element="tns:ExecuteSPRemoveComputerFromTargetGroup"/>
</wsdl:message>
```


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The element contained in this WSDL message is defined in section 3.1.4.31.2.1.

3.1.4.31.1.2 ApiRemotingSoap_ExecuteSPRemoveComputerFromTargetGroup Output Message

The ApiRemotingSoap_ExecuteSPRemoveComputerFromTargetGroup_OutputMessage **WSDL message** contains the response for the ExecuteSPRemoveComputerFromTargetGroup **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPRemoveComputerFromTargetGroupResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPRemoveComputerFromTargetGroup_OutputMessage">
  <wsdl:part name="ExecuteSPRemoveComputerFromTargetGroupResponse"
element="tns:ExecuteSPRemoveComputerFromTargetGroupResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.31.2.2.

3.1.4.31.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPRemoveComputerFromTargetGroup	Contains the body for the request of the ExecuteSPRemoveComputerFromTargetGroup **WSDL operation**.
ExecuteSPRemoveComputerFromTargetGroupResponse	Contains the body for the response of the ExecuteSPRemoveComputerFromTargetGroup WSDL operation.

3.1.4.31.2.1 ExecuteSPRemoveComputerFromTargetGroup

This element contains the body of the request for the ExecuteSPRemoveComputerFromTargetGroup **WSDL operation**. The format is defined in section 3.1.4.31.3.1.

```
<xsd:element name="ExecuteSPRemoveComputerFromTargetGroup" nillable="true"
type="tns:ExecuteSPRemoveComputerFromTargetGroupRequestBody"/>
```

3.1.4.31.2.2 ExecuteSPRemoveComputerFromTargetGroupResponse

This element contains the body of the response for the ExecuteSPRemoveComputerFromTargetGroup **WSDL operation**. The format is defined in section 3.1.4.31.3.2.

```
<xsd:element name="ExecuteSPRemoveComputerFromTargetGroupResponse" nillable="true"
type="q1:ExecuteSPRemoveComputerFromTargetGroupResponseBody"/>
```

3.1.4.31.3 Complex Types

This operation includes the following complex types.

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Complex type	Description
ExecuteSPRemoveComputerFromTargetGroupRequestBody	Contains the identifier of the computer and the **target group**.
ExecuteSPRemoveComputerFromTargetGroupResponseBody	This complex type does not contain any data.

3.1.4.31.3.1 ExecuteSPRemoveComputerFromTargetGroupRequestBody

Contains the identifier of the computer and the **target group**.

```
<xsd:complexType name="ExecuteSPRemoveComputerFromTargetGroup">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

computerId: This field MUST be present. It contains the unique name of the computer that is removed from the target group specified by the **targetGroupId** field. The **ComputerId** simple type is defined in section 2.2.5.4.

targetGroupId: This field MUST be present. It contains the **GUID** of the target group the computer is removed from. The GUID MUST NOT match the GUID of any of the following built-in target groups: "All Computers" and "Unassigned Computers."

3.1.4.31.3.2 ExecuteSPRemoveComputerFromTargetGroupResponseBody

This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPRemoveComputerFromTargetGroupResponseBody"/>
```

3.1.4.32 ExecuteSPGetComputersInTargetGroup

The ExecuteSPGetComputersInTargetGroup **WSDL operation** retrieves information about all computers associated with the specified **target group**.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetComputersInTargetGroup">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputersInTargetGroupRequest"
name="ApiRemotingSoap ExecuteSPGetComputersInTargetGroup InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComputersInTargetGroup_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputersInTargetGroupResponse"
name="ApiRemotingSoap_ExecuteSPGetComputersInTargetGroup_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComputersInTargetGroup_OutputMessage"/>
</wsdl:operation>
```

3.1.4.32.1 Messages

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This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetComputersInTargetGroup_InputMessage	A WSDL message containing the request for the ExecuteSPGetComputersInTargetGroup **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetComputersInTargetGroup_OutputMessage	A WSDL message containing the response for the ExecuteSPGetComputersInTargetGroup WSDL operation.

3.1.4.32.1.1 ApiRemotingSoap_ExecuteSPGetComputersInTargetGroup Input Message

The ApiRemotingSoap_ExecuteSPGetComputersInTargetGroup_InputMessage **WSDL message** contains the request for the ExecuteSPGetComputersInTargetGroup **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetComputersInTargetGroupRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetComputersInTargetGroup_InputMessage">
  <wsdl:part name="ExecuteSPGetComputersInTargetGroup"
element="tns:ExecuteSPGetComputersInTargetGroup"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.32.2.1.

3.1.4.32.1.2 ApiRemotingSoap_ExecuteSPGetComputersInTargetGroup Output Message

The ApiRemotingSoap_ExecuteSPGetComputersInTargetGroup_OutputMessage **WSDL message** contains the response for the ExecuteSPGetComputersInTargetGroup **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetComputersInTargetGroupResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPGetComputersInTargetGroup OutputMessage">
  <wsdl:part name="ExecuteSPGetComputersInTargetGroupResponse"
element="tns:ExecuteSPGetComputersInTargetGroupResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.32.2.2.

3.1.4.32.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetComputersInTargetGroup	Contains the body for the request of the ExecuteSPGetComputersInTargetGroup **WSDL operation**.

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Element	Description
ExecuteSPGetComputersInTargetGroupResponse	Contains the body for the response of the ExecuteSPGetComputersInTargetGroup WSDL operation.

3.1.4.32.2.1 ExecuteSPGetComputersInTargetGroup

This element contains the body of the request for the ExecuteSPGetComputersInTargetGroup **WSDL operation**. The format is defined in section 3.1.4.32.3.1.

```
<xsd:element name="ExecuteSPGetComputersInTargetGroup" nillable="true"
type="tns:ExecuteSPGetComputersInTargetGroupRequestBody"/>
```

3.1.4.32.2.2 ExecuteSPGetComputersInTargetGroupResponse

This element contains the body of the response for the ExecuteSPGetComputersInTargetGroup **WSDL operation**. The format is defined in section 3.1.4.32.3.2.

```
<xsd:element name="ExecuteSPGetComputersInTargetGroupResponse" nillable="true"
type="tns:ExecuteSPGetComputersInTargetGroupResponseBody"/>
```

3.1.4.32.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetComputersInTargetGroupRequestBody	Contains the identifier of the **target group**.
ExecuteSPGetComputersInTargetGroupResponseBody	Contains information about all the computers associated with the specified target group.

3.1.4.32.3.1 ExecuteSPGetComputersInTargetGroupRequestBody

Contains the identifier of the **target group**.

```
<xsd:complexType name="ExecuteSPGetComputersInTargetGroup">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="includeSubgroups" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

includeSubgroups: This field is optional. If set to FALSE, the WSUS server MUST return information about all computers that belong to the specified target group. If set to TRUE, the server MUST also return information about computers that are associated with any subtarget group of the specified target group.

targetGroupId: This field MUST be present. It contains the **GUID** of the target group. If the specified GUID is not found in the database, the update server MUST send a SOAP fault as specified in section 3.1.4.1.

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3.1.4.32.3.2 ExecuteSPGetComputersInTargetGroupResponseBody

Contains information about all the computers associated with the specified **target group**.

```
<xsd:complexType name="ExecuteSPGetComputersInTargetGroupResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetComputersInTargetGroupResult"
nillable="true" type="tns:ArrayOfArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetComputersInTargetGroupResult: This field MUST be present. It contains a ClientComputerCollection (section 2.2.4.2.1.1) which is an instance of the ArrayOfArrayOfGenericReadableRow (section 2.2.4.2) complex type.

3.1.4.33 ExecuteSPGetDownstreamServersInTargetGroup

The ExecuteSPGetDownstreamServersInTargetGroup **WSDL operation** returns all WSUS servers that are associated with the specified **target group**.

This operation is deprecated and SHOULD NOT be implemented by the server.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetDownstreamServersInTargetGroup">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDownstreamServersInTargetGroupRequest"
name="ApiRemotingSoap ExecuteSPGetDownstreamServersInTargetGroup InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetDownstreamServersInTargetGroup_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDownstreamServersInTargetGroupResponse"
name="ApiRemotingSoap_ExecuteSPGetDownstreamServersInTargetGroup_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetDownstreamServersInTargetGroup_OutputMessage"/>
</wsdl:operation>
```

3.1.4.33.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetDownstreamServersInTargetGroup_InputMessage	A WSDL message containing the request for the ExecuteSPGetDownstreamServersInTargetGroup **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetDownstreamServersInTargetGroup_OutputMessage	A WSDL message containing the response for the ExecuteSPGetDownstreamServersInTargetGroup WSDL operation.

3.1.4.33.1.1 ApiRemotingSoap_ExecuteSPGetDownstreamServersInTargetGroup Input Message

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The ApiRemotingSoap_ExecuteSPGetDownstreamServersInTargetGroup_InputMessage **WSDL message** contains the request for the ExecuteSPGetDownstreamServersInTargetGroup **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDownstreamServersInTargetGroupRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetDownstreamServersInTargetGroup_InputMessage">
  <wsdl:part name="ExecuteSPGetDownstreamServersInTargetGroup"
element="tns:ExecuteSPGetDownstreamServersInTargetGroup"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.33.2.1.

3.1.4.33.1.2 ApiRemotingSoap_ExecuteSPGetDownstreamServersInTargetGroup Output Message

The ApiRemotingSoap_ExecuteSPGetDownstreamServersInTargetGroup_OutputMessage **WSDL message** contains the response for the ExecuteSPGetDownstreamServersInTargetGroup **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDownstreamServersInTargetGroupResponse
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetDownstreamServersInTargetGroup_OutputMessage">
  <wsdl:part name="ExecuteSPGetDownstreamServersInTargetGroupResponse"
element="tns:ExecuteSPGetDownstreamServersInTargetGroupResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.33.2.2.

3.1.4.33.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetDownstreamServersInTargetGroup	Contains the body for the request of the ExecuteSPGetDownstreamServersInTargetGroup **WSDL operation**.
ExecuteSPGetDownstreamServersInTargetGroupResponse	Contains the body for the response of the ExecuteSPGetDownstreamServersInTargetGroup WSDL operation.

3.1.4.33.2.1 ExecuteSPGetDownstreamServersInTargetGroup

This element contains the body of the request for the ExecuteSPGetDownstreamServersInTargetGroup **WSDL operation**. The format is defined in section 3.1.4.33.3.1.

```
<xsd:element name="ExecuteSPGetDownstreamServersInTargetGroup" nillable="true"
type="tns:ExecuteSPGetDownstreamServersInTargetGroupRequestBody"/>
```


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3.1.4.33.2.2 ExecuteSPGetDownstreamServersInTargetGroupResponse

This element contains the body of the response for the ExecuteSPGetDownstreamServersInTargetGroup **WSDL operation**. The format is defined in section 3.1.4.33.3.2.

```
<xsd:element name="ExecuteSPGetDownstreamServersInTargetGroupResponse" nillable="true"
type="tns:ExecuteSPGetDownstreamServersInTargetGroupResponseBody"/>
```

3.1.4.33.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetDownstreamServersInTargetGroupRequestBody	Contains the identifier for the **target group**.
ExecuteSPGetDownstreamServersInTargetGroupResponseBody	Contains information about all the WSUS servers associated with the target group.

3.1.4.33.3.1 ExecuteSPGetDownstreamServersInTargetGroupRequestBody

Contains the identifier for the **target group**.

```
<xsd:complexType name="ExecuteSPGetDownstreamServersInTargetGroup">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

targetGroupId: This field MUST be present. It contains the GUID of the target group, for which WSUS server information is returned. If the specified target group does not exist, the **update server** MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.33.3.2 ExecuteSPGetDownstreamServersInTargetGroupResponseBody

Contains information about all the WSUS servers associated with the **target group**.

```
<xsd:complexType name="ExecuteSPGetDownstreamServersInTargetGroupResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetDownstreamServersInTargetGroupResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetDownstreamServersInTargetGroupResult: This field MUST be present. It represents information about all WSUS servers associated with the target group. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The items in the array MUST contain the following information:

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Index	Moniker	Type	Description
0	DomainName	String	This field MUST NOT be NULL. It contains the full domain name of the server.
1	ID	GUID	This field MUST NOT be NULL. It contains the **GUID** of the **Downstream server**.
2	RollupLastSyncTime	Datetime	This field can be NULL. It contains date and time of the last synchronization operation this server participated in. The time is specified in **UTC**. The format in which date and time are encoded is defined in [ISO/IEC-9075-2-2008].
3	ParentId	GUID	This field can be NULL. If present, it contains the GUID of the WSUS server that functions as parent server for this server in the hierarchy.
4	LastRollupTime	Datetime	This field can be NULL. It contains time and date of the last rollup. The time is specified in UTC. The format in which date and time are encoded is defined in [ISO/IEC-9075-2-2008].
5	Version	String	This field can be NULL. It contains the version identifier for the Downstream server.
6	IsReplica	Boolean	This field MUST NOT be NULL. It indicates whether or not the server is a replica of another WSUS server.

3.1.4.34 ExecuteSPPreregisterComputer

The ExecuteSPPreregisterComputer **WSDL operation** registers a computer proactively before that computer contacts the WSUS server as part of client/server synchronization specified in [MS-WUSP].

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPPreregisterComputer">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPPreregisterComputerRequest"
name="ApiRemotingSoap_ExecuteSPPreregisterComputer_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPPreregisterComputer_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPPreregisterComputerResponse"
name="ApiRemotingSoap_ExecuteSPPreregisterComputer_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPPreregisterComputer_OutputMessage"/>
</wsdl:operation>
```

3.1.4.34.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPPreregisterComputer_InputMessage	A WSDL message containing the request for the ExecuteSPPreregisterComputer **WSDL operation**.
ApiRemotingSoap_ExecuteSPPreregisterComputer_OutputMessage	A WSDL message containing the response

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Message	Description
	for the ExecuteSPPreregisterComputer WSDL operation.

3.1.4.34.1.1 ApiRemotingSoap_ExecuteSPPreregisterComputer Input Message

The ApiRemotingSoap_ExecuteSPPreregisterComputer_InputMessage **WSDL message** contains the request for the ExecuteSPPreregisterComputer **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPPreregisterComputerRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPPreregisterComputer InputMessage">
  <wsdl:part name="ExecuteSPPreregisterComputer" element="tns:ExecuteSPPreregisterComputer"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.34.2.1.

3.1.4.34.1.2 ApiRemotingSoap_ExecuteSPPreregisterComputer Output Message

The ApiRemotingSoap_ExecuteSPPreregisterComputer_OutputMessage **WSDL message** contains the response for the ExecuteSPPreregisterComputer **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPPreregisterComputerResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPPreregisterComputer OutputMessage">
  <wsdl:part name="ExecuteSPPreregisterComputerResponse"
element="tns:ExecuteSPPreregisterComputerResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.34.2.2.

3.1.4.34.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPPreregisterComputer	Contains the body for the request of the ExecuteSPPreregisterComputer **WSDL operation**.
ExecuteSPPreregisterComputerResponse	Contains the body for the response of the ExecuteSPPreregisterComputer WSDL operation.

3.1.4.34.2.1 ExecuteSPPreregisterComputer

This element contains the body of the request for the ExecuteSPPreregisterComputer **WSDL operation**. The format is defined in section 3.1.4.34.3.1.

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```
<xsd:element name="ExecuteSPPreregisterComputer" nillable="true"
type="tns:ExecuteSPPreregisterComputerRequestBody"/>
```

3.1.4.34.2.2 ExecuteSPPreregisterComputerResponse

This element contains the body of the response for the ExecuteSPPreregisterComputer **WSDL operation**. The format is defined in section 3.1.4.34.3.2.

```
<xsd:element name="ExecuteSPPreregisterComputerResponse" nillable="true"
type="tns:ExecuteSPPreregisterComputerResponseBody"/>
```

3.1.4.34.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPPreregisterComputerRequestBody	Specifies the computer to be added.
ExecuteSPPreregisterComputerResponseBody	Information about the computer as it is added to the database.

3.1.4.34.3.1 ExecuteSPPreregisterComputerRequestBody

Specifies the computer to be added.

```
<xsd:complexType name="ExecuteSPPreregisterComputerRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="sid" nillable="true"
type="xsd:base64Binary"/>
  </xsd:sequence>
</xsd:complexType>
```

computerName: This field MUST be present. It contains a unique name identifying the computer. If the specified computer name already exists in the database, the **update server** MUST send a SOAP fault as specified in section 3.1.4.1.

sid: This field MUST be present. It contains the byte representation of the **security identifier (SID)** of the computer.

3.1.4.34.3.2 ExecuteSPPreregisterComputerResponseBody

Information about the computer as it is added to the database.

```
<xsd:complexType name="ExecuteSPPreregisterComputerResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPPreregisterComputerResult"
nillable="true" type="tns:ArrayOfArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```


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ExecuteSPPreregisterComputerResult: This field MUST be returned by the server. It SHOULD contain a ClientComputerCollection (section 2.2.4.2.1.1) which is an instance of the ArrayOfArrayOfGenericReadableRow (section 2.2.4.2) complex type.

3.1.4.35 ExecuteSPGetComputerById

The ExecuteSPGetComputerById **WSDL operation** retrieves information about the specified computer.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetComputerById">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputerByIdRequest"
name="ApiRemotingSoap_ExecuteSPGetComputerById_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComputerById_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputerByIdResponse"
name="ApiRemotingSoap_ExecuteSPGetComputerById_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComputerById_OutputMessage"/>
</wsdl:operation>
```

3.1.4.35.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetComputerById_InputMessage	A WSDL message containing the request for the ExecuteSPGetComputerById **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetComputerById_OutputMessage	A WSDL message containing the response for the ExecuteSPGetComputerById WSDL operation.

3.1.4.35.1.1 ApiRemotingSoap_ExecuteSPGetComputerById Input Message

The ApiRemotingSoap_ExecuteSPGetComputerById_InputMessage **WSDL message** contains the request for the ExecuteSPGetComputerById **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputerByIdRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetComputerById_InputMessage">
  <wsdl:part name="ExecuteSPGetComputerById" element="tns:ExecuteSPGetComputerById"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.35.2.1.

3.1.4.35.1.2 ApiRemotingSoap_ExecuteSPGetComputerById Output Message

The ApiRemotingSoap_ExecuteSPGetComputerById_OutputMessage **WSDL message** contains the response for the ExecuteSPGetComputerById **WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputerByIdResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetComputerById_OutputMessage">
  <wsdl:part name="ExecuteSPGetComputerByIdResponse"
element="tns:ExecuteSPGetComputerByIdResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.35.2.2.

3.1.4.35.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetComputerById	Contains the body for the request of the ExecuteSPGetComputerById **WSDL operation**.
ExecuteSPGetComputerByIdResponse	Contains the body for the response of the ExecuteSPGetComputerById WSDL operation.

3.1.4.35.2.1 ExecuteSPGetComputerById

This element contains the body of the request for the ExecuteSPGetComputerById **WSDL operation**. The format is defined in section 3.1.4.35.3.1.

```
<xsd:element name="ExecuteSPGetComputerById" nillable="true"
type="tns:ExecuteSPGetComputerByIdRequestBody"/>
```

3.1.4.35.2.2 ExecuteSPGetComputerByIdResponse

This element contains the body of the response for the ExecuteSPGetComputerById **WSDL operation**. The format is defined in section 3.1.4.35.3.2.

```
<xsd:element name="ExecuteSPGetComputerByIdResponse" nillable="true"
type="tns:ExecuteSPGetComputerByIdResponseBody"/>
```

3.1.4.35.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetComputerByIdRequestBody	Specifies the computer for which information is retrieved.
ExecuteSPGetComputerByIdResponseBody	Contains information about the computer and its associated **target group**.

3.1.4.35.3.1 ExecuteSPGetComputerByIdRequestBody

Specifies the computer for which information is retrieved.

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```
<xsd:complexType name="ExecuteSPGetComputerByIdRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

id: This field MUST be present. It contains the unique name of the computer for which information is retrieved. If the specified computer name does not exist in the database, the **update server** MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.35.3.2 ExecuteSPGetComputerByIdResponseBody

Contains information about the computer and its associated **target groups**.

```
<xsd:complexType name="ExecuteSPGetComputerByIdResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetComputerByIdResult"
nillable="true" type="tns:ArrayOfArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetComputerByIdResult: This field MUST be returned. It contains a ClientComputerCollection (section 2.2.4.2.1.1) which is an instance of the ArrayOfArrayOfGenericReadableRow (section 2.2.4.2) complex type.

3.1.4.36 ExecuteSPGetDownstreamServer

The ExecuteSPGetDownstreamServer **WSDL operation** retrieves information about the specified downstream server.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetDownstreamServer">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDownstreamServerRequest"
name="ApiRemotingSoap_ExecuteSPGetDownstreamServer_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetDownstreamServer InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDownstreamServerResponse"
name="ApiRemotingSoap_ExecuteSPGetDownstreamServer_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetDownstreamServer_OutputMessage"/>
</wsdl:operation>
```

3.1.4.36.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetDownstreamServer_InputMessage	A WSDL message containing the request for the ExecuteSPGetDownstreamServer **WSDL operation**.

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Message	Description
ApiRemotingSoap_ExecuteSPGetDownstreamServer_OutputMessage	A WSDL message containing the response for the ExecuteSPGetDownstreamServer WSDL operation.

3.1.4.36.1.1 ApiRemotingSoap_ExecuteSPGetDownstreamServer Input Message

The ApiRemotingSoap_ExecuteSPGetDownstreamServer_InputMessage **WSDL message** contains the request for the ExecuteSPGetDownstreamServer **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDownstreamServerRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPGetDownstreamServer InputMessage">
  <wsdl:part name="ExecuteSPGetDownstreamServer" element="tns:ExecuteSPGetDownstreamServer"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.36.2.1.

3.1.4.36.1.2 ApiRemotingSoap_ExecuteSPGetDownstreamServer Output Message

The ApiRemotingSoap_ExecuteSPGetDownstreamServer_OutputMessage **WSDL message** contains the response for the ExecuteSPGetDownstreamServer **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetDownstreamServerResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPGetDownstreamServer OutputMessage">
  <wsdl:part name="ExecuteSPGetDownstreamServerResponse"
element="tns:ExecuteSPGetDownstreamServerResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.36.2.2.

3.1.4.36.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetDownstreamServer	Contains the body for the request of the ExecuteSPGetDownstreamServer **WSDL operation**.
ExecuteSPGetDownstreamServerResponse	Contains the body for the response of the ExecuteSPGetDownstreamServer WSDL operation.

3.1.4.36.2.1 ExecuteSPGetDownstreamServer

This element contains the body of the request for the ExecuteSPGetDownstreamServer **WSDL operation**. The format is defined in section 3.1.4.36.3.1.

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```
<xsd:element name="ExecuteSPGetDownstreamServer" nillable="true"
type="tns:ExecuteSPGetDownstreamServerRequestBody"/>
```

3.1.4.36.2.2 ExecuteSPGetDownstreamServerResponse

This element contains the body of the response for the ExecuteSPGetDownstreamServer **WSDL operation**. The format is defined in section 3.1.4.36.3.2.

```
<xsd:element name="ExecuteSPGetDownstreamServerResponse" nillable="true"
type="tns:ExecuteSPGetDownstreamServerResponseBody"/>
```

3.1.4.36.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetDownstreamServerRequestBody	Contains the GUID of the **target group**.
ExecuteSPGetDownstreamServerResponseBody	Contains information about all the **downstream servers** associated with the specified target group.

3.1.4.36.3.1 ExecuteSPGetDownstreamServerRequestBody

Contains the GUID of the **target group**.

```
<xsd:complexType name="ExecuteSPGetDownstreamServer">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

id: This field MUST be present. It contains the GUID of the **downstream server**.

3.1.4.36.3.2 ExecuteSPGetDownstreamServerResponseBody

Contains information about all the **downstream servers** associated with the specified **target group**.

```
<xsd:complexType name="ExecuteSPGetDownstreamServerResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetDownstreamServerResult"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetDownstreamServerResult: This field MUST be present. The data type is GenericReadableRow (section 2.2.4.12). Items in that array MUST contain the information as defined in section 3.1.4.33.3.2.

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3.1.4.37 ExecuteSPGetAllComputers

The ExecuteSPGetAllComputers **WSDL operation** retrieves information about all computers stored in the database.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetAllComputers">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetAllComputersRequest"
name="ApiRemotingSoap ExecuteSPGetAllComputers InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetAllComputers_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetAllComputersResponse"
name="ApiRemotingSoap_ExecuteSPGetAllComputers_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetAllComputers OutputMessage"/>
</wsdl:operation>
```

3.1.4.37.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetAllComputers_InputMessage	A WSDL message containing the request for the ExecuteSPGetAllComputers **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetAllComputers_OutputMessage	A WSDL message containing the response for the ExecuteSPGetAllComputers WSDL operation.

3.1.4.37.1.1 ApiRemotingSoap_ExecuteSPGetAllComputers Input Message

The ApiRemotingSoap_ExecuteSPGetAllComputers_InputMessage **WSDL message** contains the request for the ExecuteSPGetAllComputers **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetAllComputersRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetAllComputers_InputMessage">
  <wsdl:part name="ExecuteSPGetAllComputers" element="tns:ExecuteSPGetAllComputers"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.37.2.1.

3.1.4.37.1.2 ApiRemotingSoap_ExecuteSPGetAllComputers Output Message

The ApiRemotingSoap_ExecuteSPGetAllComputers_OutputMessage **WSDL message** contains the response for the ExecuteSPGetAllComputers **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetAllComputersResponse
```


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```
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetAllComputers_OutputMessage">
  <wsdl:part name="ExecuteSPGetAllComputersResponse"
element="tns:ExecuteSPGetAllComputersResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.37.2.2.

3.1.4.37.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetAllComputers	Contains the body for the request of the ExecuteSPGetAllComputers **WSDL operation**.
ExecuteSPGetAllComputersResponse	Contains the body for the response of the ExecuteSPGetAllComputers WSDL operation.

3.1.4.37.2.1 ExecuteSPGetAllComputers

This element contains the body of the request for the ExecuteSPGetAllComputers **WSDL operation**. The format is defined in section 3.1.4.37.3.1.

```
<xsd:element name="ExecuteSPGetAllComputers" nillable="true"
type="q1:ExecuteSPGetAllComputersRequestBody"/>
```

3.1.4.37.2.2 ExecuteSPGetAllComputersResponse

This element contains the body of the response for the ExecuteSPGetAllComputers **WSDL operation**. The format is defined in section 3.1.4.37.3.2.

```
<xsd:element name="ExecuteSPGetAllComputersResponse" nillable="true"
type="tns:ExecuteSPGetAllComputersResponseBody"/>
```

3.1.4.37.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetAllComputersRequestBody	This complex type does not contain any data.
ExecuteSPGetAllComputersResponseBody	Contains information about all computers stored in the database.

3.1.4.37.3.1 ExecuteSPGetAllComputersRequestBody

This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPGetAllComputersRequestBody"/>
```


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3.1.4.37.3.2 ExecuteSPGetAllComputersResponseBody

Contains information about all computers stored in the database.

```
<xsd:complexType name="ExecuteSPGetAllComputersResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetAllComputersResult"
nillable="true" type="tns:ArrayOfArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetAllComputersResult: This field MUST be present. This field contains up to three different result sets, one of which is mandatory and the other two are optional. The data type is an ArrayOfArrayOfGenericReadableRow (section 2.2.4.2). Each of the result sets and whether or not they MUST be present is defined in section 2.2.4.2.1.1.

3.1.4.38 ExecuteSPSearchComputers

The ExecuteSPSearchComputers **WSDL operation** retrieves information about all registered computers that match the specified search criteria.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPSearchComputers">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSearchComputersRequest"
name="ApiRemotingSoap ExecuteSPSearchComputers InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPSearchComputers_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSearchComputersResponse"
name="ApiRemotingSoap_ExecuteSPSearchComputers_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPSearchComputers_OutputMessage"/>
</wsdl:operation>
```

The search criteria are defined by using an XML fragment, the computer target scope, defined in section 2.2.3.2.

3.1.4.38.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPSearchComputers_InputMessage	A WSDL message containing the request for the ExecuteSPSearchComputers **WSDL operation**.
ApiRemotingSoap_ExecuteSPSearchComputers_OutputMessage	A WSDL message containing the response for the ExecuteSPSearchComputers WSDL operation.

3.1.4.38.1.1 ApiRemotingSoap_ExecuteSPSearchComputers Input Message

The ApiRemotingSoap_ExecuteSPSearchComputers_InputMessage **WSDL message** contains the request for the ExecuteSPSearchComputers **WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSearchComputersRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPSearchComputers_InputMessage">
  <wsdl:part name="ExecuteSPSearchComputers" element="tns:ExecuteSPSearchComputers"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.38.2.1.

3.1.4.38.1.2 ApiRemotingSoap_ExecuteSPSearchComputers Output Message

The ApiRemotingSoap_ExecuteSPSearchComputers_OutputMessage **WSDL message** contains the response for the ExecuteSPSearchComputers **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSearchComputersResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPSearchComputers_OutputMessage">
  <wsdl:part name="ExecuteSPSearchComputersResponse"
element="tns:ExecuteSPSearchComputersResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.38.2.2.

3.1.4.38.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPSearchComputers	Contains the body for the request of the ExecuteSPSearchComputers **WSDL operation**.
ExecuteSPSearchComputersResponse	Contains the body for the response of the ExecuteSPSearchComputers WSDL operation.

3.1.4.38.2.1 ExecuteSPSearchComputers

This element contains the body of the request for the ExecuteSPSearchComputers **WSDL operation**. The format is defined in section 3.1.4.38.3.1.

```
<xsd:element name="ExecuteSPSearchComputers" nillable="true"
type="tns:ExecuteSPSearchComputersRequestBody"/>
```

3.1.4.38.2.2 ExecuteSPSearchComputersResponse

This element contains the body of the response for the ExecuteSPSearchComputers **WSDL operation**. The format is defined in section 3.1.4.38.2.2.

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```
<xsd:element name="ExecuteSPSearchComputersResponse" nillable="true"
type="tns:ExecuteSPSearchComputersResponseBody"/>
```

3.1.4.38.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPSearchComputersRequestBody	Contains the search criteria.
ExecuteSPSearchComputersResponseBody	Contains information about all the computers that match the specified search criteria.

3.1.4.38.3.1 ExecuteSPSearchComputersRequestBody

Contains the search criteria.

```
<xsd:complexType name="ExecuteSPSearchComputersRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerTargetScopeXml" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

computerTargetScopeXml: This field MUST be present. It contains an XML fragment that specifies search criteria or scope for computers in the database. The XML fragment is defined in section 2.2.3.2. While the search scope has to be present, it cannot specify any criteria. In that case, the server MUST return all computers.

3.1.4.38.3.2 ExecuteSPSearchComputersResponseBody

Contains information about all the computers that match the specified search criteria.

```
<xsd:complexType name="ExecuteSPSearchComputersResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPSearchComputersResult"
nillable="true" type="tns:ArrayOfArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPSearchComputersResult: This field MUST be present. This field contains up to three different result sets, one of which is mandatory and the other two are optional. The data type is an ArrayOfArrayOfGenericReadableRow (section 2.2.4.2). Each of the result sets and whether or not they MUST be present is defined in section 2.2.4.2.1.1.

3.1.4.39 ExecuteSPGetComputerCount

The ExecuteSPGetComputerCount **WSDL operation** returns the number of computers registered to the server that match the specified search criteria.

This operation is specified by the following WSDL.

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```
<wsdl:operation name="ExecuteSPGetComputerCount">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputerCountRequest"
name="ApiRemotingSoap_ExecuteSPGetComputerCount_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetComputerCount InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputerCountResponse"
name="ApiRemotingSoap_ExecuteSPGetComputerCount_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetComputerCount OutputMessage"/>
</wsdl:operation>
```

The search criteria are defined by using an XML fragment, the computer target scope, defined in section 2.2.3.2.

3.1.4.39.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetComputerCount_InputMessage	A WSDL message containing the request for the ExecuteSPGetComputerCount **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetComputerCount_OutputMessage	A WSDL message containing the response for the ExecuteSPGetComputerCount WSDL operation.

3.1.4.39.1.1 ApiRemotingSoap_ExecuteSPGetComputerCount Input Message

The ApiRemotingSoap_ExecuteSPGetComputerCount_InputMessage **WSDL message** contains the request for the ExecuteSPGetComputerCount **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputerCountRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetComputerCount_InputMessage">
  <wsdl:part name="ExecuteSPGetComputerCount" element="tns:ExecuteSPGetComputerCount"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.39.2.1.

3.1.4.39.1.2 ApiRemotingSoap_ExecuteSPGetComputerCount Output Message

The ApiRemotingSoap_ExecuteSPGetComputerCount_OutputMessage **WSDL message** contains the response for the ExecuteSPGetComputerCount **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputerCountResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPGetComputerCount OutputMessage">
  <wsdl:part name="ExecuteSPGetComputerCountResponse"
element="tns:ExecuteSPGetComputerCountResponse"/>
```


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```
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.39.2.2.

3.1.4.39.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetComputerCount	Contains the body for the request of the ExecuteSPGetComputerCount **WSDL operation**.
ExecuteSPGetComputerCountResponse	Contains the body for the response of the ExecuteSPGetComputerCount WSDL operation.

3.1.4.39.2.1 ExecuteSPGetComputerCount

This element contains the body of the request for the ExecuteSPGetComputerCount **WSDL operation**. The format is defined in section 3.1.4.39.3.1.

```
<xsd:element name="ExecuteSPGetComputerCount" nillable="true"
type="tns:ExecuteSPGetComputerCountRequestBody"/>
```

3.1.4.39.2.2 ExecuteSPGetComputerCountResponse

This element contains the body of the response for the ExecuteSPGetComputerCount **WSDL operation**. The format is defined in section 3.1.4.39.3.2.

```
<xsd:element name="ExecuteSPGetComputerCountResponse" nillable="true"
type="tns:ExecuteSPGetComputerCountResponseBody"/>
```

3.1.4.39.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetComputerCountRequestBody	Contains the search criteria.
ExecuteSPGetComputerCountResponseBody	Contains the number of computers that match the specified criteria.

3.1.4.39.3.1 ExecuteSPGetComputerCountRequestBody

Contains the search criteria.

```
<xsd:complexType name="ExecuteSPGetComputerCountRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerTargetScopeXml" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
```


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```
</xsd:complexType>
```

computerTargetScopeXml: This field MUST be present. It contains an XML fragment that specifies search criteria or scope for computers in the database. The XML fragment is defined in section 2.2.3.2. While the search scope has to be present, it cannot specify any criteria. In that case, the server MUST return all computers.

3.1.4.39.3.2 ExecuteSPGetComputerCountResponseBody

Contains the number of computers that match the specified criteria.

```
<xsd:complexType name="ExecuteSPGetComputerCountResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="ExecuteSPGetComputerCountResult"
type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetComputerCountResult: This field MUST be present. It represents the number of computers that match the specified search criteria.

3.1.4.40 ExecuteSPGetAllDownstreamServers

The ExecuteSPGetAllDownstreamServers **WSDL operation** returns information about **downstream servers** that are subordinate to a specified server in the downstream server hierarchy.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetAllDownstreamServers">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetAllDownstreamServersRequest"
name="ApiRemotingSoap_ExecuteSPGetAllDownstreamServers_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetAllDownstreamServers_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetAllDownstreamServersResponse"
name="ApiRemotingSoap_ExecuteSPGetAllDownstreamServers_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetAllDownstreamServers OutputMessage"/>
</wsdl:operation>
```

3.1.4.40.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetAllDownstreamServers_InputMessage	A WSDL message containing the request for the ExecuteSPGetAllDownstreamServers **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetAllDownstreamServers_OutputMessage	A WSDL message containing the response for the ExecuteSPGetAllDownstreamServers WSDL operation.

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3.1.4.40.1.1 ApiRemotingSoap_ExecuteSPGetAllDownstreamServers Input Message

The ApiRemotingSoap_ExecuteSPGetAllDownstreamServers_InputMessage **WSDL message** contains the request for the ExecuteSPGetAllDownstreamServers **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetAllDownstreamServersRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetAllDownstreamServers_InputMessage">
  <wsdl:part name="ExecuteSPGetAllDownstreamServers"
element="tns:ExecuteSPGetAllDownstreamServers"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.40.2.1.

3.1.4.40.1.2 ApiRemotingSoap_ExecuteSPGetAllDownstreamServers Output Message

The ApiRemotingSoap_ExecuteSPGetAllDownstreamServers_OutputMessage **WSDL message** contains the response for the ExecuteSPGetAllDownstreamServers **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetAllDownstreamServersResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetAllDownstreamServers_OutputMessage">
  <wsdl:part name="ExecuteSPGetAllDownstreamServersResponse"
element="tns:ExecuteSPGetAllDownstreamServersResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 2.2.4.12.

3.1.4.40.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetAllDownstreamServers	Contains the body for the request of the ExecuteSPGetAllDownstreamServers **WSDL operation**.
ExecuteSPGetAllDownstreamServersResponse	Contains the body for the response of the ExecuteSPGetAllDownstreamServers WSDL operation.

3.1.4.40.2.1 ExecuteSPGetAllDownstreamServers

This element contains the body of the request for the ExecuteSPGetAllDownstreamServers **WSDL operation**. The format is defined in section 3.1.4.40.3.1.

```
<xsd:element name="ExecuteSPGetAllDownstreamServers" nillable="true"
type="tns:ExecuteSPGetAllDownstreamServersRequestBody"/>
```

3.1.4.40.2.2 ExecuteSPGetAllDownstreamServersResponse

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This element contains the body of the response for the ExecuteSPGetAllDownstreamServers **WSDL operation**. The format is defined in section 3.1.4.40.3.2.

```
<xsd:element name="ExecuteSPGetAllDownstreamServersResponse" nillable="true"
type="tns:ExecuteSPGetAllDownstreamServersResponseBody"/>
```

3.1.4.40.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetAllDownstreamServersRequestBody	Identifies which **downstream servers** are reported back by the server.
ExecuteSPGetAllDownstreamServersResponseBody	Contains the set of downstream servers.

3.1.4.40.3.1 ExecuteSPGetAllDownstreamServersRequestBody

Identifies which **downstream servers** are reported back by the server.

```
<xsd:complexType name="ExecuteSPGetAllDownstreamServers">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="parentServerId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="includeNestedChildren"
type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

includeNestedChildren: This field MUST be present. If set to FALSE, the server MUST report back information about downstream servers that are immediate child nodes to the server specified through the **parentServerId** field. If set to TRUE, it includes the entire subtree rooted at the specified server (except the root server itself).

parentServerId: If present, this field contains the GUID of the server for which child downstream servers are retrieved. If not present, or NULL, the server MUST retrieve child nodes that are rooted at the server itself.

3.1.4.40.3.2 ExecuteSPGetAllDownstreamServersResponseBody

Contains the set of **downstream servers**.

```
<xsd:complexType name="ExecuteSPGetAllDownstreamServersResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetAllDownstreamServersResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetAllDownstreamServersResult: This field MUST be present. It contains information about all of the downstream servers that are registered to the update server. The data type is an ArrayOfGenericReadableRow (section 2.2.4.3) where each item MUST contain the information defined in section 3.1.4.33.3.2.

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3.1.4.41 ExecuteSPDeleteComputer

The ExecuteSPDeleteComputer **WSDL operation** deletes a registered computer.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPDeleteComputer">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeleteComputerRequest"
name="ApiRemotingSoap ExecuteSPDeleteComputer InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeleteComputer_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeleteComputerResponse"
name="ApiRemotingSoap_ExecuteSPDeleteComputer_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPDeleteComputer OutputMessage"/>
</wsdl:operation>
```

3.1.4.41.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPDeleteComputer_InputMessage	A WSDL message containing the request for the ExecuteSPDeleteComputer **WSDL operation**.
ApiRemotingSoap_ExecuteSPDeleteComputer_OutputMessage	A WSDL message containing the response for the ExecuteSPDeleteComputer WSDL operation.

3.1.4.41.1.1 ApiRemotingSoap_ExecuteSPDeleteComputer Input Message

The ApiRemotingSoap_ExecuteSPDeleteComputer_InputMessage **WSDL message** contains the request for the ExecuteSPDeleteComputer **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeleteComputerRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeleteComputer_InputMessage">
  <wsdl:part name="ExecuteSPDeleteComputer" element="tns:ExecuteSPDeleteComputer"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.41.2.1.

3.1.4.41.1.2 ApiRemotingSoap_ExecuteSPDeleteComputer Output Message

The ApiRemotingSoap_ExecuteSPDeleteComputer_OutputMessage **WSDL message** contains the response for the ExecuteSPDeleteComputer **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeleteComputerResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeleteComputer_OutputMessage">
```


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```
  <wsdl:part name="ExecuteSPDeleteComputerResponse"
element="tns:ExecuteSPDeleteComputerResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.41.2.2.

3.1.4.41.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPDeleteComputer	Contains the body for the request of the ExecuteSPDeleteComputer **WSDL operation**.
ExecuteSPDeleteComputerResponse	Contains the body for the response of the ExecuteSPDeleteComputer WSDL operation.

3.1.4.41.2.1 ExecuteSPDeleteComputer

This element contains the body of the request for the ExecuteSPDeleteComputer **WSDL operation**. The format is defined in section 3.1.4.41.3.1.

```
<xsd:element name="ExecuteSPDeleteComputer" nillable="true"
type="tns:ExecuteSPDeleteComputerRequestBody"/>
```

3.1.4.41.2.2 ExecuteSPDeleteComputerResponse

This element contains the body of the response for the ExecuteSPDeleteComputer **WSDL operation**. The format is defined in section 3.1.4.41.3.2.

```
<xsd:element name="ExecuteSPDeleteComputerResponse" nillable="true"
type="q1:ExecuteSPDeleteComputerResponseBody"/>
```

3.1.4.41.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPDeleteComputerRequestBody	Contains the ID of the computer that is to be deleted.
ExecuteSPDeleteComputerResponseBody	This complex type does not contain any data.

3.1.4.41.3.1 ExecuteSPDeleteComputerRequestBody

```
<xsd:complexType name="ExecuteSPDeleteComputerRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```


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id: This field MUST be present. It represents the **GUID** of the computer that is to be deleted. If the specified GUID does not match any of the registered computers, the update server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.41.3.2 ExecuteSPDeleteComputerResponseBody

This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPDeleteComputerResponseBody"/>
```

3.1.4.42 ExecuteSPDeleteDownstreamServer

The ExecuteSPDeleteDownstreamServer **WSDL operation** deletes a specified **downstream server**.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPDeleteDownstreamServer">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeleteDownstreamServerRequest"
name="ApiRemotingSoap ExecuteSPDeleteDownstreamServer InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeleteDownstreamServer_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeleteDownstreamServerResponse"
name="ApiRemotingSoap_ExecuteSPDeleteDownstreamServer_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPDeleteDownstreamServer OutputMessage"/>
</wsdl:operation>
```

The canonical root for the hierarchy of downstream servers is the "Downstream Servers" **target group**. The hierarchy of downstream servers MUST be updated as follows:

- Given the downstream server to be deleted (D), the parent downstream server of D (P), and any immediate child downstream servers of D (C); during the hierarchy **update**, P becomes the parent of C.

3.1.4.42.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPDeleteDownstreamServer_InputMessage	A WSDL message containing the request for the ExecuteSPDeleteDownstreamServer **WSDL operation**.
ApiRemotingSoap_ExecuteSPDeleteDownstreamServer_OutputMessage	A WSDL message containing the response for the ExecuteSPDeleteDownstreamServer WSDL operation.

3.1.4.42.1.1 ApiRemotingSoap_ExecuteSPDeleteDownstreamServer Input Message

The ApiRemotingSoap_ExecuteSPDeleteDownstreamServer_InputMessage **WSDL message** contains the request for the ExecuteSPDeleteDownstreamServer **WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeleteDownstreamServerRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeleteDownstreamServer_InputMessage">
  <wsdl:part name="ExecuteSPDeleteDownstreamServer"
element="tns:ExecuteSPDeleteDownstreamServer"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.42.2.1.

3.1.4.42.1.2 ApiRemotingSoap_ExecuteSPDeleteDownstreamServer Output Message

The ApiRemotingSoap_ExecuteSPDeleteDownstreamServer_OutputMessage **WSDL message** contains the response for the ExecuteSPDeleteDownstreamServer **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeleteDownstreamServerResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeleteDownstreamServer_OutputMessage">
  <wsdl:part name="ExecuteSPDeleteDownstreamServerResponse"
element="tns:ExecuteSPDeleteDownstreamServerResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.42.2.2.

3.1.4.42.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPDeleteDownstreamServer	Contains the identifier of the **downstream server** that is to be deleted.
ExecuteSPDeleteDownstreamServerResponse	This element does not contain any data.

3.1.4.42.2.1 ExecuteSPDeleteDownstreamServer

Contains the identifier of the **downstream server** that is to be deleted.

```
<xsd:element name="ExecuteSPDeleteDownstreamServer" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

id: This field MUST be present. It contains the **GUID** of the downstream server that is to be deleted.

3.1.4.42.2.2 ExecuteSPDeleteDownstreamServerResponse

This element does not contain any data.

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```
<xsd:element name="ExecuteSPDeleteDownstreamServerResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.43 ExecuteSPGetComputerTargetByName

The ExecuteSPGetComputerTargetByName **WSDL operation** retrieves information about a client computer that matches the specified **FQDN**.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetComputerTargetByName">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputerTargetByNameRequest"
name="ApiRemotingSoap_ExecuteSPGetComputerTargetByName_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComputerTargetByName_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputerTargetByNameResponse"
name="ApiRemotingSoap ExecuteSPGetComputerTargetByName OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComputerTargetByName_OutputMessage"/>
</wsdl:operation>
```

3.1.4.43.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetComputerTargetByName_InputMessage	A WSDL message containing the request for the ExecuteSPGetComputerTargetByNam e **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetComputerTargetByName_OutputMessag e	A WSDL message containing the response for the ExecuteSPGetComputerTargetByNam e WSDL operation.

3.1.4.43.1.1 ApiRemotingSoap_ExecuteSPGetComputerTargetByName Input Message

The ApiRemotingSoap_ExecuteSPGetComputerTargetByName_InputMessage **WSDL message** contains the request for the ExecuteSPGetComputerTargetByName **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputerTargetByNameRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetComputerTargetByName_InputMessage">
  <wsdl:part name="ExecuteSPGetComputerTargetByName"
element="tns:ExecuteSPGetComputerTargetByName"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.43.2.1.

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3.1.4.43.1.2 ApiRemotingSoap_ExecuteSPGetComputerTargetByName Output Message

The ApiRemotingSoap_ExecuteSPGetComputerTargetByName_OutputMessage **WSDL message** contains the response for the ExecuteSPGetComputerTargetByName **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputerTargetByNameResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPGetComputerTargetByName OutputMessage">
  <wsdl:part name="ExecuteSPGetComputerTargetByNameResponse"
element="tns:ExecuteSPGetComputerTargetByNameResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.43.2.2.

3.1.4.43.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetComputerTargetByName	Contains the body for the request of the ExecuteSPGetComputerTargetByName **WSDL operation**.
ExecuteSPGetComputerTargetByNameResponse	Contains the body for the response of the ExecuteSPGetComputerTargetByName WSDL operation.

3.1.4.43.2.1 ExecuteSPGetComputerTargetByName

This element contains the body of the request for the ExecuteSPGetComputerTargetByName **WSDL operation**. The format is defined in section 3.1.4.43.3.1.

```
<xsd:element name="ExecuteSPGetComputerTargetByName" nillable="true"
type="tns:ExecuteSPGetComputerTargetByNameRequestBody"/>
```

3.1.4.43.2.2 ExecuteSPGetComputerTargetByNameResponse

This element contains the body of the response for the ExecuteSPGetComputerTargetByName **WSDL operation**. The format is defined in section 3.1.4.43.3.2.

```
<xsd:element name="ExecuteSPGetComputerTargetByNameResponse" nillable="true"
type="tns:ExecuteSPGetComputerTargetByNameResponseBody"/>
```

3.1.4.43.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetComputerTargetByNameRequestBody	Specifies the **FQDN** of the client computer.

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Complex type	Description
ExecuteSPGetComputerTargetByNameResponseBody	Contains information about the requested client computer.

3.1.4.43.3.1 ExecuteSPGetComputerTargetByNameRequestBody

Specifies the **FQDN**of the client computer.

```
<xsd:complexType name="ExecuteSPGetComputerTargetByNameRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="name" nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

name: This field MUST be present. It contains the FQDN of the client computer for which information is be retrieved. If the FQDN does not match any computers registered to the WSUS server, the **update server** MUST send a SOAP fault indicating that an error occurred. The FQDN MUST NOT be longer than 256 characters. If the FQDN is longer than 256 characters, the update server MUST send a **SOAP fault** as specified in section 3.1.4.1.

3.1.4.43.3.2 ExecuteSPGetComputerTargetByNameResponseBody

Contains information about the requested client computer.

```
<xsd:complexType name="ExecuteSPGetComputerTargetByNameResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetComputerTargetByNameResult"
nillable="true" type="tns:ArrayOfArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetComputerTargetByNameResult: This field MUST be returned. The data type is an ArrayOfArrayOfGenericReadableRow (section 2.2.4.2) and the specific instance MUST be interpreted as defined in section 2.2.4.2.1.1.

3.1.4.44 ExecuteSPSimpleSearchComputers

The ExecuteSPSimpleSearchComputers **WSDL operation** returns information about any computer, for which the FQDN contains the specified search string.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPSimpleSearchComputers">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSimpleSearchComputersRequest"
name="ApiRemotingSoap ExecuteSPSimpleSearchComputers InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPSimpleSearchComputers_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSimpleSearchComputersResponse"
name="ApiRemotingSoap_ExecuteSPSimpleSearchComputers_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPSimpleSearchComputers_OutputMessage"/>
```


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```
</wsdl:operation>
```

3.1.4.44.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPSimpleSearchComputers_InputMessage	A WSDL message containing the request for the ExecuteSPSimpleSearchComputers **WSDL operation**.
ApiRemotingSoap_ExecuteSPSimpleSearchComputers_OutputMessage	A WSDL message containing the response for the ExecuteSPSimpleSearchComputers WSDL operation.

3.1.4.44.1.1 ApiRemotingSoap_ExecuteSPSimpleSearchComputers Input Message

The ApiRemotingSoap_ExecuteSPSimpleSearchComputers_InputMessage **WSDL message** contains the request for the ExecuteSPSimpleSearchComputers **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSimpleSearchComputersRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPSimpleSearchComputers_InputMessage">
  <wsdl:part name="ExecuteSPSimpleSearchComputers"
element="tns:ExecuteSPSimpleSearchComputers"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.44.2.1.

3.1.4.44.1.2 ApiRemotingSoap_ExecuteSPSimpleSearchComputers Output Message

The ApiRemotingSoap_ExecuteSPSimpleSearchComputers_OutputMessage **WSDL message** contains the response for the ExecuteSPSimpleSearchComputers **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSimpleSearchComputersResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPSimpleSearchComputers_OutputMessage">
  <wsdl:part name="ExecuteSPSimpleSearchComputersResponse"
element="tns:ExecuteSPSimpleSearchComputersResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.44.2.2.

3.1.4.44.2 Elements

This operation includes the following WSDL elements.

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Element	Description
ExecuteSPSimpleSearchComputers	Contains the body for the request of the ExecuteSPSimpleSearchComputers **WSDL operation**.
ExecuteSPSimpleSearchComputersResponse	Contains the body for the response of the ExecuteSPSimpleSearchComputers WSDL operation.

3.1.4.44.2.1 ExecuteSPSimpleSearchComputers

This element contains the body of the request for the ExecuteSPSimpleSearchComputers **WSDL operation**. The format is defined in section 3.1.4.44.3.1.

```
<xsd:element name="ExecuteSPSimpleSearchComputers" nillable="true"
type="tns:ExecuteSPSimpleSearchComputersRequestBody"/>
```

3.1.4.44.2.2 ExecuteSPSimpleSearchComputersResponse

This element contains the body of the response for the ExecuteSPSimpleSearchComputers **WSDL operation**. The format is defined in section 3.1.4.44.3.2.

```
<xsd:element name="ExecuteSPSimpleSearchComputersResponse" nillable="true"
type="tns:ExecuteSPSimpleSearchComputersResponseBody"/>
```

3.1.4.44.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPSimpleSearchComputersRequestBody	Specifies the search pattern for the FQDN of the client computer for which information is retrieved.
ExecuteSPSimpleSearchComputersResponseBody	Information about any client computers that match the specified search pattern.

3.1.4.44.3.1 ExecuteSPSimpleSearchComputersRequestBody

Specifies the search pattern for the FQDN of the client computer for which information is retrieved.

```
<xsd:complexType name="ExecuteSPSimpleSearchComputersRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="name" nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

name: This field MUST be present. It contains the name of the client computer that is to be retrieved. The provided value will be evaluated against the FQDN of the registered client computers. The length of the specified search string MUST NOT be longer than 256 characters. If the search string is longer than 256 characters, the update server MUST send a SOAP fault as specified in section 3.1.4.1.

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3.1.4.44.3.2 ExecuteSPSimpleSearchComputersResponseBody

Information about any client computers that match the specified search pattern.

```
<xsd:complexType name="ExecuteSPSimpleSearchComputersResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPSimpleSearchComputersResult"
nillable="true" type="tns:ArrayOfArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPSimpleSearchComputersResult: This field MUST be present. It represents a ClientComputerCollection (section 2.2.4.2.1.1), which is an instance of the ArrayOfArrayOfGenericReadableRow (section 2.2.4.2) complex type. The **update server** MUST include any client computer for which the specified search string is contained in the FQDN.

3.1.4.45 ExecuteSetSelfSigningCertificate

The ExecuteSetSelfSigningCertificate **WSDL operation** creates and registers a self-signing **certificate** in the WSUS store and removes any existing self-signed certificates.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSetSelfSigningCertificate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSetSelfSigningCertificateRequest"
name="ApiRemotingSoap ExecuteSetSelfSigningCertificate InputMessage"
message="tns:ApiRemotingSoap_ExecuteSetSelfSigningCertificate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSetSelfSigningCertificateResponse"
name="ApiRemotingSoap_ExecuteSetSelfSigningCertificate_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSetSelfSigningCertificate_OutputMessage"/>
</wsdl:operation>
```

3.1.4.45.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSetSelfSigningCertificate_InputMessage	A WSDL message containing the request for the ExecuteSetSelfSigningCertificate **WSDL operation**.
ApiRemotingSoap_ExecuteSetSelfSigningCertificate_OutputMessage	A WSDL message containing the response for the ExecuteSetSelfSigningCertificate WSDL operation.

3.1.4.45.1.1 ApiRemotingSoap_ExecuteSetSelfSigningCertificate Input Message

The ApiRemotingSoap_ExecuteSetSelfSigningCertificate_InputMessage **WSDL message** contains the request for the ExecuteSetSelfSigningCertificate **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSetSelfSigningCertificateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSetSelfSigningCertificate_InputMessage">
  <wsdl:part name="ExecuteSetSelfSigningCertificate"
element="tns:ExecuteSetSelfSigningCertificate"/>
</wsdl:message>
```

3.1.4.45.1.2 ApiRemotingSoap_ExecuteSetSelfSigningCertificate Output Message

The ApiRemotingSoap_ExecuteSetSelfSigningCertificate_OutputMessage **WSDL message** contains the response for the ExecuteSetSelfSigningCertificate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSetSelfSigningCertificateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSetSelfSigningCertificate_OutputMessage">
  <wsdl:part name="ExecuteSetSelfSigningCertificateResponse"
element="tns:ExecuteSetSelfSigningCertificateResponse"/>
</wsdl:message>
```

3.1.4.45.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSetSelfSigningCertificate	Contains the body for the request of the ExecuteSetSelfSigningCertificate operation.
ExecuteSetSelfSigningCertificateResponse	Contains the body for the response of the ExecuteSetSelfSigningCertificate operation.

3.1.4.45.2.1 ExecuteSetSelfSigningCertificate

Contains the body for the request of the ExecuteSetSelfSigningCertificate operation.

This element doesn't contain any data.

```
<xsd:element name="ExecuteSetSelfSigningCertificate" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.45.2.2 ExecuteSetSelfSigningCertificateResponse

Contains the body for the response of the ExecuteSetSelfSigningCertificate operation.

This element doesn't contain any data.

```
<xsd:element name="ExecuteSetSelfSigningCertificateResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```


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3.1.4.46 ExecuteSetSigningCertificate

This **WSDL operation** imports a **signing certificate** into the WSUS certificate store, or removes an existing **certificate**. The signing certificate can be used for signing locally published updates.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSetSigningCertificate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSetSigningCertificateRequest"
name="ApiRemotingSoap ExecuteSetSigningCertificate InputMessage"
message="tns:ApiRemotingSoap_ExecuteSetSigningCertificate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSetSigningCertificateResponse"
name="ApiRemotingSoap_ExecuteSetSigningCertificate_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSetSigningCertificate OutputMessage"/>
</wsdl:operation>
```

3.1.4.46.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSetSigningCertificate_InputMessage	A WSDL message containing the request for the ExecuteSetSigningCertificate **WSDL operation**
ApiRemotingSoap_ExecuteSetSigningCertificate_OutputMessage	A WSDL message containing the response for the ExecuteSetSigningCertificate WSDL operation

3.1.4.46.1.1 ApiRemotingSoap_ExecuteSetSigningCertificate Input Message

The ApiRemotingSoap_ExecuteSetSigningCertificate_InputMessage **WSDL message** contains the request for the ExecuteSetSigningCertificate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSetSigningCertificateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSetSigningCertificate_InputMessage">
  <wsdl:part name="ExecuteSetSigningCertificate" element="tns:ExecuteSetSigningCertificate"/>
</wsdl:message>
```

3.1.4.46.1.2 ApiRemotingSoap_ExecuteSetSigningCertificate Output Message

The ApiRemotingSoap_ExecuteSetSigningCertificate_OutputMessage **WSDL message** contains the response for the ExecuteSetSigningCertificate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSetSigningCertificateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSetSigningCertificate_OutputMessage">
```


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```
  <wsdl:part name="ExecuteSetSigningCertificateResponse"
element="tns:ExecuteSetSigningCertificateResponse"/>
</wsdl:message>
```

3.1.4.46.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSetSigningCertificate	Contains the request for the ExecuteSetSigningCertificate **WSDL operation**
ExecuteSetSigningCertificateResponse	Contains the response for the ExecuteSetSigningCertificate WSDL operation

3.1.4.46.2.1 ExecuteSetSigningCertificate

This element describes the **certificate** to be registered with the WSUS server. The format of this element is defined in section 3.1.4.46.3.1.

```
<xsd:element name="ExecuteSetSigningCertificate" nillable="true"
type="tns:ExecuteSetSigningCertificateRequestBody"/>
```

3.1.4.46.2.2 ExecuteSetSigningCertificateResponse

This element describes the response for the ExecuteSetSigningCertificate **WSDL operation**. The format of the element is defined in section 3.1.4.46.3.2.

```
<xsd:element name="ExecuteSetSigningCertificateResponse" nillable="true"
type="q1:ExecuteSetSigningCertificateResponseBody"/>
```

3.1.4.46.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSetSigningCertificateRequestBody	Contains the certificate which is to be registered with the WSUS server.
ExecuteSetSigningCertificateResponseBody	The return type of the ExecuteSetSigningCertificate **WSDL operation** is of type **void**. This complex type does not contain any data.

3.1.4.46.3.1 ExecuteSetSigningCertificateRequestBody

Contains the certificate to be registered with the WSUS server.

```
<xsd:complexType name="ExecuteSetSigningCertificateRequestBody">
  <xsd:sequence>
```


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```
    <xsd:element minOccurs="0" maxOccurs="1" name="PFXFileContent" nillable="true"
type="xsd:base64Binary"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="passwordBytes" nillable="true"
type="xsd:base64Binary"/>
  </xsd:sequence>
</xsd:complexType>
```

passwordBytes: This field MUST be present, if the **PFXFileContent** field is present and the private key of the certificate is password protected. It contains a **base64** encoded representation of an array of bytes that comprise the password to protect the private key of the certificate.

PFXFileContent: This field MUST be present to register a new certificate with the WSUS server. It contains a base64 representation of an array of bytes comprising the signing certificate in the **PKCS #12** format. This field MUST NOT be present to delete any existing signing certificate from the WSUS server.

3.1.4.46.3.2 ExecuteSetSigningCertificateResponseBody

The return type of the ExecuteSetSigningCertificate **WSDL operation** is of type **void**. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSetSigningCertificateResponseBody"/>
```

The response to the ExecuteSetSigningCertificate does not return any value.

3.1.4.47 ExecuteGetSigningCertificate

This **WSDL operation** retrieves a certificate that was registered with the WSUS server for signing locally published **updates**.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteGetSigningCertificate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteGetSigningCertificateRequest"
name="ApiRemotingSoap ExecuteGetSigningCertificate InputMessage"
message="tns:ApiRemotingSoap_ExecuteGetSigningCertificate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteGetSigningCertificateResponse"
name="ApiRemotingSoap ExecuteGetSigningCertificate OutputMessage"
message="tns:ApiRemotingSoap_ExecuteGetSigningCertificate_OutputMessage"/>
</wsdl:operation>
```

3.1.4.47.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteGetSigningCertificate_InputMessage	A WSDL message containing the request for the ExecuteGetSigningCertificate **WSDL operation**.

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Message	Description
ApiRemotingSoap_ExecuteGetSigningCertificate_OutputMessage	A WSDL message containing the response for the ExecuteGetSigningCertificate WSDL operation.

3.1.4.47.1.1 ApiRemotingSoap_ExecuteGetSigningCertificate Input Message

The ApiRemotingSoap_ExecuteGetSigningCertificate_InputMessage **WSDL message** contains the request for the ExecuteGetSigningCertificate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteGetSigningCertificateRequest
<wsdl:message name="ApiRemotingSoap ExecuteGetSigningCertificate InputMessage">
  <wsdl:part name="ExecuteGetSigningCertificate" element="tns:ExecuteGetSigningCertificate"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.47.2.1.

3.1.4.47.1.2 ApiRemotingSoap_ExecuteGetSigningCertificate Output Message

The ApiRemotingSoap_ExecuteGetSigningCertificate_OutputMessage **WSDL message** contains the response for the ExecuteGetSigningCertificate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteGetSigningCertificateResponse
<wsdl:message name="ApiRemotingSoap ExecuteGetSigningCertificate OutputMessage">
  <wsdl:part name="ExecuteGetSigningCertificateResponse"
element="tns:ExecuteGetSigningCertificateResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.47.2.2.

3.1.4.47.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteGetSigningCertificate	Contains the request for the ExecuteGetSigningCertificate **WSDL operation**.
ExecuteGetSigningCertificateResponse	Contains the response for the ExecuteGetSigningCertificate WSDL operation.

3.1.4.47.2.1 ExecuteGetSigningCertificate

This element contains the request body for the ExecuteGetSigningCertificate **WSDL operation**. The format is defined in section 3.1.4.47.3.1.

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```
<xsd:element name="ExecuteGetSigningCertificate" nillable="true"
type="q1:ExecuteGetSigningCertificateRequestBody"/>
```

3.1.4.47.2.2 ExecuteGetSigningCertificateResponse

This element contains the request body for the ExecuteGetSigningCertificate **WSDL operation**. The format is defined in section 3.1.4.47.3.2.

```
<xsd:element name="ExecuteGetSigningCertificateResponse" nillable="true"
type="tns:ExecuteGetSigningCertificateResponseBody"/>
```

3.1.4.47.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteGetSigningCertificateRequestBody	The ExecuteGetSigningCertificate **WSDL operation** does not require any parameters as part of the request. This data type is empty.
ExecuteGetSigningCertificateResponseBody	Contains the certificate that was registered with the WSUS server.

3.1.4.47.3.1 ExecuteGetSigningCertificateRequestBody

The ExecuteGetSigningCertificate **WSDL operation** does not require any parameters as part of the request. This data type is empty.

```
<xsd:complexType name="ExecuteGetSigningCertificateRequestBody"/>
```

The request of the ExecuteGetSigningCertificate WSDL operation does not contain any data.

3.1.4.47.3.2 ExecuteGetSigningCertificateResponseBody

Contains the certificate that was registered with the WSUS server.

```
<xsd:complexType name="ExecuteGetSigningCertificateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteGetSigningCertificateResult"
nillable="true" type="xsd:base64Binary"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteGetSigningCertificateResult: This field MUST be present. It contains a **base64** representation of an array of bytes that comprise the certificate. The certificate is encoded by using ASN.1 **DER** format.

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3.1.4.48 ExecuteSPGetInventoryItemsForComputer

The ExecuteSPGetInventoryItemsForComputer **WSDL operation** gets inventory items for a specified computer.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetInventoryItemsForComputer">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetInventoryItemsForComputerRequest"
name="ApiRemotingSoap ExecuteSPGetInventoryItemsForComputer InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetInventoryItemsForComputer_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetInventoryItemsForComputerResponse"
name="ApiRemotingSoap_ExecuteSPGetInventoryItemsForComputer_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetInventoryItemsForComputer OutputMessage"/>
</wsdl:operation>
```

3.1.4.48.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetInventoryItemsForComputer_InputMessage	A WSDL message containing the request for the ExecuteSPGetInventoryItemsForComputer **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetInventoryItemsForComputer_OutputMessage	A WSDL message containing the response for the ExecuteSPGetInventoryItemsForComputer WSDL operation.

3.1.4.48.1.1 ApiRemotingSoap_ExecuteSPGetInventoryItemsForComputer Input Message

The ApiRemotingSoap_ExecuteSPGetInventoryItemsForComputer_InputMessage **WSDL message** contains the request for the ExecuteSPGetInventoryItemsForComputer **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetInventoryItemsForComputerRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetInventoryItemsForComputer_InputMessage">
  <wsdl:part name="ExecuteSPGetInventoryItemsForComputer"
element="tns:ExecuteSPGetInventoryItemsForComputer"/>
</wsdl:message>
```

3.1.4.48.1.2 ApiRemotingSoap_ExecuteSPGetInventoryItemsForComputer Output Message

The ApiRemotingSoap_ExecuteSPGetInventoryItemsForComputer_OutputMessage **WSDL message** contains the response for the ExecuteSPGetInventoryItemsForComputer **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetInventoryItemsForComputerResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetInventoryItemsForComputer_OutputMessage">
  <wsdl:part name="ExecuteSPGetInventoryItemsForComputerResponse"
element="tns:ExecuteSPGetInventoryItemsForComputerResponse"/>
</wsdl:message>
```

3.1.4.48.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetInventoryItemsForComputer	Contains the body for the request of the ExecuteSPGetInventoryItemsForComputer **WSDL operation**.
ExecuteSPGetInventoryItemsForComputerResponse	Contains the body for the response of the ExecuteSPGetInventoryItemsForComputer WSDL operation.

3.1.4.48.2.1 ExecuteSPGetInventoryItemsForComputer

This element contains the body of the ApiRemotingSoap_ExecuteSPGetInventoryItemsForComputer_InputMessage (section 3.1.4.48.1.1) **WSDL message**. The format is defined in section 3.1.4.48.3.1.

```
<xsd:element name="ExecuteSPGetInventoryItemsForComputer" nillable="true"
type="tns:ExecuteSPGetInventoryItemsForComputerRequestBody"/>
```

3.1.4.48.2.2 ExecuteSPGetInventoryItemsForComputerResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetInventoryItemsForComputer_OutputMessage (section 3.1.4.48.1.2) **WSDL message**. The format is defined in section 3.1.4.48.3.2.

```
<xsd:element name="ExecuteSPGetInventoryItemsForComputerResponse" nillable="true"
type="tns:ExecuteSPGetInventoryItemsForComputerResponseBody"/>
```

3.1.4.48.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetInventoryItemsForComputerRequestBody	Contains the criteria to get inventory items for a specified computer.
ExecuteSPGetInventoryItemsForComputerResponseBody	Contains the list of all inventory items that belong to a particular computer.

3.1.4.48.3.1 ExecuteSPGetInventoryItemsForComputerRequestBody

Contains the criteria to get inventory items for a specified computer.

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```
<xsd:complexType name="ExecuteSPGetInventoryItemsForComputerRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

computerId: This field MUST be present. It contains the ID of the computer for which to get inventory items.

3.1.4.48.3.2 ExecuteSPGetInventoryItemsForComputerResponseBody

Contains the list of all inventory items that belong to a particular computer.

```
<xsd:complexType name="ExecuteSPGetInventoryItemsForComputerResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetInventoryItemsForComputerResult" nillable="true"
type="tns:ArrayOfArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetInventoryItemsForComputerResult: This field MUST be present. It contains an ArrayOfGenericReadableRow (section 2.2.4.3) arrays. The first array contains a list of all inventory items belonging to the computer represented by computerId (section 2.2.5.4). The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.3.1.

The items in the array MUST contain the following information.

Index	Name	Type	Description
0	ClassInstanceID	Integer	MUST NOT be NULL. Contains the class instance identifier.
1	ClassID	Integer	MUST NOT be NULL. Contains the class identifier.
2	Name	String	MUST NOT be NULL. Contains the name of the property.

The second array contains a list of properties for the inventory items in the first array.

Index	Name	Type	Description
0	ClassInstanceID	Integer	MUST NOT be NULL. Contains the class instance identifier.
1	Name	String	MUST NOT be NULL. Contains the name of the property.
2	Type	String	MUST NOT be NULL. Contains the data type of the property.
3	Value	String	Contains the value of the property.

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3.1.4.49 ExecuteSPGetInventorySummary

The ExecuteSPGetInventorySummary **WSDL operation** retrieves a list of inventory items summarized across a **target group**.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetInventorySummary">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetInventorySummaryRequest"
name="ApiRemotingSoap ExecuteSPGetInventorySummary InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetInventorySummary_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetInventorySummaryResponse"
name="ApiRemotingSoap_ExecuteSPGetInventorySummary_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetInventorySummary OutputMessage"/>
</wsdl:operation>
```

3.1.4.49.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetInventorySummary_InputMessage	A WSDL message containing the request for the ExecuteSPGetInventorySummary **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetInventorySummary_OutputMessage	A WSDL message containing the response for the ExecuteSPGetInventorySummary WSDL operation.

3.1.4.49.1.1 ApiRemotingSoap_ExecuteSPGetInventorySummary Input Message

The ApiRemotingSoap_ExecuteSPGetInventorySummary_InputMessage **WSDL message** contains the request for the ExecuteSPGetInventorySummary (section 3.1.4.49) **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetInventorySummaryRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetInventorySummary_InputMessage">
  <wsdl:part name="ExecuteSPGetInventorySummary" element="tns:ExecuteSPGetInventorySummary"/>
</wsdl:message>
```

3.1.4.49.1.2 ApiRemotingSoap_ExecuteSPGetInventorySummary Output Message

The ApiRemotingSoap_ExecuteSPGetInventorySummary_OutputMessage **WSDL message** contains the response for the ExecuteSPGetInventorySummary (section 3.1.4.49) **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetInventorySummaryResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetInventorySummary_OutputMessage">
```


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```
  <wsdl:part name="ExecuteSPGetInventorySummaryResponse"
element="tns:ExecuteSPGetInventorySummaryResponse"/>
</wsdl:message>
```

3.1.4.49.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetInventorySummary	Contains the body for the request of the ExecuteSPGetInventorySummary **WSDL operation**.
ExecuteSPGetInventorySummaryResponse	Contains the body for the response of the ExecuteSPGetInventorySummary WSDL operation.

3.1.4.49.2.1 ExecuteSPGetInventorySummary

This element contains the body of the ApiRemotingSoap_ExecuteSPGetInventorySummary_InputMessage (section 3.1.4.49.1.1) **WSDL message**. The format is defined in section 3.1.4.49.3.1.

```
<xsd:element name="ExecuteSPGetInventorySummary" nillable="true"
type="tns:ExecuteSPGetInventorySummaryRequestBody"/>
```

3.1.4.49.2.2 ExecuteSPGetInventorySummaryResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetInventorySummary_OutputMessage (section 3.1.4.49.1.2) **WSDL message**. The format is defined in section 3.1.4.49.3.2.

```
<xsd:element name="ExecuteSPGetInventorySummaryResponse" nillable="true"
type="tns:ExecuteSPGetInventorySummaryResponseBody"/>
```

3.1.4.49.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetInventorySummaryRequestBody	Contains the criteria for obtaining the list of inventory items for a **target group**.
ExecuteSPGetInventorySummaryResponseBody	Contains the list of computers that have the specified inventory item in a target group.

3.1.4.49.3.1 ExecuteSPGetInventorySummaryRequestBody

Contains the criteria for obtaining the list of inventory items for a **target group**.

```
<xsd:complexType name="ExecuteSPGetInventorySummary">
  <xsd:sequence>
```


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```
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="includeSubgroups" type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="className" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="propertyName" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

targetGroupId: This field MUST be present. It contains the ID of the target group.

If the **targetGroupID** field is not found in the database, the server MUST send a **SOAP** fault message as specified in section 3.1.4.1.

includeSubgroups: This field MUST be present. A Boolean that specifies whether to include members of the group and any descendant target groups, or only direct members of the group.

className: This field MUST be present. It contains the name of the class for which to return summaries.

propertyName: This field MUST be present. It contains the class property name to summarize.

3.1.4.49.3.2 ExecuteSPGetInventorySummaryResponseBody

Contains the list of computers that have the specified inventory item in a **target group**.

```
<xsd:complexType name="ExecuteSPGetInventorySummaryResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetInventorySummaryResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetInventorySummaryResult: This field MUST be present. It contains the list of computers that have the specified inventory item in a target group. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.12.1.

The items in the array MUST contain the following information.

Index	Name	Type	Description
0	ClassID	Integer	MUST NOT be NULL. Contains the class identifier.
1	Classname	String	MUST NOT be NULL. Contains the name of the class.
2	Propertyname	String	MUST NOT be NULL. Contains the name of the property.
3	Type	String	MUST NOT be NULL. Contains the data type of the property.
4	Value	String	Contains the value of the property.

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3.1.4.50 ExecuteSPGetComputersHavingInventoryItem

The ExecuteSPGetComputersHavingInventoryItem **WSDL operation** returns information about computers that reported the specified inventory item.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetComputersHavingInventoryItem">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputersHavingInventoryItemRequest"
name="ApiRemotingSoap ExecuteSPGetComputersHavingInventoryItem InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComputersHavingInventoryItem_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputersHavingInventoryItemResponse"
name="ApiRemotingSoap_ExecuteSPGetComputersHavingInventoryItem_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetComputersHavingInventoryItem OutputMessage"/>
</wsdl:operation>
```

An inventory item is a property of a **Common Information Model (CIM)** class that is reported back by a client computer. This method can be used to filter computer based on the value of that inventory item.

3.1.4.50.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetComputersHavingInventoryItem_InputMessage	A WSDL message containing the request for the ExecuteSPGetComputersHavingInventoryItem **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetComputersHavingInventoryItem_OutputMessage	A WSDL message containing the response for the ExecuteSPGetComputersHavingInventoryItem WSDL operation.

3.1.4.50.1.1 ApiRemotingSoap_ExecuteSPGetComputersHavingInventoryItem Input Message

The ApiRemotingSoap_ExecuteSPGetComputersHavingInventoryItem_InputMessage **WSDL message** contains the request for the ExecuteSPGetComputersHavingInventoryItem **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputersHavingInventoryItemRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetComputersHavingInventoryItem_InputMessage">
  <wsdl:part name="ExecuteSPGetComputersHavingInventoryItem"
element="tns:ExecuteSPGetComputersHavingInventoryItem"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.50.2.1.

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3.1.4.50.1.2 ApiRemotingSoap_ExecuteSPGetComputersHavingInventoryItem Output Message

The ApiRemotingSoap_ExecuteSPGetComputersHavingInventoryItem_OutputMessage **WSDL message** contains the response for the ExecuteSPGetComputersHavingInventoryItem **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputersHavingInventoryItemResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetComputersHavingInventoryItem_OutputMessage">
  <wsdl:part name="ExecuteSPGetComputersHavingInventoryItemResponse"
element="tns:ExecuteSPGetComputersHavingInventoryItemResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.50.2.2.

3.1.4.50.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetComputersHavingInventoryItem	Contains the body for the request of the ExecuteSPGetComputersHavingInventoryItem **WSDL operation**.
ExecuteSPGetComputersHavingInventoryItemResponse	Contains the body for the response of the ExecuteSPGetComputersHavingInventoryItem WSDL operation.

3.1.4.50.2.1 ExecuteSPGetComputersHavingInventoryItem

This element contains the body of the request for the ExecuteSPGetComputersHavingInventoryItem **WSDL operation**. The format is defined in section 3.1.4.50.3.1.

```
<xsd:element name="ExecuteSPGetComputersHavingInventoryItem" nillable="true"
type="tns:ExecuteSPGetComputersHavingInventoryItemRequestBody"/>
```

3.1.4.50.2.2 ExecuteSPGetComputersHavingInventoryItemResponse

This element contains the body of the response for the ExecuteSPGetComputersHavingInventoryItem **WSDL operation**. The format is defined in section 3.1.4.50.3.2.

```
<xsd:element name="ExecuteSPGetComputersHavingInventoryItemResponse" nillable="true"
type="tns:ExecuteSPGetComputersHavingInventoryItemResponseBody"/>
```

3.1.4.50.3 Complex Types

This operation includes the following complex types.

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Complex type	Description
ExecuteSPGetComputersHavingInventoryItemRequestBody	Specifies the inventory item for which reporting client computer information is to be returned.
ExecuteSPGetComputersHavingInventoryItemResponseBody	Contains information about client computers that reported the specified inventory item.

3.1.4.50.3.1 ExecuteSPGetComputersHavingInventoryItemRequestBody

Specifies the inventory item for which reporting client computer information is to be returned.

```
<xsd:complexType name="ExecuteSPGetComputersHavingInventoryItem">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="includeSubgroups" type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="className" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="propertyName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="propertyValue" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

targetGroupId: This field MUST be present and is as specified in section 2.2.4.8.

includeSubgroups: This field MUST be present. If set to TRUE, the server MUST also consider client computers that belong to subgroups of the **target group** as specified by the **targetGroupId** field.

className: This field MUST be present. It denotes the **CIM** class name of the inventory item reported back by the client computer.

propertyName: This field MUST be present. It denotes the name of the property of the CIM class specified by the **className** field. The property resembles the desired inventory item.

propertyValue: This field MUST be present. It contains the value of the requested inventory item.

3.1.4.50.3.2 ExecuteSPGetComputersHavingInventoryItemResponseBody

Contains information about the client computers that reported the specified inventory item.

```
<xsd:complexType name="ExecuteSPGetComputersHavingInventoryItemResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetComputersHavingInventoryItemResult" nillable="true"
type="tns:ArrayOfArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetComputersHavingInventoryItemResult: This field MUST be present. The data type is an ArrayOfArrayOfGenericReadableRow (section 2.2.4.2) complex type, and the specific instance MUST be interpreted as defined in section 2.2.4.2.1.1.

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3.1.4.51 ExecuteSPSearchEventHistory

The ExecuteSPSearchEventHistory **WSDL operation** returns the event history based on the specified event history filter.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPSearchEventHistory">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSearchEventHistoryRequest"
name="ApiRemotingSoap ExecuteSPSearchEventHistory InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPSearchEventHistory_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSearchEventHistoryResponse"
name="ApiRemotingSoap_ExecuteSPSearchEventHistory_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPSearchEventHistory OutputMessage"/>
</wsdl:operation>
```

3.1.4.51.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPSearchEventHistory_InputMessage	A WSDL message containing the request for the ExecuteSPSearchEventHistory **WSDL operation**.
ApiRemotingSoap_ExecuteSPSearchEventHistory_OutputMessage	A WSDL message containing the response for the ExecuteSPSearchEventHistory WSDL operation.

3.1.4.51.1.1 ApiRemotingSoap_ExecuteSPSearchEventHistory Input Message

The **ApiRemotingSoap_ExecuteSPSearchEventHistory_InputMessage WSDL message** contains the request for the **ExecuteSPSearchEventHistory WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSearchEventHistoryRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPSearchEventHistory_InputMessage">
  <wsdl:part name="ExecuteSPSearchEventHistory" element="tns:ExecuteSPSearchEventHistory"/>
</wsdl:message>
```

3.1.4.51.1.2 ApiRemotingSoap_ExecuteSPSearchEventHistory Output Message

The **ApiRemotingSoap_ExecuteSPSearchEventHistory_OutputMessage WSDL message** contains the response for the **ExecuteSPSearchEventHistory WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSearchEventHistoryResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPSearchEventHistory_OutputMessage">
```


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```
  <wsdl:part name="ExecuteSPSearchEventHistoryResponse"
element="tns:ExecuteSPSearchEventHistoryResponse"/>
</wsdl:message>
```

3.1.4.51.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPSearchEventHistory	Contains the body for the request of the ExecuteSPSearchEventHistory **WSDL operation**.
ExecuteSPSearchEventHistoryResponse	Contains the body for the response of the ExecuteSPSearchEventHistory WSDL operation.

3.1.4.51.2.1 ExecuteSPSearchEventHistory

This element contains the body of the ApiRemotingSoap_ExecuteSPSearchEventHistory_InputMessage **WSDL message** defined in section 3.1.4.51.1.1. The format is defined in section 3.1.4.51.3.8.

```
<xsd:element name="ExecuteSPSearchEventHistory" nillable="true"
type="tns:ExecuteSPSearchEventHistoryRequestBody"/>
```

3.1.4.51.2.2 ExecuteSPSearchEventHistoryResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPSearchEventHistory_OutputMessage **WSDL message** defined in section 3.1.4.51.1.2. The format is defined in section 3.1.4.51.3.9.

```
<xsd:element name="ExecuteSPSearchEventHistoryResponse" nillable="true"
type="tns:ExecuteSPSearchEventHistoryResponseBody"/>
```

3.1.4.51.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ArrayOfEventHistoryTableRow	This complex type specifies an array of elements of type EventHistoryTableRow (section 3.1.4.51.3.5).
ArrayOfEventIdFilter	This complex type specifies an array of elements of type EventIdFilter (section 3.1.4.51.3.6).
ArrayOfEventSourceFilter	This complex type specifies an array of elements of type EventSourceFilter (section 3.1.4.51.3.7).
EventHistoryFilter	Contains one or more filters for use in filtering the event history.
EventHistoryTableRow	This complex type specifies information about an event reported by the update server.
EventIdFilter	Contains a specific event ID for which the event history is filtered.

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Complex type	Description
EventSourceFilter	Contains an event source ID for which the event history is filtered.
ExecuteSPSearchEventHistoryRequestBody	The event history filter to use when filtering the event history.
ExecuteSPSearchEventHistoryResponseBody	An array of all of the events in the update server's event history that match the specified filter criteria.
UpdateRevisionIdentifier	The update revision identifier to use when filtering the event history.

3.1.4.51.3.1 ArrayOfEventHistoryTableRow

This complex type specifies an array of elements of type EventHistoryTableRow (section 3.1.4.51.3.5).

```
<xsd:complexType name="ArrayOfEventHistoryTableRow">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="EventHistoryTableRow"
nillable="true" type="tns:EventHistoryTableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

EventHistoryTableRow: This field MUST be present. It contains an instance of an event history item as specified in section 3.1.4.51.3.5.

3.1.4.51.3.2 ArrayOfEventIdFilter

This complex type specifies an array of elements of type EventIdFilter.

```
<xsd:complexType name="ArrayOfEventIdFilter">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="EventIdFilter" nillable="true"
type="tns:EventIdFilter"/>
  </xsd:sequence>
</xsd:complexType>
```

EventIdFilter: This field MUST be present. It specifies the **EventId** of the event filter.

3.1.4.51.3.3 ArrayOfEventSourceFilter

This complex type specifies an array of elements of type EventSourceFilter (section 3.1.4.51.3.7).

```
<xsd:complexType name="ArrayOfEventSourceFilter">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="EventSourceFilter" nillable="true"
type="tns:EventSourceFilter"/>
  </xsd:sequence>
</xsd:complexType>
```

EventSourceFilter: This field MUST be present. It specifies the **SourceId** of the event filter.

3.1.4.51.3.4 EventHistoryFilter

Contains one or more filters for filtering the event history.

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```
<xsd:complexType name="EventHistoryFilter">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="eventInstanceIdFilter" nillable="true"
type="tns:ArrayOfGuid"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="eventIdFilter" nillable="true"
type="tns:ArrayOfEventIdFilter"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="eventSourceFilter" nillable="true"
type="tns:ArrayOfEventSourceFilter"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="eventSeverityFilter" nillable="true"
type="tns:ArrayOfInt"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateFilter" nillable="true"
type="tns:UpdateRevisionIdentifier"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="fromTimeAtTarget" type="xsd:dateTime"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="toTimeAtTarget" type="xsd:dateTime"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="fromTimeAtServer" type="xsd:dateTime"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="toTimeAtServer" type="xsd:dateTime"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="targetId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

eventInstanceIdFilter: This field MUST be present. It represents the InstanceId to use when filtering the event history.

eventIdFilter: This field MUST be present. It specifies the eventId of the event filter.

eventSourceFilter: This field MUST be present. It represents the array of event source filters to use when filtering the event history.

eventSeverityFilter: This field MUST be present. It represents the array of event severity filters to use when filtering the event history.

updateFilter: If present, this field represents the UpdateRevisionIdentifier to use when filtering the event history. If this field is not specified, the update server returns events for all update revisions.

fromTimeAtTarget: This field MUST be present. It represents the **UTC** date and time for the beginning of the range to use with the TimeAtTarget filter.

toTimeAtTarget: This field MUST be present. It represents the UTC date and time for the end of the range to use with the TimeAtTarget filter.

fromTimeAtServer: This field MUST be present. It specifies the UTC date and time for the beginning of the range to use with the TimeAtServer filter.

toTimeAtServer: This field MUST be present. It specifies the UTC date and time for the end of the range to use with the TimeAtServer filter.

targetId: This field MUST be present. It represents the computer target.

3.1.4.51.3.5 EventHistoryTableRow

This complex type contains information about an event reported by the update server.

```
<xsd:complexType name="EventHistoryTableRow">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="EventInstanceId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="EventId" type="xsd:short"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="NamespaceId" type="xsd:int"/>
```


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```
    <xsd:element minOccurs="1" maxOccurs="1" name="SourceId" type="xsd:short"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="TimeAtTarget" type="xsd:dateTime"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="TimeAtServer" type="xsd:dateTime"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="StateId" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="SeverityId" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="Win32HResult" type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="MessageTemplate" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ComputerId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="AppName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="MiscData" nillable="true"
type="tns:ArrayOfString"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ReplacementStrings" nillable="true"
type="tns:ArrayOfString"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="UpdateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="RevisionNumber" type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="DeviceId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

EventInstanceId: This field MUST be present. It specifies a unique identifier that identifies the instance of this event.

EventId: This field MUST be present. It specifies the event identifier.

NamespaceId: This field MUST be present. It identifies the namespace that defines the **EventId**, **EventState**, and **SourceId**.

SourceId: This field MUST be present. It identifies the source of the given namespace.

TimeAtTarget: This field MUST be present. It specifies the time at the target source when the event was generated.

TimeAtServer: This field MUST be present. It specifies the time at the server when the event was generated.

StateId: This field MUST be present. It identifies the state of the event.

SeverityId: This field MUST be present. It specifies the severity of the event.

Win32HResult: This field MUST be present. It determines the win32 error code.

MessageTemplate: This field MUST be present. It specifies the message template corresponding to the event.

ComputerId: This field MUST be present. It determines the Windows security identifier of the client computer. When this field is set to an empty string, the server MUST NOT authenticate the client; otherwise, if the field contains a security identifier, the server MUST authenticate the client computer.

AppName: This field MUST be present. It is the name of the calling application. When the value is NULL, the server MUST send a SOAP fault message as specified in section 3.1.4.1.

MiscData: This field MUST be present. It contains an array of arbitrary string data corresponding to the event.

ReplacementStrings: This field MUST be present. It identifies the replacement string corresponding to the event.

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UpdateId: This field MUST be present. It determines the GUID for the update.

RevisionNumber: This field MUST be present. It specifies the revision number of the event.

DeviceId: This field MUST be present. It specifies the DeviceId as reported during driver installation.

3.1.4.51.3.6 EventIdFilter

The EventId of the event filter.

```
<xsd:complexType name="EventIdFilter">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="NamespaceId" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="EventId" type="xsd:short"/>
  </xsd:sequence>
</xsd:complexType>
```

NamespaceId: This field MUST be present. It identifies the namespace that defines the EventId, EventState, and SourceId.

EventId: This field MUST be present. It specifies the event identifier.

3.1.4.51.3.7 EventSourceFilter

The **SourceId** field of the event filter.

```
<xsd:complexType name="EventSourceFilter">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="NamespaceId" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="SourceId" type="xsd:short"/>
  </xsd:sequence>
</xsd:complexType>
```

NamespaceId: This field MUST be present. It identifies the namespace that defines the **EventId**, **EventState**, and **SourceId** fields.

SourceId: This field MUST be present. It identifies the source of the given namespace.

3.1.4.51.3.8 ExecuteSPSearchEventHistoryRequestBody

The event history filter to use when filtering the event history.

```
<xsd:complexType name="ExecuteSPSearchEventHistoryRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="eventHistoryFilter" nillable="true"
type="tns:EventHistoryFilter"/>
  </xsd:sequence>
</xsd:complexType>
```

eventHistoryFilter: This field MUST be present. It contains one or more filters to use when filtering the event history by using XML.

3.1.4.51.3.9 ExecuteSPSearchEventHistoryResponseBody

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This complex type contains an array of type ArrayOfEventHistoryTableRow (section 3.1.4.51.3.1) of the events in the update server's event history that match the specified filter criteria.

```
<xsd:complexType name="ExecuteSPSearchEventHistoryResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPSearchEventHistoryResult"
nillable="true" type="tns:ArrayOfEventHistoryTableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPSearchEventHistoryResult: This field MUST be present. It contains an array of event history items. The data type is specified in section 3.1.4.51.3.1. If the WSDL operation does not yield any results for the parameters specified, this field MUST be set to an empty array.

3.1.4.51.3.10 UpdateRevisionIdentifier

The update revision identifier to use when filtering the event history.

```
<xsd:complexType name="UpdateRevisionIdentifier">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="UpdateID" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="RevisionNumber" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

UpdateID: This field MUST be present. It determines the global unique identifier for the update.

RevisionNumber: This field MUST be present. It specifies the revision number.

3.1.4.52 ExecuteSPGetComponentsWithErrors

The ExecuteSPGetComponentsWithErrors **WSDL operation** gets the list of server components that are currently in an error state.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetComponentsWithErrors">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComponentsWithErrorsRequest"
name="ApiRemotingSoap_ExecuteSPGetComponentsWithErrors_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetComponentsWithErrors InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComponentsWithErrorsResponse"
name="ApiRemotingSoap ExecuteSPGetComponentsWithErrors OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComponentsWithErrors_OutputMessage"/>
</wsdl:operation>
```

3.1.4.52.1 Messages

This operation includes the following WSDL messages.

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Message	Description
ApiRemotingSoap_ExecuteSPGetComponentsWithErrors_InputMessage	A WSDL message containing the request for the ExecuteSPGetComponentsWithErrors WSDL operation.
ApiRemotingSoap_ExecuteSPGetComponentsWithErrors_OutputMessage	A WSDL message containing the response for the ExecuteSPGetComponentsWithErrors WSDL operation.

3.1.4.52.1.1 ApiRemotingSoap_ExecuteSPGetComponentsWithErrors Input Message

The ApiRemotingSoap_ExecuteSPGetComponentsWithErrors_InputMessage WSDL message contains the request for the ExecuteSPGetComponentsWithErrors WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComponentsWithErrorsRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetComponentsWithErrors_InputMessage">
  <wsdl:part name="ExecuteSPGetComponentsWithErrors"
element="tns:ExecuteSPGetComponentsWithErrors"/>
</wsdl:message>
```

3.1.4.52.1.2 ApiRemotingSoap_ExecuteSPGetComponentsWithErrors Output Message

The ApiRemotingSoap_ExecuteSPGetComponentsWithErrors_OutputMessage WSDL message contains the response for the ExecuteSPGetComponentsWithErrors WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComponentsWithErrorsResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetComponentsWithErrors_OutputMessage">
  <wsdl:part name="ExecuteSPGetComponentsWithErrorsResponse"
element="tns:ExecuteSPGetComponentsWithErrorsResponse"/>
</wsdl:message>
```

3.1.4.52.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetComponentsWithErrors	Contains the body for the request of the ExecuteSPGetComponentsWithErrors **WSDL operation**.
ExecuteSPGetComponentsWithErrorsResponse	Contains the body for the response of the ExecuteSPGetComponentsWithErrors WSDL operation.

3.1.4.52.2.1 ExecuteSPGetComponentsWithErrors

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This element contains the body of the ApiRemotingSoap_ExecuteSPGetComponentsWithErrors_InputMessage **WSDL message** defined in section 3.1.4.52.1.1. The format is defined in section 3.1.4.52.3.1.

```
<xsd:element name="ExecuteSPGetComponentsWithErrors" nillable="true"
type="q1:ExecuteSPGetComponentsWithErrorsRequestBody"/>
```

3.1.4.52.2.2 ExecuteSPGetComponentsWithErrorsResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetComponentsWithErrors_OutputMessage **WSDL message** defined in section 3.1.4.52.1.2. The format is defined in section 3.1.4.52.3.2.

```
<xsd:element name="ExecuteSPGetComponentsWithErrorsResponse" nillable="true"
type="tns:ExecuteSPGetComponentsWithErrorsResponseBody"/>
```

3.1.4.52.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetComponentsWithErrorsRequestBody	Contains the criteria to use when obtaining the error components in the server.
ExecuteSPGetComponentsWithErrorsResponseBody	Contains the components of the server that are in the error state.

3.1.4.52.3.1 ExecuteSPGetComponentsWithErrorsRequestBody

Contains the criteria to use when obtaining the error components in the server.

```
<xsd:complexType name="ExecuteSPGetComponentsWithErrorsRequestBody"/>
```

This complex type doesn't contain any data.

3.1.4.52.3.2 ExecuteSPGetComponentsWithErrorsResponseBody

Contains the components of the server that are in the error state.

```
<xsd:complexType name="ExecuteSPGetComponentsWithErrorsResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetComponentsWithErrorsResult"
nillable="true" type="tns:ArrayOfString"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetComponentsWithErrorsResult: This field MUST be present. It contains the list of server components that are in an error state; otherwise, an empty collection is returned.

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3.1.4.53 ExecuteSPGetUpdateServerStatus

The ExecuteSPGetUpdateServerStatus **WSDL operation** gets a set of status information summarizing the current state of the update server and its client.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetUpdateServerStatus">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateServerStatusRequest"
name="ApiRemotingSoap ExecuteSPGetUpdateServerStatus InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdateServerStatus_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateServerStatusResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdateServerStatus_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetUpdateServerStatus OutputMessage"/>
</wsdl:operation>
```

3.1.4.53.1 Messages

This operation includes the following WSDL messages.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdateServerStatus_InputMessage	A WSDL message containing the request for the ExecuteSPGetUpdateServerStatus WSDL operation.
ApiRemotingSoap_ExecuteSPGetUpdateServerStatus_OutputMessage	A WSDL message containing the response for the ExecuteSPGetUpdateServerStatus WSDL operation.

3.1.4.53.1.1 ApiRemotingSoap_ExecuteSPGetUpdateServerStatus Input Message

The ApiRemotingSoap_ExecuteSPGetUpdateServerStatus_InputMessage WSDL message contains the request for the ExecuteSPGetUpdateServerStatus WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateServerStatusRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdateServerStatus_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdateServerStatus"
element="tns:ExecuteSPGetUpdateServerStatus"/>
</wsdl:message>
```

3.1.4.53.1.2 ApiRemotingSoap_ExecuteSPGetUpdateServerStatus Output Message

The ApiRemotingSoap_ExecuteSPGetUpdateServerStatus_OutputMessage WSDL message contains the response for the ExecuteSPGetUpdateServerStatus WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateServerStatusResponse
```


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```
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdateServerStatus_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdateServerStatusResponse"
element="tns:ExecuteSPGetUpdateServerStatusResponse"/>
</wsdl:message>
```

3.1.4.53.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetUpdateServerStatus	Contains the body for the request of the ExecuteSPGetUpdateServerStatus **WSDL operation**.
ExecuteSPGetUpdateServerStatusResponse	Contains the body for the response of the ExecuteSPGetUpdateServerStatus WSDL operation.

3.1.4.53.2.1 ExecuteSPGetUpdateServerStatus

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdateServerStatus_InputMessage **WSDL message** defined in section 3.1.4.53.1.1. The format is defined in section 3.1.4.53.3.1.

```
<xsd:element name="ExecuteSPGetUpdateServerStatus" nillable="true"
type="tns:ExecuteSPGetUpdateServerStatusRequestBody"/>
```

3.1.4.53.2.2 ExecuteSPGetUpdateServerStatusResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdateServerStatus_OutputMessage **WSDL message** defined in section 3.1.4.53.1.2. The format is defined in section 3.1.4.53.3.2.

```
<xsd:element name="ExecuteSPGetUpdateServerStatusResponse" nillable="true"
type="tns:ExecuteSPGetUpdateServerStatusResponseBody"/>
```

3.1.4.53.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdateServerStatusRequestBody	Contains the criteria for obtaining statistics from the update server and client.
ExecuteSPGetUpdateServerStatusResponseBody	Contains the set of status information statistics from the update server and its client.

3.1.4.53.3.1 ExecuteSPGetUpdateServerStatusRequestBody

Contains the criteria for obtaining statistics from the update server and client.

```
<xsd:complexType name="ExecuteSPGetUpdateServerStatus">
  <xsd:sequence>
```


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```
    <xsd:element minOccurs="1" maxOccurs="1" name="updateSources" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="includeDownstreamComputers"
type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateScopeXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerTargetScopeXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="publicationState" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="propertiesToGet" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

updateSources: If present, this field specifies the source of the updates to include in the status report. The source is expressed as a bitmask, where the following values are possible.

Value	Name	Description
1	MicrosoftUpdate	Include updates that originate from Microsoft Update.
2	Other	Include updates that originate from another source, such as local publishing.

This field MUST be ignored when the value of the **updateScopeXml** field is not NULL.

includeDownstreamComputers: This field SHOULD be present. It specifies whether or not to include computers that synchronize from a downstream. The field is ignored when the value of the computerTargetScopeXml is not NULL.

updateScopeXml: This field contains XML text that specifies the search filters to use for selecting updates If this field is present, the value can be NULL..

computerTargetScopeXml: This field is optional and the value can be NULL. It contains XML text that specifies the search filters to use for selecting computers.

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

publicationState: This field SHOULD be present. It contains the publication state of the updates to get. The field is NULL if the value of updateScopeXml is NULL.

propertiesToGet: This field MUST be present. It contains an enumeration value that specifies the columns to populate.

3.1.4.53.3.2 ExecuteSPGetUpdateServerStatusResponseBody

Contains the set of status information statistics from the update server and its client.

```
<xsd:complexType name="ExecuteSPGetUpdateServerStatusResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetUpdateServerStatusResult"
nillable="true" type="tns:ArrayOfArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```


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ExecuteSPGetUpdateServerStatusResult: This field MUST be present. It contains an array of GenericReadableRow Arrays. The first array contains statistics. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.12.1.

The items in the array MUST contain the following information.

Index	Name	Type	Description
0	UpdateCount	Integer	Contains the number of updates.
1	DeclinedUpdateCount	Integer	Contains the number of declined updates.
2	NotApprovedUpdateCount	Integer	Contains the number of unapproved updates.
3	UpdatesWithStaleUpdateApprovalsCount	Integer	Contains the number of updates with stale update approvals.
4	ExpiredUpdateCount	Integer	Contains the number of expired update.
5	CriticalOrSecurityUpdatesNotApprovedForInstallCount	Integer	Contains the number of critical updates or security updates that are not approved for installation.
6	WusInfrastructureUpdatesNotApprovedForInstallCount	Integer	Contains the number of Windows Update Service infrastructure updates that are not approved for installation.
7	UpdatesWithClientErrorsCount	Integer	Contains the number of updates with client errors.
8	UpdatesWithServerErrorsCount	Integer	Contains the number of updates with server errors.
9	UpdatesNeedingFilesCount	Integer	Contains the number of updates that require files.
10	CustomComputerTargetGroupCount	Integer	Contains the number of custom computer **target groups**.
11	ComputerTargetCount	Integer	Contains the number of computer targets.
12	ComputerTargetsNeedingUpdatesCount	Integer	Contains the number of computer targets that require updates.
13	ComputerTargetsWithUpdateErrorsCount	Integer	Contains the number of computer targets with update errors.
14	ApprovedUpdateCount	Integer	Contains the number of approved updates.
15	UpdatesNeededByComputersCount	Integer	Contains the number of updates required by the computer.
16	ShouldDeleteUnneededRevisions	Integer	If set to a nonzero value, the update server MUST delete any

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Index	Name	Type	Description
			update revisions that are no longer required.
17	UpdatesUpToDateCount	Integer	The number of updates that are up-to-date.
18	ComputersUpToDateCount	Integer	The number of computers that are up-to-date.

The second array contains a list of target group names that were requested by client computers connected to the update server. The list does not include target group names that were assigned to the client computers by the server.

Index	Name	Type	Description
0	Name	String	The name of the requested target group.

3.1.4.54 ExecuteSPGetDownstreamServerRollupSummary

The ExecuteSPGetDownstreamServerRollupSummary WSDL operation retrieves a set of status information summarizing the current state of the specified update server and its client computers.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetDownstreamServerRollupSummary">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDownstreamServerRollupSummaryRequest"
name="ApiRemotingSoap_ExecuteSPGetDownstreamServerRollupSummary_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetDownstreamServerRollupSummary InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetDownstreamServerRollupSummaryResponse"
name="ApiRemotingSoap ExecuteSPGetDownstreamServerRollupSummary OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetDownstreamServerRollupSummary OutputMessage"/>
</wsdl:operation>
```

3.1.4.54.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetDownstreamServerRollupSummary_InputMessage	A WSDL message containing the request for the ExecuteSPGetDownstreamServerRollupSummary WSDL operation.
ApiRemotingSoap_ExecuteSPGetDownstreamServerRollupSummary_OutputMessage	A WSDL message containing the response for the ExecuteSPGetDownstreamServerRollupSummary WSDL operation.

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3.1.4.54.1.1 ApiRemotingSoap_ExecuteSPGetDownstreamServerRollupSummary Input Message

The ApiRemotingSoap_ExecuteSPGetDownstreamServerRollupSummary_InputMessage WSDL message contains the request for the ExecuteSPGetDownstreamServerRollupSummary WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetDownstreamServerRollupSummaryRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetDownstreamServerRollupSummary_InputMessage">
  <wsdl:part name="ExecuteSPGetDownstreamServerRollupSummary"
element="tns:ExecuteSPGetDownstreamServerRollupSummary"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.54.2.1.

3.1.4.54.1.2 ApiRemotingSoap_ExecuteSPGetDownstreamServerRollupSummary Output Message

The ApiRemotingSoap_ExecuteSPGetDownstreamServerRollupSummary_OutputMessage WSDL message contains the response for the ExecuteSPGetDownstreamServerRollupSummary WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetDownstreamServerRollupSummaryResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetDownstreamServerRollupSummary_OutputMessage">
  <wsdl:part name="ExecuteSPGetDownstreamServerRollupSummaryResponse"
element="tns:ExecuteSPGetDownstreamServerRollupSummaryResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.54.2.2.

3.1.4.54.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetDownstreamServerRollupSummary	Contains the body for the request of the ExecuteSPGetDownstreamServerRollupSummary WSDL operation.
ExecuteSPGetDownstreamServerRollupSummaryResponse	Contains the body for the response of the ExecuteSPGetDownstreamServerRollupSummary WSDL operation.

3.1.4.54.2.1 ExecuteSPGetDownstreamServerRollupSummary

This element contains the body of the request for the ExecuteSPGetDownstreamServerRollupSummary WSDL operation. The format is defined in section 3.1.4.54.3.1.

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```
<xsd:element name="ExecuteSPGetDownstreamServerRollupSummary" nillable="true"
type="tns:ExecuteSPGetDownstreamServerRollupSummaryRequestBody"/>
```

3.1.4.54.2.2 ExecuteSPGetDownstreamServerRollupSummaryResponse

This element contains the body of the response for the ExecuteSPGetDownstreamServerRollupSummary WSDL operation. The format is defined in section 3.1.4.54.3.2.

```
<xsd:element name="ExecuteSPGetDownstreamServerRollupSummaryResponse" nillable="true"
type="tns:ExecuteSPGetDownstreamServerRollupSummaryResponseBody"/>
```

3.1.4.54.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetDownstreamServerRollupSummaryRequestBody	Contains the GUID of the downstream server for which rollup status information is returned.
ExecuteSPGetDownstreamServerRollupSummaryResponseBody	Contains the rollup summary information of the specified downstream server and its client computers.

3.1.4.54.3.1 ExecuteSPGetDownstreamServerRollupSummaryRequestBody

Contains the **GUID** of the downstream server for which rollup status information is returned.

```
<xsd:complexType name="ExecuteSPGetDownstreamServerRollupSummary">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="serverId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

serverId: This field MUST be present and contains the GUID of the **downstream server**.

3.1.4.54.3.2 ExecuteSPGetDownstreamServerRollupSummaryResponseBody

Contains the rollup summary information of the specified **downstream server** and its client computers.

```
<xsd:complexType name="ExecuteSPGetDownstreamServerRollupSummaryResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetDownstreamServerRollupSummaryResult" nillable="true"
type="tns:ArrayOfArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetDownstreamServerRollupSummaryResult: This field MUST be present. The ArrayOfArrayOfGenericReadableRow (section 2.2.4.2) array MUST have two entries in the array,

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each being of the ArrayOfGenericReadableRow (section 2.2.4.3) type. The first entry MUST have exactly one item of type GenericReadableRow (section 2.2.4.12), which MUST contain the following downstream server statistics data:

Index	Name	Type	Description
0	UpdateCount	Integer	The total number of updates in the **update server**. This value MUST include unapproved, approved, and declined updates.
1	DeclinedUpdateCount	Integer	The number of declined updates on the update server. By definition, declined updates MUST only contain unapproved updates.
2	NotApproveddUpdateCount	Integer	The number of updates on the update server that have neither been approved nor declined.
3	ExpiredUpdateCount	Integer	The number of updates on the update server for which the latest revision is marked as expired by the publisher of the update. This value MUST NOT contain declined updates, but MUST contain both approved and unapproved updates.
4	CriticalUpdatesNotApproved-ForInstallCount	Integer	The number of critical updates or security updates on the update server that are not approved for installation. This value MUST NOT include declined or expired updates. It MUST include approved and unapproved updates as long as these are not approved for installation.
5	WsusUpdatesNotApprovedFor-InstallCount	Integer	The number of WSUS infrastructure updates on the update server that are not approved for installation. It MUST include both approved and unapproved updates that are not marked for installation. It MUST NOT include declined or expired updates.
6	UpdatesWithClientErrorsCount	Integer	The number of updates on the update server that have at least one client ComputerTarget currently in a failed state for that update. This value MUST only include updates that have been approved for installation.
7	UpdatesWithServerErrorsCount	Integer	The number of updates on the update server for which the value of the UpdateState Simple Type (section 2.2.5.11) is equal to Failed or LicenseAgreementFailed.
8	UpdatesNeedingFilesCount	Integer	The number of updates on the server that do not have all the files downloaded that are necessary for the update to be installed on a client computer. This value MUST contain both unapproved and approved updates.
9	CustomComputerTargetGroup-Count	Integer	The number of administrator-created target groups on the update server. This value MUST NOT include the built-in groups All Computers, Downstream Servers, and Unassigned Computers.
10	ComputerTargetCount	Integer	The number of client computers known to the update server.
11	ComputerTargetsNeeding-UpdatesCount	Integer	The number of client computers with at least one update assigned and approved for installation that is not yet installed. This value MUST only include

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Index	Name	Type	Description
			updates for which the value of the DeploymentAction (section 2.2.5.3) is defined as PreDeploymentCheck or Install.
12	ComputerTargetsWithUpdate-ErrorsCount	Integer	The number of client computers with at least one update for which the value of UpdateInstallationState (section 2.2.5.1) is Failed.
13	ApprovedUpdateCount	Integer	The number of updates on the update server that have been approved.
14	UpdatesNeededByComputers-Count	Integer	The number of updates on the update server that are needed by one or more client computers.
15	ShouldDeleteUnneededRevisions	Bool	TRUE, if unneeded revisions are to be deleted; otherwise, FALSE if no action is currently necessary. This value serves merely as a recommendation to administrators of the update server.
16	UpdatesUpToDateCount	Integer	The number of updates on the update server for which all updates are equal to the Installed or NotApplicable values of the UpdateInstallationState Enumeration (section 2.2.5.1).
17	ComputersUpToDateCount	Integer	The number of client computers for which all updates are equal to the "Installed" or "NotApplicable" values of the UpdateInstallationState (section 2.2.5.1) enumeration.

The second entry contains an empty array. Future versions can use this entry to report back a list of **target group** names that have been requested by the client computers known to the update server.

3.1.4.55 ExecuteSPGetFailedToDownloadUpdatesCount

The ExecuteSPGetFailedToDownloadUpdatesCount **WSDL operation** gets the count of updates that are not declined, but which failed to download.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetFailedToDownloadUpdatesCount">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetFailedToDownloadUpdatesCountRequest"
name="ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetFailedToDownloadUpdatesCountResponse"
name="ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount_OutputMessage"/>
</wsdl:operation>
```

3.1.4.55.1 Messages

This operation includes the following **WSDL messages**.

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Message	Description
ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount_InputMessage	A WSDL message containing the request for the ExecuteSPGetFailedToDownloadUpdatesCount WSDL operation.
ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount_OutputMessage	A WSDL message containing the response for the ExecuteSPGetFailedToDownloadUpdatesCount WSDL operation.

3.1.4.55.1.1 ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount Input Message

The ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount_InputMessage WSDL message contains the request for the ExecuteSPGetFailedToDownloadUpdatesCount WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetFailedToDownloadUpdatesCountRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount_InputMessage">
  <wsdl:part name="ExecuteSPGetFailedToDownloadUpdatesCount"
element="tns:ExecuteSPGetFailedToDownloadUpdatesCount"/>
</wsdl:message>
```

3.1.4.55.1.2 ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount Output Message

The ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount_OutputMessage WSDL message contains the response for the ExecuteSPGetFailedToDownloadUpdatesCount WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetFailedToDownloadUpdatesCountResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount_OutputMessage">
  <wsdl:part name="ExecuteSPGetFailedToDownloadUpdatesCountResponse"
element="tns:ExecuteSPGetFailedToDownloadUpdatesCountResponse"/>
</wsdl:message>
```

3.1.4.55.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetFailedToDownloadUpdatesCount	Contains the body for the request of the ExecuteSPGetFailedToDownloadUpdatesCount **WSDL operation**.
ExecuteSPGetFailedToDownloadUpdatesCountResponse	Contains the body for the response of the ExecuteSPGetFailedToDownloadUpdatesCount WSDL operation.

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3.1.4.55.2.1 ExecuteSPGetFailedToDownloadUpdatesCount

This element contains the body of the ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount_InputMessage **WSDL message** defined in section 3.1.4.55.1.1.

```
<xsd:element name="ExecuteSPGetFailedToDownloadUpdatesCount" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.55.2.2 ExecuteSPGetFailedToDownloadUpdatesCountResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetFailedToDownloadUpdatesCount_OutputMessage **WSDL message** defined in section 3.1.4.55.1.2.

```
<xsd:element name="ExecuteSPGetFailedToDownloadUpdatesCountResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1"
name="ExecuteSPGetFailedToDownloadUpdatesCountResult" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ExecuteSPGetFailedToDownloadUpdatesCountResult: This field MUST be present. It contains the number of updates that are not declined, but which failed to download.

3.1.4.56 GetSubscription

The GetSubscription **WSDL operation** gets the server subscription details. This operation requires WSUS Reporter privileges.

This operation is specified by the following WSDL.

```
<wsdl:operation name="GetSubscription">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetSubscriptionRequest" name="ApiRemotingSoap_GetSubscription_InputMessage"
message="tns:ApiRemotingSoap GetSubscription InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetSubscriptionResponse" name="ApiRemotingSoap_GetSubscription_OutputMessage"
message="tns:ApiRemotingSoap GetSubscription OutputMessage"/>
</wsdl:operation>
```

3.1.4.56.1 Messages

This operation includes the following WSDL messages.

Message	Description
ApiRemotingSoap_GetSubscription_InputMessage	A WSDL message containing the request for the GetSubscription WSDL operation.

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Message	Description
ApiRemotingSoap_GetSubscription_OutputMessage	A WSDL message containing the response for the GetSubscription WSDL operation.

3.1.4.56.1.1 ApiRemotingSoap_GetSubscription Input Message

The ApiRemotingSoap_GetSubscription_InputMessage WSDL message contains the request for the GetSubscription WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tSubscriptionRequest
<wsdl:message name="ApiRemotingSoap GetSubscription InputMessage">
  <wsdl:part name="GetSubscription" element="tns:GetSubscription"/>
</wsdl:message>
```

3.1.4.56.1.2 ApiRemotingSoap_GetSubscription Output Message

The ApiRemotingSoap_GetSubscription_OutputMessage WSDL message contains the response for the GetSubscription WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tSubscriptionResponse
<wsdl:message name="ApiRemotingSoap_GetSubscription_OutputMessage">
  <wsdl:part name="GetSubscriptionResponse" element="tns:GetSubscriptionResponse"/>
</wsdl:message>
```

3.1.4.56.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
GetSubscription	Contains the body for the request of the GetSubscription **WSDL operation**.
GetSubscriptionResponse	Contains the body for the response of the GetSubscription WSDL operation.

3.1.4.56.2.1 GetSubscription

This element contains the body of the ApiRemotingSoap_GetSubscription_InputMessage **WSDL message** defined in section 3.1.4.56.1.1. The format is defined in section 3.1.4.56.3.1.

```
<xsd:element name="GetSubscription" nillable="true" type="q1:GetSubscriptionRequestBody"/>
```

3.1.4.56.2.2 GetSubscriptionResponse

This element contains the body of the ApiRemotingSoap_GetSubscription_OutputMessage **WSDL message** defined in section 3.1.4.56.1.2. The format is defined in section 3.1.4.56.3.2.

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```
<xsd:element name="GetSubscriptionResponse" nillable="true"
type="tns:GetSubscriptionResponseBody"/>
```

3.1.4.56.3 Complex Types

This operation includes the following complex types.

Complex type	Description
GetSubscriptionRequestBody	Contains the search criteria.
GetSubscriptionResponseBody	Contains the server subscription details.

3.1.4.56.3.1 GetSubscriptionRequestBody

Contains the search criteria. This complex type does not contain any data.

```
<xsd:complexType name="GetSubscriptionRequestBody"/>
```

3.1.4.56.3.2 GetSubscriptionResponseBody

Contains the server subscription details.

```
<xsd:complexType name="GetSubscriptionResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="GetSubscriptionResult" nillable="true"
type="tns:SubscriptionTableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

GetSubscriptionResult: This field MUST be present. It contains the details about the server subscription. The format is defined in section 2.2.4.14.

3.1.4.57 GetSubscriptionCategories

The GetSubscriptionCategories WSDL operation gets the categories for a subscription.

This operation is specified by the following WSDL.

```
<wsdl:operation name="GetSubscriptionCategories">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetSubscriptionCategoriesRequest"
name="ApiRemotingSoap GetSubscriptionCategories InputMessage"
message="tns:ApiRemotingSoap_GetSubscriptionCategories_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetSubscriptionCategoriesResponse"
name="ApiRemotingSoap GetSubscriptionCategories OutputMessage"
message="tns:ApiRemotingSoap_GetSubscriptionCategories_OutputMessage"/>
</wsdl:operation>
```


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3.1.4.57.1 Messages

This operation includes the following WSDL messages.

Message	Description
ApiRemotingSoap_GetSubscriptionCategories_InputMessage	A WSDL message containing the request for the GetSubscriptionCategories WSDL operation.
ApiRemotingSoap_GetSubscriptionCategories_OutputMessage	A WSDL message containing the response for the GetSubscriptionCategories WSDL operation.

3.1.4.57.1.1 ApiRemotingSoap_GetSubscriptionCategories Input Message

The ApiRemotingSoap_GetSubscriptionCategories_InputMessage WSDL message contains the request for the GetSubscriptionCategories WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tSubscriptionCategoriesRequest
<wsdl:message name="ApiRemotingSoap_GetSubscriptionCategories_InputMessage">
  <wsdl:part name="GetSubscriptionCategories" element="tns:GetSubscriptionCategories"/>
</wsdl:message>
```

3.1.4.57.1.2 ApiRemotingSoap_GetSubscriptionCategories Output Message

The ApiRemotingSoap_GetSubscriptionCategories_OutputMessage WSDL message contains the response for the GetSubscriptionCategories WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tSubscriptionCategoriesResponse
<wsdl:message name="ApiRemotingSoap_GetSubscriptionCategories_OutputMessage">
  <wsdl:part name="GetSubscriptionCategoriesResponse"
element="tns:GetSubscriptionCategoriesResponse"/>
</wsdl:message>
```

3.1.4.57.2 Elements

This operation includes the following WSDL elements.

Element	Description
GetSubscriptionCategories	Contains the body for the request of the GetSubscriptionCategories **WSDL operation**.
GetSubscriptionCategoriesResponse	Contains the body for the response of the GetSubscriptionCategories WSDL operation.

3.1.4.57.2.1 GetSubscriptionCategories

This element contains the body of the ApiRemotingSoap_GetSubscriptionCategories_InputMessage **WSDL message** defined in section 3.1.4.57.1.1. The format is defined in section 3.1.4.57.3.1.

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```
<xsd:element name="GetSubscriptionCategories" nillable="true"
type="tns:GetSubscriptionCategoriesRequestBody"/>
```

3.1.4.57.2.2 GetSubscriptionCategoriesResponse

This element contains the body of the ApiRemotingSoap_GetSubscriptionCategories_OutputMessage **WSDL message** defined in section 3.1.4.57.1.2. The format is defined in section 3.1.4.57.3.2.

```
<xsd:element name="GetSubscriptionCategoriesResponse" nillable="true"
type="tns:GetSubscriptionCategoriesResponseBody"/>
```

3.1.4.57.3 Complex Types

This operation includes the following complex types.

Complex type	Description
GetSubscriptionCategoriesRequestBody	Contains the request criteria about the subscription categories.
GetSubscriptionCategoriesResponseBody	Contains data about the categories for a subscription.

3.1.4.57.3.1 GetSubscriptionCategoriesRequestBody

Contains the request criteria about the subscription categories.

```
<xsd:complexType name="GetSubscriptionCategoriesRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="retrieveUpdateClassifications"
type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

retrieveUpdateClassifications: This field MUST be present. The value is a Boolean which when set to TRUE indicates that update classifications for a subscription are retrieved; otherwise, update categories are retrieved.

3.1.4.57.3.2 GetSubscriptionCategoriesResponseBody

Contains data about the categories for a subscription.

```
<xsd:complexType name="GetSubscriptionCategoriesResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="GetSubscriptionCategoriesResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
```


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```
</xsd:complexType>
```

GetSubscriptionCategoriesResult: This field MUST be present. It contains an array of Subscription Categories. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (defined in section 2.2.4.12).

3.1.4.58 GetSubscriptionNextSynchronizationTime

The GetSubscriptionNextSynchronizationTime WSDL operation gets the next synchronization time for the server. When a subscription is not scheduled, the operation returns the next subscription run time for a scheduled subscription as a **UTC** date time or DateTime.MinValue value.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="GetSubscriptionNextSynchronizationTime">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetSubscriptionNextSynchronizationTimeRequest"
name="ApiRemotingSoap_GetSubscriptionNextSynchronizationTime_InputMessage"
message="tns:ApiRemotingSoap GetSubscriptionNextSynchronizationTime InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetSubscriptionNextSynchronizationTimeResponse"
name="ApiRemotingSoap_GetSubscriptionNextSynchronizationTime_OutputMessage"
message="tns:ApiRemotingSoap_GetSubscriptionNextSynchronizationTime_OutputMessage"/>
</wsdl:operation>
```

3.1.4.58.1 Messages

This operation includes the following **WSDL message**.

Message	Description
ApiRemotingSoap_GetSubscriptionNextSynchronizationTime_InputMessage	A WSDL message containing the request for the GetSubscriptionNextSynchronizationTime WSDL operation.
ApiRemotingSoap_GetSubscriptionNextSynchronizationTime_OutputMessage	A WSDL message containing the response for the GetSubscriptionNextSynchronizationTime WSDL operation.

3.1.4.58.1.1 ApiRemotingSoap_GetSubscriptionNextSynchronizationTime Input Message

The ApiRemotingSoap_GetSubscriptionNextSynchronizationTime_InputMessage **WSDL message** contains the request for the GetSubscriptionNextSynchronizationTime **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tSubscriptionNextSynchronizationTimeRequest
<wsdl:message name="ApiRemotingSoap_GetSubscriptionNextSynchronizationTime_InputMessage">
  <wsdl:part name="GetSubscriptionNextSynchronizationTime"
element="tns:GetSubscriptionNextSynchronizationTime"/>
</wsdl:message>
```


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3.1.4.58.1.2 ApiRemotingSoap_GetSubscriptionNextSynchronizationTime Output Message

The ApiRemotingSoap_GetSubscriptionNextSynchronizationTime_OutputMessage **WSDL message** contains the response for the GetSubscriptionNextSynchronizationTime **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tSubscriptionNextSynchronizationTimeResponse
<wsdl:message name="ApiRemotingSoap_GetSubscriptionNextSynchronizationTime_OutputMessage">
  <wsdl:part name="GetSubscriptionNextSynchronizationTimeResponse"
element="tns:GetSubscriptionNextSynchronizationTimeResponse"/>
</wsdl:message>
```

3.1.4.58.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
GetSubscriptionNextSynchronizationTime	Contains the body for the request of the **GetSubscriptionNextSynchronizationTime WSDL operation**.
GetSubscriptionNextSynchronizationTimeResponse	Contains the body for the response of the **GetSubscriptionNextSynchronizationTime** WSDL operation.

3.1.4.58.2.1 GetSubscriptionNextSynchronizationTime

Contains the body for the request of the **GetSubscriptionNextSynchronizationTime WSDL operation**. This element does not contain any data.

```
<xsd:element name="GetSubscriptionNextSynchronizationTime" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.58.2.2 GetSubscriptionNextSynchronizationTimeResponse

Contains the body for the response of the GetSubscriptionNextSynchronizationTime **WSDL operation**.

```
<xsd:element name="GetSubscriptionNextSynchronizationTimeResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1"
name="GetSubscriptionNextSynchronizationTimeResult" type="xsd:dateTime"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```


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GetSubscriptionNextSynchronizationTimeResult: This field MUST be present. It contains the next synchronization time details for the server.

3.1.4.59 SetSubscription

The SetSubscription WSDL operation sets the update categories and classifications that are synchronized as part of this subscription. This data contains the array of IDs for the categories to be saved for the subscription.

This operation is specified by the following WSDL.

```
<wsdl:operation name="SetSubscription">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetSubscriptionRequest" name="ApiRemotingSoap SetSubscription InputMessage"
message="tns:ApiRemotingSoap_SetSubscription_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetSubscriptionResponse" name="ApiRemotingSoap_SetSubscription_OutputMessage"
message="tns:ApiRemotingSoap SetSubscription OutputMessage"/>
</wsdl:operation>
```

3.1.4.59.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_SetSubscription_InputMessage	A WSDL message containing the request for the SetSubscription WSDL operation.
ApiRemotingSoap_SetSubscription_OutputMessage	A WSDL message ontaining the response for the SetSubscription WSDL operation.

3.1.4.59.1.1 ApiRemotingSoap_SetSubscription Input Message

The ApiRemotingSoap_SetSubscription_InputMessage WSDL message contains the request for the SetSubscription WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Se
tSubscriptionRequest
<wsdl:message name="ApiRemotingSoap_SetSubscription_InputMessage">
  <wsdl:part name="SetSubscription" element="tns:SetSubscription"/>
</wsdl:message>
```

3.1.4.59.1.2 ApiRemotingSoap_SetSubscription Output Message

The **ApiRemotingSoap_SetSubscription_OutputMessage** **WSDL message** contains the response for the **SetSubscription** **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/SetSubscriptionResponse
<wsdl:message name="ApiRemotingSoap_SetSubscription_OutputMessage">
  <wsdl:part name="SetSubscriptionResponse" element="tns:SetSubscriptionResponse"/>
</wsdl:message>
```

3.1.4.59.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
SetSubscription	Contains the body for the request of the **SetSubscription WSDL operation**.
SetSubscriptionResponse	Contains the body for the response of the **SetSubscription** WSDL operation.

3.1.4.59.2.1 SetSubscription

This element contains the body of the ApiRemotingSoap_SetSubscription_InputMessage **WSDL message** defined in section 3.1.4.59.1.1. The format is defined in section 3.1.4.59.3.1.

```
<xsd:element name="SetSubscription" nillable="true" type="tns:SetSubscriptionRequestBody"/>
```

3.1.4.59.2.2 SetSubscriptionResponse

This element contains the body of the ApiRemotingSoap_SetSubscription_OutputMessage WSDL message defined in section 3.1.4.59.1.2. The format is defined in section 3.1.4.59.3.2.

```
<xsd:element name="SetSubscriptionResponse" nillable="true"
type="q1:SetSubscriptionResponseBody"/>
```

3.1.4.59.3 Complex Types

This operation includes the following complex types.

Complex type	Description
SetSubscriptionRequestBody	Contains information about the subscription for the server.
SetSubscriptionResponseBody	Contains the response of the set subscription.

3.1.4.59.3.1 SetSubscriptionRequestBody

Contains information about the subscription for the server.

```
<xsd:complexType name="SetSubscriptionRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="subscription" nillable="true"
type="tns:SubscriptionTableRow"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="categoryIds" nillable="true"
type="tns:ArrayOfGuid"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateClassificationIds" nillable="true"
type="tns:ArrayOfGuid"/>
```


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```
    <xsd:element minOccurs="0" maxOccurs="1" name="userName" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

subscription: This field MUST be present. It contains the subscription information to be saved. See SubscriptionTableRow Complex Type (section 2.2.4.14) for more information.

categoryIds: If present, this field contains an array of IDs for the categories to be synchronized as part of the subscription. If this field is empty, it is set to NULL.

updateClassificationIds: If present, this field contains an array of IDs for the update classifications to be synchronized as part of the subscription. If this field is empty, it is set to NULL.

userName: This field MUST be present. It contains the name of the user in DOMAIN\name format.

3.1.4.59.3.2 SetSubscriptionResponseBody

Contains the response of the set subscription. This complex type does not contain any data.

```
<xsd:complexType name="SetSubscriptionResponseBody"/>
```

3.1.4.60 SetSubscriptionFrequency

The **SetSubscriptionFrequency** **WSDL operation** sets the number of synchronizations per day for the subscription.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="SetSubscriptionFrequency">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetSubscriptionFrequencyRequest"
name="ApiRemotingSoap_SetSubscriptionFrequency_InputMessage"
message="tns:ApiRemotingSoap_SetSubscriptionFrequency_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetSubscriptionFrequencyResponse"
name="ApiRemotingSoap_SetSubscriptionFrequency_OutputMessage"
message="tns:ApiRemotingSoap_SetSubscriptionFrequency_OutputMessage"/>
</wsdl:operation>
```

3.1.4.60.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_SetSubscriptionFrequency_InputMessage	A WSDL message containing the request for the **SetSubscriptionFrequency** **WSDL operation**.
ApiRemotingSoap_SetSubscriptionFrequency_OutputMessage	A WSDL message containing the response for the **SetSubscriptionFrequency** WSDL operation.

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3.1.4.60.1.1 ApiRemotingSoap_SetSubscriptionFrequency Input Message

The **ApiRemotingSoap_SetSubscriptionFrequency_InputMessage** **WSDL message** contains the request for the **SetSubscriptionFrequency** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Se
tSubscriptionFrequencyRequest
<wsdl:message name="ApiRemotingSoap_SetSubscriptionFrequency_InputMessage">
  <wsdl:part name="SetSubscriptionFrequency" element="tns:SetSubscriptionFrequency"/>
</wsdl:message>
```

3.1.4.60.1.2 ApiRemotingSoap_SetSubscriptionFrequency Output Message

The **ApiRemotingSoap_SetSubscriptionFrequency_OutputMessage** **WSDL message** contains the response for the **SetSubscriptionFrequency** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Se
tSubscriptionFrequencyResponse
<wsdl:message name="ApiRemotingSoap_SetSubscriptionFrequency_OutputMessage">
  <wsdl:part name="SetSubscriptionFrequencyResponse"
element="tns:SetSubscriptionFrequencyResponse"/>
</wsdl:message>
```

3.1.4.60.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
SetSubscriptionFrequency	Contains the body for the request of the **SetSubscriptionFrequency** **WSDL operation**.
SetSubscriptionFrequencyResponse	Contains the body for the response of the **SetSubscriptionFrequency** WSDL operation.

3.1.4.60.2.1 SetSubscriptionFrequency

Contains the body for the request of the SetSubscriptionFrequency **WSDL operation**.

```
<xsd:element name="SetSubscriptionFrequency" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="numberOfSynchronizationsPerDay"
type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

numberOfSynchronizationsPerDay: This field MUST be present. It contains the frequency for setting the server subscription. A protocol server implementation synchronizes updates up to once

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every hour per day. The range of values for the numberOfSynchronizationsPerDay element is less than 1 or greater than 24.

3.1.4.60.2.2 SetSubscriptionFrequencyResponse

Contains the body for the response of the **SetSubscriptionFrequency** **WSDL operation**. This element does not contain any data.

```
<xsd:element name="SetSubscriptionFrequencyResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.61 SetSubscriptionLastSynchronizationTime

The **SetSubscriptionLastSynchronizationTime** **WSDL operation** saves the last run time of the server subscription.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="SetSubscriptionLastSynchronizationTime">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetSubscriptionLastSynchronizationTimeRequest"
name="ApiRemotingSoap_SetSubscriptionLastSynchronizationTime_InputMessage"
message="tns:ApiRemotingSoap_SetSubscriptionLastSynchronizationTime_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetSubscriptionLastSynchronizationTimeResponse"
name="ApiRemotingSoap_SetSubscriptionLastSynchronizationTime_OutputMessage"
message="tns:ApiRemotingSoap_SetSubscriptionLastSynchronizationTime_OutputMessage"/>
</wsdl:operation>
```

3.1.4.61.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_SetSubscriptionLastSynchronizationTime_InputMessage	A WSDL message containing the request for the **SetSubscriptionLastSynchronizationTime** **WSDL operation**.
ApiRemotingSoap_SetSubscriptionLastSynchronizationTime_OutputMessage	A WSDL message containing the response for the **SetSubscriptionLastSynchronizationTime** WSDL operation.

3.1.4.61.1.1 ApiRemotingSoap_SetSubscriptionLastSynchronizationTime Input Message

The **ApiRemotingSoap_SetSubscriptionLastSynchronizationTime_InputMessage** **WSDL message** contains the request for the **SetSubscriptionLastSynchronizationTime** **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/SetSubscriptionLastSynchronizationTimeRequest
<wsdl:message name="ApiRemotingSoap_SetSubscriptionLastSynchronizationTime_InputMessage">
  <wsdl:part name="SetSubscriptionLastSynchronizationTime"
element="tns:SetSubscriptionLastSynchronizationTime"/>
</wsdl:message>
```

3.1.4.61.1.2 ApiRemotingSoap_SetSubscriptionLastSynchronizationTime Output Message

The **ApiRemotingSoap_SetSubscriptionLastSynchronizationTime_OutputMessage** **WSDL message** contains the response for the **SetSubscriptionLastSynchronizationTime** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/SetSubscriptionLastSynchronizationTimeResponse
<wsdl:message name="ApiRemotingSoap_SetSubscriptionLastSynchronizationTime_OutputMessage">
  <wsdl:part name="SetSubscriptionLastSynchronizationTimeResponse"
element="tns:SetSubscriptionLastSynchronizationTimeResponse"/>
</wsdl:message>
```

3.1.4.61.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
SetSubscriptionLastSynchronizationTime	Contains the body for the request of the **SetSubscriptionLastSynchronizationTime** **WSDL operation**.
SetSubscriptionLastSynchronizationTimeResponse	Contains the body for the response of the **SetSubscriptionLastSynchronizationTime** WSDL operation.

3.1.4.61.2.1 SetSubscriptionLastSynchronizationTime

Contains the body for the request of the SetSubscriptionLastSynchronizationTime **WSDL operation**.

```
<xsd:element name="SetSubscriptionLastSynchronizationTime" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="lastSynchronizationTime"
type="xsd:dateTime"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

lastSynchronizationTime: This field MUST be present. It contains the last synchronization time for setting the subscription.

3.1.4.61.2.2 SetSubscriptionLastSynchronizationTimeResponse

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Contains the body for the response of the **SetSubscriptionLastSynchronizationTime WSDL operation**. This element does not contain any data.

```
<xsd:element name="SetSubscriptionLastSynchronizationTimeResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.62 GetAutomaticUpdateApprovalRules

The **GetAutomaticUpdateApprovalRules WSDL operation** returns complete automatic update approval rules.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="GetAutomaticUpdateApprovalRules">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetAutomaticUpdateApprovalRulesRequest"
name="ApiRemotingSoap_GetAutomaticUpdateApprovalRules_InputMessage"
message="tns:ApiRemotingSoap GetAutomaticUpdateApprovalRules InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetAutomaticUpdateApprovalRulesResponse"
name="ApiRemotingSoap_GetAutomaticUpdateApprovalRules_OutputMessage"
message="tns:ApiRemotingSoap GetAutomaticUpdateApprovalRules OutputMessage"/>
</wsdl:operation>
```

3.1.4.62.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_GetAutomaticUpdateApprovalRules_InputMessage	A WSDL message containing the request for the **GetAutomaticUpdateApprovalRules WSDL operation**.
ApiRemotingSoap_GetAutomaticUpdateApprovalRules_OutputMessage	A WSDL message containing the response for the **GetAutomaticUpdateApprovalRules** WSDL operation.

3.1.4.62.1.1 ApiRemotingSoap_GetAutomaticUpdateApprovalRules Input Message

The **ApiRemotingSoap_GetAutomaticUpdateApprovalRules_InputMessage WSDL message** contains the request for the **GetAutomaticUpdateApprovalRules WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tAutomaticUpdateApprovalRulesRequest
<wsdl:message name="ApiRemotingSoap GetAutomaticUpdateApprovalRules InputMessage">
  <wsdl:part name="GetAutomaticUpdateApprovalRules"
element="tns:GetAutomaticUpdateApprovalRules"/>
</wsdl:message>
```


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3.1.4.62.1.2 ApiRemotingSoap_GetAutomaticUpdateApprovalRules Output Message

The **ApiRemotingSoap_GetAutomaticUpdateApprovalRules_OutputMessage** **WSDL message** contains the response for the **GetAutomaticUpdateApprovalRules** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tAutomaticUpdateApprovalRulesResponse
<wsdl:message name="ApiRemotingSoap_GetAutomaticUpdateApprovalRules_OutputMessage">
  <wsdl:part name="GetAutomaticUpdateApprovalRulesResponse"
element="tns:GetAutomaticUpdateApprovalRulesResponse"/>
</wsdl:message>
```

3.1.4.62.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
GetAutomaticUpdateApprovalRules	Contains the body for the request of the **GetAutomaticUpdateApprovalRules** **WSDL operation**.
GetAutomaticUpdateApprovalRulesResponse	Contains the body for the response of the **GetAutomaticUpdateApprovalRules** WSDL operation.

3.1.4.62.2.1 GetAutomaticUpdateApprovalRules

This element contains the body of the **ApiRemotingSoap_GetAutomaticUpdateApprovalRules_InputMessageWSDL message** defined in section 3.1.4.62.1.1. The format is defined in section 3.1.4.62.3.2.

```
<xsd:element name="GetAutomaticUpdateApprovalRules" nillable="true"
type="tns:GetAutomaticUpdateApprovalRulesRequestBody"/>
```

3.1.4.62.2.2 GetAutomaticUpdateApprovalRulesResponse

This element contains the body of **ApiRemotingSoap_GetAutomaticUpdateApprovalRules_OutputMessage** **WSDL message** defined in section 3.1.4.62.1.2. The format is defined in section 3.1.4.62.3.3.

```
<xsd:element name="GetAutomaticUpdateApprovalRulesResponse" nillable="true"
type="tns:GetAutomaticUpdateApprovalRulesResponseBody"/>
```

3.1.4.62.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ArrayOfCompleteAutomaticUpdateApprovalRule	Specifies the rule row, UpdateClassifications, Categories, and TargetGroups for each update approval rule.
GetAutomaticUpdateApprovalRulesRequestBody	Contains the preferred culture for various components of a

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Complex type	Description
	rule.
GetAutomaticUpdateApprovalRulesResponseBody	Contains the array of CompleteAutomaticUpdateApprovalRule objects.

3.1.4.62.3.1 ArrayOfCompleteAutomaticUpdateApprovalRule

Specifies the rule row, UpdateClassifications, Categories, and TargetGroups for each update approval rule.

```
<xsd:complexType name="ArrayOfCompleteAutomaticUpdateApprovalRule">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded"
name="CompleteAutomaticUpdateApprovalRule" nillable="true"
type="tns:CompleteAutomaticUpdateApprovalRule"/>
  </xsd:sequence>
</xsd:complexType>
```

CompleteAutomaticUpdateApprovalRule: This field is an object which contains rule row, UpdateClassifications, Categories, and TargetGroups for each rule.

3.1.4.62.3.2 GetAutomaticUpdateApprovalRulesRequestBody

Contains the preferred culture for various components of a rule.

```
<xsd:complexType name="GetAutomaticUpdateApprovalRulesRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

3.1.4.62.3.3 GetAutomaticUpdateApprovalRulesResponseBody

Contains the array of CompleteAutomaticUpdateApprovalRule objects.

```
<xsd:complexType name="GetAutomaticUpdateApprovalRulesResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="GetAutomaticUpdateApprovalRulesResult"
nillable="true" type="tns:ArrayOfCompleteAutomaticUpdateApprovalRule"/>
  </xsd:sequence>
</xsd:complexType>
```

GetAutomaticUpdateApprovalRulesResult: This field MUST be present. For each rule, this field represents an array of CompleteAutomaticUpdateApprovalRule (section 2.2.4.8) objects.

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3.1.4.63 SetAutomaticUpdateApprovalRule

The SetAutomaticUpdateApprovalRule **WSDL operation** sets an automatic deployment rule.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="SetAutomaticUpdateApprovalRule">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetAutomaticUpdateApprovalRuleRequest"
name="ApiRemotingSoap SetAutomaticUpdateApprovalRule InputMessage"
message="tns:ApiRemotingSoap_SetAutomaticUpdateApprovalRule_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetAutomaticUpdateApprovalRuleResponse"
name="ApiRemotingSoap_SetAutomaticUpdateApprovalRule_OutputMessage"
message="tns:ApiRemotingSoap SetAutomaticUpdateApprovalRule OutputMessage"/>
</wsdl:operation>
```

3.1.4.63.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_SetAutomaticUpdateApprovalRule_InputMessage	A WSDL message containing the request for the **SetAutomaticUpdateApprovalRule WSDL operation**.
ApiRemotingSoap_SetAutomaticUpdateApprovalRule_OutputMessage	A WSDL message containing the response for the **SetAutomaticUpdateApprovalRule** WSDL operation.

3.1.4.63.1.1 ApiRemotingSoap_SetAutomaticUpdateApprovalRule Input Message

The **ApiRemotingSoap_SetAutomaticUpdateApprovalRule_InputMessage WSDL message** contains the request for the **SetAutomaticUpdateApprovalRule WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Se
tAutomaticUpdateApprovalRuleRequest
<wsdl:message name="ApiRemotingSoap SetAutomaticUpdateApprovalRule InputMessage">
  <wsdl:part name="SetAutomaticUpdateApprovalRule"
element="tns:SetAutomaticUpdateApprovalRule"/>
</wsdl:message>
```

3.1.4.63.1.2 ApiRemotingSoap_SetAutomaticUpdateApprovalRule Output Message

The **ApiRemotingSoap_SetAutomaticUpdateApprovalRule_OutputMessage WSDL message** contains the response for the **SetAutomaticUpdateApprovalRule WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/SetAutomaticUpdateApprovalRuleResponse
<wsdl:message name="ApiRemotingSoap_SetAutomaticUpdateApprovalRule_OutputMessage">
  <wsdl:part name="SetAutomaticUpdateApprovalRuleResponse"
element="tns:SetAutomaticUpdateApprovalRuleResponse"/>
</wsdl:message>
```

3.1.4.63.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
SetAutomaticUpdateApprovalRule	Contains the body for the request of the **SetAutomaticUpdateApprovalRule** **WSDL operation**.
SetAutomaticUpdateApprovalRuleResponse	Contains the body for the response of the **SetAutomaticUpdateApprovalRule** WSDL operation.

3.1.4.63.2.1 SetAutomaticUpdateApprovalRule

This element contains the body of the **ApiRemotingSoap_SetAutomaticUpdateApprovalRule_InputMessage** **WSDL message** defined in section 3.1.4.63.1.1. The format is defined in section 3.1.4.63.3.1.

```
<xsd:element name="SetAutomaticUpdateApprovalRule" nillable="true"
type="tns:SetAutomaticUpdateApprovalRuleRequestBody"/>
```

3.1.4.63.2.2 SetAutomaticUpdateApprovalRuleResponse

This element contains the body of **ApiRemotingSoap_SetAutomaticUpdateApprovalRule_OutputMessage** **WSDL message** defined in section 3.1.4.63.1.2. The format is defined in section 3.1.4.63.3.1.

```
<xsd:element name="SetAutomaticUpdateApprovalRuleResponse" nillable="true"
type="q1:SetAutomaticUpdateApprovalRuleResponseBody"/>
```

3.1.4.63.3 Complex Types

This operation includes the following complex types.

Complex type	Description
SetAutomaticUpdateApprovalRuleRequestBody	Contains the **ruleId**, **updateClassificationIds**, **categoryIds**, **targetGroupIds**, **enabled**, and **action** fields for setting automatic update approval rules.
SetAutomaticUpdateApprovalRuleResponseBody	This complex type does not contain any data.

3.1.4.63.3.1 SetAutomaticUpdateApprovalRuleRequestBody

Contains the **ruleId**, **updateClassificationIds**, **categoryIds**, **targetGroupIds**, **enabled**, and **action** fields for setting automatic update approval rules.

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```
<xsd:complexType name="SetAutomaticUpdateApprovalRule">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="ruleId" type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="name" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="enabled" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="action" type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateClassificationIds" nillable="true"
type="tns:ArrayOfGuid"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="categoryIds" nillable="true"
type="tns:ArrayOfGuid"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="targetGroupIds" nillable="true"
type="tns:ArrayOfGuid"/>
  </xsd:sequence>
</xsd:complexType>
```

ruleId: This field MUST be present. It specifies the ID of the automatic deployment rule to set, or 0 to create a new rule.

name: This field MUST be present. It specifies the name of the rule. If the name is set to an empty string, the update server MUST send a SOAP fault message as specified in section 3.1.4.1.

enabled: This field is a Boolean and specifies whether or not the rule is enabled.

action: This field MUST be present. It specifies the action of the rule.

updateClassificationIds: This field MUST be present. It specifies the UpdateClassification IDs of the rule. If any of the classification IDs specified are not found in the database, the update server MUST send a SOAP fault message as specified in section 3.1.4.1.

categoryIds: This field MUST be present. It specifies the category IDs of the rule. If any of the category IDs specified are not found in the database, the update server MUST send a SOAP fault message as specified in section 3.1.4.1.

targetGroupIds: This field MUST be present. It specifies the targetGroup IDs of the rule. If any of the target group IDs specified are not found in the database, the update server MUST send a SOAP fault message as specified in section 3.1.4.1.

3.1.4.63.3.2 SetAutomaticUpdateApprovalRuleResponseBody

This complex type does not contain any data.

```
<xsd:complexType name="SetAutomaticUpdateApprovalRuleResponseBody"/>
```

3.1.4.64 CreateInstallApprovalRule

The **CreateInstallApprovalRule** **WSDL operation** creates a new empty automatic approval rule.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="CreateInstallApprovalRule">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/CreateInstallApprovalRuleRequest"
name="ApiRemotingSoap_CreateInstallApprovalRule_InputMessage"
message="tns:ApiRemotingSoap CreateInstallApprovalRule InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
```


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```
motingSoap/CreateInstallApprovalRuleResponse"
name="ApiRemotingSoap CreateInstallApprovalRule OutputMessage"
message="tns:ApiRemotingSoap CreateInstallApprovalRule OutputMessage"/>
</wsdl:operation>
```

3.1.4.64.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_CreateInstallApprovalRule_InputMessage	A WSDL message containing the request for the **CreateInstallApprovalRule** **WSDL operation**.
ApiRemotingSoap_CreateInstallApprovalRule_OutputMessage	A WSDL message containing the response for the **CreateInstallApprovalRule** WSDL operation.

3.1.4.64.1.1 ApiRemotingSoap_CreateInstallApprovalRule Input Message

The **ApiRemotingSoap_CreateInstallApprovalRule_InputMessage** **WSDL message** contains the request for the **CreateInstallApprovalRule** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Cr
eateInstallApprovalRuleRequest
<wsdl:message name="ApiRemotingSoap_CreateInstallApprovalRule_InputMessage">
  <wsdl:part name="CreateInstallApprovalRule" element="tns:CreateInstallApprovalRule"/>
</wsdl:message>
```

3.1.4.64.1.2 ApiRemotingSoap_CreateInstallApprovalRule Output Message

The **ApiRemotingSoap_CreateInstallApprovalRule_OutputMessage** **WSDL message** contains the response for the **CreateInstallApprovalRule** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Cr
eateInstallApprovalRuleResponse
<wsdl:message name="ApiRemotingSoap CreateInstallApprovalRule OutputMessage">
  <wsdl:part name="CreateInstallApprovalRuleResponse"
element="tns:CreateInstallApprovalRuleResponse"/>
</wsdl:message>
```

3.1.4.64.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
CreateInstallApprovalRule	Contains the body for the request of the **CreateInstallApprovalRule** **WSDL operation**.
CreateInstallApprovalRuleResponse	Contains the body for the response of the **CreateInstallApprovalRule**

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Element	Description
	WSDL operation.

3.1.4.64.2.1 CreateInstallApprovalRule

This element contains the body of the ApiRemotingSoap_CreateInstallApprovalRule_InputMessage **WSDL message** defined in section 3.1.4.64.1.1. The format is defined in section 3.1.4.64.3.1.

```
<xsd:element name="CreateInstallApprovalRule" nillable="true"
type="tns:CreateInstallApprovalRuleRequestBody"/>
```

3.1.4.64.2.2 CreateInstallApprovalRuleResponse

This element contains the body of the ApiRemotingSoap_CreateInstallApprovalRule_OutputMessage **WSDL message** defined in section 3.1.4.64.1.2. The format is defined in section 3.1.4.64.3.2.

```
<xsd:element name="CreateInstallApprovalRuleResponse" nillable="true"
type="tns:CreateInstallApprovalRuleResponseBody"/>
```

3.1.4.64.3 Complex Types

This operation includes the following complex types.

Complex type	Description
CreateInstallApprovalRuleRequestBody	Contains the name field for creating a new automatic approval rule.
CreateInstallApprovalRuleResponseBody	Contains information about the new rule.

3.1.4.64.3.1 CreateInstallApprovalRuleRequestBody

Contains the name field for creating a new automatic approval rule.

```
<xsd:complexType name="CreateInstallApprovalRuleRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="name" nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

name: This field MUST be present. It specifies the name for the rule.

3.1.4.64.3.2 CreateInstallApprovalRuleResponseBody

Contains information about the new rule.

```
<xsd:complexType name="CreateInstallApprovalRuleResponse">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="CreateInstallApprovalRuleResult"
nillable="true" type="tns:CompleteAutomaticUpdateApprovalRule"/>
  </xsd:sequence>
```


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```
</xsd:complexType>
```

CreateInstallApprovalRuleResult: This field MUST be present. It represents the CompleteAutomaticUpdateApprovalRule object that contains the new rule.

3.1.4.65 DeleteInstallApprovalRule

The DeleteInstallApprovalRule **WSDL operation** deletes an installed automatic approval rule from the database.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="DeleteInstallApprovalRule">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/DeleteInstallApprovalRuleRequest"
name="ApiRemotingSoap DeleteInstallApprovalRule InputMessage"
message="tns:ApiRemotingSoap_DeleteInstallApprovalRule_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/DeleteInstallApprovalRuleResponse"
name="ApiRemotingSoap_DeleteInstallApprovalRule_OutputMessage"
message="tns:ApiRemotingSoap_DeleteInstallApprovalRule_OutputMessage"/>
</wsdl:operation>
```

3.1.4.65.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_DeleteInstallApprovalRule_InputMessage	A WSDL message containing the request for the **DeleteInstallApprovalRule WSDL operation**.
ApiRemotingSoap_DeleteInstallApprovalRule_OutputMessage	A WSDL message containing the response for the **DeleteInstallApprovalRule** WSDL operation.

3.1.4.65.1.1 ApiRemotingSoap_DeleteInstallApprovalRule Input Message

The **ApiRemotingSoap_DeleteInstallApprovalRule_InputMessage WSDL message** contains the request for the **DeleteInstallApprovalRule WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/De
leteInstallApprovalRuleRequest
<wsdl:message name="ApiRemotingSoap_DeleteInstallApprovalRule_InputMessage">
  <wsdl:part name="DeleteInstallApprovalRule" element="tns:DeleteInstallApprovalRule"/>
</wsdl:message>
```

3.1.4.65.1.2 ApiRemotingSoap_DeleteInstallApprovalRule Output Message

The **ApiRemotingSoap_DeleteInstallApprovalRule_OutputMessage WSDL message** contains the response for the **DeleteInstallApprovalRule WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/De
leteInstallApprovalRuleResponse
<wsdl:message name="ApiRemotingSoap_DeleteInstallApprovalRule_OutputMessage">
  <wsdl:part name="DeleteInstallApprovalRuleResponse"
element="tns:DeleteInstallApprovalRuleResponse"/>
</wsdl:message>
```

3.1.4.65.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
DeleteInstallApprovalRule	Contains the body for the request of the **DeleteInstallApprovalRule WSDL operation**.
DeleteInstallApprovalRuleResponse	Contains the body for the response of the **DeleteInstallApprovalRule** WSDL operation.

3.1.4.65.2.1 DeleteInstallApprovalRule

Contains the body for the request of the DeleteInstallApprovalRule **WSDL operation**.

```
<xsd:element name="DeleteInstallApprovalRule" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="ruleId" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ruleId: This field MUST be present, It contains the rule ID of the installed automatic approval to be deleted. If the **ruleId** field is not found in the database, the server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.65.2.2 DeleteInstallApprovalRuleResponse

Contains the body for the response of the **DeleteInstallApprovalRule WSDL operation**. This element does not contain any data.

```
<xsd:element name="DeleteInstallApprovalRuleResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.66 ExecuteSPGetPreviousRevision

The **ExecuteSPGetPreviousRevision WSDL operation** gets the previous revision number of the update.

This operation is specified by the following **WSDL**.

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```
<wsdl:operation name="ExecuteSPGetPreviousRevision">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetPreviousRevisionRequest"
name="ApiRemotingSoap_ExecuteSPGetPreviousRevision_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetPreviousRevision InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetPreviousRevisionResponse"
name="ApiRemotingSoap_ExecuteSPGetPreviousRevision_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetPreviousRevision OutputMessage"/>
</wsdl:operation>
```

3.1.4.66.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetPreviousRevision_InputMessage	A WSDL message containing the request for the **ExecuteSPGetPreviousRevision WSDL operation**.
ApiRemotingSoap_ExecuteSPGetPreviousRevision_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetPreviousRevision** WSDL operation.

3.1.4.66.1.1 ApiRemotingSoap_ExecuteSPGetPreviousRevision Input Message

The **ApiRemotingSoap_ExecuteSPGetPreviousRevision_InputMessage WSDL message** contains the request for the **ExecuteSPGetPreviousRevision WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetPreviousRevisionRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPGetPreviousRevision InputMessage">
  <wsdl:part name="ExecuteSPGetPreviousRevision" element="tns:ExecuteSPGetPreviousRevision"/>
</wsdl:message>
```

3.1.4.66.1.2 ApiRemotingSoap_ExecuteSPGetPreviousRevision Output Message

The **ApiRemotingSoap_ExecuteSPGetPreviousRevision_OutputMessage WSDL message** contains the response for the **ExecuteSPGetPreviousRevision WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetPreviousRevisionResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetPreviousRevision_OutputMessage">
  <wsdl:part name="ExecuteSPGetPreviousRevisionResponse"
element="tns:ExecuteSPGetPreviousRevisionResponse"/>
</wsdl:message>
```

3.1.4.66.2 Elements

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This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetPreviousRevision	Contains the body for the request of the **ExecuteSPGetPreviousRevision WSDL operation**.
ExecuteSPGetPreviousRevisionResponse	Contains the body for the response of the **ExecuteSPGetPreviousRevision** WSDL operation.

3.1.4.66.2.1 ExecuteSPGetPreviousRevision

Contains the body for the request of the ExecuteSPGetPreviousRevision **WSDL operation**.

```
<xsd:element name="ExecuteSPGetPreviousRevision" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
      <xsd:element minOccurs="1" maxOccurs="1" name="revisionNumber" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

updateId: This field MUST be present. It contains the unique ID of the update.

revisionNumber: This field MUST be present. It contains the current revision number of the update.

3.1.4.66.2.2 ExecuteSPGetPreviousRevisionResponse

Contains the body for the response of the ExecuteSPGetPreviousRevision **WSDL operation**.

```
<xsd:element name="ExecuteSPGetPreviousRevisionResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="ExecuteSPGetPreviousRevisionResult"
type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ExecuteSPGetPreviousRevisionResult: This field MUST be present. It contains the previous revision number of the specified update. When no previous revision is present, this element contains 0.

3.1.4.67 ExecuteSPGetXmlForUpdate

The ExecuteSPGetXmlForUpdate **WSDL operation** gets the XML for an update.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetXmlForUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetXmlForUpdateRequest"
```


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```
name="ApiRemotingSoap_ExecuteSPGetXmlForUpdate_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetXmlForUpdate InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetXmlForUpdateResponse"
name="ApiRemotingSoap_ExecuteSPGetXmlForUpdate_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetXmlForUpdate_OutputMessage"/>
</wsdl:operation>
```

3.1.4.67.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetXmlForUpdate_InputMessage	A WSDL message containing the request for the **ExecuteSPGetXmlForUpdate** **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetXmlForUpdate_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetXmlForUpdate** WSDL operation.

3.1.4.67.1.1 ApiRemotingSoap_ExecuteSPGetXmlForUpdate Input Message

The **ApiRemotingSoap_ExecuteSPGetXmlForUpdate_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetXmlForUpdate** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetXmlForUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetXmlForUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetXmlForUpdate" element="tns:ExecuteSPGetXmlForUpdate"/>
</wsdl:message>
```

3.1.4.67.1.2 ApiRemotingSoap_ExecuteSPGetXmlForUpdate Output Message

The **ApiRemotingSoap_ExecuteSPGetXmlForUpdate_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetXmlForUpdate** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetXmlForUpdateResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPGetXmlForUpdate OutputMessage">
  <wsdl:part name="ExecuteSPGetXmlForUpdateResponse"
element="tns:ExecuteSPGetXmlForUpdateResponse"/>
</wsdl:message>
```

3.1.4.67.2 Elements

This operation includes the following **WSDL** elements.

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Element	Description
ExecuteSPGetXmlForUpdate	Contains the request for the ExecuteSPGetXmlForUpdate WSDL operation.
ExecuteSPGetXmlForUpdateResponse	Contains the response for the ExecuteSPGetXmlForUpdate WSDL operation.

3.1.4.67.2.1 ExecuteSPGetXmlForUpdate

This element contains the request body for the ExecuteSPGetXmlForUpdate WSDL operation. The format is defined in section 3.1.4.67.3.1.

```
<xsd:element name="ExecuteSPGetXmlForUpdate" nillable="true"
type="tns:ExecuteSPGetXmlForUpdateRequestBody"/>
```

3.1.4.67.2.2 ExecuteSPGetXmlForUpdateResponse

This element contains the request body for the ExecuteSPGetXmlForUpdate WSDL operation. The format is defined in section 3.1.4.67.3.2.

```
<xsd:element name="ExecuteSPGetXmlForUpdateResponse" nillable="true"
type="tns:ExecuteSPGetXmlForUpdateResponseBody"/>
```

3.1.4.67.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetXmlForUpdateRequestBody	Contains the criteria for obtaining the XML for an update.
ExecuteSPGetXmlForUpdateResponseBody	Contains the XML for the specified update.

3.1.4.67.3.1 ExecuteSPGetXmlForUpdateRequestBody

Contains the criteria for obtaining the XML for an update.

```
<xsd:complexType name="ExecuteSPGetXmlForUpdate">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="revisionNumber" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

updateId: This field MUST be present. It contains the unique id of the update. If the specified **updateId** field is not found in the database, the server MUST send a SOAP fault as specified in section 3.1.4.1.

revisionNumber: This field MUST be present. It contains the revision number of the update.

3.1.4.67.3.2 ExecuteSPGetXmlForUpdateResponseBody

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Contains the XML for the specified update.

```
<xsd:complexType name="ExecuteSPGetXmlForUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetXmlForUpdateResult"
nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetXmlForUpdateResult: This field MUST be present. It contains the XML for the update, or NULL if the specified update does not exist.

3.1.4.68 ExecuteSPGetLatestRevisionNumberForUpdate

The ExecuteSPGetLatestRevisionNumberForUpdate **WSDL operation** retrieves the highest revision number for the specified update from the database.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetLatestRevisionNumberForUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetLatestRevisionNumberForUpdateRequest"
name="ApiRemotingSoap_ExecuteSPGetLatestRevisionNumberForUpdate_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetLatestRevisionNumberForUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetLatestRevisionNumberForUpdateResponse"
name="ApiRemotingSoap ExecuteSPGetLatestRevisionNumberForUpdate OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetLatestRevisionNumberForUpdate_OutputMessage"/>
</wsdl:operation>
```

3.1.4.68.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetLatestRevisionNumberForUpdate_InputMessage	A WSDL message containing the request for the **ExecuteSPGetLatestRevisionNumberForUpdate WSDL operation**.
ApiRemotingSoap_ExecuteSPGetLatestRevisionNumberForUpdate_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetLatestRevisionNumberForUpdate** WSDL operation.

3.1.4.68.1.1 ApiRemotingSoap_ExecuteSPGetLatestRevisionNumberForUpdate Input Message

The **ApiRemotingSoap_ExecuteSPGetLatestRevisionNumberForUpdate_InputMessage WSDL message** contains the request for the **ExecuteSPGetLatestRevisionNumberForUpdate WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetLatestRevisionNumberForUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetLatestRevisionNumberForUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetLatestRevisionNumberForUpdate"
element="tns:ExecuteSPGetLatestRevisionNumberForUpdate"/>
</wsdl:message>
```

3.1.4.68.1.2 ApiRemotingSoap_ExecuteSPGetLatestRevisionNumberForUpdate Output Message

The **ApiRemotingSoap_ExecuteSPGetLatestRevisionNumberForUpdate_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetLatestRevisionNumberForUpdate** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetLatestRevisionNumberForUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetLatestRevisionNumberForUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetLatestRevisionNumberForUpdateResponse"
element="tns:ExecuteSPGetLatestRevisionNumberForUpdateResponse"/>
</wsdl:message>
```

3.1.4.68.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetLatestRevisionNumberForUpdate	Contains the body for the request of the ExecuteSPGetLatestRevisionNumberForUpdate WSDL operation.
ExecuteSPGetLatestRevisionNumberForUpdateResponse	Contains the body for the response of the ExecuteSPGetLatestRevisionNumberForUpdate WSDL operation.

3.1.4.68.2.1 ExecuteSPGetLatestRevisionNumberForUpdate

Contains the body for the request of the ExecuteSPGetLatestRevisionNumberForUpdate **WSDL operation**.

```
<xsd:element name="ExecuteSPGetLatestRevisionNumberForUpdate" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

updateId: This field MUST be present. It contains a unique Id that is used to obtain the highest revision number for the update from the database. If the specified **updateId** field is not found in the database, the server MUST send a SOAP fault as specified in section 3.1.4.1.

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3.1.4.68.2.2 ExecuteSPGetLatestRevisionNumberForUpdateResponse

Contains the body for the response of the ExecuteSPGetLatestRevisionNumberForUpdate **WSDL operation**.

```
<xsd:element name="ExecuteSPGetLatestRevisionNumberForUpdateResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1"
name="ExecuteSPGetLatestRevisionNumberForUpdateResult" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ExecuteSPGetLatestRevisionNumberForUpdateResult: This field MUST be present. It contains the highest revision number for the specified update.

3.1.4.69 ExecuteSPGetSdpXmlForUpdate

The ExecuteSPGetSdpXmlForUpdate **WSDL operation** returns the software distribution package XML for the specified **updateId** or **revisionNumber** fields.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetSdpXmlForUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetSdpXmlForUpdateRequest"
name="ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetSdpXmlForUpdateResponse"
name="ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate_OutputMessage"/>
</wsdl:operation>
```

If the **updateId** or **revisionsNumber** fields are not found in the database, the server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.69.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate_InputMessage	A WSDL message containing the request for the **ExecuteSPGetSdpXmlForUpdate WSDL operation**.
ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetSdpXmlForUpdate** WSDL operation.

3.1.4.69.1.1 ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate Input Message

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The **ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate_InputMessage WSDL message** contains the request for the **ExecuteSPGetSdpXmlForUpdate WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetSdpXmlForUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetSdpXmlForUpdate" element="tns:ExecuteSPGetSdpXmlForUpdate"/>
</wsdl:message>
```

3.1.4.69.1.2 ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate Output Message

The **ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate_OutputMessage WSDL message** contains the response for the **ExecuteSPGetSdpXmlForUpdate WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetSdpXmlForUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetSdpXmlForUpdateResponse"
element="tns:ExecuteSPGetSdpXmlForUpdateResponse"/>
</wsdl:message>
```

3.1.4.69.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetSdpXmlForUpdate	Contains the body for the request of the ExecuteSPGetSdpXmlForUpdate operation.
ExecuteSPGetSdpXmlForUpdateResponse	Contains the body for the response of the ExecuteSPGetSdpXmlForUpdate operation.

3.1.4.69.2.1 ExecuteSPGetSdpXmlForUpdate

This element contains the body of the ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate _InputMessage WSDL message defined in section 3.1.4.69.1.1. The format is defined in section 3.1.4.69.3.1.

```
<xsd:element name="ExecuteSPGetSdpXmlForUpdate" nillable="true"
type="tns:ExecuteSPGetSdpXmlForUpdateRequestBody"/>
```

3.1.4.69.2.2 ExecuteSPGetSdpXmlForUpdateResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetSdpXmlForUpdate _OutputMessage WSDL message defined in section 3.1.4.69.1.2. The format is defined in section 3.1.4.69.3.2.

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```
<xsd:element name="ExecuteSPGetSdpXmlForUpdateResponse" nillable="true"
type="tns:ExecuteSPGetSdpXmlForUpdateResponseBody"/>
```

3.1.4.69.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetSdpXmlForUpdateRequestBody	Contains the updateId and revisionNumber for returning the specified software distribution package XML.
ExecuteSPGetSdpXmlForUpdateResponseBody	Contains the software distribution package XML.

3.1.4.69.3.1 ExecuteSPGetSdpXmlForUpdateRequestBody

Contains the **updateId** and **revisionNumber** for returning the specified software distribution package XML.

```
<xsd:complexType name="ExecuteSPGetSdpXmlForUpdate">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="revisionNumber" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

updateId: This field MUST be present. It contains the string representation of the GUID for the update.

revisionNumber: This field MUST be present. It specifies the revision number of the update.

3.1.4.69.3.2 ExecuteSPGetSdpXmlForUpdateResponseBody

Contains the software distribution package XML.

```
<xsd:complexType name="ExecuteSPGetSdpXmlForUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetSdpXmlForUpdateResult"
nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetSdpXmlForUpdateResult: This field MUST be present. It contains the complete software distribution package XML.

3.1.4.70 ExecuteSPSetEmailNotificationConfiguration

The ExecuteSPSetEmailNotificationConfiguration WSDL operation specifies configuration settings for email notification.

This operation is specified by the following WSDL.

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```
<wsdl:operation name="ExecuteSPSetEmailNotificationConfiguration">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSetEmailNotificationConfigurationRequest"
name="ApiRemotingSoap_ExecuteSPSetEmailNotificationConfiguration_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPSetEmailNotificationConfiguration InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSetEmailNotificationConfigurationResponse"
name="ApiRemotingSoap_ExecuteSPSetEmailNotificationConfiguration_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPSetEmailNotificationConfiguration OutputMessage"/>
</wsdl:operation>
```

3.1.4.70.1 Messages

This operation includes the following **WSDL** messages.

Message	Description
ApiRemotingSoap_ExecuteSPSetEmailNotificationConfiguration_InputMessage	A WSDL message containing the request for the ExecuteSPSetEmailNotificationConfiguration WSDL operation.
ApiRemotingSoap_ExecuteSPSetEmailNotificationConfiguration_OutputMessage	A WSDL message containing the response for the ExecuteSPSetEmailNotificationConfiguration WSDL operation.

3.1.4.70.1.1 ApiRemotingSoap_ExecuteSPSetEmailNotificationConfiguration Input Message

The **ApiRemotingSoap_ExecuteSPSetEmailNotificationConfiguration_InputMessage WSDL message** contains the request for the **ExecuteSPSetEmailNotificationConfiguration WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSetEmailNotificationConfigurationRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPSetEmailNotificationConfiguration_InputMessage">
  <wsdl:part name="ExecuteSPSetEmailNotificationConfiguration"
element="tns:ExecuteSPSetEmailNotificationConfiguration"/>
</wsdl:message>
```

3.1.4.70.1.2 ApiRemotingSoap_ExecuteSPSetEmailNotificationConfiguration Output Message

The **ApiRemotingSoap_ExecuteSPSetEmailNotificationConfiguration_OutputMessage WSDL message** contains the response for the **ExecuteSPSetEmailNotificationConfiguration WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSetEmailNotificationConfigurationResponse
```


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```
<wsdl:message
name="ApiRemotingSoap_ExecuteSPSetEmailNotificationConfiguration_OutputMessage">
  <wsdl:part name="ExecuteSPSetEmailNotificationConfigurationResponse"
element="tns:ExecuteSPSetEmailNotificationConfigurationResponse"/>
</wsdl:message>
```

3.1.4.70.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPSetEmailNotificationConfiguration	Contains the body for the request of the ExecuteSPSetEmailNotificationConfiguration WSDL operation.
ExecuteSPSetEmailNotificationConfigurationResponse	Contains the body for the response of the ExecuteSPSetEmailNotificationConfiguration WSDL operation.

3.1.4.70.2.1 ExecuteSPSetEmailNotificationConfiguration

This element contains the body of the ApiRemotingSoap_ ExecuteSPSetEmailNotificationConfiguration _InputMessage WSDL message defined in section 3.1.4.70.1.1. The format is defined in section 3.1.4.70.3.1.

```
<xsd:element name="ExecuteSPSetEmailNotificationConfiguration" nillable="true"
type="tns:ExecuteSPSetEmailNotificationConfigurationRequestBody"/>
```

3.1.4.70.2.2 ExecuteSPSetEmailNotificationConfigurationResponse

This element contains the body of the ApiRemotingSoap_ ExecuteSPSetEmailNotificationConfiguration _OutputMessage WSDL message defined in section 3.1.4.70.1.2. The format is defined in section 3.1.4.70.3.2.

```
<xsd:element name="ExecuteSPSetEmailNotificationConfigurationResponse" nillable="true"
type="q1:ExecuteSPSetEmailNotificationConfigurationResponseBody"/>
```

3.1.4.70.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPSetEmailNotificationConfigurationRequestBody	Contains the data to use when setting the email notification configuration.
ExecuteSPSetEmailNotificationConfigurationResponseBody	Contains the response for the configuration criteria.

3.1.4.70.3.1 ExecuteSPSetEmailNotificationConfigurationRequestBody

Contains the data to use when setting the email notification configuration.

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```
<xsd:complexType name="ExecuteSPSetEmailNotificationConfigurationRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="setting" nillable="true"
type="tns:EmailNotificationConfigurationRow"/>
  </xsd:sequence>
</xsd:complexType>
```

setting: This field MUST be present. It contains the email notification configuration to be saved. See EmailNotificationConfigurationRow (section 2.2.4.11) for more information.

3.1.4.70.3.2 ExecuteSPSetEmailNotificationConfigurationResponseBody

Contains the response for the configuration criteria. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPSetEmailNotificationConfigurationResponseBody"/>
```

3.1.4.71 ExecuteSPSetEmailNotificationRecipients

The ExecuteSPSetEmailNotificationRecipients WSDL operation sets the recipients to whom to email the notification.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPSetEmailNotificationRecipients">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSetEmailNotificationRecipientsRequest"
name="ApiRemotingSoap_ExecuteSPSetEmailNotificationRecipients_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPSetEmailNotificationRecipients InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSetEmailNotificationRecipientsResponse"
name="ApiRemotingSoap_ExecuteSPSetEmailNotificationRecipients_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPSetEmailNotificationRecipients_OutputMessage"/>
</wsdl:operation>
```

3.1.4.71.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPSetEmailNotificationRecipients_InputMessage	A WSDL message containing the request for the **ExecuteSPSetEmailNotificationRecipients WSDL operation**.
ApiRemotingSoap_ExecuteSPSetEmailNotificationRecipients_OutputMessage	A WSDL message containing the response for the **ExecuteSPSetEmailNotificationRecipients** WSDL operation.

3.1.4.71.1.1 ApiRemotingSoap_ExecuteSPSetEmailNotificationRecipients Input Message

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The **ApiRemotingSoap_ExecuteSPSetEmailNotificationRecipients_InputMessage WSDL message** contains the request for the **ExecuteSPSetEmailNotificationRecipients WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSetEmailNotificationRecipientsRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPSetEmailNotificationRecipients_InputMessage">
  <wsdl:part name="ExecuteSPSetEmailNotificationRecipients"
element="tns:ExecuteSPSetEmailNotificationRecipients"/>
</wsdl:message>
```

3.1.4.71.1.2 ApiRemotingSoap_ExecuteSPSetEmailNotificationRecipients Output Message

The **ApiRemotingSoap_ExecuteSPSetEmailNotificationRecipients_OutputMessage WSDL message** contains the response for the **ExecuteSPSetEmailNotificationRecipients WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSetEmailNotificationRecipientsResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPSetEmailNotificationRecipients_OutputMessage">
  <wsdl:part name="ExecuteSPSetEmailNotificationRecipientsResponse"
element="tns:ExecuteSPSetEmailNotificationRecipientsResponse"/>
</wsdl:message>
```

3.1.4.71.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPSetEmailNotificationRecipients	Contains the body for the request of the ExecuteSPSetEmailNotificationRecipients WSDL operation.
ExecuteSPSetEmailNotificationRecipientsResponse	Contains the body for the response of the ExecuteSPSetEmailNotificationRecipients WSDL operation.

3.1.4.71.2.1 ExecuteSPSetEmailNotificationRecipients

This element contains the body of the ApiRemotingSoap_ ExecuteSPSetEmailNotificationRecipients _InputMessage WSDL message defined in section 3.1.4.71.1.1. The format is defined in section 3.1.4.71.3.1.

```
<xsd:element name="ExecuteSPSetEmailNotificationRecipients" nillable="true"
type="tns:ExecuteSPSetEmailNotificationRecipientsRequestBody"/>
```

3.1.4.71.2.2 ExecuteSPSetEmailNotificationRecipientsResponse

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This element contains the body of the ApiRemotingSoap_ ExecuteSPSetEmailNotificationRecipients _OutputMessage WSDL message defined in section 3.1.4.71.1.2. The format is defined in section 3.1.4.71.3.2.

```
<xsd:element name="ExecuteSPSetEmailNotificationRecipientsResponse" nillable="true"
type="q1:ExecuteSPSetEmailNotificationRecipientsResponseBody"/>
```

3.1.4.71.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPSetEmailNotificationRecipientsRequestBody	Contains the request to set recipients for email notification.
ExecuteSPSetEmailNotificationRecipientsResponseBody	Contains the response for setting the email notification recipients.

3.1.4.71.3.1 ExecuteSPSetEmailNotificationRecipientsRequestBody

Contains the request to set recipients for email notification.

```
<xsd:complexType name="ExecuteSPSetEmailNotificationRecipients">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="recipients" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="notificationType" nillable="true"
type="tns:EmailNotificationType"/>
  </xsd:sequence>
</xsd:complexType>
```

recipients: This field MUST be present. It contains the email notification recipients to be saved.

notificationType: This field MUST be present. The possible values are specified in EmailNotificationType (section 2.2.5.6).

3.1.4.71.3.2 ExecuteSPSetEmailNotificationRecipientsResponseBody

Contains the response for setting the email notification recipients. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPSetEmailNotificationRecipientsResponseBody"/>
```

3.1.4.72 SetSmtpUserPassword

The SetSmtpUserPassword WSDL operation sets the email notification SMTP user password in the registry.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="SetSmtpUserPassword">
```


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```
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetSmtpUserPasswordRequest"
name="ApiRemotingSoap_SetSmtpUserPassword_InputMessage"
message="tns:ApiRemotingSoap_SetSmtpUserPassword_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetSmtpUserPasswordResponse"
name="ApiRemotingSoap_SetSmtpUserPassword_OutputMessage"
message="tns:ApiRemotingSoap_SetSmtpUserPassword_OutputMessage"/>
</wsdl:operation>
```

3.1.4.72.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_SetSmtpUserPassword_InputMessage	A **WSDL message** containing the request for the **SetSmtpUserPassword WSDL operation**.
ApiRemotingSoap_SetSmtpUserPassword_OutputMessage	A WSDL message containing the response for the **SetSmtpUserPassword** WSDL operation.

3.1.4.72.1.1 ApiRemotingSoap_SetSmtpUserPassword Input Message

The **ApiRemotingSoap_SetSmtpUserPassword_InputMessage WSDL message** contains the request for the **SetSmtpUserPassword WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Se
tSmtpUserPasswordRequest
<wsdl:message name="ApiRemotingSoap_SetSmtpUserPassword_InputMessage">
  <wsdl:part name="SetSmtpUserPassword" element="tns:SetSmtpUserPassword"/>
</wsdl:message>
```

3.1.4.72.1.2 ApiRemotingSoap_SetSmtpUserPassword Output Message

The **ApiRemotingSoap_SetSmtpUserPassword_OutputMessage WSDL message** contains the response for the **SetSmtpUserPassword WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Se
tSmtpUserPasswordResponse
<wsdl:message name="ApiRemotingSoap SetSmtpUserPassword OutputMessage">
  <wsdl:part name="SetSmtpUserPasswordResponse" element="tns:SetSmtpUserPasswordResponse"/>
</wsdl:message>
```

3.1.4.72.2 Elements

This operation includes the following **WSDL** elements.

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Element	Description
SetSmtpUserPassword	Contains the body for the request of the SetSmtpUserPassword WSDL operation.
SetSmtpUserPasswordResponse	Contains the body for the response of the SetSmtpUserPassword WSDL operation.

3.1.4.72.2.1 SetSmtpUserPassword

This element contains the body of the ApiRemotingSoap_SetSmtpUserPassword_InputMessage WSDL message defined in section 3.1.4.72.1.1. The format is defined in section3.1.4.72.3.1.

```
<xsd:element name="SetSmtpUserPassword" nillable="true"
type="tns:SetSmtpUserPasswordRequestBody"/>
```

3.1.4.72.2.2 SetSmtpUserPasswordResponse

This element contains the body of the ApiRemotingSoap_SetSmtpUserPassword_OutputMessage WSDL message defined in section 3.1.4.72.1.2. The format is defined in section 3.1.4.72.3.2.

```
<xsd:element name="SetSmtpUserPasswordResponse" nillable="true"
type="q1:SetSmtpUserPasswordResponseBody"/>
```

3.1.4.72.3 Complex Types

This operation includes the following complex types.

Complex type	Description
SetSmtpUserPasswordRequestBody	Contains the SMTP password to set in the registry.
SetSmtpUserPasswordResponseBody	Contains the response for the specified criteria.

3.1.4.72.3.1 SetSmtpUserPasswordRequestBody

Contains the SMTP password to set in the registry.

```
<xsd:complexType name="SetSmtpUserPasswordRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="passwordBytes" nillable="true"
type="xsd:base64Binary"/>
  </xsd:sequence>
</xsd:complexType>
```

passwordBytes: This field MUST be present. It contains the SMTP user password to be saved and is represented as an array of bytes.

3.1.4.72.3.2 SetSmtpUserPasswordResponseBody

Contains the response for the specified criteria. This complex type does not contain any data.

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```
<xsd:complexType name="SetSmtpUserPasswordResponseBody"/>
```

3.1.4.73 HasSmtpUserPassword

The HasSmtpUserPassword WSDL operation determines whether the SMTP user password is set.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="HasSmtpUserPassword">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/HasSmtpUserPasswordRequest"
name="ApiRemotingSoap_HasSmtpUserPassword_InputMessage"
message="tns:ApiRemotingSoap HasSmtpUserPassword InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/HasSmtpUserPasswordResponse"
name="ApiRemotingSoap_HasSmtpUserPassword_OutputMessage"
message="tns:ApiRemotingSoap_HasSmtpUserPassword_OutputMessage"/>
</wsdl:operation>
```

3.1.4.73.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_HasSmtpUserPassword_InputMessage	A WSDL message containing the request for the **HasSmtpUserPassword** **WSDL operation**.
ApiRemotingSoap_HasSmtpUserPassword_OutputMessage	A WSDL message containing the response for the **HasSmtpUserPassword** WSDL operation.

3.1.4.73.1.1 ApiRemotingSoap_HasSmtpUserPassword Input Message

The **ApiRemotingSoap_HasSmtpUserPassword_InputMessage** **WSDL message** contains the request for the **HasSmtpUserPassword** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ha
sSmtpUserPasswordRequest
<wsdl:message name="ApiRemotingSoap HasSmtpUserPassword InputMessage">
  <wsdl:part name="HasSmtpUserPassword" element="tns:HasSmtpUserPassword"/>
</wsdl:message>
```

3.1.4.73.1.2 ApiRemotingSoap_HasSmtpUserPassword Output Message

The **ApiRemotingSoap_HasSmtpUserPassword_OutputMessage** **WSDL message** contains the response for the **HasSmtpUserPassword** **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/HasSmtpUserPasswordResponse
<wsdl:message name="ApiRemotingSoap_HasSmtpUserPassword_OutputMessage">
  <wsdl:part name="HasSmtpUserPasswordResponse" element="tns:HasSmtpUserPasswordResponse"/>
</wsdl:message>
```

3.1.4.73.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
HasSmtpUserPassword	Contains the body for the request of the HasSmtpUserPassword WSDL operation.
HasSmtpUserPasswordResponse	Contains the body for the response of the HasSmtpUserPassword WSDL operation.

3.1.4.73.2.1 HasSmtpUserPassword

Contains the body for the request of the HasSmtpUserPassword WSDL operation. This element does not contain any data.

```
<xsd:element name="HasSmtpUserPassword" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.73.2.2 HasSmtpUserPasswordResponse

Contains the body for the response of the HasSmtpUserPassword **WSDL operation**.

```
<xsd:element name="HasSmtpUserPasswordResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="HasSmtpUserPasswordResult"
type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

HasSmtpUserPasswordResult: This field MUST be present. It specifies a Boolean value that when set to TRUE, indicates that the SMTP password for the user is set.

3.1.4.74 SignCabForPublishing

The SignCabForPublishing WSDL operation invokes the signing service to sign the specified file for publishing using the registered WSUS server signing certificate.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="SignCabForPublishing">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/SignCabForPublishingRequest"
```


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```
name="ApiRemotingSoap_SignCabForPublishing_InputMessage"
message="tns:ApiRemotingSoap SignCabForPublishing InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SignCabForPublishingResponse"
name="ApiRemotingSoap_SignCabForPublishing_OutputMessage"
message="tns:ApiRemotingSoap_SignCabForPublishing_OutputMessage"/>
</wsdl:operation>
```

3.1.4.74.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_SignCabForPublishing_InputMessage	A WSDL message containing the request for the **SignCabForPublishing** **WSDL operation**.
ApiRemotingSoap_SignCabForPublishing_OutputMessage	A WSDL message containing the response for the **SignCabForPublishing** WSDL operation.

3.1.4.74.1.1 ApiRemotingSoap_SignCabForPublishing Input Message

The **ApiRemotingSoap_SignCabForPublishing_InputMessage** **WSDL message** contains the request for the **SignCabForPublishing** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Si
gnCabForPublishingRequest
<wsdl:message name="ApiRemotingSoap_SignCabForPublishing_InputMessage">
  <wsdl:part name="SignCabForPublishing" element="tns:SignCabForPublishing"/>
</wsdl:message>
```

3.1.4.74.1.2 ApiRemotingSoap_SignCabForPublishing Output Message

The **ApiRemotingSoap_SignCabForPublishing_OutputMessage** **WSDL message** contains the response for the **SignCabForPublishing** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Si
gnCabForPublishingResponse
<wsdl:message name="ApiRemotingSoap_SignCabForPublishing_OutputMessage">
  <wsdl:part name="SignCabForPublishingResponse" element="tns:SignCabForPublishingResponse"/>
</wsdl:message>
```

3.1.4.74.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
SignCabForPublishing	Contains the body for the request of the SignCabForPublishing operation.

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Element	Description
SignCabForPublishingResponse	Contains the body for the response of the SignCabForPublishing operation.

3.1.4.74.2.1 SignCabForPublishing

This element contains the body of the ApiRemotingSoap_SignCabForPublishing_InputMessage WSDL message defined in section 3.1.4.74.1.1. The format is defined in section 3.1.4.74.3.1.

```
<xsd:element name="SignCabForPublishing" nillable="true"
type="tns:SignCabForPublishingRequestBody"/>
```

3.1.4.74.2.2 SignCabForPublishingResponse

This element contains the body of the ApiRemotingSoap_SignCabForPublishing_OutputMessage WSDL message defined in section 3.1.4.74.1.2. The format is defined in section 3.1.4.74.3.2.

```
<xsd:element name="SignCabForPublishingResponse" nillable="true"
type="tns:SignCabForPublishingResponseBody"/>
```

3.1.4.74.3 Complex Types

This operation includes the following complex types.

Complex type	Description
SignCabForPublishingRequestBody	Contains the full path and filename of the file to sign.
SignCabForPublishingResponseBody	Contains the response for the criteria.

3.1.4.74.3.1 SignCabForPublishingRequestBody

Contains the full path and filename of the file to sign.

```
<xsd:complexType name="SignCabForPublishingRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="filePath" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

filePath: This field MUST be present. It specifies the full path and filename of the file to sign.

3.1.4.74.3.2 SignCabForPublishingResponseBody

Contains the response for the criteria.

```
<xsd:complexType name="SignCabForPublishingResponse">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="SignCabForPublishingResult"
type="xsd:unsignedInt"/>
  </xsd:sequence>
```


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```
</xsd:complexType>
```

SignCabForPublishingResult: This field MUST be present. It specifies a return code where a value of 0 indicates success; otherwise, a nonzero error code is returned.

3.1.4.75 SignCabForPublishingWithTimeStampOption

The SignCabForPublishingWithTimeStampOption **WSDL operation** invokes the signing service on the WSUS server to sign the specified file.

This operation overrides the SignCabForPublishing (section 3.1.4.74) operation. It uses the registered WSUS server signing certificate to sign the specified file.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="SignCabForPublishingWithTimeStampOption">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SignCabForPublishingWithTimeStampOptionRequest"
name="ApiRemotingSoap_SignCabForPublishingWithTimeStampOption_InputMessage"
message="tns:ApiRemotingSoap SignCabForPublishingWithTimeStampOption InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SignCabForPublishingWithTimeStampOptionResponse"
name="ApiRemotingSoap_SignCabForPublishingWithTimeStampOption_OutputMessage"
message="tns:ApiRemotingSoap_SignCabForPublishingWithTimeStampOption_OutputMessage"/>
</wsdl:operation>
```

3.1.4.75.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_SignCabForPublishingWithTimeStampOption_InputMessage	A WSDL message containing the request for the **SignCabForPublishingWithTimeStampOption WSDL operation**.
ApiRemotingSoap_SignCabForPublishingWithTimeStampOption_OutputMessage	A WSDL message containing the response for the **SignCabForPublishingWithTimeStampOption** WSDL operation.

3.1.4.75.1.1 ApiRemotingSoap_SignCabForPublishingWithTimeStampOption Input Message

The **ApiRemotingSoap_SignCabForPublishingWithTimeStampOption_InputMessage WSDL message** contains the request for the **SignCabForPublishingWithTimeStampOption WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Si
gnCabForPublishingWithTimeStampOptionRequest
<wsdl:message name="ApiRemotingSoap_SignCabForPublishingWithTimeStampOption_InputMessage">
```


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```
  <wsdl:part name="SignCabForPublishingWithTimeStampOption"
element="tns:SignCabForPublishingWithTimeStampOption"/>
</wsdl:message>
```

3.1.4.75.1.2 ApiRemotingSoap_SignCabForPublishingWithTimeStampOption Output Message

The **ApiRemotingSoap_SignCabForPublishingWithTimeStampOption_OutputMessage** **WSDL message** contains the response for the **SignCabForPublishingWithTimeStampOption** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Si
gnCabForPublishingWithTimeStampOptionResponse
<wsdl:message name="ApiRemotingSoap SignCabForPublishingWithTimeStampOption OutputMessage">
  <wsdl:part name="SignCabForPublishingWithTimeStampOptionResponse"
element="tns:SignCabForPublishingWithTimeStampOptionResponse"/>
</wsdl:message>
```

3.1.4.75.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
SignCabForPublishingWithTimeStampOption	Contains the body for the request of the SignCabForPublishingWithTimeStampOption operation.
SignCabForPublishingWithTimeStampOptionResponse	Contains the body for the response of the SignCabForPublishingWithTimeStampOption operation.

3.1.4.75.2.1 SignCabForPublishingWithTimeStampOption

This element contains the body of the ApiRemotingSoap_ SignCabForPublishingWithTimeStampOption_InputMessage WSDL message defined in section 3.1.4.75.1.1. The format is defined in section 3.1.4.75.3.1.

```
<xsd:element name="SignCabForPublishingWithTimeStampOption" nillable="true"
type="tns:SignCabForPublishingWithTimeStampOptionRequestBody"/>
```

3.1.4.75.2.2 SignCabForPublishingWithTimeStampOptionResponse

This element contains the body of the ApiRemotingSoap_ SignCabForPublishingWithTimeStampOption_OutputMessage WSDL message defined in section 3.1.4.75.1.2. The format is defined in section 3.1.4.75.3.2.

```
<xsd:element name="SignCabForPublishingWithTimeStampOptionResponse" nillable="true"
type="tns:SignCabForPu
blishingWithTimeStampOptionResponseBody"/>
```

3.1.4.75.3 Complex Types

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This operation includes the following complex types.

Complex type	Description
SignCabForPublishingWithTimeStampOptionRequestBody	Contains the criteria for signing the specified file to publish with a time stamp.
SignCabForPublishingWithTimeStampOptionResponseBody	Contains the return value indicating success or error.

3.1.4.75.3.1 SignCabForPublishingWithTimeStampOptionRequestBody

Contains the criteria for signing the specified file to publish with a time stamp.

```
<xsd:complexType name="SignCabForPublishingWithTimeStampOption">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="filePath" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="signWithoutTimeStamp" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

filePath: This field MUST be present. It specifies the path to the file to publish.

signWithoutTimeStamp: This field MUST be present. It is a Boolean that specifies whether or not to include a time stamp when signing the file. A value of TRUE causes the file to be published without a time stamp.

3.1.4.75.3.2 SignCabForPublishingWithTimeStampOptionResponseBody

Contains the return value indicating success or error.

```
<xsd:complexType name="SignCabForPublishingWithTimeStampOptionResponse">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1"
name="SignCabForPublishingWithTimeStampOptionResult" type="xsd:unsignedInt"/>
  </xsd:sequence>
</xsd:complexType>
```

SignCabForPublishingWithTimeStampOptionResult: This field MUST be present. It contains a return code where a value of 0 indicates success; otherwise, a nonzero error code is returned.

3.1.4.76 SignCabExForPublishingWithTimeStampOption

The SignCabExForPublishingWithTimeStampOption **WSDL operation** invokes a signing service for dual SHA1 and SHA2 (SHA256) signing.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="SignCabExForPublishingWithTimeStampOption">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SignCabExForPublishingWithTimeStampOptionRequest"
name="ApiRemotingSoap SignCabExForPublishingWithTimeStampOption InputMessage"
message="tns:ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption_InputMessage"/>
```


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```
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SignCabExForPublishingWithTimeStampOptionResponse"
name="ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption_OutputMessage"
message="tns:ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption_OutputMessage"/>
</wsdl:operation>
```

3.1.4.76.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption_InputMessage	A WSDL message containing the request for the SignCabExForPublishingWithTimeStampOption **WSDL operation**.
ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption_OutputMessage	A WSDL message containing the response for the SignCabExForPublishingWithTimeStampOption WSDL operation.

3.1.4.76.1.1 ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption Input Message

The ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption_InputMessage **WSDL message** contains the request for the SignCabExForPublishingWithTimeStampOption **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Si
gnCabExForPublishingWithTimeStampOptionRequest
<wsdl:message name="ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption_InputMessage">
  <wsdl:part name="SignCabExForPublishingWithTimeStampOption"
element="tns:SignCabExForPublishingWithTimeStampOption"/>
</wsdl:message>
```

3.1.4.76.1.2 ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption Output Message

The ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption_OutputMessage **WSDL message** contains the response for the SignCabExForPublishingWithTimeStampOption **WSDL operation**.

The **SOAP action** value is as follows:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Si
gnCabExForPublishingWithTimeStampOptionResponse
<wsdl:message name="ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption_OutputMessage">
  <wsdl:part name="SignCabExForPublishingWithTimeStampOptionResponse"
element="tns:SignCabExForPublishingWithTimeStampOptionResponse"/>
</wsdl:message>
```

3.1.4.76.2 Elements

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This operation includes the following **WSDL** elements.

Element	Description
SignCabExForPublishingWithTimeStampOption	Contains the body for the request of the SignCabExForPublishingWithTimeStampOption operation.
SignCabExForPublishingWithTimeStampOptionResponse	Contains the body for the response of the SignCabExForPublishingWithTimeStampOption operation.

3.1.4.76.2.1 SignCabExForPublishingWithTimeStampOption

This element contains the body of the ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption_InputMessage WSDL message defined in section 3.1.4.76.1.1. The format is defined in section 3.1.4.76.3.1.

```
<xsd:element name="SignCabExForPublishingWithTimeStampOption" nillable="true"
 type="tns:SignCabExForPublishingWithTimeStampOptionRequestBody"/>
```

3.1.4.76.2.2 SignCabExForPublishingWithTimeStampOptionResponse

This element contains the body of the ApiRemotingSoap_SignCabExForPublishingWithTimeStampOption_OutputMessage WSDL message defined in section 3.1.4.76.1.2. The format is defined in section 3.1.4.76.3.2.

```
<xsd:element name="SignCabExForPublishingWithTimeStampOptionResponse" nillable="true"
type="tns:SignCabExForPublishingWithTimeStampOptionResponseBody"/>
```

3.1.4.76.3 Complex Types

This operation includes the following complex types.

Complex type	Description
SignCabExForPublishingWithTimeStampOptionRequestBody	Contains the criteria for the signing service.
SignCabExForPublishingWithTimeStampOptionResponseBody	Contains the return value indicating success or error.

3.1.4.76.3.1 SignCabExForPublishingWithTimeStampOptionRequestBody

Contains the criteria for the signing service.

```
<xsd:complexType name="SignCabExForPublishingWithTimeStampOption">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="filePath" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="httpTimeStamp" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="signWithoutTimeStamp" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```


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filePath: This field MUST be present. It specifies the path to the file to publish. If the **filePath** field is NULL, the server MUST send a SOAP fault as specified in section 3.1.4.1.

httpTimeStamp: This field MUST be present. It specifies the time stamp of the server URL.

signWithoutTimeStamp: This field MUST be present. It is a Boolean that specifies whether or not to include the time stamp when signing the file. A value of TRUE causes the file to be published without a time stamp.

3.1.4.76.3.2 SignCabExForPublishingWithTimeStampOptionResponseBody

Contains the return value indicating success or error.

```
<xsd:complexType name="SignCabExForPublishingWithTimeStampOptionResponse">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1"
name="SignCabExForPublishingWithTimeStampOptionResult" type="xsd:unsignedInt"/>
  </xsd:sequence>
</xsd:complexType>
```

SignCabExForPublishingWithTimeStampOptionResult: This field MUST be present. It contains a return code where a value of 0 indicates success; otherwise, s nonzero error code is returned.

3.1.4.77 ImportUpdateForPublishing

The ImportUpdateForPublishing **WSDL operation** imports the package into the WSUS server for publishing.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ImportUpdateForPublishing">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ImportUpdateForPublishingRequest"
name="ApiRemotingSoap_ImportUpdateForPublishing_InputMessage"
message="tns:ApiRemotingSoap ImportUpdateForPublishing InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ImportUpdateForPublishingResponse"
name="ApiRemotingSoap_ImportUpdateForPublishing_OutputMessage"
message="tns:ApiRemotingSoap_ImportUpdateForPublishing_OutputMessage"/>
</wsdl:operation>
```

If any of the following errors occur, the server MUST send a SOAP fault as specified in section 3.1.4.1.

- The **susXML** or **urlData** fields are NULL.
- The **sdpOnly** field is set to TRUE.

3.1.4.77.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ImportUpdateForPublishing_InputMessage	A WSDL message containing the request for the ImportUpdateForPublishing **WSDL operation**.

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Message	Description
ApiRemotingSoap_ImportUpdateForPublishing_OutputMessage	A WSDL message containing the response for the ImportUpdateForPublishing WSDL operation.

3.1.4.77.1.1 ApiRemotingSoap_ImportUpdateForPublishing Input Message

The ApiRemotingSoap_ImportUpdateForPublishing_InputMessage **WSDL message** contains the request for the ImportUpdateForPublishing **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Im
portUpdateForPublishingRequest
<wsdl:message name="ApiRemotingSoap ImportUpdateForPublishing InputMessage">
  <wsdl:part name="ImportUpdateForPublishing" element="tns:ImportUpdateForPublishing"/>
</wsdl:message>
```

3.1.4.77.1.2 ApiRemotingSoap_ImportUpdateForPublishing Output Message

The ApiRemotingSoap_ImportUpdateForPublishing_OutputMessage **WSDL message** contains the response for the ImportUpdateForPublishing **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Im
portUpdateForPublishingResponse
<wsdl:message name="ApiRemotingSoap_ImportUpdateForPublishing_OutputMessage">
  <wsdl:part name="ImportUpdateForPublishingResponse"
element="tns:ImportUpdateForPublishingResponse"/>
</wsdl:message>
```

3.1.4.77.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ImportUpdateForPublishing	Contains the request for the ImportUpdateForPublishing WSDL operation.
ImportUpdateForPublishingResponse	Contains the response for the ImportUpdateForPublishing WSDL operation.

3.1.4.77.2.1 ImportUpdateForPublishing

This element contains the request body for the ImportUpdateForPublishing WSDL operation. The format is defined in section 3.1.4.77.3.2.

```
<xsd:element name="ImportUpdateForPublishing" nillable="true"
type="tns:ImportUpdateForPublishingRequestBody"/>
```

3.1.4.77.2.2 ImportUpdateForPublishingResponse

This element contains the response body for the ImportUpdateForPublishing WSDL operation. The format is defined in section 3.1.4.77.3.3.

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```
<xsd:element name="ImportUpdateForPublishingResponse" nillable="true"
type="q1:ImportUpdateForPublishingResponseBody"/>
```

3.1.4.77.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ArrayOfServerSyncUrlData	Contains an array of ServerSyncUrlData.
ImportUpdateForPublishingRequestBody	Contains the request for importing the data for publishing.
ImportUpdateForPublishingResponseBody	Contains the package for publishing.
ServerSyncUrlData	Contains information about the download URLs for the update.

3.1.4.77.3.1 ArrayOfServerSyncUrlData

Contains an array of ServerSyncUrlData.

```
<xsd:complexType name="ArrayOfServerSyncUrlData">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="ServerSyncUrlData" nillable="true"
type="tns:ServerSyncUrlData"/>
  </xsd:sequence>
</xsd:complexType>
```

ServerSyncUrlData: This field MUST be present. The data type is specified in section 3.1.4.77.3.4.

3.1.4.77.3.2 ImportUpdateForPublishingRequestBody

Contains the request for importing the data for publishing.

```
<xsd:complexType name="ImportUpdateForPublishing">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="susXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="uspXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="urlData" nillable="true"
type="tns:ArrayOfServerSyncUrlData"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="sdpOnly" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

urlData: This field MUST be present. It contains the URL array for the update content.

susXml: This field MUST NOT be present. This field is reserved.

uspXml: This field MUST be present. It contains the update metadata.<12>

sdpOnly: This field MUST be present. It MUST be set to TRUE to indicate that the update is imported as part of the local publishing operation.

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3.1.4.77.3.3 ImportUpdateForPublishingResponseBody

Contains the package for publishing. This complex type does not contain any data.

```
<xsd:complexType name="ImportUpdateForPublishingResponseBody"/>
```

3.1.4.77.3.4 ServerSyncUrlData

Contains information about the download URLs for content files associated with the update.

```
<xsd:complexType name="ServerSyncUrlData">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="FileDigest" nillable="true"
type="xsd:base64Binary"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="MUUrl" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="UssUrl" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="DecryptionKey" type="xsd:base64Binary" />
  </xsd:sequence>
</xsd:complexType>
```

FileDigest: This field MUST be present. It contains the key for a file that is 20 bytes in length.

MUUrl: This field MUST be present. It contains the URL to the Microsoft Update (MU) server.

UssUrl: This field MUST be present. It contains the URL of the upstream WSUS server.

DecryptionKey: This field is optional. It contains the decryption key for the file, if it is encrypted.

3.1.4.78 ApplyAutomaticUpdateApprovalRule

The ApplyAutomaticUpdateApprovalRule WSDL operation gets the list of existing updates that require approval via an automatic approval rule.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ApplyAutomaticUpdateApprovalRule">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ApplyAutomaticUpdateApprovalRuleRequest"
name="ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule_InputMessage"
message="tns:ApiRemotingSoap ApplyAutomaticUpdateApprovalRule InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ApplyAutomaticUpdateApprovalRuleResponse"
name="ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule_OutputMessage"
message="tns:ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule_OutputMessage"/>
</wsdl:operation>
```

3.1.4.78.1 Messages

This operation includes the following **WSDL messages**.

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Message	Description
ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule_InputMessage	A WSDL message containing the request for the ApplyAutomaticUpdateApprovalRule **WSDL operation**.
ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule_OutputMessage	A WSDL message containing the response for the ApplyAutomaticUpdateApprovalRule WSDL operation.

3.1.4.78.1.1 ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule Input Message

The ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule_InputMessage **WSDL message** contains the request for the ApplyAutomaticUpdateApprovalRule **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ap
plyAutomaticUpdateApprovalRuleRequest
<wsdl:message name="ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule_InputMessage">
  <wsdl:part name="ApplyAutomaticUpdateApprovalRule"
element="tns:ApplyAutomaticUpdateApprovalRule"/>
</wsdl:message>
```

3.1.4.78.1.2 ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule Output Message

The ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule_OutputMessage **WSDL message** contains the response for the ApplyAutomaticUpdateApprovalRule **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ap
plyAutomaticUpdateApprovalRuleResponse
<wsdl:message name="ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule_OutputMessage">
  <wsdl:part name="ApplyAutomaticUpdateApprovalRuleResponse"
element="tns:ApplyAutomaticUpdateApprovalRuleResponse"/>
</wsdl:message>
```

3.1.4.78.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ApplyAutomaticUpdateApprovalRule	Contains the body for the request of the ApplyAutomaticUpdateApprovalRule WSDL operation.
ApplyAutomaticUpdateApprovalRuleResponse	Contains the body for the response of the ApplyAutomaticUpdateApprovalRule WSDL operation.

3.1.4.78.2.1 ApplyAutomaticUpdateApprovalRule

This element contains the body of the ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule Input Message WSDL message defined in section 3.1.4.78.1.1. The format is defined in section 3.1.4.78.3.1.

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```
<xsd:element name="ApplyAutomaticUpdateApprovalRule" nillable="true"
type="tns:ApplyAutomaticUpdateApprovalRuleRequestBody"/>
```

3.1.4.78.2.2 ApplyAutomaticUpdateApprovalRuleResponse

This element contains the body of the ApiRemotingSoap_ApplyAutomaticUpdateApprovalRule Output Message WSDL message defined in section 3.1.4.78.1.2. The format is defined in section 3.1.4.78.3.2.

```
<xsd:element name="ApplyAutomaticUpdateApprovalRuleResponse" nillable="true"
type="tns:ApplyAutomaticUpdateApprovalRuleResponseBody"/>
```

3.1.4.78.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ApplyAutomaticUpdateApprovalRuleRequestBody	Contains the rules for updates to be automatically approved.
ApplyAutomaticUpdateApprovalRuleResponseBody	Contains the list of revision IDs for which to set up a rule for automatic updates.
ArrayOfUpdateRevisionId	Contains a list of update revision IDs.

3.1.4.78.3.1 ApplyAutomaticUpdateApprovalRuleRequestBody

Contains the rules for updates to be automatically approved.

```
<xsd:complexType name="ApplyAutomaticUpdateApprovalRule">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="ruleId" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

ruleId: This field MUST be present. It contains the ID of the automatic approval rule to apply to the existing update.

3.1.4.78.3.2 ApplyAutomaticUpdateApprovalRuleResponseBody

Contains list of revision IDs for which to set up a rule for automatic updates.

```
<xsd:complexType name="ApplyAutomaticUpdateApprovalRuleResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ApplyAutomaticUpdateApprovalRuleResult"
nillable="true" type="tns:ArrayOfUpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

ApplyAutomaticUpdateApprovalRuleResult: This field MUST be present. It contains the list of revision IDs for which an automatic approval rule has been set up.

3.1.4.78.3.3 ArrayOfUpdateRevisionId

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Contains a list of update revision IDs.

```
<xsd:complexType name="ArrayOfUpdateRevisionId">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="UpdateRevisionId" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

UpdateRevisionId: This field MUST be present. It contains the revision ID of the specified update.

3.1.4.79 AddDynamicCategory

The AddDynamicCategory WSDL operation adds a single dynamic category to the update server.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="AddDynamicCategory">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/AddDy
namicCategory" name="ApiRemotingSoap AddDynamicCategory InputMessage"
message="tns:ApiRemotingSoap_AddDynamicCategory_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/AddDynamicCategoryResponse"
name="ApiRemotingSoap_AddDynamicCategory_OutputMessage"
message="tns:ApiRemotingSoap_AddDynamicCategory_OutputMessage"/>
</wsdl:operation>
```

If this operation is invoked multiple times with the same dynamic category, the protocol server MUST add the specified dynamic category only once. No error message is sent to the client if the specified dynamic category already exists.

3.1.4.79.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_AddDynamicCategory_InputMessage	Contains the request for the AddDynamicCategory WSDL operation.
ApiRemotingSoap_AddDynamicCategory_OutputMessage	Contains the response for the AddDynamicCategory WSDL operation.

3.1.4.79.1.1 ApiRemotingSoap_AddDynamicCategory_InputMessage

This message contains the request for the AddDynamicCategory WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/AddDynamicCategory
<wsdl:message name="ApiRemotingSoap_AddDynamicCategory_InputMessage">
  <wsdl:part name="AddDynamicCategory" element="tns:AddDynamicCategory"/>
</wsdl:message>
```


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3.1.4.79.1.2 ApiRemotingSoap_AddDynamicCategory_OutputMessage

This message contains the response for the AddDynamicCategory WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ad
dDynamicCategoryResponse
<wsdl:message name="ApiRemotingSoap AddDynamicCategory OutputMessage">
  <wsdl:part name="AddDynamicCategoryResponse" element="tns:AddDynamicCategoryResponse"/>
</wsdl:message>
```

3.1.4.79.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
AddDynamicCategory	Contains the body for the request of the AddDynamicCategory WSDL operation.
AddDynamicCategoryResponse	Contains the body for the response of the AddDynamicCategory WSDL operation.

3.1.4.79.2.1 AddDynamicCategory

This element contains the body of the request for the AddDynamicCategory WSDL operation. The format is defined in section 3.1.4.79.3.1.

```
<xsd:element name="AddDynamicCategory" nillable="true"
type="tns:AddDynamicCategoryRequestBody"/>
```

3.1.4.79.2.2 AddDynamicCategoryResponse

This element contains the body of the response for the AddDynamicCategory WSDL operation. The format is defined in section 3.1.4.79.3.2.

```
<xsd:element name="AddDynamicCategoryResponse" nillable="true"
type="q1:AddDynamicCategoryResponseBody"/>
```

3.1.4.79.3 Complex Types

This operation includes the following complex types.

Complex type	Description
AddDynamicCategoryRequestBody	Specifies the dynamic category that is to be added to the update server.
AddDynamicCategoryResponseBody	This complex type does not contain any data.

3.1.4.79.3.1 AddDynamicCategoryRequestBody

Specifies the dynamic category that is to be added to the update server.

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```
<xsd:complexType name="AddDynamicCategoryRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="name" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="type" type="xsd:unsignedByte"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="origin" nillable="true"
type="xsd:unsignedByte"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="isSyncEnabled" nillable="true"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="discoveryTime" nillable="true"
type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetId" nillable="true" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

id: This field MUST be present. It contains the string representation of the GUID that uniquely identifies the dynamic category.

name: This field MUST be present. It contains the name of the category. The length of the string MUST NOT be greater than 200 characters.

type: This field MUST be present. It specifies the DynamicCategoryType of the dynamic category, as defined in section 2.2.5.13.

origin: If present, this field specifies the origin of the dynamic category. The value is of type OriginType, defined in section 2.2.5.14.

isSyncEnabled: If this field is present, a value of TRUE indicates that the dynamic category is considered for update synchronization. A protocol server implementation MUST assume a default value of TRUE, if the field is not present.

discoveryTime: If present, this field specifies the time and date in UTC when this dynamic category was first discovered. If the field is not present, the default value is the time and date in UTC when this operation is invoked by the protocol server implementation.

targetId: This field MUST be NULL. It is reserved for future use.

3.1.4.79.3.2 AddDynamicCategoryResponseBody

This complex type does not contain any data.

```
<xsd:complexType name="AddDynamicCategoryResponseBody"/>
```

3.1.4.80 AddDynamicCategories

The AddDynamicCategories WSDL operation adds a collection of dynamic categories to the update server.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="AddDynamicCategories">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/AddDy
namicCategories" name="ApiRemotingSoap_AddDynamicCategories_InputMessage"
message="tns:ApiRemotingSoap_AddDynamicCategories_InputMessage"/>
```


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```
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/AddDynamicCategoriesResponse"
name="ApiRemotingSoap_AddDynamicCategories_OutputMessage"
message="tns:ApiRemotingSoap_AddDynamicCategories_OutputMessage"/>
</wsdl:operation>
```

3.1.4.80.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_AddDynamicCategories_InputMessage	Contains the request for the AddDynamicCategories WSDL operation.
ApiRemotingSoap_AddDynamicCategories_OutputMessage	Contains the response for the AddDynamicCategories WSDL operation.

3.1.4.80.1.1 ApiRemotingSoap_AddDynamicCategories_InputMessage

This message contains the request for the AddDynamicCategories **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/AddDynamicCategori
es
<wsdl:message name="ApiRemotingSoap_AddDynamicCategories_InputMessage">
  <wsdl:part name="AddDynamicCategories" element="tns:AddDynamicCategories"/>
</wsdl:message>
```

3.1.4.80.1.2 ApiRemotingSoap_AddDynamicCategories_OutputMessage

This message contains the response for the AddDynamicCategories **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ad
dDynamicCategoriesResponse
<wsdl:message name="ApiRemotingSoap AddDynamicCategories OutputMessage">
  <wsdl:part name="AddDynamicCategoriesResponse" element="tns:AddDynamicCategoriesResponse"/>
</wsdl:message>
```

3.1.4.80.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
AddDynamicCategories	Contains the body for the request of the AddDynamicCategories WSDL operation.
AddDynamicCategoriesResponse	Contains the body for the response for the AddDynamicCategories WSDL operation.

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3.1.4.80.2.1 AddDynamicCategories

This element contains the body of the request for the AddDynamicCategories WSDL operation. The format is defined in section 3.1.4.80.3.1.

```
<xsd:element name="AddDynamicCategories" nillable="true"
type="tns:AddDynamicCategoriesRequestBody"/>
```

3.1.4.80.2.2 AddDynamicCategoriesResponse

This element contains the body of the response for the AddDynamicCategories WSDL operation. The format is defined in section 3.1.4.80.3.2.

```
<xsd:element name="AddDynamicCategoriesResponse" nillable="true"
type="q1:AddDynamicCategoriesResponseBody"/>
```

3.1.4.80.3 Complex Types

This operation includes the following complex types.

Complex type	Description
AddDynamicCategoriesRequestBody	Contains a collection of dynamic categories that are to be added to the update server.
AddDynamicCategoriesResponseBody	This complex type does not contain any data.

3.1.4.80.3.1 AddDynamicCategoriesRequestBody

Specifies the dynamic categories that are to be added to the update server.

```
<xsd:complexType name="AddDynamicCategoriesRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="categories" nillable="true"
type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

Categories: This field MUST be present. It contains a collection of DynamicCategory items, as defined in section 2.2.4.12.1.8.

3.1.4.80.3.2 AddDynamicCategoriesResponseBody

This complex type does not contain any data.

```
<xsd:complexType name="AddDynamicCategoriesResponseBody"/>
```

3.1.4.81 GetDynamicCategory

The GetDynamicCategory WSDL operation returns information about the specified dynamic category.

This operation is specified by the following **WSDL**.

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```
<wsdl:operation name="GetDynamicCategory">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetDy
namicCategory" name="ApiRemotingSoap_GetDynamicCategory_InputMessage"
message="tns:ApiRemotingSoap_GetDynamicCategory_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetDynamicCategoryResponse"
name="ApiRemotingSoap_GetDynamicCategory_OutputMessage"
message="tns:ApiRemotingSoap_GetDynamicCategory_OutputMessage"/>
</wsdl:operation>
```

If the specified dynamic category does not exist, the update server MUST send a SOAP fault according to the errors listed in section 3.1.4.1.

3.1.4.81.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_GetDynamicCategory_InputMessage	Contains the request for the GetDynamicCategory WSDL operation.
ApiRemotingSoap_GetDynamicCategory_OutputMessage	Contains the response for the GetDynamicCategory WSDL operation.

3.1.4.81.1.1 ApiRemotingSoap_GetDynamicCategory_InputMessage

This message contains the request for the GetDynamicCategory **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetDynamicCategory
<wsdl:message name="ApiRemotingSoap_GetDynamicCategory_InputMessage">
  <wsdl:part name="GetDynamicCategory" element="tns:GetDynamicCategory"/>
</wsdl:message>
```

3.1.4.81.1.2 ApiRemotingSoap_GetDynamicCategory_OutputMessage

This message contains the response for the GetDynamicCategory **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tDynamicCategoryResponse
<wsdl:message name="ApiRemotingSoap_GetDynamicCategory_OutputMessage">
  <wsdl:part name="GetDynamicCategoryResponse" element="tns:GetDynamicCategoryResponse"/>
</wsdl:message>
```

3.1.4.81.2 Elements

This operation includes the following **WSDL** elements.

Element	Description

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Element	Description
GetDynamicCategory	Contains the body for the request of the GetDynamicCategory WSDL operation.
GetDynamicCategoryResponse	Contains the body for the response for the GetDynamicCategory WSDL operation.

3.1.4.81.2.1 GetDynamicCategory

This element contains the body of the request for the GetDynamicCategory WSDL operation. The format is defined in section 3.1.4.81.3.1.

```
<xsd:element name="GetDynamicCategory" nillable="true"
type="tns:GetDynamicCategoryRequestBody"/>
```

3.1.4.81.2.2 GetDynamicCategoryResponse

This element contains the body of the response for the GetDynamicCategory WSDL operation. The format is defined in section 3.1.4.81.3.2.

```
<xsd:element name="GetDynamicCategoryResponse" nillable="true"
type="tns:GetDynamicCategoryResponseBody"/>
```

3.1.4.81.3 Complex Types

This operation includes the following complex types.

Complex type	Description
GetDynamicCategoryRequestBody	Specifies the name and DynamicCategoryType of the category for which information is requested.
GetDynamicCategoryResponseBody	Contains information about the requested dynamic category.

3.1.4.81.3.1 GetDynamicCategoryRequestBody

```
<xsd:complexType name="GetDynamicCategoryRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="name" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="type" type="xsd:unsignedByte"/>
  </xsd:sequence>
</xsd:complexType>
```

name: This field MUST be present. It contains the name of the dynamic category. The length of the string MUST NOT be greater than 200 characters.

type: This field MUST be present. It specifies the DynamicCategoryType of the dynamic category, as defined in section 2.2.5.13.

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3.1.4.81.3.2 GetDynamicCategoryResponseBody

```
<xsd:complexType name="GetDynamicCategoryResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="GetDynamicCategoryResult" nillable="true"
type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

GetDynamicCategoryResult: This field MUST be present. It represents a DynamicCategory, as defined in section 2.2.4.12.1.8.

3.1.4.82 GetDynamicCategories

The GetDynamicCategories WSDL operation returns a collection of dynamic categories that satisfy the specified filter criteria.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="GetDynamicCategories">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetDy
namicCategories" name="ApiRemotingSoap GetDynamicCategories InputMessage"
message="tns:ApiRemotingSoap_GetDynamicCategories_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetDynamicCategoriesResponse"
name="ApiRemotingSoap_GetDynamicCategories_OutputMessage"
message="tns:ApiRemotingSoap GetDynamicCategories OutputMessage"/>
</wsdl:operation>
```

3.1.4.82.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_GetDynamicCategories_InputMessage	Contains the request for the GetDynamicCategories WSDL operation.
ApiRemotingSoap_GetDynamicCategories_OutputMessage	Contains the response for the GetDynamicCategories WSDL operation.

3.1.4.82.1.1 ApiRemotingSoap_GetDynamicCategories_InputMessage

This message contains the request for the GetDynamicCategories **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetDynamicCategori
es
<wsdl:message name="ApiRemotingSoap_GetDynamicCategories_InputMessage">
  <wsdl:part name="GetDynamicCategories" element="tns:GetDynamicCategories"/>
</wsdl:message>
```

3.1.4.82.1.2 ApiRemotingSoap_GetDynamicCategories_OutputMessage

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This message contains the response for the GetDynamicCategories **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/GetDynamicCategoriesResponse
<wsdl:message name="ApiRemotingSoap GetDynamicCategories OutputMessage">
  <wsdl:part name="GetDynamicCategoriesResponse" element="tns:GetDynamicCategoriesResponse"/>
</wsdl:message>
```

3.1.4.82.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
GetDynamicCategories	Contains the body for the request of the GetDynamicCategories WSDL operation.
GetDynamicCategoriesResponse	Contains the body for the response for the GetDynamicCategories WSDL operation.

3.1.4.82.2.1 GetDynamicCategories

This element contains the body of the request for the GetDynamicCategories WSDL operation. The format is defined in section 3.1.4.82.3.1.

```
<xsd:element name="GetDynamicCategories" nillable="true"
type="tns:GetDynamicCategoriesRequestBody"/>
```

3.1.4.82.2.2 GetDynamicCategoriesResponse

This element contains the body of the response for the GetDynamicCategories WSDL operation. The format is defined in section 3.1.4.81.3.2.

```
<xsd:element name="GetDynamicCategoriesResponse" nillable="true"
type="tns:GetDynamicCategoriesResponseBody"/>
```

3.1.4.82.3 Complex Types

This operation includes the following complex types.

Complex type	Description
GetDynamicCategoriesRequestBody	Specifies the filter criteria for the dynamic categories.
GetDynamicCategoriesResponseBody	Contains a collection of dynamic category items.

3.1.4.82.3.1 GetDynamicCategoriesRequestBody

```
<xsd:complexType name="GetDynamicCategoriesRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="skip" type="xsd:long"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="take" type="xsd:long"/>
```


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```
    <xsd:element minOccurs="1" maxOccurs="1" name="type" nillable="true"
type="xsd:unsignedByte"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="origin" nillable="true"
type="xsd:unsignedByte"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="isUpdateSyncEnabled" nillable="true"
type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="discoveredOnOrAfter" nillable="true"
type="xsd:long"/>
  </xsd:sequence>
</xsd:complexType>
```

skip: This field MUST be present. It specifies the number of items in the result set that are to be skipped and excluded from the returned collection. The value MUST be equal to or greater than zero (0).

take: This field MUST be present. It specifies the maximum number of items to return. The value MUST be equal to or greater than zero (0).

type: If this field is present, it specifies the DynamicCategoryType, as defined in section 2.2.5.13, of the dynamic categories that are to be returned. If this field is omitted by the protocol client, the protocol server MUST return dynamic categories of any type.

origin: If this field is present, it specifies the OriginType, as defined in section 2.2.5.14, of the dynamic categories that are to be returned. If this field is omitted by the protocol client, the protocol server MUST return dynamic category with any type of origin.

isUpdateSyncEnabled: If this field is present, a value of True indicates to return only categories for which update synchronization is enabled. If the field is omitted by the protocol client, the protocol server MUST return dynamic categories regardless of whether update synchronization is enabled or not.

discoveredOnOrAfter: If this field is present, it specifies a minimum date and time in UTC. All dynamic categories returned MUST be discovered on or after the time and date specified. If this parameter is omitted by the protocol client, the protocol server MUST return dynamic categories regardless of when they were added to the server.

3.1.4.82.3.2 GetDynamicCategoriesResponseBody

```
<xsd:complexType name="GetDynamicCategoriesResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="GetDynamicCategoriesResult"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

GetDynamicCategoriesResult: This field MUST be present. It is of type GenericReadableRow (section 2.2.4.12) and represents a collection of DynamicCategory items as defined in section 2.2.4.12.1.8.

3.1.4.83 SetDynamicCategorySyncStatus

The SetDynamicCategorySyncStatus WSDL operation sets the synchronization status of the specified dynamic category to the specified value.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="SetDynamicCategorySyncStatus">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SetDy
```


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```
namicCategorySyncStatus" name="ApiRemotingSoap_SetDynamicCategorySyncStatus_InputMessage"
message="tns:ApiRemotingSoap SetDynamicCategorySyncStatus InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetDynamicCategorySyncStatusResponse"
name="ApiRemotingSoap_SetDynamicCategorySyncStatus_OutputMessage"
message="tns:ApiRemotingSoap_SetDynamicCategorySyncStatus_OutputMessage"/>
</wsdl:operation>
```

If the specified dynamic category does not exist, the protocol server MUST send a SOAP fault as defined in section 3.1.4.1.

3.1.4.83.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_SetDynamicCategorySyncStatus_InputMessage	Contains the request for the WSDL operation.
ApiRemotingSoap_SetDynamicCategorySyncStatus_OutputMessage	Contains the response for the WSDL operation.

3.1.4.83.1.1 ApiRemotingSoap_SetDynamicCategorySyncStatus_InputMessage

This message contains the request for the SetDynamicCategorySyncStatus **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SetDynamicCategory
SyncStatus
<wsdl:message name="ApiRemotingSoap SetDynamicCategorySyncStatus InputMessage">
  <wsdl:part name="SetDynamicCategorySyncStatus" element="tns:SetDynamicCategorySyncStatus"/>
</wsdl:message>
```

3.1.4.83.1.2 ApiRemotingSoap_SetDynamicCategorySyncStatus_OutputMessage

This message contains the response for the SetDynamicCategorySyncStatus **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Se
tDynamicCategorySyncStatusResponse
<wsdl:message name="ApiRemotingSoap SetDynamicCategorySyncStatus OutputMessage">
  <wsdl:part name="SetDynamicCategorySyncStatusResponse"
element="tns:SetDynamicCategorySyncStatusResponse"/>
</wsdl:message>
```

3.1.4.83.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
SetDynamicCategorySyncStatus	Contains the body for the request of the WSDL operation.

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Element	Description
SetDynamicCategorySyncStatusResponse	Contains the body for the response for the WSDL operation.

3.1.4.83.2.1 SetDynamicCategorySyncStatus

This element contains the body of the request for the SetDynamicCategorySyncStatus WSDL operation.

```
<xsd:element name="SetDynamicCategorySyncStatus" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
      <xsd:element minOccurs="1" maxOccurs="1" name="isSyncEnabled" type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

id: This field MUST be present. It contains the GUID of the dynamic category for which the sync status is to be changed.

isSyncEnabled: This field MUST be present and indicates, whether the update server synchronizes updates for the dynamic category. A value of TRUE means that updates are being synchronized; False means that updates are not being synchronized.

3.1.4.83.2.2 SetDynamicCategorySyncStatusResponse

This element contains the body of the response for the SetDynamicCategorySyncStatus WSDL operation. This element does not contain any data.

```
<xsd:element name="SetDynamicCategorySyncStatusResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.84 DeleteDynamicCategory

The DeleteDynamicCategory WSDL operation removes the specified dynamic category from the update server.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="DeleteDynamicCategory">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Delet
eDynamicCategory" name="ApiRemotingSoap DeleteDynamicCategory InputMessage"
message="tns:ApiRemotingSoap_DeleteDynamicCategory_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/DeleteDynamicCategoryResponse"
name="ApiRemotingSoap_DeleteDynamicCategory_OutputMessage"
message="tns:ApiRemotingSoap DeleteDynamicCategory OutputMessage"/>
</wsdl:operation>
```


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If the specified category exists, the protocol server implementation MUST delete the category from the server; otherwise the protocol server MUST ignore the category and simply send the response message. It is not an error, if the specified category does not exist.

3.1.4.84.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_DeleteDynamicCategory_InputMessage	Contains the request for the DeleteDynamicCategory WSDL operation.
ApiRemotingSoap_DeleteDynamicCategory_OutputMessage	Contains the response for the DeleteDynamicCategory WSDL operation.

3.1.4.84.1.1 ApiRemotingSoap_DeleteDynamicCategory_InputMessage

This message contains the request for the DeleteDynamicCategory **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/DeleteDynamicCateg
ory
<wsdl:message name="ApiRemotingSoap_DeleteDynamicCategory_InputMessage">
  <wsdl:part name="DeleteDynamicCategory" element="tns:DeleteDynamicCategory"/>
</wsdl:message>
```

3.1.4.84.1.2 ApiRemotingSoap_DeleteDynamicCategory_OutputMessage

This message contains the response for the DeleteDynamicCategory **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/De
leteDynamicCategoryResponse
<wsdl:message name="ApiRemotingSoap DeleteDynamicCategory OutputMessage">
  <wsdl:part name="DeleteDynamicCategoryResponse"
element="tns:DeleteDynamicCategoryResponse"/>
</wsdl:message>
```

3.1.4.84.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
DeleteDynamicCategory	Contains the body for the request of the DeleteDynamicCategory WSDL operation.
DeleteDynamicCategoryResponse	Contains the body for the response for the DeleteDynamicCategory WSDL operation.

3.1.4.84.2.1 DeleteDynamicCategory

This element contains the body of the request for the DeleteDynamicCategory WSDL operation.

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```
<xsd:element name="DeleteDynamicCategory" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="id" nillable="true" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

id: This field MUST be present. It contains the GUID of the dynamic category that is to be deleted.

3.1.4.84.2.2 DeleteDynamicCategoryResponse

This element contains the body of the response for the DeleteDynamicCategory WSDL operation. This element does not contain any data.

```
<xsd:element name="DeleteDynamicCategoryResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.85 ExecuteSPGetExportData

The ExecuteSPGetExportData WSDL operation gets the list of updates for an export package.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetExportData">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetExportDataRequest"
name="ApiRemotingSoap ExecuteSPGetExportData InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetExportData_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetExportDataResponse"
name="ApiRemotingSoap_ExecuteSPGetExportData_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetExportData_OutputMessage"/>
</wsdl:operation>
```

3.1.4.85.1 Messages

This operation includes the following **WSDL** messages.

Message	Description
ApiRemotingSoap_ExecuteSPGetExportData_InputMessage	A **WSDL message** containing the request for the ExecuteSPGetExportData **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetExportData_OutputMessage	A WSDL message containing the response for the ExecuteSPGetExportData WSDL operation.

3.1.4.85.1.1 ApiRemotingSoap_ExecuteSPGetExportData Input Message

The ApiRemotingSoap_ExecuteSPGetExportData_InputMessage **WSDL message** contains the request for the ExecuteSPGetExportData **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetExportDataRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetExportData_InputMessage">
  <wsdl:part name="ExecuteSPGetExportData" element="tns:ExecuteSPGetExportData"/>
</wsdl:message>
```

3.1.4.85.1.2 ApiRemotingSoap_ExecuteSPGetExportData Output Message

The ApiRemotingSoap_ExecuteSPGetExportData_OutputMessage **WSDL message** contains the response for the ExecuteSPGetExportData **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetExportDataResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetExportData_OutputMessage">
  <wsdl:part name="ExecuteSPGetExportDataResponse"
element="tns:ExecuteSPGetExportDataResponse"/>
</wsdl:message>
```

3.1.4.85.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetExportData	Contains the body for the request of the ExecuteSPGetExportData WSDL operation.
ExecuteSPGetExportDataResponse	Contains the body for the response of the ExecuteSPGetExportData WSDL operation.

3.1.4.85.2.1 ExecuteSPGetExportData

This element contains the body of the ApiRemotingSoap_ExecuteSPGetExportData Input Message WSDL message defined in section 3.1.4.85.1.1. The format is defined in section 3.1.4.85.3.4.

```
<xsd:element name="ExecuteSPGetExportData" nillable="true"
type="q1:ExecuteSPGetExportDataRequestBody"/>
```

3.1.4.85.2.2 ExecuteSPGetExportDataResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetExportData Output Message WSDL message defined in section 3.1.4.85.1.2. The format is defined in section 3.1.4.85.3.5.

```
<xsd:element name="ExecuteSPGetExportDataResponse" nillable="true"
type="tns:ExecuteSPGetExportDataResponseBody"/>
```

3.1.4.85.3 Complex Types

This operation includes the following complex types.

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Complex type	Description
ArrayOfExportFileData	Contains an array of Export file data.
ArrayOfExportUpdateListItem	Contains an array of export update list items.
ArrayOfServerSyncLanguageData	Contains an array of server sync language data.
ExecuteSPGetExportDataRequestBody	Contains the criteria for obtaining the list of updates to export.
ExecuteSPGetExportDataResponseBody	Contains details for the updates to export.
ExportData	Contains details about the export data.
ExportFileData	Contains files required for all updates.
ExportUpdateListItem	Contains the list of updates to include in the package.

3.1.4.85.3.1 ArrayOfExportFileData

Contains an array of Export file data.

```
<xsd:complexType name="ArrayOfExportFileData">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="ExportFileData" nillable="true"
type="tns:ExportFileData"/>
  </xsd:sequence>
</xsd:complexType>
```

ExportFileData: This field MUST be present. It contains the name, digest, decryption key, and URL path for the updates.

3.1.4.85.3.2 ArrayOfExportUpdateListItem

Contains an array of export update list items.

```
<xsd:complexType name="ArrayOfExportUpdateListItem">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="ExportUpdateListItem"
nillable="true" type="tns:ExportUpdateListItem"/>
  </xsd:sequence>
</xsd:complexType>
```

ExportUpdateListItem: This field MUST be present. It contains details about the list of updates to include in the pacakage.

3.1.4.85.3.3 ArrayOfServerSyncLanguageData

Contains an array of server sync language data.

```
<xsd:complexType name="ArrayOfServerSyncLanguageData">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="ServerSyncLanguageData"
nillable="true" type="tns:ServerSyncLanguageData"/>
  </xsd:sequence>
</xsd:complexType>
```


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ServerSyncLanguageData: This field MUST be present. It contains language data.

3.1.4.85.3.4 ExecuteSPGetExportDataRequestBody

Contains the criteria for obtaining the list of updates to export. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPGetExportDataRequestBody"/>
```

3.1.4.85.3.5 ExecuteSPGetExportDataResponseBody

Contains details for the updates to export.

```
<xsd:complexType name="ExecuteSPGetExportDataResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetExportDataResult"
nillable="true" type="tns:ExportData"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetExportDataResult: This field MUST be present. It returns the list of updates that contain the Server ID, the list of updates to export, and the list of required files.

3.1.4.85.3.6 ExportData

Contains details about the export data.

```
<xsd:complexType name="ExportData">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="ServerId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Updates" nillable="true"
type="tns:ArrayOfExportUpdateListItem"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Files" nillable="true"
type="tns:ArrayOfExportFileData"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Languages" nillable="true"
type="tns:ArrayOfServerSyncLanguageData"/>
  </xsd:sequence>
</xsd:complexType>
```

ServerId: This field MUST be present. It contains the id of the export server.

Updates: This field MUST be present. It contains the list of updates to include in the package.

Files: This field MUST be present. It contains files required for all updates.

Languages: This field MUST be present. It contains the language required for all updates.

3.1.4.85.3.7 ExportFileData

Contains files required for all updates.

```
<xsd:complexType name="ExportFileData">
  <xsd:sequence>
```


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```
    <xsd:element minOccurs="0" maxOccurs="1" name="Digest" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Name" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ContentPath" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="MUUrl" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="DecryptionKey" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

Digest: This field MUST be present. It contains the file digest.

Name: This field MUST be present. It specifies the file name.

ContentPath: This field MUST be present. It contains the file content path on the export machine.

MUUrl: This field MUST be present. It contains the Microsoft Update (MU) URL for the file.

DecryptionKey: If the file is encrypted, this field MUST be present. It contains the decryption data required by client machines to successfully install encrypted files.

3.1.4.85.3.8 ExportUpdateListItem

Contains the list of updates to include in the package.

```
<xsd:complexType name="ExportUpdateListItem">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="UpdateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="RevisionNumber" type="xsd:int"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="RevisionId" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

UpdateId: This field MUST be present. It contains the update ID.

RevisionNumber: This field MUST be present. It contains the update revision number.

RevisionId: This field MUST be present. It contains the update revision ID.

3.1.4.86 ExecuteSPGetExportUpdateData

The ExecuteSPGetExportUpdateData WSDL operation retrieves the data for a single update for an export package.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetExportUpdateData">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetExportUpdateDataRequest"
name="ApiRemotingSoap ExecuteSPGetExportUpdateData InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetExportUpdateData_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetExportUpdateDataResponse"
name="ApiRemotingSoap ExecuteSPGetExportUpdateData OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetExportUpdateData_OutputMessage"/>
```


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```
</wsdl:operation>
```

3.1.4.86.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetExportUpdateData_InputMessage	A WSDL message containing the request for the ExecuteSPGetExportUpdateData **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetExportUpdateData_OutputMessage	A WSDL message containing the response for the ExecuteSPGetExportUpdateData WSDL operation.

3.1.4.86.1.1 ApiRemotingSoap_ExecuteSPGetExportUpdateData Input Message

The ApiRemotingSoap_ExecuteSPGetExportUpdateData_InputMessage **WSDL message** contains the request for the ExecuteSPGetExportUpdateData **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetExportUpdateDataRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetExportUpdateData_InputMessage">
  <wsdl:part name="ExecuteSPGetExportUpdateData" element="tns:ExecuteSPGetExportUpdateData"/>
</wsdl:message>
```

3.1.4.86.1.2 ApiRemotingSoap_ExecuteSPGetExportUpdateData Output Message

The ApiRemotingSoap_ExecuteSPGetExportUpdateData_OutputMessage **WSDL message** contains the response for the ExecuteSPGetExportUpdateData **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetExportUpdateDataResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetExportUpdateData_OutputMessage">
  <wsdl:part name="ExecuteSPGetExportUpdateDataResponse"
element="tns:ExecuteSPGetExportUpdateDataResponse"/>
</wsdl:message>
```

3.1.4.86.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetExportUpdateData	Contains the body for the request of the ExecuteSPGetExportUpdateData WSDL operation.
ExecuteSPGetExportUpdateDataResponse	Contains the body for the response of the ExecuteSPGetExportUpdateData WSDL operation.

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3.1.4.86.2.1 ExecuteSPGetExportUpdateData

This element contains the body of the ApiRemotingSoap_ExecuteSPGetExportUpdateData Input Message WSDL message defined in section 3.1.4.86.1.1. The format is defined in section 3.1.4.86.3.1.

```
<xsd:element name="ExecuteSPGetExportUpdateData" nillable="true"
type="tns:ExecuteSPGetExportUpdateDataRequestBody"/>
```

3.1.4.86.2.2 ExecuteSPGetExportUpdateDataResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetExportUpdateData Output Message WSDL message defined in section 3.1.4.86.1.2. The format is defined in section 3.1.4.86.3.2.

```
<xsd:element name="ExecuteSPGetExportUpdateDataResponse" nillable="true"
type="tns:ExecuteSPGetExportUpdateDataResponseBody"/>
```

3.1.4.86.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetExportUpdateDataRequestBody	Contains the request for the specified update data for the export package.
ExecuteSPGetExportUpdateDataResponseBody	Contains the specified update data for the export package.
ExportUpdateData	Contains the details of the update to export.

3.1.4.86.3.1 ExecuteSPGetExportUpdateDataRequestBody

Contains the request for the specified update data for the export package.

```
<xsd:complexType name="ExecuteSPGetExportUpdateData">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="revisionId" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

revisionId: This field MUST be present. It contains the revision ID of the specified update.

3.1.4.86.3.2 ExecuteSPGetExportUpdateDataResponseBody

Contains the specified update data for the export package.

```
<xsd:complexType name="ExecuteSPGetExportUpdateDataResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetExportUpdateDataResult"
nillable="true" type="tns:ExportUpdateData"/>
  </xsd:sequence>
</xsd:complexType>
```


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ExecuteSPGetExportUpdateDataResult: This field MUST be present. It contains the data of the specified update for the export package.

3.1.4.86.3.3 ExportUpdateData

Contains the details of the update to export.

```
<xsd:complexType name="ExportUpdateData">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="FileDigests" nillable="true"
type="tns:ArrayOfString"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Xml" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Title" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Classifications" nillable="true"
type="tns:ArrayOfGuid"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Categories" nillable="true"
type="tns:ArrayOfGuid"/>
  </xsd:sequence>
</xsd:complexType>
```

FileDigests: This field MUST be present. It contains the files required by the update.

Xml: This field MUST be present. It contains the update XML.

Title: This field MUST be present. It contains the update title.

Classifications: This field MUST be present. It contains the update classifications.

Categories: This field MUST be present. It contains the update categories.

3.1.4.87 GetSubscriptionState

The GetSubscriptionState WSDL operation gets the current state of the server subscription for a machine.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="GetSubscriptionState">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetSubscriptionStateRequest"
name="ApiRemotingSoap_GetSubscriptionState_InputMessage"
message="tns:ApiRemotingSoap GetSubscriptionState InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetSubscriptionStateResponse"
name="ApiRemotingSoap_GetSubscriptionState_OutputMessage"
message="tns:ApiRemotingSoap_GetSubscriptionState_OutputMessage"/>
</wsdl:operation>
```

3.1.4.87.1 Messages

This operation includes the following **WSDL** messages.

Message	Description
ApiRemotingSoap_GetSubscriptionState_InputMessage	A **WSDL message** containing the request for the GetSubscriptionState **WSDL operation**.

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Message	Description
ApiRemotingSoap_GetSubscriptionState_OutputMessage	A WSDL message containing the response for the GetSubscriptionState WSDL operation.

3.1.4.87.1.1 ApiRemotingSoap_GetSubscriptionState Input Message

The ApiRemotingSoap_GetSubscriptionState_InputMessage **WSDL message** contains the request for the GetSubscriptionState **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tSubscriptionStateRequest
<wsdl:message name="ApiRemotingSoap GetSubscriptionState InputMessage">
  <wsdl:part name="GetSubscriptionState" element="tns:GetSubscriptionState"/>
</wsdl:message>
```

3.1.4.87.1.2 ApiRemotingSoap_GetSubscriptionState Output Message

The ApiRemotingSoap_GetSubscriptionState_OutputMessage WSDL message contains the response for the GetSubscriptionState **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tSubscriptionStateResponse
<wsdl:message name="ApiRemotingSoap_GetSubscriptionState_OutputMessage">
  <wsdl:part name="GetSubscriptionStateResponse" element="tns:GetSubscriptionStateResponse"/>
</wsdl:message>
```

3.1.4.87.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
GetSubscriptionState	Contains the body for the request of the GetSubscriptionState WSDL operation.
GetSubscriptionStateResponse	Contains the body for the response of the GetSubscriptionState WSDL operation.

3.1.4.87.2.1 GetSubscriptionState

Contains the body for the request of the GetSubscriptionState WSDL operation. This element does not contain any data.

```
<xsd:element name="GetSubscriptionState" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.87.2.2 GetSubscriptionStateResponse

Contains the body for the response of the GetSubscriptionState WSDL operation.

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```
<xsd:element name="GetSubscriptionStateResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="GetSubscriptionStateResult"
type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetSubscriptionStateResult: This field MUST be present. It contains the subscription state for a particular server instance.

3.1.4.88 GetServerSyncProgress

The GetServerSyncProgress WSDL operation retrieves progress information about the server synchronization process and its upstream server.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="GetServerSyncProgress">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetServerSyncProgressRequest"
name="ApiRemotingSoap_GetServerSyncProgress_InputMessage"
message="tns:ApiRemotingSoap GetServerSyncProgress InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetServerSyncProgressResponse"
name="ApiRemotingSoap_GetServerSyncProgress_OutputMessage"
message="tns:ApiRemotingSoap_GetServerSyncProgress_OutputMessage"/>
</wsdl:operation>
```

3.1.4.88.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_GetServerSyncProgress_InputMessage	A WSDL message containing the request for the GetServerSyncProgress **WSDL operation**.
ApiRemotingSoap_GetServerSyncProgress_OutputMessage	A WSDL message containing the response for the GetServerSyncProgress WSDL operation.

3.1.4.88.1.1 ApiRemotingSoap_GetServerSyncProgress Input Message

The ApiRemotingSoap_GetServerSyncProgress_InputMessage **WSDL message** contains the request for the GetServerSyncProgress **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tServerSyncProgressRequest
<wsdl:message name="ApiRemotingSoap_GetServerSyncProgress_InputMessage">
  <wsdl:part name="GetServerSyncProgress" element="tns:GetServerSyncProgress"/>
</wsdl:message>
```


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3.1.4.88.1.2 ApiRemotingSoap_GetServerSyncProgress Output Message

The ApiRemotingSoap_GetServerSyncProgress_OutputMessage **WSDL message** contains the response for the GetServerSyncProgress **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tServerSyncProgressResponse
<wsdl:message name="ApiRemotingSoap_GetServerSyncProgress_OutputMessage">
  <wsdl:part name="GetServerSyncProgressResponse"
element="tns:GetServerSyncProgressResponse"/>
</wsdl:message>
```

3.1.4.88.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
GetServerSyncProgress	Contains the body for the request of the GetServerSyncProgress WSDL operation.
GetServerSyncProgressResponse	Contains the body for the response of the GetServerSyncProgress WSDL operation.

3.1.4.88.2.1 GetServerSyncProgress

This element contains the body of the ApiRemotingSoap_GetServerSyncProgress Input Message WSDL message defined in section 3.1.4.88.1.1. The format is defined in section 3.1.4.88.3.1.

```
<xsd:element name="GetServerSyncProgress" nillable="true"
type="q1:GetServerSyncProgressRequestBody"/>
```

3.1.4.88.2.2 GetServerSyncProgressResponse

This element contains the body of the ApiRemotingSoap_GetServerSyncProgress_OutputMessage WSDL message defined in section 3.1.4.88.1.2. The format is defined in section 3.1.4.88.3.2.

```
<xsd:element name="GetServerSyncProgressResponse" nillable="true"
type="tns:GetServerSyncProgressResponseBody"/>
```

3.1.4.88.3 Complex Types

This operation includes the following complex types.

Complex type	Description
GetServerSyncProgressRequestBody	Contains the search criteria.
GetServerSyncProgressResponseBody	Contains the subscription update and deployment insertion progress data for the specified search criteria.

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3.1.4.88.3.1 GetServerSyncProgressRequestBody

Contains the search criteria. This complex type does not contain any data.

```
<xsd:complexType name="GetServerSyncProgressRequestBody"/>
```

3.1.4.88.3.2 GetServerSyncProgressResponseBody

Contains the subscription update and deployment insertion progress data for the specified search criteria.

```
<xsd:complexType name="GetServerSyncProgressResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="GetServerSyncProgressResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

GetServerSyncProgressResult: This field MUST be present. It contains the progress of the deployment insertion and update of the data. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as follows.

Index	Name	Type	Description
0	Phase	Integer	Defines the current phase of the synchronization. It MUST be set to one of the following values. ▪ NotProcessing (0); no synchronization is in progress. ▪ Updates (1); the synchronization is processing updates. ▪ Approvals (2); the synchronization is processing update deployments. ▪ Categories (3); the synchronization is processing update categories and classifications.
1	TotalItems	Integer	Denotes the total number of items that are currently being synchronized.
2	ProcessedItems	Integer	Denotes the number of items that have already been synchronized during this synchronization phase.

3.1.4.89 StartSubscriptionManually

The StartSubscriptionManually WSDL operation manually starts a subscription.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="StartSubscriptionManually">
```


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```
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/StartSubscriptionManuallyRequest"
name="ApiRemotingSoap_StartSubscriptionManually_InputMessage"
message="tns:ApiRemotingSoap_StartSubscriptionManually_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/StartSubscriptionManuallyResponse"
name="ApiRemotingSoap_StartSubscriptionManually_OutputMessage"
message="tns:ApiRemotingSoap_StartSubscriptionManually_OutputMessage"/>
</wsdl:operation>
```

3.1.4.89.1 Messages

This operation includes the following WSDL messages.

Message	Description
ApiRemotingSoap_StartSubscriptionManually_InputMessage	A **WSDL message** containing the request for the StartSubscriptionManually **WSDL operation**.
ApiRemotingSoap_StartSubscriptionManually_OutputMessage	A WSDL message containing the response for the StartSubscriptionManually WSDL operation.

3.1.4.89.1.1 ApiRemotingSoap_StartSubscriptionManually Input Message

The ApiRemotingSoap_StartSubscriptionManually_InputMessage **WSDL message** contains the request for the StartSubscriptionManually **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/St
artSubscriptionManuallyRequest
<wsdl:message name="ApiRemotingSoap_StartSubscriptionManually_InputMessage">
  <wsdl:part name="StartSubscriptionManually" element="tns:StartSubscriptionManually"/>
</wsdl:message>
```

3.1.4.89.1.2 ApiRemotingSoap_StartSubscriptionManually Output Message

The ApiRemotingSoap_StartSubscriptionManually_OutputMessage **WSDL message** contains the response for the StartSubscriptionManually **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/St
artSubscriptionManuallyResponse
<wsdl:message name="ApiRemotingSoap StartSubscriptionManually OutputMessage">
  <wsdl:part name="StartSubscriptionManuallyResponse"
element="tns:StartSubscriptionManuallyResponse"/>
</wsdl:message>
```

3.1.4.89.2 Elements

This operation includes the following **WSDL** elements.

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Element	Description
StartSubscriptionManually	Contains the body for the request of the StartSubscriptionManually WSDL operation.
StartSubscriptionManuallyResponse	Contains the body for the response of the StartSubscriptionManually WSDL operation.

3.1.4.89.2.1 StartSubscriptionManually

Contains the body for the request of the StartSubscriptionManually WSDL operation. This element is used to manually start a subscription.

```
<xsd:element name="StartSubscriptionManually" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.89.2.2 StartSubscriptionManuallyResponse

Contains the body for the response of the StartSubscriptionManually WSDL operation. This element does not contain any data.

```
<xsd:element name="StartSubscriptionManuallyResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.90 StartSubscriptionManuallyForCategoryOnly

The StartSubscriptionManuallyForCategoryOnly WSDL operation manually starts a subscription for a category-only synchronization (referred to as a "mini-sync").

This operation is specified by the following WSDL.

```
<wsdl:operation name="StartSubscriptionManuallyForCategoryOnly">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/StartSubscriptionManuallyForCategoryOnlyRequest"
name="ApiRemotingSoap StartSubscriptionManuallyForCategoryOnly InputMessage"
message="tns:ApiRemotingSoap_StartSubscriptionManuallyForCategoryOnly_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/StartSubscriptionManuallyForCategoryOnlyResponse"
name="ApiRemotingSoap_StartSubscriptionManuallyForCategoryOnly_OutputMessage"
message="tns:ApiRemotingSoap StartSubscriptionManuallyForCategoryOnly OutputMessage"/>
</wsdl:operation>
```

3.1.4.90.1 Messages

This operation includes the following **WSDL** messages.

Message	Description
ApiRemotingSoap_StartSubscriptionManuallyForCategoryOnly_InputMessage	A **WSDL message** containing the request for the StartSubscriptionManuallyForCategory

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Message	Description
	Only **WSDL operation**.
ApiRemotingSoap_StartSubscriptionManuallyForCategoryOnly_OutputMessage	A WSDL message containing the response for the StartSubscriptionManuallyForCategoryOnly WSDL operation.

3.1.4.90.1.1 ApiRemotingSoap_StartSubscriptionManuallyForCategoryOnly Input Message

The ApiRemotingSoap_StartSubscriptionManuallyForCategoryOnly_InputMessage **WSDL message** contains the request for the StartSubscriptionManuallyForCategoryOnly **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/StartSubscriptionManuallyForCategoryOnlyRequest
<wsdl:message name="ApiRemotingSoap_StartSubscriptionManuallyForCategoryOnly_InputMessage">
  <wsdl:part name="StartSubscriptionManuallyForCategoryOnly"
element="tns:StartSubscriptionManuallyForCategoryOnly"/>
</wsdl:message>
```

3.1.4.90.1.2 ApiRemotingSoap_StartSubscriptionManuallyForCategoryOnly Output Message

The ApiRemotingSoap_StartSubscriptionManuallyForCategoryOnly_OutputMessage **WSDL message** contains the response for the StartSubscriptionManuallyForCategoryOnly **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/StartSubscriptionManuallyForCategoryOnlyResponse
<wsdl:message name="ApiRemotingSoap StartSubscriptionManuallyForCategoryOnly OutputMessage">
  <wsdl:part name="StartSubscriptionManuallyForCategoryOnlyResponse"
element="tns:StartSubscriptionManuallyForCategoryOnlyResponse"/>
</wsdl:message>
```

3.1.4.90.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
StartSubscriptionManuallyForCategoryOnly	Contains the body for the request of the StartSubscriptionManuallyForCategoryOnly WSDL operation.
StartSubscriptionManuallyForCategoryOnlyResponse	Contains the body for the response of the StartSubscriptionManuallyForCategoryOnly WSDL operation.

3.1.4.90.2.1 StartSubscriptionManuallyForCategoryOnly

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Contains the body for the request of the StartSubscriptionManuallyForCategoryOnly WSDL operation. This element is used to manually start a subscription for a category-only synchronization.

```
<xsd:element name="StartSubscriptionManuallyForCategoryOnly" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.90.2.2 StartSubscriptionManuallyForCategoryOnlyResponse

Contains the body for the response of the StartSubscriptionManuallyForCategoryOnly WSDL operation. This element does not contain any data.

```
<xsd:element name="StartSubscriptionManuallyForCategoryOnlyResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.91 StopSubscription

The StopSubscription WSDL operation is used to cancel a running subscription.

The operation is used to signal the database regarding the intention to cancel a running subscription. The subscription states that can be cancelled include "Working" and "Run Requested".

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="StopSubscription">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/StopSubscriptionRequest" name="ApiRemotingSoap StopSubscription InputMessage"
message="tns:ApiRemotingSoap_StopSubscription_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/StopSubscriptionResponse" name="ApiRemotingSoap StopSubscription OutputMessage"
message="tns:ApiRemotingSoap StopSubscription OutputMessage"/>
</wsdl:operation>
```

3.1.4.91.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_StopSubscription_InputMessage	A WSDL message containing the request for the StopSubscription **WSDL operation**.
ApiRemotingSoap_StopSubscription_OutputMessage	A WSDL message containing the response for the StopSubscription WSDL operation.

3.1.4.91.1.1 ApiRemotingSoap_StopSubscription Input Message

The ApiRemotingSoap_StopSubscription_InputMessage **WSDL message** contains the request for the StopSubscription **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/StopSubscriptionRequest
<wsdl:message name="ApiRemotingSoap_StopSubscription_InputMessage">
  <wsdl:part name="StopSubscription" element="tns:StopSubscription"/>
</wsdl:message>
```

3.1.4.91.1.2 ApiRemotingSoap_StopSubscription Output Message

The ApiRemotingSoap_StopSubscription_OutputMessage WSDL message contains the response for the StopSubscription WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/StopSubscriptionResponse
<wsdl:message name="ApiRemotingSoap_StopSubscription_OutputMessage">
  <wsdl:part name="StopSubscriptionResponse" element="tns:StopSubscriptionResponse"/>
</wsdl:message>
```

3.1.4.91.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
StopSubscription	Contains the body for the request of the StopSubscription WSDL operation.
StopSubscriptionResponse	Contains the body for the response of the StopSubscription WSDL operation.

3.1.4.91.2.1 StopSubscription

Contains the body for the request of the StopSubscription WSDL operation. This element does not contain any data.

```
<xsd:element name="StopSubscription" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.91.2.2 StopSubscriptionResponse

Contains the body for the response of the StopSubscription WSDL operation. This element does not contain any data.

```
<xsd:element name="StopSubscriptionResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.92 ImportUpdate

The **ImportUpdate** **WSDL operation** adds the metadata of an update to the database and returns the **revision ID** for that update on the respective WSUS server.

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This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ImportUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ImportUpdateRequest" name="ApiRemotingSoap ImportUpdate InputMessage"
message="tns:ApiRemotingSoap_ImportUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ImportUpdateResponse" name="ApiRemotingSoap ImportUpdate OutputMessage"
message="tns:ApiRemotingSoap ImportUpdate OutputMessage"/>
</wsdl:operation>
```

3.1.4.92.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ImportUpdate_InputMessage	A WSDL message containing the request for the **ImportUpdate** **WSDL operation**.
ApiRemotingSoap_ImportUpdate_OutputMessage	A WSDL message containing the response for the **ImportUpdate** WSDL operation.

3.1.4.92.1.1 ApiRemotingSoap_ImportUpdate Input Message

The **ApiRemotingSoap_ImportUpdate_InputMessage** **WSDL message** contains the request for the **ImportUpdate** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Im
portUpdateRequest
<wsdl:message name="ApiRemotingSoap_ImportUpdate_InputMessage">
  <wsdl:part name="ImportUpdate" element="tns:ImportUpdate"/>
</wsdl:message>
```

3.1.4.92.1.2 ApiRemotingSoap_ImportUpdate Output Message

The **ApiRemotingSoap_ImportUpdate_OutputMessage** **WSDL message** contains the response for the **ImportUpdate** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Im
portUpdateResponse
<wsdl:message name="ApiRemotingSoap_ImportUpdate_OutputMessage">
  <wsdl:part name="ImportUpdateResponse" element="tns:ImportUpdateResponse"/>
</wsdl:message>
```

3.1.4.92.2 Elements

This operation includes the following **WSDL** elements.

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Element	Description
ImportUpdate	Contains the request for the **ImportUpdate** **WSDL operation**.
ImportUpdateResponse	Contains the response for the **ImportUpdate** WSDL operation.

3.1.4.92.2.1 ImportUpdate

The ImportUpdate element describes the update to insert into the database. The format of the update is described in section 3.1.4.92.3.1.

```
<xsd:element name="ImportUpdate" nillable="true" type="tns:ImportUpdateRequestBody"/>
```

3.1.4.92.2.2 ImportUpdateResponse

The ImportUpdateResponse element contains the identifier for the update that was inserted into the database as part of the **ImportUpdate** WSDL operation. The format of the identifier is defined in section 3.1.4.92.3.2.

```
<xsd:element name="ImportUpdateResponse" nillable="true"
type="tns:ImportUpdateResponseBody"/>
```

3.1.4.92.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ImportUpdateRequestBody	Contains the update to be inserted into the WSUS database.
ImportUpdateResponseBody	Contains an identifier for the update that was inserted into the database as part of this request.

3.1.4.92.3.1 ImportUpdateRequestBody

Contains the update to insert into the WSUS database.

```
<xsd:complexType name="ImportUpdate">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="ussRevLocalId" type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="xmlUpdateBlob" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="xmlUpdateBlobCompressed" nillable="true"
type="xsd:base64Binary"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="xmlSdpBlob" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

ussRevLocalId: This field MUST be present. It describes the **revision ID** of the server from which the update is imported. The value of **ussRevLocalId** SHOULD be set as follows:

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- If the update is published locally (it is not distributed through **Microsoft Update**), the value SHOULD be set to 0.
- If the update was synchronized from Microsoft Update, the value SHOULD be set to -1.
- If the update is synchronized from a WSUS **upstream server**, **ussRevLocalId** SHOULD be set to a nonzero, positive value.
- In all cases, the value MUST NOT be less than -1, as this value range is reserved for future use.

xmlUpdateBlob: This field represents the metadata of the update that is imported into the database. If **xmlUpdateBlobCompressed** is not specified, **xmlUpdateBlob** MUST be present; otherwise, it is optional. If both fields are specified, **xmlUpdateBlob** takes precedence over **xmlUpdateBlobCompressed**.

xmlUpdateBlobCompressed: This field represents the update metadata compressed with the Cabinet File Compression. If **xmlUpdateBlob** is not specified, **xmlUpdateBlobCompressed** MUST be present; otherwise, **xmlUpdateBlobCompressed** is optional. If both fields are present, **xmlUpdateBlob** takes precedence over **xmlUpdateBlobCompressed**.

xmlSdpBlob: If present, this field represents additional XML metadata as part of a locally published SDP.

3.1.4.92.3.2 ImportUpdateResponseBody

Contains an identifier for the update that was inserted into the database as part of this request.

```
<xsd:complexType name="ImportUpdateResponse">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="localRevisionId" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

localRevisionId: This field MUST be present. It describes the revision ID of the update for the local update server.

3.1.4.93 ExecuteSPWakeUpResetAgent

The **ExecuteSPWakeUpResetAgent** **WSDL operation** wakes up the state machine reset agent to set all contents back to the original values and then reevaluate. This process verifies that all files are present and valid.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPWakeUpResetAgent">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPWakeUpResetAgentRequest"
name="ApiRemotingSoap ExecuteSPWakeUpResetAgent InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPWakeUpResetAgent_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPWakeUpResetAgentResponse"
name="ApiRemotingSoap_ExecuteSPWakeUpResetAgent_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPWakeUpResetAgent OutputMessage"/>
</wsdl:operation>
```


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3.1.4.93.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPWakeUpResetAgent_InputMessage	A WSDL message containing the request for the **ExecuteSPWakeUpResetAgent WSDL operation**.
ApiRemotingSoap_ExecuteSPWakeUpResetAgent_OutputMessage	A WSDL message containing the response for the **ExecuteSPWakeUpResetAgent** WSDL operation.

3.1.4.93.1.1 ApiRemotingSoap_ExecuteSPWakeUpResetAgent Input Message

The **piRemotingSoap_ExecuteSPWakeUpResetAgent_InputMessageWSDL** message contains the request for the **ExecuteSPWakeUpResetAgent WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPWakeUpResetAgentRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPWakeUpResetAgent_InputMessage">
  <wsdl:part name="ExecuteSPWakeUpResetAgent" element="tns:ExecuteSPWakeUpResetAgent"/>
</wsdl:message>
```

3.1.4.93.1.2 ApiRemotingSoap_ExecuteSPWakeUpResetAgent Output Message

The **piRemotingSoap_ExecuteSPWakeUpResetAgent_OutputMessageWSDL** message contains the response for the **ExecuteSPWakeUpResetAgent WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPWakeUpResetAgentResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPWakeUpResetAgent_OutputMessage">
  <wsdl:part name="ExecuteSPWakeUpResetAgentResponse"
element="tns:ExecuteSPWakeUpResetAgentResponse"/>
</wsdl:message>
```

3.1.4.93.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPWakeUpResetAgent	Contains the wakeup call request for the reset agent.
ExecuteSPWakeUpResetAgentResponse	This element does not contain any data.

3.1.4.93.2.1 ExecuteSPWakeUpResetAgent

This element contains the wakeup call request for the reset agent.

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```
<xsd:element name="ExecuteSPWakeUpResetAgent" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.93.2.2 ExecuteSPWakeUpResetAgentResponse

This element does not contain any data.

```
<xsd:element name="ExecuteSPWakeUpResetAgentResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.94 ExecuteSPWakeUpRollupAgent

This **ExecuteSPWakeUpRollupAgent** **WSDL operation** wakes up the rollup agent.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPWakeUpRollupAgent">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPWakeUpRollupAgentRequest"
name="ApiRemotingSoap_ExecuteSPWakeUpRollupAgent_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPWakeUpRollupAgent_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPWakeUpRollupAgentResponse"
name="ApiRemotingSoap_ExecuteSPWakeUpRollupAgent_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPWakeUpRollupAgent_OutputMessage"/>
</wsdl:operation>
```

3.1.4.94.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPWakeUpRollupAgent_InputMessage	A WSDL message containing the request for the **ExecuteSPWakeUpRollupAgent** **WSDL operation**.
ApiRemotingSoap_ExecuteSPWakeUpRollupAgent_OutputMessage	A WSDL message containing the response for the **ExecuteSPWakeUpRollupAgent** WSDL operation.

3.1.4.94.1.1 ApiRemotingSoap_ExecuteSPWakeUpRollupAgent Input Message

The **ApiRemotingSoap_ExecuteSPWakeUpRollupAgent_InputMessage** **WSDL message** contains the request for the **ExecuteSPWakeUpRollupAgent** **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPWakeUpRollupAgentRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPWakeUpRollupAgent_InputMessage">
  <wsdl:part name="ExecuteSPWakeUpRollupAgent" element="tns:ExecuteSPWakeUpRollupAgent"/>
</wsdl:message>
```

3.1.4.94.1.2 ApiRemotingSoap_ExecuteSPWakeUpRollupAgent Output Message

The **ApiRemotingSoap_ExecuteSPWakeUpRollupAgent_OutputMessage** **WSDL message** contains the response for the **ExecuteSPWakeUpRollupAgent** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPWakeUpRollupAgentResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPWakeUpRollupAgent_OutputMessage">
  <wsdl:part name="ExecuteSPWakeUpRollupAgentResponse"
element="tns:ExecuteSPWakeUpRollupAgentResponse"/>
</wsdl:message>
```

3.1.4.94.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPWakeUpRollupAgent	Contains the body for the request of the **ExecuteSPWakeUpRollupAgent** **WSDL operation**.
ExecuteSPWakeUpRollupAgentResponse	Contains the body for the response of the **ExecuteSPWakeUpRollupAgent** WSDL operation.

3.1.4.94.2.1 ExecuteSPWakeUpRollupAgent

This element contains the request for the rollup agent to start the rollup.

```
<xsd:element name="ExecuteSPWakeUpRollupAgent" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.94.2.2 ExecuteSPWakeUpRollupAgentResponse

This element does not contain any data.

```
<xsd:element name="ExecuteSPWakeUpRollupAgentResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.95 AddNewLanguage

The **AddNewLanguage** **WSDL operation** takes a list of new languages in XML and saves them to the database.

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This operation is specified by the following **WSDL**.

```
<wsdl:operation name="AddNewLanguage">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/AddNewLanguageRequest" name="ApiRemotingSoap AddNewLanguage InputMessage"
message="tns:ApiRemotingSoap_AddNewLanguage_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/AddNewLanguageResponse" name="ApiRemotingSoap AddNewLanguage OutputMessage"
message="tns:ApiRemotingSoap AddNewLanguage OutputMessage"/>
</wsdl:operation>
```

3.1.4.95.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_AddNewLanguage_InputMessage	A WSDL message containing the request for the **AddNewLanguage WSDL operation**.
ApiRemotingSoap_AddNewLanguage_OutputMessage	A WSDL message containing the response for the **AddNewLanguage** WSDL operation.

3.1.4.95.1.1 ApiRemotingSoap_AddNewLanguage Input Message

The **ApiRemotingSoap_AddNewLanguage_InputMessage WSDL message** contains the request for the **AddNewLanguage WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ad
dNewLanguageRequest
<wsdl:message name="ApiRemotingSoap_AddNewLanguage_InputMessage">
  <wsdl:part name="AddNewLanguage" element="tns:AddNewLanguage"/>
</wsdl:message>
```

3.1.4.95.1.2 ApiRemotingSoap_AddNewLanguage Output Message

The **ApiRemotingSoap_AddNewLanguage_OutputMessage WSDL message** contains the response for the **AddNewLanguage WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ad
dNewLanguageResponse
<wsdl:message name="ApiRemotingSoap_AddNewLanguage_OutputMessage">
  <wsdl:part name="AddNewLanguageResponse" element="tns:AddNewLanguageResponse"/>
</wsdl:message>
```

3.1.4.95.2 Elements

This operation includes the following **WSDL** elements.

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Element	Description
AddNewLanguage	Contains the body for the request of the **AddNewLanguage** **WSDL operation**.
AddNewLanguageResponse	Contains the body for the response of the **AddNewLanguage** WSDL operation.

3.1.4.95.2.1 AddNewLanguage

This element contains the body of the **ApiRemotingSoap_AddNewLanguage_InputMessage** **WSDL message** defined in section 3.1.4.95.1.1. The format is defined in section 3.1.4.95.3.1.

```
<xsd:element name="AddNewLanguage" nillable="true" type="tns:AddNewLanguageRequestBody"/>
```

3.1.4.95.2.2 AddNewLanguageResponse

This element contains the body of the **ApiRemotingSoap_AddNewLanguage_OutputMessage** **WSDL message** defined in section 3.1.4.95.1.2. The format is defined in section 3.1.4.95.3.2.

```
<xsd:element name="AddNewLanguageResponse" nillable="true"
type="tns:AddNewLanguageResponseBody"/>
```

3.1.4.95.3 Complex Types

This operation includes the following complex types.

Complex type	Description
AddNewLanguageRequestBody	Contains the criteria to obtain the new languages and saves them into the database.
AddNewLanguageResponseBody	Contains the result for the request criteria.

3.1.4.95.3.1 AddNewLanguageRequestBody

Contains the criteria to obtain the new languages and saves them into the database.

```
<xsd:complexType name="AddNewLanguageRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="newLanguage" nillable="true"
type="tns:ServerSyncLanguageData"/>
  </xsd:sequence>
</xsd:complexType>
```

newLanguage: This field MUST be present. It contains the new language to insert.

3.1.4.95.3.2 AddNewLanguageResponseBody

Contains the result for the request criteria.

```
<xsd:complexType name="AddNewLanguageResponse">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="AddNewLanguageResult" type="xsd:boolean"/>
```


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```
  </xsd:sequence>
</xsd:complexType>
```

AddNewLanguageResult: This field MUST be present. It contains the added language result.

3.1.4.96 ExecuteSPGetInstallableItems

The **ExecuteSPGetInstallableItems** **WSDL operation** retrieves the list of installable items that belong to an update.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetInstallableItems">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetInstallableItemsRequest"
name="ApiRemotingSoap_ExecuteSPGetInstallableItems_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetInstallableItems_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetInstallableItemsResponse"
name="ApiRemotingSoap ExecuteSPGetInstallableItems OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetInstallableItems_OutputMessage"/>
</wsdl:operation>
```

3.1.4.96.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetInstallableItems_InputMessage	A WSDL message containing the request for the **ExecuteSPGetInstallableItems** **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetInstallableItems_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetInstallableItems** WSDL operation.

3.1.4.96.1.1 ApiRemotingSoap_ExecuteSPGetInstallableItems Input Message

The **ApiRemotingSoap_ExecuteSPGetInstallableItems_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetInstallableItems** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetInstallableItemsRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetInstallableItems_InputMessage">
  <wsdl:part name="ExecuteSPGetInstallableItems" element="tns:ExecuteSPGetInstallableItems"/>
</wsdl:message>
```

3.1.4.96.1.2 ApiRemotingSoap_ExecuteSPGetInstallableItems Output Message

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The **ApiRemotingSoap_ExecuteSPGetInstallableItems_OutputMessage WSDL message** contains the response for the **ExecuteSPGetInstallableItems WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetInstallableItemsResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetInstallableItems_OutputMessage">
  <wsdl:part name="ExecuteSPGetInstallableItemsResponse"
element="tns:ExecuteSPGetInstallableItemsResponse"/>
</wsdl:message>
```

3.1.4.96.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetInstallableItems	Contains the body for the request of the **ExecuteSPGetInstallableItems WSDL operation**.
ExecuteSPGetInstallableItemsResponse	Contains the body for the response of the **ExecuteSPGetInstallableItems** WSDL operation.

3.1.4.96.2.1 ExecuteSPGetInstallableItems

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetInstallableItems_InputMessage WSDL message** defined in section 3.1.4.96.1.1. The format is defined in section 3.1.4.96.3.1.

```
<xsd:element name="ExecuteSPGetInstallableItems" nillable="true"
type="tns:ExecuteSPGetInstallableItemsRequestBody"/>
```

3.1.4.96.2.2 ExecuteSPGetInstallableItemsResponse

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetInstallableItems_OutputMessage WSDL message** defined in section 3.1.4.96.1.2. The format is defined in section 3.1.4.96.3.2.

```
<xsd:element name="ExecuteSPGetInstallableItemsResponse" nillable="true"
type="tns:ExecuteSPGetInstallableItemsResponseBody"/>
```

3.1.4.96.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetInstallableItemsRequestBody	Contains the criteria to obtain the list of installable items.
ExecuteSPGetInstallableItemsResponseBody	Contains the list of installable items for an update.

3.1.4.96.3.1 ExecuteSPGetInstallableItemsRequestBody

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Contains the criteria to obtain the list of installable items.

```
<xsd:complexType name="ExecuteSPGetInstallableItemsRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

id: This field MUST be present. It contains the update revision ID of the update for which to obtain the installable items.

3.1.4.96.3.2 ExecuteSPGetInstallableItemsResponseBody

Contains the list of installable items for an update.

```
<xsd:complexType name="ExecuteSPGetInstallableItemsResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetInstallableItemsResult"
nillable="true" type="tns:ArrayOfArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetInstallableItemsResult: This field MUST be present. It contains an ArrayOfGenericReadableRow (section 2.2.4.3). The first array contains a list of Installable items. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.12.1. The items in the array MUST contain the information shown in the following table.

Index	Name	Type	Description
0	Update ID	GUID	The GUID for the update. This value MUST NOT be NULL.
1	Revision Number	Integer	The revision number for the update. This value MUST NOT be NULL.
2	Revision ID	GUID	The GUID for the revision. This value MUST NOT be NULL.

The second array contains a list of languages that belong to the installable items of the first array as shown in the following table.

Index	Name	Type	Description
0	Revision ID	GUID	The GUID for the revision. This value MUST NOT be NULL.
1	Short language	String	The language for the update. This value MUST NOT be NULL.

The third array contains a list of files that belong to the Installable items of the first array, as shown in the following table.

Index	Name	Type	Description
0	RevisionID	GUID	The GUID for the revision. This value MUST NOT be NULL.
1	FileName	String	The name of the file for update. This value MUST NOT be NULL.
2	Modified	Datetime	The modified date time. This value MUST NOT be NULL.

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Index	Name	Type	Description
3	hostOnMu	String	Contains the host on the Microsoft Update (MU). This value MUST NOT be NULL.
4	MUURL	String	Contains the MU URL, This value MUST NOT be NULL.
5	Size	Integer	This field MUST be present. It contains the total size of the file in bytes.
6	PatchingType	Integer	This is an enumeration value that describes the type of the associated file. It MUST be one of the following values. ▪ None (0); no file type is specified. ▪ SelfContained (1); the specified file contains all of the necessary pieces in a single archive. ▪ Express (2); the specified file indicates the Express file update type. ▪ BinaryDelta (3); this file type is currently not supported.
7	IsEula	Boolean	This field MUST be present. If set, it indicates that the associated file contains an **End User License Agreement (EULA)**.
8	FileDigest	String	Contains a string representation of the SHA1 hash for the file.

3.1.4.97 ExecuteSPGetApprovedUpdateMetadata

The ExecuteSPGetApprovedUpdateMetadata WSDL operation returns update metadata for any updates that have been approved and that match any of the specified update classifications or update categories.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetApprovedUpdateMetadata">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetApprovedUpdateMetadataRequest"
name="ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetApprovedUpdateMetadata InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetApprovedUpdateMetadataResponse"
name="ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata_OutputMessage"/>
</wsdl:operation>
```

3.1.4.97.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata_InputMessage	A WSDL message containing the request for the **ExecuteSPGetApprovedUpdateMet**

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Message	Description
	adata **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetApprovedUpdateMetadata** WSDL operation.

3.1.4.97.1.1 ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata Input Message

The **ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetApprovedUpdateMetadata** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetApprovedUpdateMetadataRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata_InputMessage">
  <wsdl:part name="ExecuteSPGetApprovedUpdateMetadata"
element="tns:ExecuteSPGetApprovedUpdateMetadata"/>
</wsdl:message>
```

3.1.4.97.1.2 ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata Output Message

The **ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata_InputMessage** **WSDL message** contains the response for the **ExecuteSPGetApprovedUpdateMetadata** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetApprovedUpdateMetadataResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata_OutputMessage">the
response for the Exec
  <wsdl:part name="ExecuteSPGetApprovedUpdateMetadataResponse"
element="tns:ExecuteSPGetApprovedUpdateMetadataResponse"/>
</wsdl:message>
```

3.1.4.97.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetApprovedUpdateMetadata	Contains the body for the request of the **ExecuteSPGetApprovedUpdateMetadata** **WSDL operation**.
ExecuteSPGetApprovedUpdateMetadataResponse	Contains the body for the response of the **ExecuteSPGetApprovedUpdateMetadata** WSDL operation.

3.1.4.97.2.1 ExecuteSPGetApprovedUpdateMetadata

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This element contains the body of the **ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata_InputMessage WSDL message** defined in section 3.1.4.97.1.1. The format is defined in section 3.1.4.97.3.1.

```
<xsd:element name="ExecuteSPGetApprovedUpdateMetadata" nillable="true"
type="tns:ExecuteSPGetApprovedUpdateMetadataRequestBody"/>
```

3.1.4.97.2.2 ExecuteSPGetApprovedUpdateMetadataResponse

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetApprovedUpdateMetadata_OutputMessage WSDL message** defined in section 3.1.4.97.1.2. The format is defined in section 3.1.4.97.3.2.

```
<xsd:element name="ExecuteSPGetApprovedUpdateMetadataResponse" nillable="true"
type="tns:ExecuteSPGetApprovedUpdateMetadataResponseBody"/>
```

3.1.4.97.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetApprovedUpdateMetadataRequestBody	Contains the query to obtain the list of update metadata.
ExecuteSPGetApprovedUpdateMetadataResponseBody	Contains the list of update metadata.

3.1.4.97.3.1 ExecuteSPGetApprovedUpdateMetadataRequestBody

Contains the query to obtain the list of update metadata.

```
<xsd:complexType name="ExecuteSPGetApprovedUpdateMetadataRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateCategoryIds" nillable="true"
type="tns:ArrayOfGuid"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateClassificationIds" nillable="true"
type="tns:ArrayOfGuid"/>
  </xsd:sequence>
</xsd:complexType>
```

updateCategoryIds: This field MUST be present. It contains the array of update category IDs.

updateClassificationIds: This field MUST be present. It contains the array of update classification IDs.

3.1.4.97.3.2 ExecuteSPGetApprovedUpdateMetadataResponseBody

Contains the list of update metadata.

```
<xsd:complexType name="ExecuteSPGetApprovedUpdateMetadataResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetApprovedUpdateMetadataResult"
nillable="true" type="tns:ArrayOfArrayOfGenericReadableRow"/>
```


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```
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetApprovedUpdateMetadataResult: This field MUST be present. It contains the list of update metadata for each approved update. The format is as shown in the following table.

Index	Name	Type	Description
0	Metadata	UpdateMetadataCollection (section 2.2.4.3.1.7)	Contains the metadata of all approved updates. The data type is defined in section 2.2.4.3.1.7.
1	Files	UpdateFileInfoCollection (section 2.2.4.3.1.6)	Contains information about files associated with approved updates.
2	Approvals	UpdateApprovalCollection (section 2.2.4.3.1.5)	Contains information about all approvals.
3	Cookie	UpdateCookieCollection	An array that contains exactly one piece of data that describes when the set of approvals was last changed. The format of the data is as follows: `<cookie Deployment="[integer]" FileLocation="[integer]" />` This data type is opaque for client protocol implementations. The server protocol implementation MUST provide a mechanism for how to manage these cookies.

3.1.4.98 ExecuteSPHasApprovalsChanged

The **ExecuteSPHasApprovalsChanged** **WSDL operation** returns TRUE or FALSE based on the changes made to the update approval by calling **ExecuteSPGetApprovedUpdateMetadata** as specified in section 3.1.4.97.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPHasApprovalsChanged">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPHasApprovalsChangedRequest"
name="ApiRemotingSoap_ExecuteSPHasApprovalsChanged_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPHasApprovalsChanged InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPHasApprovalsChangedResponse"
name="ApiRemotingSoap_ExecuteSPHasApprovalsChanged_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPHasApprovalsChanged OutputMessage"/>
</wsdl:operation>
```

3.1.4.98.1 Messages

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This operation includes the following **WSDL** messages.

Message	Description
ApiRemotingSoap_ExecuteSPHasApprovalsChanged_InputMessage	A **WSDL message** containing the request for the **ExecuteSPHasApprovalsChanged WSDL operation**.
ApiRemotingSoap_ExecuteSPHasApprovalsChanged_OutputMessage	A WSDL message containing the response for the **ExecuteSPHasApprovalsChanged** WSDL operation.

3.1.4.98.1.1 ApiRemotingSoap_ExecuteSPHasApprovalsChanged Input Message

The **ApiRemotingSoap_ExecuteSPHasApprovalsChanged_InputMessage WSDL message** contains the request for the **ExecuteSPHasApprovalsChanged WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPHasApprovalsChangedRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPHasApprovalsChanged_InputMessage">
  <wsdl:part name="ExecuteSPHasApprovalsChanged" element="tns:ExecuteSPHasApprovalsChanged"/>
</wsdl:message>
```

3.1.4.98.1.2 ApiRemotingSoap_ExecuteSPHasApprovalsChanged Output Message

The **ApiRemotingSoap_ExecuteSPHasApprovalsChanged_OutputMessage WSDL message** contains the response for the **ExecuteSPHasApprovalsChanged WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPHasApprovalsChangedResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPHasApprovalsChanged_OutputMessage">
  <wsdl:part name="ExecuteSPHasApprovalsChangedResponse"
element="tns:ExecuteSPHasApprovalsChangedResponse"/>
</wsdl:message>
```

3.1.4.98.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPHasApprovalsChanged	Contains the body for the request of the **ExecuteSPHasApprovalsChanged WSDL operation**.
ExecuteSPHasApprovalsChangedResponse	Contains the body for the response of the **ExecuteSPHasApprovalsChanged** WSDL operation.

3.1.4.98.2.1 ExecuteSPHasApprovalsChanged

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This element contains the body of the **ApiRemotingSoap_ExecuteSPHasApprovalsChanged_InputMessage** **WSDL message** defined in section 3.1.4.98.1.1. The format is defined in section 3.1.4.98.3.1.

```
<xsd:element name="ExecuteSPHasApprovalsChanged" nillable="true"
type="tns:ExecuteSPHasApprovalsChangedRequestBody"/>
```

3.1.4.98.2.2 ExecuteSPHasApprovalsChangedResponse

This element contains the body of **ApiRemotingSoap_ExecuteSPHasApprovalsChanged_OutputMessage** **WSDL message** defined in section 3.1.4.98.1.2. The format is defined in section 3.1.4.98.3.2.

```
<xsd:element name="ExecuteSPHasApprovalsChangedResponse" nillable="true"
type="tns:ExecuteSPHasApprovalsChangedResponseBody"/>
```

3.1.4.98.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPHasApprovalsChangedRequestBody	Contains the cookie obtained from the call to **ExecuteSPGetApprovedUpdateMetadata**.
ExecuteSPHasApprovalsChangedResponseBody	Indicates whether changes have been made to the update approvals.

3.1.4.98.3.1 ExecuteSPHasApprovalsChangedRequestBody

Contains the cookie obtained from the call to ExecuteSPGetApprovedUpdateMetadata.

```
<xsd:complexType name="ExecuteSPHasApprovalsChangedRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="cookie" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

cookie: This field MUST be present. This field represents the cookie obtained from the last call to ExecuteSPGetApprovedUpdateMetadata (section 3.1.4.97).

3.1.4.98.3.2 ExecuteSPHasApprovalsChangedResponseBody

Indicates whether changes have been made to the update approvals.

```
<xsd:complexType name="ExecuteSPHasApprovalsChangedResponse">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="ExecuteSPHasApprovalsChangedResult"
type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```


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ExecuteSPHasApprovalsChangedResult: This field MUST be present. It is a Boolean, where a value of TRUE indicates that changes have been made to the update approvals by making a call to ExecuteSPGetApprovedUpdateMetadata; otherwise, FALSE to indicate that there have not been changes since the last call to ExecuteSPGetApprovedUpdateMetadata.

3.1.4.99 ExecuteSPDeclineSupersededUpdates

The **ExecuteSPDeclineSupersededUpdates** **WSDL operation** declines updates that were superseded by another update.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPDeclineSupersededUpdates">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeclineSupersededUpdatesRequest"
name="ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeclineSupersededUpdatesResponse"
name="ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates_OutputMessage"/>
</wsdl:operation>
```

3.1.4.99.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates_InputMessage	A WSDL message containing the request for the **ExecuteSPDeclineSupersededUpdates** **WSDL operation**.
ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates_OutputMessage	A WSDL message containing the response for the **ExecuteSPDeclineSupersededUpdates** WSDL operation.

3.1.4.99.1.1 ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates Input Message

The **ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates_InputMessage** **WSDL message** contains the request for the **ExecuteSPDeclineSupersededUpdates** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeclineSupersededUpdatesRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPDeclineSupersededUpdates InputMessage">
  <wsdl:part name="ExecuteSPDeclineSupersededUpdates"
element="tns:ExecuteSPDeclineSupersededUpdates"/>
</wsdl:message>
```

3.1.4.99.1.2 ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates Output Message

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The **ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates_OutputMessage WSDL message** contains the response for the **ExecuteSPDeclineSupersededUpdates WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeclineSupersededUpdatesResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates_OutputMessage">
  <wsdl:part name="ExecuteSPDeclineSupersededUpdatesResponse"
element="tns:ExecuteSPDeclineSupersededUpdatesResponse"/>
</wsdl:message>
```

3.1.4.99.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPDeclineSupersededUpdates	Contains the body for the request of the **ExecuteSPDeclineSupersededUpdates WSDL operation**.
ExecuteSPDeclineSupersededUpdatesResponse	Contains the body for the response of the **ExecuteSPDeclineSupersededUpdates** WSDL operation.

3.1.4.99.2.1 ExecuteSPDeclineSupersededUpdates

This element contains the body of the **ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates_InputMessage WSDL message** defined in section 3.1.4.99.1.1. The format is defined in section 3.1.4.99.3.1.

```
<xsd:element name="ExecuteSPDeclineSupersededUpdates" nillable="true"
type="tns:ExecuteSPDeclineSupersededUpdatesRequestBody"/>
```

3.1.4.99.2.2 ExecuteSPDeclineSupersededUpdatesResponse

This element contains the body of the **ApiRemotingSoap_ExecuteSPDeclineSupersededUpdates_OutputMessage WSDL message** defined in section 3.1.4.99.1.2. The format is defined in section 3.1.4.99.3.2.

```
<xsd:element name="ExecuteSPDeclineSupersededUpdatesResponse" nillable="true"
type="tns:ExecuteSPDeclineSupersededUpdatesResponseBody"/>
```

3.1.4.99.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPDeclineSupersededUpdatesRequestBody	Contains the query to decline the superseded updates for the server.
ExecuteSPDeclineSupersededUpdatesResponseBody	Contains the response to the query.

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3.1.4.99.3.1 ExecuteSPDeclineSupersededUpdatesRequestBody

Contains the query to decline the superseded updates for the server.

```
<xsd:complexType name="ExecuteSPDeclineSupersededUpdatesRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="adminName" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

adminName: This field MUST be present. It contains the administrator name in the "domain\userName" format.

3.1.4.99.3.2 ExecuteSPDeclineSupersededUpdatesResponseBody

Contains the response to the query.

```
<xsd:complexType name="ExecuteSPDeclineSupersededUpdatesResponse">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="ExecuteSPDeclineSupersededUpdatesResult"
type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPDeclineSupersededUpdatesResult: This field MUST be present. It contains the number of updates that were declined.

3.1.4.100 ExecuteSPDeclineExpiredUpdates

The **ExecuteSPDeclineExpiredUpdates** **WSDL operation** declines the expired updates.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPDeclineExpiredUpdates">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeclineExpiredUpdatesRequest"
name="ApiRemotingSoap ExecuteSPDeclineExpiredUpdates InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeclineExpiredUpdates_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeclineExpiredUpdatesResponse"
name="ApiRemotingSoap_ExecuteSPDeclineExpiredUpdates_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPDeclineExpiredUpdates OutputMessage"/>
</wsdl:operation>
```

3.1.4.100.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPDeclineExpiredUpdates_InputMessage	A WSDL message containing the request for the **ExecuteSPDeclineExpiredUpdate**

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Message	Description
	s WSDL operation.
ApiRemotingSoap_ExecuteSPDeclineExpiredUpdates_OutputMessage	A WSDL message containing the response for the **ExecuteSPDeclineExpiredUpdates** WSDL operation.

3.1.4.100.1.1 ApiRemotingSoap_ExecuteSPDeclineExpiredUpdates Input Message

The **ApiRemotingSoap_ExecuteSPDeclineExpiredUpdates_InputMessage WSDL message** contains the request for the **ExecuteSPDeclineExpiredUpdates WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeclineExpiredUpdatesRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPDeclineExpiredUpdates InputMessage">
  <wsdl:part name="ExecuteSPDeclineExpiredUpdates"
element="tns:ExecuteSPDeclineExpiredUpdates"/>
</wsdl:message>
```

3.1.4.100.1.2 ApiRemotingSoap_ExecuteSPDeclineExpiredUpdates Output Message

The **ApiRemotingSoap_ExecuteSPDeclineExpiredUpdates_OutputMessage WSDL message** contains the response for the **ExecuteSPDeclineExpiredUpdates WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeclineExpiredUpdatesResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeclineExpiredUpdates_OutputMessage">
  <wsdl:part name="ExecuteSPDeclineExpiredUpdatesResponse"
element="tns:ExecuteSPDeclineExpiredUpdatesResponse"/>
</wsdl:message>
```

3.1.4.100.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPDeclineExpiredUpdates	Contains the body for the request of the **ExecuteSPDeclineExpiredUpdates WSDL operation**.
ExecuteSPDeclineExpiredUpdatesResponse	Contains the body for the response of the **ExecuteSPDeclineExpiredUpdates** WSDL operation.

3.1.4.100.2.1 ExecuteSPDeclineExpiredUpdates

This element contains the body of the **ApiRemotingSoap_ExecuteSPDeclineExpiredUpdates_InputMessage WSDL message** defined in section 3.1.4.100.1.1. The format is defined in section 3.1.4.100.3.1.

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```
<xsd:element name="ExecuteSPDeclineExpiredUpdates" nillable="true"
type="tns:ExecuteSPDeclineExpiredUpdatesRequestBody"/>
```

3.1.4.100.2.2 ExecuteSPDeclineExpiredUpdatesResponse

This element contains the body of the **ApiRemotingSoap_ExecuteSPDeclineExpiredUpdates_OutputMessage** **WSDL message** defined in section 3.1.4.100.1.2. The format is defined in section 3.1.4.100.3.2.

```
<xsd:element name="ExecuteSPDeclineExpiredUpdatesResponse" nillable="true"
type="tns:ExecuteSPDeclineExpiredUpdatesResponseBody"/>
```

3.1.4.100.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPDeclineExpiredUpdatesRequestBody	Contains the query for declining the expired updates for the server.
ExecuteSPDeclineExpiredUpdatesResponseBody	Contains the response to the query.

3.1.4.100.3.1 ExecuteSPDeclineExpiredUpdatesRequestBody

Contains the query for declining the expired updates for the server.

```
<xsd:complexType name="ExecuteSPDeclineExpiredUpdatesRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="adminName" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

adminName: This field MUST be present. It contains the name of the administrator who declined the expired update. The name SHOULD be in the <domain>\<username> format.

3.1.4.100.3.2 ExecuteSPDeclineExpiredUpdatesResponseBody

Contains the response to the query.

```
<xsd:complexType name="ExecuteSPDeclineExpiredUpdatesResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="ExecuteSPDeclineExpiredUpdatesResult"
type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPDeclineExpiredUpdatesResult: This field MUST be present. It contains the number of expired updates that were declined.

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3.1.4.101 ExecuteSPCountObsoleteUpdatesToCleanup

The **ExecuteSPCountObsoleteUpdatesToCleanup** **WSDL operation** obtains the number of outdated updates to clean up.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPCountObsoleteUpdatesToCleanup">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCountObsoleteUpdatesToCleanupRequest"
name="ApiRemotingSoap ExecuteSPCountObsoleteUpdatesToCleanup InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPCountObsoleteUpdatesToCleanup_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCountObsoleteUpdatesToCleanupResponse"
name="ApiRemotingSoap_ExecuteSPCountObsoleteUpdatesToCleanup_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPCountObsoleteUpdatesToCleanup OutputMessage"/>
</wsdl:operation>
```

3.1.4.101.1 Messages

This operation includes the following **WSDL** messages.

Message	Description
ApiRemotingSoap_ExecuteSPCountObsoleteUpdatesToCleanup_InputMessage	A **WSDL message** containing the request for the **ExecuteSPCountObsoleteUpdatesToCleanup** **WSDL operation**.
ApiRemotingSoap_ExecuteSPCountObsoleteUpdatesToCleanup_OutputMessage	A WSDL message containing the response for the **ExecuteSPCountObsoleteUpdatesToCleanup** WSDL operation.

3.1.4.101.1.1 ApiRemotingSoap_ExecuteSPCountObsoleteUpdatesToCleanup Input Message

The **ApiRemotingSoap_ExecuteSPCountObsoleteUpdatesToCleanup_InputMessage** **WSDL message** contains the request for the **ExecuteSPCountObsoleteUpdatesToCleanup** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCountObsoleteUpdatesToCleanupRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPCountObsoleteUpdatesToCleanup_InputMessage">
  <wsdl:part name="ExecuteSPCountObsoleteUpdatesToCleanup"
element="tns:ExecuteSPCountObsoleteUpdatesToCleanup"/>
</wsdl:message>
```

3.1.4.101.1.2 ApiRemotingSoap_ExecuteSPCountObsoleteUpdatesToCleanup Output Message

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The **ApiRemotingSoap_ExecuteSPCountObsoleteUpdatesToCleanup_OutputMessage WSDL message** contains the response for the **ExecuteSPCountObsoleteUpdatesToCleanup WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCountObsoleteUpdatesToCleanupResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPCountObsoleteUpdatesToCleanup_OutputMessage">
  <wsdl:part name="ExecuteSPCountObsoleteUpdatesToCleanupResponse"
element="tns:ExecuteSPCountObsoleteUpdatesToCleanupResponse"/>
</wsdl:message>
```

3.1.4.101.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPCountObsoleteUpdatesToCleanup	Contains the body for the request of the **ExecuteSPCountObsoleteUpdatesToCleanup WSDL operation**.
ExecuteSPCountObsoleteUpdatesToCleanupResponse	Contains the body for the response of the **ExecuteSPCountObsoleteUpdatesToCleanup** WSDL operation.

3.1.4.101.2.1 ExecuteSPCountObsoleteUpdatesToCleanup

Contains the body for the request of the ExecuteSPCountObsoleteUpdatesToCleanup **WSDL operation**. This element does not contain any data.

```
<xsd:element name="ExecuteSPCountObsoleteUpdatesToCleanup" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.101.2.2 ExecuteSPCountObsoleteUpdatesToCleanupResponse

Contains the body for the response of the ExecuteSPCountObsoleteUpdatesToCleanup **WSDL operation**.

```
<xsd:element name="ExecuteSPCountObsoleteUpdatesToCleanupResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1"
name="ExecuteSPCountObsoleteUpdatesToCleanupResult" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ExecuteSPCountObsoleteUpdatesToCleanupResult: This field MUST be present. It specifies the number of obsoleted updates to clean up.

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3.1.4.102 ExecuteSPGetObsoleteUpdatesToCleanup

The ExecuteSPGetObsoleteUpdatesToCleanup **WSDL operation** retrieves the obsolete updates to clean up.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetObsoleteUpdatesToCleanup">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetObsoleteUpdatesToCleanupRequest"
name="ApiRemotingSoap ExecuteSPGetObsoleteUpdatesToCleanup InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetObsoleteUpdatesToCleanup_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetObsoleteUpdatesToCleanupResponse"
name="ApiRemotingSoap_ExecuteSPGetObsoleteUpdatesToCleanup_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetObsoleteUpdatesToCleanup OutputMessage"/>
</wsdl:operation>
```

3.1.4.102.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetObsoleteUpdatesToCleanup_InputMessage	A WSDL message containing the request for the **ExecuteSPGetObsoleteUpdatesToCleanup WSDL operation**.
ApiRemotingSoap_ExecuteSPGetObsoleteUpdatesToCleanup_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetObsoleteUpdatesToCleanup** WSDL operation.

3.1.4.102.1.1 ApiRemotingSoap_ExecuteSPGetObsoleteUpdatesToCleanup Input Message

The **ApiRemotingSoap_ExecuteSPGetObsoleteUpdatesToCleanup_InputMessage WSDL message** contains the request for the **ExecuteSPGetObsoleteUpdatesToCleanup WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetObsoleteUpdatesToCleanupRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetObsoleteUpdatesToCleanup_InputMessage">
  <wsdl:part name="ExecuteSPGetObsoleteUpdatesToCleanup"
element="tns:ExecuteSPGetObsoleteUpdatesToCleanup"/>
</wsdl:message>
```

3.1.4.102.1.2 ApiRemotingSoap_ExecuteSPGetObsoleteUpdatesToCleanup Output Message

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The **ApiRemotingSoap_ExecuteSPGetObsoleteUpdatesToCleanup_OutputMessage WSDL message** contains the response for the **ExecuteSPGetObsoleteUpdatesToCleanup WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetObsoleteUpdatesToCleanupResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetObsoleteUpdatesToCleanup_OutputMessage">
  <wsdl:part name="ExecuteSPGetObsoleteUpdatesToCleanupResponse"
element="tns:ExecuteSPGetObsoleteUpdatesToCleanupResponse"/>
</wsdl:message>
```

3.1.4.102.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetObsoleteUpdatesToCleanup	Contains the body for the request of the ExecuteSPGetObsoleteUpdatesToCleanup **WSDL operation**.
ExecuteSPGetObsoleteUpdatesToCleanupResponse	Contains the body for the response of the ExecuteSPGetObsoleteUpdatesToCleanup WSDL operation.

3.1.4.102.2.1 ExecuteSPGetObsoleteUpdatesToCleanup

This element contains the body of the ApiRemotingSoap_ExecuteSPGetObsoleteUpdatesToCleanup_InputMessage **WSDL message** defined in section 3.1.4.102.1.1. The format is defined in section 3.1.4.102.3.1.

```
<xsd:element name="ExecuteSPGetObsoleteUpdatesToCleanup" nillable="true"
type="q1:ExecuteSPGetObsoleteUpdatesToCleanupRequestBody"/>
```

3.1.4.102.2.2 ExecuteSPGetObsoleteUpdatesToCleanupResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetObsoleteUpdatesToCleanup_OutputMessage **WSDL message** defined in section 3.1.4.102.1.2. The format is defined in section 3.1.4.102.3.2.

```
<xsd:element name="ExecuteSPGetObsoleteUpdatesToCleanupResponse" nillable="true"
type="tns:ExecuteSPGetObsoleteUpdatesToCleanupResponseBody"/>
```

3.1.4.102.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetObsoleteUpdatesToCleanupRequestBody	Contains the search criteria to obtain the obsolete updates.

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Complex type	Description
ExecuteSPGetObsoleteUpdatesToCleanupResponseBody	Contains the retrieved obsolete updates.

3.1.4.102.3.1 ExecuteSPGetObsoleteUpdatesToCleanupRequestBody

Contains the search criteria to obtain the details about the obsolete updates. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPGetObsoleteUpdatesToCleanupRequestBody"/>
```

3.1.4.102.3.2 ExecuteSPGetObsoleteUpdatesToCleanupResponseBody

Contains the retrieved data about the obsolete updates.

```
<xsd:complexType name="ExecuteSPGetObsoleteUpdatesToCleanupResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetObsoleteUpdatesToCleanupResult" nillable="true" type="tns:ArrayOfInt"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetObsoleteUpdatesToCleanupResult: This field MUST be present. It contains an array of update IDs for the obsolete updates to clean up.

3.1.4.103 ExecuteSPCountUpdatesToCompress

The ExecuteSPCountUpdatesToCompress **WSDL operation** obtains the number of updates to compress.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPCountUpdatesToCompress">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCountUpdatesToCompressRequest"
name="ApiRemotingSoap ExecuteSPCountUpdatesToCompress InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPCountUpdatesToCompress_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCountUpdatesToCompressResponse"
name="ApiRemotingSoap ExecuteSPCountUpdatesToCompress OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPCountUpdatesToCompress_OutputMessage"/>
</wsdl:operation>
```

3.1.4.103.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPCountUpdatesToCompress_InputMessage	A WSDL message containing the request for the **ExecuteSPCountUpdatesToCompr**

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Message	Description
	ess WSDL operation.
ApiRemotingSoap_ExecuteSPCountUpdatesToCompress_OutputMessage	A WSDL message containing the response for the **ExecuteSPCountUpdatesToCompress** WSDL operation.

3.1.4.103.1.1 ApiRemotingSoap_ExecuteSPCountUpdatesToCompress Input Message

The **ApiRemotingSoap_ExecuteSPCountUpdatesToCompress_InputMessage WSDL message** contains the request for the **ExecuteSPCountUpdatesToCompress WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCountUpdatesToCompressRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPCountUpdatesToCompress InputMessage">
  <wsdl:part name="ExecuteSPCountUpdatesToCompress"
element="tns:ExecuteSPCountUpdatesToCompress"/>
</wsdl:message>
```

3.1.4.103.1.2 ApiRemotingSoap_ExecuteSPCountUpdatesToCompress Output Message

The **ApiRemotingSoap_ExecuteSPCountUpdatesToCompress_OutputMessage WSDL message** contains the response for the **ExecuteSPCountUpdatesToCompress WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCountUpdatesToCompressResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPCountUpdatesToCompress_OutputMessage">
  <wsdl:part name="ExecuteSPCountUpdatesToCompressResponse"
element="tns:ExecuteSPCountUpdatesToCompressResponse"/>
</wsdl:message>
```

3.1.4.103.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPCountUpdatesToCompress	Contains the body for the request of the ExecuteSPCountUpdatesToCompress **WSDL operation**.
ExecuteSPCountUpdatesToCompressResponse	Contains the body for the response of the ExecuteSPCountUpdatesToCompress WSDL operation.

3.1.4.103.2.1 ExecuteSPCountUpdatesToCompress

Contains the body for the request of the ExecuteSPCountUpdatesToCompress **WSDL operation**. This element does not contain any data.

```
<xsd:element name="ExecuteSPCountUpdatesToCompress" nillable="true">
```


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```
  <xsd:complexType/>
</xsd:element>
```

3.1.4.103.2.2 ExecuteSPCountUpdatesToCompressResponse

Contains the body for the response of the ExecuteSPCountUpdatesToCompress **WSDL operation**.

```
<xsd:element name="ExecuteSPCountUpdatesToCompressResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="ExecuteSPCountUpdatesToCompressResult"
type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ExecuteSPCountUpdatesToCompressResult: This field MUST be present. It specifies the number of updates to compress.

3.1.4.104 ExecuteSPGetUpdatesToCompress

The ExecuteSPGetUpdatesToCompress **WSDL operation** retrieves the list of updates to compress.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetUpdatesToCompress">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesToCompressRequest"
name="ApiRemotingSoap_ExecuteSPGetUpdatesToCompress_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesToCompress_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesToCompressResponse"
name="ApiRemotingSoap ExecuteSPGetUpdatesToCompress OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesToCompress_OutputMessage"/>
</wsdl:operation>
```

3.1.4.104.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdatesToCompress_InputMessage	A WSDL message containing the request for the **ExecuteSPGetUpdatesToCompress WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdatesToCompress_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetUpdatesToCompress** WSDL operation.

3.1.4.104.1.1 ApiRemotingSoap_ExecuteSPGetUpdatesToCompress Input Message

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The **ApiRemotingSoap_ExecuteSPGetUpdatesToCompress_InputMessage WSDL message** contains the request for the **ExecuteSPGetUpdatesToCompress WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesToCompressRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesToCompress_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesToCompress"
element="tns:ExecuteSPGetUpdatesToCompress"/>
</wsdl:message>
```

3.1.4.104.1.2 ApiRemotingSoap_ExecuteSPGetUpdatesToCompress Output Message

The **ApiRemotingSoap_ExecuteSPGetUpdatesToCompress_OutputMessage WSDL message** contains the response for the **ExecuteSPGetUpdatesToCompress WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesToCompressResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesToCompress_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesToCompressResponse"
element="tns:ExecuteSPGetUpdatesToCompressResponse"/>
</wsdl:message>
```

3.1.4.104.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetUpdatesToCompress	Contains the request for the ExecuteSPGetUpdatesToCompress **WSDL operation**.
ExecuteSPGetUpdatesToCompressResponse	Contains the response for the ExecuteSPGetUpdatesToCompress WSDL operation.

3.1.4.104.2.1 ExecuteSPGetUpdatesToCompress

This element contains the request body for the ExecuteSPGetUpdatesToCompress **WSDL operation**. The format is defined in section 3.1.4.104.3.1.

```
<xsd:element name="ExecuteSPGetUpdatesToCompress" nillable="true"
type="q1:ExecuteSPGetUpdatesToCompressRequestBody"/>
```

3.1.4.104.2.2 ExecuteSPGetUpdatesToCompressResponse

This element contains the request body for the ExecuteSPGetUpdatesToCompress **WSDL operation**. The format is defined in section 3.1.4.104.3.2.

```
<xsd:element name="ExecuteSPGetUpdatesToCompressResponse" nillable="true"
type="tns:ExecuteSPGetUpdatesToCompressResponseBody"/>
```


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3.1.4.104.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdatesToCompressRequestBody	Contains the search criteria to obtain the list of updates to compress.
ExecuteSPGetUpdatesToCompressResponseBody	Contains a list of updates to compress.

3.1.4.104.3.1 ExecuteSPGetUpdatesToCompressRequestBody

Contains the search criteria to obtain the list of updates to compress. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPGetUpdatesToCompressRequestBody"/>
```

3.1.4.104.3.2 ExecuteSPGetUpdatesToCompressResponseBody

Contains a list of updates to compress.

```
<xsd:complexType name="ExecuteSPGetUpdatesToCompressResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetUpdatesToCompressResult"
nillable="true" type="tns:ArrayOfInt"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdatesToCompressResult: This field MUST be present. It contains an array of update IDs to compress. If there are no updates to compress, it returns NULL.

3.1.4.105 ExecuteSPCompressUpdate

The ExecuteSPCompressUpdate **WSDL operation** compresses the update.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPCompressUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCompressUpdateRequest"
name="ApiRemotingSoap ExecuteSPCompressUpdate InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPCompressUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCompressUpdateResponse"
name="ApiRemotingSoap_ExecuteSPCompressUpdate_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPCompressUpdate OutputMessage"/>
</wsdl:operation>
```

3.1.4.105.1 Messages

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This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPCompressUpdate_InputMessage	A WSDL message containing the request for the **ExecuteSPCompressUpdate WSDL operation**.
ApiRemotingSoap_ExecuteSPCompressUpdate_OutputMessage	A WSDL message containing the response for the **ExecuteSPCompressUpdate** WSDL operation.

3.1.4.105.1.1 ApiRemotingSoap_ExecuteSPCompressUpdate Input Message

The **ApiRemotingSoap_ExecuteSPCompressUpdate_InputMessage WSDL message** contains the request for the **ExecuteSPCompressUpdate WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCompressUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPCompressUpdate_InputMessage">
  <wsdl:part name="ExecuteSPCompressUpdate" element="tns:ExecuteSPCompressUpdate"/>
</wsdl:message>
```

3.1.4.105.1.2 ApiRemotingSoap_ExecuteSPCompressUpdate Output Message

The **ApiRemotingSoap_ExecuteSPCompressUpdate_OutputMessage WSDL message** contains the response for the **ExecuteSPCompressUpdate WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCompressUpdateResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPCompressUpdate OutputMessage">
  <wsdl:part name="ExecuteSPCompressUpdateResponse"
element="tns:ExecuteSPCompressUpdateResponse"/>
</wsdl:message>
```

3.1.4.105.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPCompressUpdate	Contains the body for the request of the ExecuteSPCompressUpdate **WSDL operation**.
ExecuteSPCompressUpdateResponse	Contains the body for the response of the ExecuteSPCompressUpdate WSDL operation.

3.1.4.105.2.1 ExecuteSPCompressUpdate

Contains the body for the request of the ExecuteSPCompressUpdate **WSDL operation**.

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```
<xsd:element name="ExecuteSPCompressUpdate" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="localUpdateID" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

localUpdateID: This field MUST be present. It identifies the updates to compress.

3.1.4.105.2.2ExecuteSPCompressUpdateResponse

Contains the body for the response of the ExecuteSPCompressUpdate **WSDL operation**. This element does not contain any data.

```
<xsd:element name="ExecuteSPCompressUpdateResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.106 ExecuteSPDeleteUpdateByUpdateID

The ExecuteSPDeleteUpdateByUpdateID **WSDL operation** deletes the specified update by using its update id.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPDeleteUpdateByUpdateID">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeleteUpdateByUpdateIDRequest"
name="ApiRemotingSoap_ExecuteSPDeleteUpdateByUpdateID_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeleteUpdateByUpdateID_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeleteUpdateByUpdateIDResponse"
name="ApiRemotingSoap_ExecuteSPDeleteUpdateByUpdateID_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeleteUpdateByUpdateID_OutputMessage"/>
</wsdl:operation>
```

3.1.4.106.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPDeleteUpdateByUpdateID_InputMessage	A WSDL message containing the request for the **ExecuteSPDeleteUpdateByUpdateID WSDL operation**.
ApiRemotingSoap_ExecuteSPDeleteUpdateByUpdateID_OutputMessage	A WSDL message containing the response for the **ExecuteSPDeleteUpdateByUpdateID** WSDL operation.

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3.1.4.106.1.1 ApiRemotingSoap_ExecuteSPDeleteUpdateByUpdateID Input Message

The **ApiRemotingSoap_ExecuteSPDeleteUpdateByUpdateID_InputMessage** **WSDL message** contains the request for the **ExecuteSPDeleteUpdateByUpdateID** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeleteUpdateByUpdateIDRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeleteUpdateByUpdateID_InputMessage">
  <wsdl:part name="ExecuteSPDeleteUpdateByUpdateID"
element="tns:ExecuteSPDeleteUpdateByUpdateID"/>
</wsdl:message>
```

3.1.4.106.1.2 ApiRemotingSoap_ExecuteSPDeleteUpdateByUpdateID Output Message

The **ApiRemotingSoap_ExecuteSPDeleteUpdateByUpdateID_OutputMessage** **WSDL message** contains the response for the **ExecuteSPDeleteUpdateByUpdateID** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeleteUpdateByUpdateIDResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeleteUpdateByUpdateID_OutputMessage">
  <wsdl:part name="ExecuteSPDeleteUpdateByUpdateIDResponse"
element="tns:ExecuteSPDeleteUpdateByUpdateIDResponse"/>
</wsdl:message>
```

3.1.4.106.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPDeleteUpdateByUpdateID	Contains the body for the request of the ExecuteSPDeleteUpdateByUpdateID **WSDL operation**.
ExecuteSPDeleteUpdateByUpdateIDResponse	Contains the body for the response of the ExecuteSPDeleteUpdateByUpdateID WSDL operation.

3.1.4.106.2.1 ExecuteSPDeleteUpdateByUpdateID

Contains the body for the request of the ExecuteSPDeleteUpdateByUpdateID **WSDL operation**.

```
<xsd:element name="ExecuteSPDeleteUpdateByUpdateID" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="updateID" nillable="true"
type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

updateID: This field MUST be present. It contains the **GUIDs** for the update to delete.

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3.1.4.106.2.2 ExecuteSPDeleteUpdateByUpdateIDResponse

Contains the body for the response of the ExecuteSPDeleteUpdateByUpdateID **WSDL operation**. This element does not contain any data.

```
<xsd:element name="ExecuteSPDeleteUpdateByUpdateIDResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.107 ExecuteSPDeleteUpdate

The ExecuteSPDeleteUpdate **WSDL operation** deletes an update that is identified by its revision ID.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPDeleteUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeleteUpdateRequest"
name="ApiRemotingSoap ExecuteSPDeleteUpdate InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPDeleteUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeleteUpdateResponse"
name="ApiRemotingSoap_ExecuteSPDeleteUpdate_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPDeleteUpdate OutputMessage"/>
</wsdl:operation>
```

3.1.4.107.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPDeleteUpdate_InputMessage	A WSDL message containing the request for the **ExecuteSPDeleteUpdate WSDL operation**.
ApiRemotingSoap_ExecuteSPDeleteUpdate_OutputMessage	A WSDL message containing the response for the **ExecuteSPDeleteUpdate** WSDL operation.

3.1.4.107.1.1 ApiRemotingSoap_ExecuteSPDeleteUpdate Input Message

The **ApiRemotingSoap_ExecuteSPDeleteUpdate_InputMessage WSDL message** contains the request for the **ExecuteSPDeleteUpdate WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeleteUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeleteUpdate_InputMessage">
  <wsdl:part name="ExecuteSPDeleteUpdate" element="tns:ExecuteSPDeleteUpdate"/>
</wsdl:message>
```


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3.1.4.107.1.2 ApiRemotingSoap_ExecuteSPDeleteUpdate Output Message

The **ApiRemotingSoap_ExecuteSPDeleteUpdate_OutputMessage** **WSDL message** contains the response for the **ExecuteSPDeleteUpdate** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeleteUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeleteUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPDeleteUpdateResponse"
element="tns:ExecuteSPDeleteUpdateResponse"/>
</wsdl:message>
```

3.1.4.107.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPDeleteUpdate	Contains the body for the request of the ExecuteSPDeleteUpdate **WSDL operation**.
ExecuteSPDeleteUpdateResponse	Contains the body for the response of the ExecuteSPDeleteUpdate WSDL operation.

3.1.4.107.2.1 ExecuteSPDeleteUpdate

Contains the body for the request of the ExecuteSPDeleteUpdate **WSDL operation**.

```
<xsd:element name="ExecuteSPDeleteUpdate" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="localUpdateID" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

localUpdateID: This field MUST be present. It contains the revision ID of the local update to delete.

3.1.4.107.2.2 ExecuteSPDeleteUpdateResponse

Contains the body for the response of the ExecuteSPDeleteUpdate **WSDL operation**. This element does not contain any data.

```
<xsd:element name="ExecuteSPDeleteUpdateResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.108 ExecuteSPCleanupObsoleteComputers

The ExecuteSPCleanupObsoleteComputers **WSDL operation** removes client computers from the database that have not reported back with the **downstream server** for a specified amount of time.

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This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPCleanupObsoleteComputers">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCleanupObsoleteComputersRequest"
name="ApiRemotingSoap_ExecuteSPCleanupObsoleteComputers_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPCleanupObsoleteComputers_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCleanupObsoleteComputersResponse"
name="ApiRemotingSoap ExecuteSPCleanupObsoleteComputers OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPCleanupObsoleteComputers_OutputMessage"/>
</wsdl:operation>
```

If a client computer does not contact the WSUS server within a specified threshold, the client is considered to be obsolete. The default threshold value SHOULD be 30 days. This threshold is a WSUS server configuration option. For more information, see the WSDL operation ExecuteSPSetConfiguration (section 3.1.4.126).

3.1.4.108.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPCleanupObsoleteComputers_InputMessage	A WSDL message containing the request for the **ExecuteSPCleanupObsoleteComputers WSDL operation**.
ApiRemotingSoap_ExecuteSPCleanupObsoleteComputers_OutputMessage	A WSDL message containing the response for the **ExecuteSPCleanupObsoleteComputers** WSDL operation.

3.1.4.108.1.1 ApiRemotingSoap_ExecuteSPCleanupObsoleteComputers Input Message

The **ApiRemotingSoap_ExecuteSPCleanupObsoleteComputers_InputMessage WSDL message** contains the request for the **ExecuteSPCleanupObsoleteComputers WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCleanupObsoleteComputersRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPCleanupObsoleteComputers InputMessage">
  <wsdl:part name="ExecuteSPCleanupObsoleteComputers"
element="tns:ExecuteSPCleanupObsoleteComputers"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.108.2.1.

3.1.4.108.1.2 ApiRemotingSoap_ExecuteSPCleanupObsoleteComputers Output Message

The **ApiRemotingSoap_ExecuteSPCleanupObsoleteComputers_OutputMessage WSDL message** contains the response for the **ExecuteSPCleanupObsoleteComputers WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCleanupObsoleteComputersResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPCleanupObsoleteComputers_OutputMessage">
  <wsdl:part name="ExecuteSPCleanupObsoleteComputersResponse"
element="tns:ExecuteSPCleanupObsoleteComputersResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.108.2.2.

3.1.4.108.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPCleanupObsoleteComputers	This element does not contain any data.
ExecuteSPCleanupObsoleteComputersResponse	Contains the number of computers that have been removed as part of this operation.

3.1.4.108.2.1 ExecuteSPCleanupObsoleteComputers

This element does not contain any data.

```
<xsd:element name="ExecuteSPCleanupObsoleteComputers" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.108.2.2 ExecuteSPCleanupObsoleteComputersResponse

Contains the number of computers that have been removed as part this operation.

```
<xsd:element name="ExecuteSPCleanupObsoleteComputersResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="ExecuteSPCleanupObsoleteComputersResult"
type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ExecuteSPCleanupObsoleteComputersResult: This field MUST be present. It contains the number of computers that have been removed as part of the operation.

3.1.4.109 ExecuteSPCleanupUnneededContentFiles2

The ExecuteSPCleanupUnneededContentFiles2 **WSDL operation** manages disk space by deleting update files that are no longer required.

This operation is specified by the following **WSDL**.

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```
<wsdl:operation name="ExecuteSPCleanupUnneededContentFiles2">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCleanupUnneededContentFiles2Request"
name="ApiRemotingSoap_ExecuteSPCleanupUnneededContentFiles2_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPCleanupUnneededContentFiles2 InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPCleanupUnneededContentFiles2Response"
name="ApiRemotingSoap_ExecuteSPCleanupUnneededContentFiles2_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPCleanupUnneededContentFiles2 OutputMessage"/>
</wsdl:operation>
```

3.1.4.109.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPCleanupUnneededContentFiles2_InputMessage	A WSDL message containing the request for the **ExecuteSPCleanupUnneededContentFiles2 WSDL operation**.
ApiRemotingSoap_ExecuteSPCleanupUnneededContentFiles2_OutputMessage	A WSDL message containing the response for the **ExecuteSPCleanupUnneededContentFiles2** WSDL operation.

3.1.4.109.1.1 ApiRemotingSoap_ExecuteSPCleanupUnneededContentFiles2 Input Message

The **ApiRemotingSoap_ExecuteSPCleanupUnneededContentFiles2_InputMessage WSDL message** contains the request for the **ExecuteSPCleanupUnneededContentFiles2 WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCleanupUnneededContentFiles2Request
<wsdl:message name="ApiRemotingSoap_ExecuteSPCleanupUnneededContentFiles2_InputMessage">
  <wsdl:part name="ExecuteSPCleanupUnneededContentFiles2"
element="tns:ExecuteSPCleanupUnneededContentFiles2"/>
</wsdl:message>
```

3.1.4.109.1.2 ApiRemotingSoap_ExecuteSPCleanupUnneededContentFiles2 Output Message

The **ApiRemotingSoap_ExecuteSPCleanupUnneededContentFiles2_OutputMessage WSDL message** contains the response for the **ExecuteSPCleanupUnneededContentFiles2 WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCleanupUnneededContentFiles2Response
<wsdl:message name="ApiRemotingSoap_ExecuteSPCleanupUnneededContentFiles2_OutputMessage">
```


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```
  <wsdl:part name="ExecuteSPCleanupUnneededContentFiles2Response"
element="tns:ExecuteSPCleanupUnneededContentFiles2Response"/>
</wsdl:message>
```

3.1.4.109.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPCleanupUnneededContentFiles2	Contains the body for the request of the ExecuteSPCleanupUnneededContentFiles2 **WSDL operation**.
ExecuteSPCleanupUnneededContentFiles2Response	Contains the body for the response of the ExecuteSPCleanupUnneededContentFiles2 WSDL operation.

3.1.4.109.2.1 ExecuteSPCleanupUnneededContentFiles2

This element contains the body of the ApiRemotingSoap_ExecuteSPCleanupUnneededContentFiles2_InputMessage **WSDL message** defined in section 3.1.4.109.1.1. The format is defined in section 3.1.4.109.3.1.

```
<xsd:element name="ExecuteSPCleanupUnneededContentFiles2" nillable="true"
type="tns:ExecuteSPCleanupUnneededContentFiles2RequestBody"/>
```

3.1.4.109.2.2 ExecuteSPCleanupUnneededContentFiles2Response

This element contains the body of ApiRemotingSoap_ExecuteSPCleanupUnneededContentFiles2_OutputMessage **WSDL message** defined in section 3.1.4.109.1.2. The format is defined in section 3.1.4.109.3.2.

```
<xsd:element name="ExecuteSPCleanupUnneededContentFiles2Response" nillable="true"
type="tns:ExecuteSPCleanupUnneededContentFiles2ResponseBody"/>
```

3.1.4.109.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPCleanupUnneededContentFiles2RequestBody	Specifies the name of the server that contains the update files that are no longer required.
ExecuteSPCleanupUnneededContentFiles2ResponseBody	Specifies the amount of disk space that was freed after removal of the update files.

3.1.4.109.3.1 ExecuteSPCleanupUnneededContentFiles2RequestBody

Specifies the name of the server that contains the update files that are no longer required.

```
<xsd:complexType name="ExecuteSPCleanupUnneededContentFiles2RequestBody">
```


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```
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateServerName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="cleanupLocalPublishedContentFiles"
type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

updateServerName: This field MUST be present. It contains the FQDN of the WSUS server.

cleanupLocalPublishedContentFiles: If present, this field is a Boolean value which when set to TRUE, indicates that the locally published update files are to be removed.

3.1.4.109.3.2ExecuteSPCleanupUnneededContentFiles2ResponseBody

Specifies the amount of disk space to be freed after removal of the update files.

```
<xsd:complexType name="ExecuteSPCleanupUnneededContentFiles2ResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1"
name="ExecuteSPCleanupUnneededContentFiles2Result" type="xsd:long"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPCleanupUnneededContentFiles2Result: This MUST be present. It specifies the amount of disk space, in bytes, that are freed after removal of the update files.

3.1.4.110 StopWSUSService

The StopWSUSService **WSDL operation** stops the WSUS service.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="StopWSUSService">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/StopWSUSServiceRequest" name="ApiRemotingSoap StopWSUSService InputMessage"
message="tns:ApiRemotingSoap_StopWSUSService_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/StopWSUSServiceResponse" name="ApiRemotingSoap StopWSUSService OutputMessage"
message="tns:ApiRemotingSoap StopWSUSService OutputMessage"/>
</wsdl:operation>
```

If the Update Service cannot be stopped, the server MUST send a **SOAP** fault as specified in section 3.1.4.1.

3.1.4.110.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_StopWSUSService_InputMessage	A WSDL message containing the request for the **StopWSUSService WSDL operation**.

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Message	Description
ApiRemotingSoap_StopWSUSService_OutputMessage	A WSDL message containing the response for the **StopWSUSService** WSDL operation.

3.1.4.110.1.1 ApiRemotingSoap_StopWSUSService Input Message

The **ApiRemotingSoap_StopWSUSService_InputMessage** **WSDL message** contains the request for the **StopWSUSService** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/St
opWSUSServiceRequest
<wsdl:message name="ApiRemotingSoap StopWSUSService InputMessage">
  <wsdl:part name="StopWSUSService" element="tns:StopWSUSService"/>
</wsdl:message>
```

3.1.4.110.1.2 ApiRemotingSoap_StopWSUSService Output Message

The **ApiRemotingSoap_StopWSUSService_OutputMessage** **WSDL message** contains the response for the **StopWSUSService** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/St
opWSUSServiceResponse
<wsdl:message name="ApiRemotingSoap_StopWSUSService_OutputMessage">
  <wsdl:part name="StopWSUSServiceResponse" element="tns:StopWSUSServiceResponse"/>
</wsdl:message>
```

3.1.4.110.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
StopWSUSService	Contains the request to stop the WSUS service.
StopWSUSServiceResponse	Contains the response for the stop criteria.

3.1.4.110.2.1 StopWSUSService

Contains the request to stop the WSUS service. This element does not contain any data.

```
<xsd:element name="StopWSUSService" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.110.2.2 StopWSUSServiceResponse

Contains the response for the stop criteria. This element does not contain any data.

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```
<xsd:element name="StopWSUSServiceResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.111 StartWSUSService

The StartWSUSService **WSDL operation** starts or restarts the WSUS service.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="StartWSUSService">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/StartWSUSServiceRequest" name="ApiRemotingSoap_StartWSUSService_InputMessage"
message="tns:ApiRemotingSoap StartWSUSService InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/StartWSUSServiceResponse" name="ApiRemotingSoap_StartWSUSService_OutputMessage"
message="tns:ApiRemotingSoap_StartWSUSService_OutputMessage"/>
</wsdl:operation>
```

If the Update Service cannot be started, the server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.111.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_StartWSUSService_InputMessage	A WSDL message containing the request for the **StartWSUSService WSDL operation**.
ApiRemotingSoap_StartWSUSService_OutputMessage	A WSDL message containing the response for the **StartWSUSService** WSDL operation.

3.1.4.111.1.1 ApiRemotingSoap_StartWSUSService Input Message

The **ApiRemotingSoap_StartWSUSService_InputMessage WSDL message** contains the request for the **StartWSUSService WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/St
artWSUSServiceRequest
<wsdl:message name="ApiRemotingSoap StartWSUSService InputMessage">
  <wsdl:part name="StartWSUSService" element="tns:StartWSUSService"/>
</wsdl:message>
```

3.1.4.111.1.2 ApiRemotingSoap_StartWSUSService Output Message

The **ApiRemotingSoap_StartWSUSService_OutputMessage WSDL message** contains the response for the **StartWSUSService WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/St
artWSUSServiceResponse
<wsdl:message name="ApiRemotingSoap_StartWSUSService_OutputMessage">
  <wsdl:part name="StartWSUSServiceResponse" element="tns:StartWSUSServiceResponse"/>
</wsdl:message>
```

3.1.4.111.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
StartWSUSService	Contains the request to start/restart the WSUS service.
StartWSUSServiceResponse	Contains the response for the start criteria.

3.1.4.111.2.1 StartWSUSService

Contains the request to start/restart the WSUS service. This element does not contain any data.

```
<xsd:element name="StartWSUSService" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.111.2.2 StartWSUSServiceResponse

Contains the response for the start criteria. This element does not contain any data.

```
<xsd:element name="StartWSUSServiceResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.112 GetServerVersion

The GetServerVersion WSDL operation obtains the version of the server (product).

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="GetServerVersion">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetServerVersionRequest" name="ApiRemotingSoap_GetServerVersion_InputMessage"
message="tns:ApiRemotingSoap GetServerVersion InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetServerVersionResponse" name="ApiRemotingSoap_GetServerVersion_OutputMessage"
message="tns:ApiRemotingSoap GetServerVersion OutputMessage"/>
</wsdl:operation>
```

3.1.4.112.1 Messages

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This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_GetServerVersion_InputMessage	A WSDL message containing the request for the **GetServerVersion WSDL operation**.
ApiRemotingSoap_GetServerVersion_OutputMessage	A WSDL message containing the response for the **GetServerVersion** WSDL operation.

3.1.4.112.1.1 ApiRemotingSoap_GetServerVersion Input Message

The **ApiRemotingSoap_GetServerVersion_InputMessage WSDL message** contains the request for the **GetServerVersion WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tServerVersionRequest
<wsdl:message name="ApiRemotingSoap_GetServerVersion_InputMessage">
  <wsdl:part name="GetServerVersion" element="tns:GetServerVersion"/>
</wsdl:message>
```

3.1.4.112.1.2 ApiRemotingSoap_GetServerVersion Output Message

The **ApiRemotingSoap_GetServerVersion_OutputMessage WSDL message** contains the response for the **GetServerVersion WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tServerVersionResponse
<wsdl:message name="ApiRemotingSoap GetServerVersion OutputMessage">
  <wsdl:part name="GetServerVersionResponse" element="tns:GetServerVersionResponse"/>
</wsdl:message>
```

3.1.4.112.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
GetServerVersion	Contains the body for the request of the GetServerVersion WSDL operation.
GetServerVersionResponse	Contains the body for the response of the GetServerVersion WSDL operation.

3.1.4.112.2.1 GetServerVersion

This element contains the body of the ApiRemotingSoap_GetServerVersion_InputMessage WSDL message defined in section 3.1.4.112.1.1. The format is defined in section 3.1.4.112.3.1.

```
<xsd:element name="GetServerVersion" nillable="true" type="q1:GetServerVersionRequestBody"/>
```

3.1.4.112.2.2 GetServerVersionResponse

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This element contains the body of the ApiRemotingSoap_GetServerVersion_OutputMessage WSDL message defined in section 3.1.4.112.1.2. The format is defined in section 3.1.4.112.3.2.

```
<xsd:element name="GetServerVersionResponse" nillable="true"
type="tns:GetServerVersionResponseBody"/>
```

3.1.4.112.3 Complex Types

This operation includes the following complex types.

Complex type	Description
GetServerVersionRequestBody	Contains the criteria to obtain the server (product) version.
GetServerVersionResponseBody	Specifies the server (product) version.

3.1.4.112.3.1 GetServerVersionRequestBody

Contains the criteria to obtain the server version. This complex type doesn't contain any data.

```
<xsd:complexType name="GetServerVersionRequestBody"/>
```

3.1.4.112.3.2 GetServerVersionResponseBody

Specifies the server (product) version.

```
<xsd:complexType name="GetServerVersionResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="GetServerVersionResult" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

GetServerVersionResult: This field MUST be present. It contains the server (product) version.

3.1.4.113 GetServerProtocolVersion

The GetServerProtocolVersion WSDL operation obtains the version of the server protocol.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="GetServerProtocolVersion">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetServerProtocolVersionRequest"
name="ApiRemotingSoap_GetServerProtocolVersion_InputMessage"
message="tns:ApiRemotingSoap_GetServerProtocolVersion_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetServerProtocolVersionResponse"
name="ApiRemotingSoap GetServerProtocolVersion OutputMessage"
message="tns:ApiRemotingSoap_GetServerProtocolVersion_OutputMessage"/>
</wsdl:operation>
```


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3.1.4.113.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_GetServerProtocolVersion_InputMessage	A WSDL message containing the request for the **GetServerProtocolVersion WSDL operation**.
ApiRemotingSoap_GetServerProtocolVersion_OutputMessage	A WSDL message containing the response for the **GetServerProtocolVersion** WSDL operation.

3.1.4.113.1.1 ApiRemotingSoap_GetServerProtocolVersion Input Message

The **ApiRemotingSoap_GetServerProtocolVersion_InputMessage WSDL message** contains the request for the **GetServerProtocolVersion WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tServerProtocolVersionRequest
<wsdl:message name="ApiRemotingSoap_GetServerProtocolVersion_InputMessage">
  <wsdl:part name="GetServerProtocolVersion" element="tns:GetServerProtocolVersion"/>
</wsdl:message>
```

3.1.4.113.1.2 ApiRemotingSoap_GetServerProtocolVersion Output Message

The **ApiRemotingSoap_GetServerProtocolVersion_OutputMessage WSDL message** contains the response for the **GetServerProtocolVersion WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tServerProtocolVersionResponse
<wsdl:message name="ApiRemotingSoap_GetServerProtocolVersion_OutputMessage">
  <wsdl:part name="GetServerProtocolVersionResponse"
element="tns:GetServerProtocolVersionResponse"/>
</wsdl:message>
```

3.1.4.113.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
GetServerProtocolVersion	Contains the body for the request of the GetServerProtocolVersion WSDL operation.
GetServerProtocolVersionResponse	Contains the body for the response of the GetServerProtocolVersion WSDL operation.

3.1.4.113.2.1 GetServerProtocolVersion

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This element contains the body of the ApiRemotingSoap_GetServerProtocolVersion_InputMessage WSDL message defined in section 3.1.4.113.1.1. The format is defined in section 3.1.4.113.3.1.

```
<xsd:element name="GetServerProtocolVersion" nillable="true"
type="q1:GetServerProtocolVersionRequestBody"/>
```

3.1.4.113.2.2 GetServerProtocolVersionResponse

This element contains the body of the ApiRemotingSoap_GetServerProtocolVersion_OutputMessage WSDL message defined in section 3.1.4.113.1.2. The format is defined in section 3.1.4.113.3.2.

```
<xsd:element name="GetServerProtocolVersionResponse" nillable="true"
type="tns:GetServerProtocolVersionResponseBody"/>
```

3.1.4.113.3 Complex Types

This operation includes the following complex types.

Complex type	Description
GetServerProtocolVersionRequestBody	Contains the criteria to obtain the server protocol version.
GetServerProtocolVersionResponseBody	Specifies the server protocol version.

3.1.4.113.3.1 GetServerProtocolVersionRequestBody

Contains the criteria to obtain the server protocol version. This complex type does not contain any data.

```
<xsd:complexType name="GetServerProtocolVersionRequestBody"/>
```

3.1.4.113.3.2 GetServerProtocolVersionResponseBody

Specifies the server protocol version.

```
<xsd:complexType name="GetServerProtocolVersionResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="GetServerProtocolVersionResult"
nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

GetServerProtocolVersionResult: This field MUST be present. It specifies the protocol version of the server.

3.1.4.114 GetDatabaseConfiguration

The GetDatabaseConfiguration WSDL operation gets the database configuration of the WSUS server.

This operation is specified by the following **WSDL**.

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```
<wsdl:operation name="GetDatabaseConfiguration">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetDatabaseConfigurationRequest"
name="ApiRemotingSoap GetDatabaseConfiguration InputMessage"
message="tns:ApiRemotingSoap_GetDatabaseConfiguration_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetDatabaseConfigurationResponse"
name="ApiRemotingSoap GetDatabaseConfiguration OutputMessage"
message="tns:ApiRemotingSoap_GetDatabaseConfiguration_OutputMessage"/>
</wsdl:operation>
```

3.1.4.114.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_GetDatabaseConfiguration_InputMessage	A WSDL message containing the request for the **GetDatabaseConfiguration WSDL operation**.
ApiRemotingSoap_GetDatabaseConfiguration_OutputMessage	A WSDL message containing the response for the **GetDatabaseConfiguration** WSDL operation.

3.1.4.114.1.1 ApiRemotingSoap_GetDatabaseConfiguration Input Message

The **ApiRemotingSoap_GetDatabaseConfiguration_InputMessage WSDL message** contains the request for the **GetDatabaseConfiguration WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tDatabaseConfigurationRequest
<wsdl:message name="ApiRemotingSoap_GetDatabaseConfiguration_InputMessage">
  <wsdl:part name="GetDatabaseConfiguration" element="tns:GetDatabaseConfiguration"/>
</wsdl:message>
```

3.1.4.114.1.2 ApiRemotingSoap_GetDatabaseConfiguration Output Message

The **ApiRemotingSoap_GetDatabaseConfiguration_OutputMessage WSDL message** contains the response for the **GetDatabaseConfiguration WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tDatabaseConfigurationResponse
<wsdl:message name="ApiRemotingSoap_GetDatabaseConfiguration_OutputMessage">
  <wsdl:part name="GetDatabaseConfigurationResponse"
element="tns:GetDatabaseConfigurationResponse"/>
</wsdl:message>
```

3.1.4.114.2 Elements

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This operation includes the following **WSDL** elements.

Element	Description
GetDatabaseConfiguration	Contains the body for the request of the GetDatabaseConfiguration WSDL operation.
GetDatabaseConfigurationResponse	Contains the body for the response of the GetDatabaseConfiguration WSDL operation.

3.1.4.114.2.1 GetDatabaseConfiguration

This element contains the body of the ApiRemotingSoap_GetDatabaseConfiguration_InputMessage WSDL message defined in section 3.1.4.114.1.1. The format is defined in section 3.1.4.114.3.1.

```
<xsd:element name="GetDatabaseConfiguration" nillable="true"
type="q1:GetDatabaseConfigurationRequestBody"/>
```

3.1.4.114.2.2 GetDatabaseConfigurationResponse

This element contains the body of the ApiRemotingSoap_GetDatabaseConfiguration_OutputMessage WSDL message defined in section 3.1.4.114.1.2. The format is defined in section 3.1.4.114.3.2.

```
<xsd:element name="GetDatabaseConfigurationResponse" nillable="true"
type="tns:GetDatabaseConfigurationResponseBody"/>
```

3.1.4.114.3 Complex Types

This operation includes the following complex types.

Complex type	Description
GetDatabaseConfigurationRequestBody	Contains the criteria to get the database configuration.
GetDatabaseConfigurationResponseBody	Contains a database instance for which to get the configuration.

3.1.4.114.3.1 GetDatabaseConfigurationRequestBody

Contains the criteria to get the database configuration. This complex type does not contain any data.

```
<xsd:complexType name="GetDatabaseConfigurationRequestBody"/>
```

3.1.4.114.3.2 GetDatabaseConfigurationResponseBody

Contains a database instance for which to get the configuration.

```
<xsd:complexType name="GetDatabaseConfigurationResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="serverName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="databaseName" nillable="true"
type="xsd:string"/>
```


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```
    <xsd:element minOccurs="0" maxOccurs="1" name="wmsdeInstanceName" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

serverName: This field MUST be present. It contains the name of the server.

databaseName: This field MUST be present. It contains the name of the database to which the server is connecting.

wmsdeInstanceName: This field MUST be present. It contains the name of the database instance.

3.1.4.115 ExecuteSPGetEmailNotificationConfiguration

The ExecuteSPGetEmailNotificationConfiguration **WSDL operation** retrieves the email notification configuration.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetEmailNotificationConfiguration">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetEmailNotificationConfigurationRequest"
name="ApiRemotingSoap ExecuteSPGetEmailNotificationConfiguration InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetEmailNotificationConfiguration_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetEmailNotificationConfigurationResponse"
name="ApiRemotingSoap_ExecuteSPGetEmailNotificationConfiguration_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetEmailNotificationConfiguration OutputMessage"/>
</wsdl:operation>
```

If any of the following errors occur, the server MUST send a SOAP fault as specified in section 3.1.4.1.

- The email notification configuration is not found.
- The database cannot be accessed.

3.1.4.115.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetEmailNotificationConfiguration_InputMessage	A WSDL message containing the request for the **ExecuteSPGetEmailNotificationConfiguration WSDL operation**.
ApiRemotingSoap_ExecuteSPGetEmailNotificationConfiguration_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetEmailNotificationConfiguration** WSDL operation.

3.1.4.115.1.1 ApiRemotingSoap_ExecuteSPGetEmailNotificationConfiguration Input Message

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The **ApiRemotingSoap_ExecuteSPGetEmailNotificationConfiguration_InputMessage WSDL message** contains the request for the **ExecuteSPGetEmailNotificationConfiguration WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetEmailNotificationConfigurationRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetEmailNotificationConfiguration_InputMessage">
  <wsdl:part name="ExecuteSPGetEmailNotificationConfiguration"
element="tns:ExecuteSPGetEmailNotificationConfiguration"/>
</wsdl:message>
```

3.1.4.115.1.2 ApiRemotingSoap_ExecuteSPGetEmailNotificationConfiguration Output Message

The **ApiRemotingSoap_ExecuteSPGetEmailNotificationConfiguration_OutputMessage WSDL message** contains the response for the **ExecuteSPGetEmailNotificationConfiguration WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetEmailNotificationConfigurationResponse
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetEmailNotificationConfiguration_OutputMessage">
  <wsdl:part name="ExecuteSPGetEmailNotificationConfigurationResponse"
element="tns:ExecuteSPGetEmailNotificationConfigurationResponse"/>
</wsdl:message>
```

3.1.4.115.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetEmailNotificationConfiguration	Contains the body for the request of the ExecuteSPGetEmailNotificationConfiguration WSDL operation.
ExecuteSPGetEmailNotificationConfigurationResponse	Contains the body for the response of the ExecuteSPGetEmailNotificationConfiguration WSDL operation.

3.1.4.115.2.1 ExecuteSPGetEmailNotificationConfiguration

This element contains the body of the ApiRemotingSoap_ExecuteSPGetEmailNotificationConfiguration_InputMessage WSDL message defined in section 3.1.4.115.1.1. The format is defined in section 3.1.4.115.3.1.

```
<xsd:element name="ExecuteSPGetEmailNotificationConfiguration" nillable="true"
type="q1:ExecuteSPGetEmailNotificationConfigurationRequestBody"/>
```

3.1.4.115.2.2 ExecuteSPGetEmailNotificationConfigurationResponse

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This element contains the body of the ApiRemotingSoap_ExecuteSPGetEmailNotificationConfiguration_OutputMessage WSDL message defined in section 3.1.4.115.1.2. The format is defined in section 3.1.4.115.3.2.

```
<xsd:element name="ExecuteSPGetEmailNotificationConfigurationResponse" nillable="true"
type="tns:ExecuteSPGetEmailNotificationConfigurationResponseBody"/>
```

3.1.4.115.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetEmailNotificationConfigurationRequestBody	Contains the request for the email notification configuration.
ExecuteSPGetEmailNotificationConfigurationResponseBody	Contains the email notification configuration.

3.1.4.115.3.1 ExecuteSPGetEmailNotificationConfigurationRequestBody

Contains the request for the email notification configuration. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPGetEmailNotificationConfigurationRequestBody"/>
```

3.1.4.115.3.2 ExecuteSPGetEmailNotificationConfigurationResponseBody

Contains the email notification configuration.

```
<xsd:complexType name="ExecuteSPGetEmailNotificationConfigurationResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetEmailNotificationConfigurationResult" nillable="true"
type="tns:EmailNotificationConfigurationRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetEmailNotificationConfigurationResult: This field MUST be present. It contains the email notification configuration data. The email notification configuration row information is specified in section 2.2.4.11.

3.1.4.116 ExecuteSPGetEmailNotificationRecipients

The ExecuteSPGetEmailNotificationRecipients **WSDL operation** gets the email notification recipients.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetEmailNotificationRecipients">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetEmailNotificationRecipientsRequest"
name="ApiRemotingSoap ExecuteSPGetEmailNotificationRecipients InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients_InputMessage"/>
```


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```
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetEmailNotificationRecipientsResponse"
name="ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients_OutputMessage"/>
</wsdl:operation>
```

If any of the following errors occur, the server MUST send a SOAP fault as specified in section 3.1.4.1.

- The email notification recipient is not found.
- The database cannot be accessed.

3.1.4.116.1 Messages

This operation includes the following **WSDL** messages.

Message	Description
ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients_InputMessage	A **WSDL message** containing the request for the **ExecuteSPGetEmailNotificationRecipients WSDL operation**.
ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetEmailNotificationRecipients** WSDL operation.

3.1.4.116.1.1 ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients Input Message

The **ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients_InputMessage WSDL message** contains the request for the **ExecuteSPGetEmailNotificationRecipients WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetEmailNotificationRecipientsRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients_InputMessage">
  <wsdl:part name="ExecuteSPGetEmailNotificationRecipients"
element="tns:ExecuteSPGetEmailNotificationRecipients"/>
</wsdl:message>
```

3.1.4.116.1.2 ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients Output Message

The **ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients_OutputMessage WSDL message** contains the response for the **ExecuteSPGetEmailNotificationRecipients WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetEmailNotificationRecipientsResponse
```


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```
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients_OutputMessage">
  <wsdl:part name="ExecuteSPGetEmailNotificationRecipientsResponse"
element="tns:ExecuteSPGetEmailNotificationRecipientsResponse"/>
</wsdl:message>
```

3.1.4.116.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetEmailNotificationRecipients	Contains the body for the request of the ExecuteSPGetEmailNotificationRecipients WSDL operation.
ExecuteSPGetEmailNotificationRecipientsResponse	Contains the body for the response of the ExecuteSPGetEmailNotificationRecipients WSDL operation.

3.1.4.116.2.1 ExecuteSPGetEmailNotificationRecipients

This element contains the body of the ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients_InputMessage WSDL message defined in section 3.1.4.116.1.1. The format is defined in section 3.1.4.116.3.1.

```
<xsd:element name="ExecuteSPGetEmailNotificationRecipients" nillable="true"
type="tns:ExecuteSPGetEmailNotificationRecipientsRequestBody"/>
```

3.1.4.116.2.2 ExecuteSPGetEmailNotificationRecipientsResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetEmailNotificationRecipients_OutputMessage WSDL message defined in section 3.1.4.116.1.2. The format is defined in section 3.1.4.116.3.2.

```
<xsd:element name="ExecuteSPGetEmailNotificationRecipientsResponse" nillable="true"
type="tns:ExecuteSPGetEmailNotificationRecipientsResponseBody"/>
```

3.1.4.116.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetEmailNotificationRecipientsRequestBody	Contains the criteria to get the email notification recipient data.
ExecuteSPGetEmailNotificationRecipientsResponseBody	Contains the email notification recipient data.

3.1.4.116.3.1 ExecuteSPGetEmailNotificationRecipientsRequestBody

Contains the criteria to get the email notification recipient data.

```
<xsd:complexType name="ExecuteSPGetEmailNotificationRecipientsRequestBody">
  <xsd:sequence>
```


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```
    <xsd:element minOccurs="1" maxOccurs="1" name="value" nillable="true"
type="tns:EmailNotificationType"/>
  </xsd:sequence>
</xsd:complexType>
```

value: This field MUST be present. It specifies the type of email notification as defined in section 2.2.5.6.

3.1.4.116.3.2ExecuteSPGetEmailNotificationRecipientsResponseBody

Contains the email notification recipient data.

```
<xsd:complexType name="ExecuteSPGetEmailNotificationRecipientsResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetEmailNotificationRecipientsResult" nillable="true" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetEmailNotificationRecipientsResult: This field MUST be present. It contains the email notification recipient data.

3.1.4.117 SendTestEmail

The SendTestEmail WSDL operation sends a test email to manually check the status of SMTP email server and email accounts.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="SendTestEmail">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SendTestEmailRequest" name="ApiRemotingSoap_SendTestEmail_InputMessage"
message="tns:ApiRemotingSoap SendTestEmail InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SendTestEmailResponse" name="ApiRemotingSoap_SendTestEmail_OutputMessage"
message="tns:ApiRemotingSoap_SendTestEmail_OutputMessage"/>
</wsdl:operation>
```

3.1.4.117.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_SendTestEmail_InputMessage	A WSDL message containing the request for the **SendTestEmail** **WSDL operation**.
ApiRemotingSoap_SendTestEmail_OutputMessage	A WSDL message containing the response for the **SendTestEmail** WSDL operation.

3.1.4.117.1.1ApiRemotingSoap_SendTestEmail Input Message

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The **ApiRemotingSoap_SendTestEmail_InputMessage WSDL message** contains the request for the **SendTestEmail WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/SendTestEmailRequest
<wsdl:message name="ApiRemotingSoap_SendTestEmail_InputMessage">
  <wsdl:part name="SendTestEmail" element="tns:SendTestEmail"/>
</wsdl:message>
```

3.1.4.117.1.2ApiRemotingSoap_SendTestEmail Output Message

The **ApiRemotingSoap_SendTestEmail_OutputMessage WSDL message** contains the response for the **SendTestEmail WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/SendTestEmailResponse
<wsdl:message name="ApiRemotingSoap_SendTestEmail_OutputMessage">
  <wsdl:part name="SendTestEmailResponse" element="tns:SendTestEmailResponse"/>
</wsdl:message>
```

3.1.4.117.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
SendTestEmail	Contains the body for the request of the SendTestEmail WSDL operation.
SendTestEmailResponse	Contains the body for the response of the SendTestEmail WSDL operation.

3.1.4.117.2.1SendTestEmail

This element contains the body of the ApiRemotingSoap_SendTestEmail_InputMessage WSDL message defined in section 3.1.4.117.1.1. The format is defined in section 3.1.4.117.3.1.

```
<xsd:element name="SendTestEmail" nillable="true" type="tns:SendTestEmailRequestBody"/>
```

3.1.4.117.2.2SendTestEmailResponse

This element contains the body of the ApiRemotingSoap_SendTestEmail_OutputMessage WSDL message defined in section 3.1.4.117.1.2. The format is defined in section 3.1.4.117.3.2.

```
<xsd:element name="SendTestEmailResponse" nillable="true"
type="q1:SendTestEmailResponseBody"/>
```

3.1.4.117.3 Complex Types

This operation includes the following complex types.

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Complex type	Description
SendTestEmailRequestBody	Contains the SMTP server details, sender email address, and recipient email address for sending the test email.
SendTestEmailResponseBody	Contains the response to delivery of the test email.

3.1.4.117.3.1SendTestEmailRequestBody

Contains the SMTP server details, sender email address, and recipient email address for sending the test email.

```
<xsd:complexType name="SendTestEmailRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="emailLanguage" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="smtpUserName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="senderEmailAddress" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="smtpHostName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="smtpPort" type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="recipients" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

emailLanguage: This field MUST be present. It specifies the language settings for the email.

smtpUserName: This field MUST be present. It specifies the user name or account name of the SMTP server.

senderEmailAddress: This field MUST be present. It specifies the email address of the sender.

smtpHostName: This field MUST be present. It specifies the host name of the SMTP server.

smtpPort: This field MUST be present. It specifies the port for the SMTP server.

recipients: This field MUST be present. It specifies the email address of the recipients.

3.1.4.117.3.2SendTestEmailResponseBody

Contains the response to delivery of the test email. This complex type does not contain any data.

```
<xsd:complexType name="SendTestEmailResponseBody"/>
```

3.1.4.118 CatalogSiteGetMetadataAndImport

The CatalogSiteGetMetadataAndImport WSDL operation gets metadata from the server synchronization **web service** and imports the updated metadata.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="CatalogSiteGetMetadataAndImport">
```


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```
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/CatalogSiteGetMetadataAndImportRequest"
name="ApiRemotingSoap_CatalogSiteGetMetadataAndImport_InputMessage"
message="tns:ApiRemotingSoap_CatalogSiteGetMetadataAndImport_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/CatalogSiteGetMetadataAndImportResponse"
name="ApiRemotingSoap_CatalogSiteGetMetadataAndImport_OutputMessage"
message="tns:ApiRemotingSoap_CatalogSiteGetMetadataAndImport_OutputMessage"/>
</wsdl:operation>
```

3.1.4.118.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_CatalogSiteGetMetadataAndImport_InputMessage	A WSDL message containing the request for the **CatalogSiteGetMetadataAndImport** **WSDL operation**.
ApiRemotingSoap_CatalogSiteGetMetadataAndImport_OutputMessage	A WSDL message containing the response for the **CatalogSiteGetMetadataAndImport** WSDL operation.

3.1.4.118.1.1 ApiRemotingSoap_CatalogSiteGetMetadataAndImport Input Message

The **ApiRemotingSoap_CatalogSiteGetMetadataAndImport_InputMessage** **WSDL message** contains the request for the **CatalogSiteGetMetadataAndImport** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ca
talogSiteGetMetadataAndImportRequest
<wsdl:message name="ApiRemotingSoap_CatalogSiteGetMetadataAndImport_InputMessage">
  <wsdl:part name="CatalogSiteGetMetadataAndImport"
element="tns:CatalogSiteGetMetadataAndImport"/>
</wsdl:message>
```

3.1.4.118.1.2 ApiRemotingSoap_CatalogSiteGetMetadataAndImport Output Message

The **ApiRemotingSoap_CatalogSiteGetMetadataAndImport_OutputMessage** **WSDL message** contains the response for the **CatalogSiteGetMetadataAndImport** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ca
talogSiteGetMetadataAndImportResponse
<wsdl:message name="ApiRemotingSoap_CatalogSiteGetMetadataAndImport_OutputMessage">
  <wsdl:part name="CatalogSiteGetMetadataAndImportResponse"
element="tns:CatalogSiteGetMetadataAndImportResponse"/>
</wsdl:message>
```

3.1.4.118.2 Elements

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This operation includes the following **WSDL** elements.

Element	Description
CatalogSiteGetMetadataAndImport	Contains the body for the request of the CatalogSiteGetMetadataAndImport WSDL operation.
CatalogSiteGetMetadataAndImportResponse	Contains the body for the response of the CatalogSiteGetMetadataAndImport WSDL operation.

3.1.4.118.2.1 CatalogSiteGetMetadataAndImport

Contains the body for the request of the CatalogSiteGetMetadataAndImport WSDL operation.

```
<xsd:element name="CatalogSiteGetMetadataAndImport" nillable="true"
type="tns:CatalogSiteGetMetadataAndImportRequestBody"/>
```

3.1.4.118.2.2 CatalogSiteGetMetadataAndImportResponse

Contains the body for the response of the CatalogSiteGetMetadataAndImport WSDL operation. This element does not contain any data.

```
<xsd:element name="CatalogSiteGetMetadataAndImportResponse" nillable="true"
type="q1:CatalogSiteGetMetadataAndImportResponseBody"/>
```

3.1.4.118.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ArrayOfBase64Binary	Contains an array of hash values that are already present at the update server.
CatalogSiteGetMetadataAndImportRequestBody	Contains the updateId and downloadedFileDigests to use for getting and importing the metatdata.
CatalogSiteGetMetadataAndImportResponseBody	This complex type does not contain any data.

3.1.4.118.3.1 ArrayOfBase64Binary

Contains an array of hash values that are already present at the update server. The hash values are computed by using the SHA1 hashing algorithm and are encoded in **base64**.

```
<xsd:complexType name="ArrayOfBase64Binary">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="base64Binary" nillable="true"
type="xsd:base64Binary"/>
  </xsd:sequence>
</xsd:complexType>
```

base64Binary: This field MUST be present. It contains a base64-encoded string representation of arbitrary binary data.

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3.1.4.118.3.2 CatalogSiteGetMetadataAndImportRequestBody

Contains the **updateId** and **downloadedFileDigests** to use for getting and importing the metatdata.

```
<xsd:complexType name="CatalogSiteGetMetadataAndImportRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="downloadedFileDigests" nillable="true"
type="tns:ArrayOfBase64Binary"/>
  </xsd:sequence>
</xsd:complexType>
```

updateId: This field MUST be present. It contains the unique ID of the update.

downloadedFileDigests: This field MUST be present. The data type is defined in section 3.1.4.118.3.1. It contains an array of SHA1 hashes for the files of the update (specified by **updateId**) that were already downloaded. The SHA1 hash is built over the content of the respective file.

3.1.4.118.3.3 CatalogSiteGetMetadataAndImportResponseBody

This complex type does not contain any data.

```
<xsd:complexType name="CatalogSiteGetMetadataAndImportResponseBody"/>
```

3.1.4.119 Ping

The Ping WSDL operation returns information about the status of the protocol server implementation.

This operation is specified by the following WSDL.

```
<wsdl:operation name="Ping">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/PingRequest" name="ApiRemotingSoap_Ping_InputMessage"
message="tns:ApiRemotingSoap_Ping_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/PingResponse" name="ApiRemotingSoap Ping OutputMessage"
message="tns:ApiRemotingSoap_Ping_OutputMessage"/>
</wsdl:operation>
```

3.1.4.119.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_Ping_InputMessage	A WSDL message containing the request for the **Ping** **WSDL operation**.
ApiRemotingSoap_Ping_OutputMessage	A WSDL message containing the response for the **Ping** WSDL operation.

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3.1.4.119.1.1 ApiRemotingSoap_Ping Input Message

The ApiRemotingSoap_Ping_InputMessage WSDL message contains the request for the Ping WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/PingRequest
<wsdl:message name="ApiRemotingSoap_Ping_InputMessage">
  <wsdl:part name="Ping" element="s2:Ping"/>
</wsdl:message>
```

3.1.4.119.1.2 ApiRemotingSoap_Ping Output Message

The ApiRemotingSoap_Ping_OutputMessage WSDL message contains the response for the Ping WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/PingResponse
<wsdl:message name="ApiRemotingSoap_Ping_OutputMessage">
  <wsdl:part name="PingResponse" element="s2:PingResponse"/>
</wsdl:message>
```

3.1.4.119.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
Ping	Contains the body for the request of the Ping WSDL operation.
PingResponse	Contains the body for the request of the Ping WSDL operation.

3.1.4.119.2.1 Ping

Contains the body for the request of the Ping WSDL operation.

```
<xsd:element name="Ping" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="pingLevel" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

pingLevel: If present, this field defines the amount of output to be returned by the ping, as shown in the following table.

pingLevel	Description
0	Basic information is returned. This is the default value.

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pingLevel	Description
1	All information for pingLevel 0, as well as the server status.
2	All information for pingLevel 1, as well as database information.

3.1.4.119.2.2 PingResponse

Contains the body for the request of the Ping WSDL operation.

```
<xsd:element name="PingResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" maxOccurs="1" name="PingResult" nillable="true"
type="s2:MonitoredServicesResponse"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

PingResult: This field MUST be present. It contains the MonitoredServicesResponse (section 3.1.4.119.3.1).

3.1.4.119.3 Complex Types

This operation includes the following complex types.

Complex type	Description
MonitoredServicesResponse	Contains the result of the call to ping.

3.1.4.119.3.1 MonitoredServicesResponse

Contains the result of the call to ping.

```
<xsd:complexType name="MonitoredServicesResponse">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="SuccessFlag" type="xsd:boolean"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="ServicesTime" type="xsd:dateTime"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ServicesName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ServicesMachine" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="IsHttps" type="xsd:boolean"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="RequestContentType" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ConfigFilePath" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ConfigFileProjectName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ConfigFileEnvironmentName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="ConfigFileLastModifiedTime"
type="xsd:dateTime"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ConfigFileVersion" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="ConfigFileNextExpirationTime"
type="xsd:dateTime"/>
```


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```
    <xsd:element minOccurs="1" maxOccurs="1" name="ConfigFileExpirationModuloInMinutes"
type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="DatabaseInfo" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="CustomInfo" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

SuccessFlag: This field MUST be present. It MUST be set to the Boolean value true to indicate success.

ServicesTime: This field MUST be present. It represents the local time on the server that is implementing the protocol.

ServicesName: This field MUST be set, if the pingLevel value of the request is set to 1 or higher (see section 3.1.4.119.2.1). It contains the name of the **web service** that implements the WSUSAR protocol.

ServicesMachine: This field MUST be set, if the pingLevel value of the request is set to 1 or higher (see section 3.1.4.119.2.1). It contains the machine name of the server that is hosting the web service.

IsHttps: This field MUST be set, if the pingLevel value of the request is set to 1 or higher (see section 3.1.4.119.2.1). If the request for the ping was sent over HTTPS, it MUST be set to TRUE; otherwise, it MUST be set to FALSE.

RequestContentType: This field MUST be set, if the pingLevel value of the request is set to 1 or higher (see section 3.1.4.119.2.1). It contains the MIME type of the request that was sent to the server as part of ping.

ConfigFilePath: This field MUST be set, if the pingLevel value of the request is set to 1 or higher (see section 3.1.4.119.2.1). It contains the path for the configuration file that was used to configure the web service that is implementing the server protocol.

ConfigFileProjectName: This field MUST be set, if the pingLevel value of the request is set to 1 or higher (see section 3.1.4.119.2.1). It contains the project name of the Web service.

ConfigFileEnvironmentName: This field MUST be set, if the pingLevel value of the request is set to 1 or higher (see section 3.1.4.119.2.1). It contains the environment name under which the web service is operated.

ConfigFileLastModifiedTime: This field MUST be set, if the pingLevel value of the request is set to 1 or higher (see section 3.1.4.119.2.1). It contains the date and time when the configuration file that was used to configure the web service was last modified.

ConfigFileVersion: This field MUST be set, if the pingLevel value of the request is set to 1 or higher (see section 3.1.4.119.2.1). It contains the version number of the configuration file that was used to configure the web service.

ConfigFileNextExpirationTime: This field MUST be set, if the pingLevel value of the request is set to 1 or higher (see section 3.1.4.119.2.1). It contains the time when the configuration file becomes invalid.

ConfigFileExpirationModuloInMinutes: This field MUST be set, if the pingLevel value of the request is set to 1 or higher (see section 3.1.4.119.2.1). It contains the threshold in minutes until the configuration file becomes invalid.

DatabaseInfo: This field MUST be set, if the pingLevel value of the request is set to the maximum level of 2 (see section 3.1.4.119.2.1). It contains information about the database where the

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configuration of this web service is stored. The format of the string is: `DBTime=[<datetime>] DB=[<database server name>]`

Where <datetime> represents the time when the ping was executed, in SQL time format, and <database server name> specifies the name of the database server.

CustomInfo: This field can optionally be set. It contains arbitrary status information about the server that is implementing the protocol.

3.1.4.120 GetCurrentUserRole

The GetCurrentUserRole WSDL operation gets the role of the current user on the WSUS server.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="GetCurrentUserRole">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetCurrentUserRoleRequest" name="ApiRemotingSoap_GetCurrentUserRole_InputMessage"
message="tns:ApiRemotingSoap_GetCurrentUserRole_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetCurrentUserRoleResponse"
name="ApiRemotingSoap_GetCurrentUserRole_OutputMessage"
message="tns:ApiRemotingSoap_GetCurrentUserRole_OutputMessage"/>
</wsdl:operation>
```

3.1.4.120.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_GetCurrentUserRole_InputMessage	A WSDL message containing the request for the **GetCurrentUserRole** **WSDL operation**.
ApiRemotingSoap_GetCurrentUserRole_OutputMessage	A WSDL message containing the response for the **GetCurrentUserRole** WSDL operation.

3.1.4.120.1.1 ApiRemotingSoap_GetCurrentUserRole Input Message

The **ApiRemotingSoap_GetCurrentUserRole_InputMessage** **WSDL message** contains the request for the **GetCurrentUserRole** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tCurrentUserRoleRequest
<wsdl:message name="ApiRemotingSoap_GetCurrentUserRole_InputMessage">
  <wsdl:part name="GetCurrentUserRole" element="tns:GetCurrentUserRole"/>
</wsdl:message>
```

3.1.4.120.1.2 ApiRemotingSoap_GetCurrentUserRole Output Message

The **ApiRemotingSoap_GetCurrentUserRole_OutputMessage** **WSDL message** contains the response for the **GetCurrentUserRole** **WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tCurrentUserRoleResponse
<wsdl:message name="ApiRemotingSoap_GetCurrentUserRole_OutputMessage">
  <wsdl:part name="GetCurrentUserRoleResponse" element="tns:GetCurrentUserRoleResponse"/>
</wsdl:message>
```

3.1.4.120.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
GetCurrentUserRole	Contains the body for the request of the GetCurrentUserRole WSDL operation.
GetCurrentUserRoleResponse	Contains the body for the response of the GetCurrentUserRole WSDL operation.

3.1.4.120.2.1 GetCurrentUserRole

This element contains the request to get the role of the current user in the WSUS server. This element does not contain any data.

```
<xsd:element name="GetCurrentUserRole" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.120.2.2 GetCurrentUserRoleResponse

Contains the body for the response of the GetCurrentUserRole WSDL operation.

```
<xsd:element name="GetCurrentUserRoleResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="GetCurrentUserRoleResult"
type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetCurrentUserRoleResult: This element MUST be present. It contains information retrieved about the role of the current user in the WSUS server, as shown in the following table.

Value	Role	Description
0	Unauthorized	The user is not authorized to perform any operations on the WSUS server.
1	Reporter	The user is authorized to view reports on the WSUS server.
2	Administrator	The user has full control over the WSUS server.

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3.1.4.121 ExecuteSPGetConfiguration

The **ExecuteSPGetConfiguration** **WSDL operation** returns configuration-related data. The result set includes per-server configuration data, including information about plug-ins for their suitable **target groups**.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetConfiguration">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetConfigurationRequest"
name="ApiRemotingSoap ExecuteSPGetConfiguration InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetConfiguration_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetConfigurationResponse"
name="ApiRemotingSoap ExecuteSPGetConfiguration OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetConfiguration OutputMessage"/>
</wsdl:operation>
```

3.1.4.121.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetConfiguration_InputMessage	A WSDL message containing the request for the **ExecuteSPGetConfiguration** **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetConfiguration_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetConfiguration** WSDL operation.

3.1.4.121.1.1 ApiRemotingSoap_ExecuteSPGetConfiguration Input Message

The **ApiRemotingSoap_ExecuteSPGetConfiguration_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetConfiguration** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetConfigurationRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPGetConfiguration InputMessage">
  <wsdl:part name="ExecuteSPGetConfiguration" element="tns:ExecuteSPGetConfiguration"/>
</wsdl:message>
```

3.1.4.121.1.2 ApiRemotingSoap_ExecuteSPGetConfiguration Output Message

The **ApiRemotingSoap_ExecuteSPGetConfiguration_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetConfiguration** **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetConfigurationResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetConfiguration_OutputMessage">
  <wsdl:part name="ExecuteSPGetConfigurationResponse"
element="tns:ExecuteSPGetConfigurationResponse"/>
</wsdl:message>
```

3.1.4.121.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetConfiguration	Contains the body for the request of the **ExecuteSPGetConfiguration WSDL operation**.
ExecuteSPGetConfigurationResponse	Contains the body for the response of the **ExecuteSPGetConfigurationResponse** WSDL operation.

3.1.4.121.2.1 ExecuteSPGetConfiguration

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetConfiguration_InputMessage WSDL message** defined in section 3.1.4.121.1.1. The format is defined in section 3.1.4.121.1.1.

```
<xsd:element name="ExecuteSPGetConfiguration" nillable="true"
type="q1:ExecuteSPGetConfigurationRequestBody"/>
```

3.1.4.121.2.2 ExecuteSPGetConfigurationResponse

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetConfiguration_OutputMessage WSDL message** defined in section 3.1.4.121.1.2. The format is defined in section 3.1.4.121.3.2.

```
<xsd:element name="ExecuteSPGetConfigurationResponse" nillable="true"
type="tns:ExecuteSPGetConfigurationResponseBody"/>
```

3.1.4.121.3 Complex Types

This operation includes the following complex types.

Complex type	Description
AllConfigurationTableRows	Contains information about the configuration data.
ArrayOfAuthorizationPlugInTableRow	Identifies the authorization plug-ins that are supported on the server.
ArrayOfGroupAuthorizationTableRow	Identifies the **target groups** which the specified authorization plug-in is allowed to authorize.
AuthorizationPlugInTableRow	Specifies which authorization plug-ins are supported on the server.

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Complex type	Description
ExecuteSPGetConfigurationRequestBody	Contains the criteria to obtain the configuration data.
ExecuteSPGetConfigurationResponseBody	Contains the requested configuration-related data.
GroupAuthorizationTableRow	Identifies the groups which the specified authorization plug-ins are allowed to authorize.

3.1.4.121.3.1AllConfigurationTableRows

Contains information about the configuration data.

```
<xsd:complexType name="AllConfigurationTableRows">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="Configuration" nillable="true"
type="tns:ConfigurationTableRow"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="GroupAuthorization" nillable="true"
type="tns:ArrayOfGroupAuthorizationTableRow"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Authorization" nillable="true"
type="tns:ArrayOfAuthorizationPlugInTableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

Configuration: This field MUST be present. It contains information about the configuration data.

GroupAuthorization: This field MUST be present. It specifies the target group that the plug-in is allowed to authorize.

Authorization: This field MUST be present. It contains a list of group authorization rows.

3.1.4.121.3.2ArrayOfAuthorizationPlugInTableRow

Identifies the authorization plug-ins that are supported on the server.

```
<xsd:complexType name="ArrayOfAuthorizationPlugInTableRow">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="AuthorizationPlugInTableRow"
nillable="true" type="tns:AuthorizationPlugInTableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

AuthorizationPlugInTableRow: This field MUST be present. It specifies the authorization plug-ins that are supported on the server.

3.1.4.121.3.3ArrayOfGroupAuthorizationTableRow

Identifies the target groups which the specified authorization plug-in is allowed to authorize.

```
<xsd:complexType name="ArrayOfGroupAuthorizationTableRow">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="GroupAuthorizationTableRow"
nillable="true" type="tns:GroupAuthorizationTableRow"/>
  </xsd:sequence>
</xsd:complexType>
```


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GroupAuthorizationTableRow: This field MUST be present. It contains the target groups that the specified authorization plug-in is allowed to authorize.

3.1.4.121.3.4 AuthorizationPlugInTableRow

Specifies which authorization plug-ins are supported on the server.

```
<xsd:complexType name="AuthorizationPlugInTableRow">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="PlugInId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="AssemblyName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ClassName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Data" nillable="true"
type="xsd:base64Binary"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Url" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Parameter" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

PlugInId: This field MUST be present. It contains the unique ID of the plug-in.

AssemblyName: This field MUST be present, but it can contain an empty string. If the string is not empty, it contains the name of the library that implements the class defined by the **ClassName** field.

ClassName: This field MUST be present. It contains a class that represents a row in the AuthorizationPlugIn table.

Data: This field MUST be present. It contains binary data that is used by the update server to initialize the respective plug-in.

Url: This field MUST be present. It contains the URL for the specified authorization plug-in. The URL MUST be relative to the URL of the update server or an absolute URL.

Parameter: This field can be empty. If it is not empty, it contains an arbitrary string that will be sent to downstream servers when performing server-server synchronization as defined in [MS-WSUSSS] section 3.1.4.1.

3.1.4.121.3.5 ExecuteSPGetConfigurationRequestBody

Contains the criteria to obtain the configuration data. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPGetConfigurationRequestBody"/>
```

3.1.4.121.3.6 ExecuteSPGetConfigurationResponseBody

Contains the requested configuration-related data.

```
<xsd:complexType name="ExecuteSPGetConfigurationResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetConfigurationResult"
nillable="true" type="tns:AllConfigurationTableRows"/>
  </xsd:sequence>
```


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```
</xsd:complexType>
```

ExecuteSPGetConfigurationResult: This field MUST be present. It contains all configuration-related data as specified by AllConfigurationTableRows (section 3.1.4.121.3.1).

3.1.4.121.3.7 GroupAuthorizationTableRow

Identifies the groups which the specified authorization plug-ins are allowed to authorize.

```
<xsd:complexType name="GroupAuthorizationTableRow">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="Group" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="PlugInId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

Group: This field MUST be present. It contains the **target group** that the plug-in is allowed to authorize.

PlugInId: This field MUST be present. It contains the name of the authorization plug-in.

3.1.4.122 GetResetStateMachineNeededFlag

This **GetResetStateMachineNeededFlag** **WSDL operation** retrieves the value of the ResetStateMachineNeeded flag from the database.

This operation is specified by the following WSDL.

```
<wsdl:operation name="GetResetStateMachineNeededFlag">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetResetStateMachineNeededFlagRequest"
name="ApiRemotingSoap_GetResetStateMachineNeededFlag_InputMessage"
message="tns:ApiRemotingSoap_GetResetStateMachineNeededFlag_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/GetResetStateMachineNeededFlagResponse"
name="ApiRemotingSoap_GetResetStateMachineNeededFlag_OutputMessage"
message="tns:ApiRemotingSoap_GetResetStateMachineNeededFlag_OutputMessage"/>
</wsdl:operation>
```

3.1.4.122.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_GetResetStateMachineNeededFlag_InputMessage	A WSDL message containing the request for the **GetResetStateMachineNeededFlag** **WSDL operation**.
ApiRemotingSoap_GetResetStateMachineNeededFlag_OutputMessage	A WSDL message containing the response for the **GetResetStateMachineNeededFl**

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Message	Description
	ag WSDL operation.

3.1.4.122.1.1 ApiRemotingSoap_GetResetStateMachineNeededFlag Input Message

The **ApiRemotingSoap_GetResetStateMachineNeededFlag_InputMessage** **WSDL message** contains the request for the **GetResetStateMachineNeededFlag** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tResetStateMachineNeededFlagRequest
<wsdl:message name="ApiRemotingSoap GetResetStateMachineNeededFlag InputMessage">
  <wsdl:part name="GetResetStateMachineNeededFlag"
element="tns:GetResetStateMachineNeededFlag"/>
</wsdl:message>
```

3.1.4.122.1.2 ApiRemotingSoap_GetResetStateMachineNeededFlag Output Message

The **ApiRemotingSoap_GetResetStateMachineNeededFlag_OutputMessage** **WSDL message** contains the response for the **GetResetStateMachineNeededFlag** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ge
tResetStateMachineNeededFlagResponse
<wsdl:message name="ApiRemotingSoap GetResetStateMachineNeededFlag OutputMessage">
  <wsdl:part name="GetResetStateMachineNeededFlagResponse"
element="tns:GetResetStateMachineNeededFlagResponse"/>
</wsdl:message>
```

3.1.4.122.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
GetResetStateMachineNeededFlag	Contains the body for the request of the **GetResetStateMachineNeededFlag** **WSDL operation**.
GetResetStateMachineNeededFlagResponse	Contains the body for the response of the **GetResetStateMachineNeededFlag** WSDL operation.

3.1.4.122.2.1 GetResetStateMachineNeededFlag

This element contains the request to obtain the value of the ResetStateMachineNeeded flag from the database. This element does not contain any data.

```
<xsd:element name="GetResetStateMachineNeededFlag" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.122.2.2 GetResetStateMachineNeededFlagResponse

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Contains the body for the response of the GetResetStateMachineNeededFlag **WSDL operation**.

```
<xsd:element name="GetResetStateMachineNeededFlagResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="GetResetStateMachineNeededFlagResult"
type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

GetResetStateMachineNeededFlagResult: This field MUST be present. It contains the value of the ResetStateMachineNeeded flag that was retrieved from the database.

3.1.4.123 ExecuteSPSetRollupConfiguration

The **ExecuteSPSetRollupConfiguration WSDL operation** sets the rollup configuration in the configuration table.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPSetRollupConfiguration">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSetRollupConfigurationRequest"
name="ApiRemotingSoap_ExecuteSPSetRollupConfiguration_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPSetRollupConfiguration InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSetRollupConfigurationResponse"
name="ApiRemotingSoap_ExecuteSPSetRollupConfiguration_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPSetRollupConfiguration_OutputMessage"/>
</wsdl:operation>
```

3.1.4.123.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPSetRollupConfiguration_InputMessage	A WSDL message containing the request for the **ExecuteSPSetRollupConfiguration WSDL operation**.
ApiRemotingSoap_ExecuteSPSetRollupConfiguration_OutputMessage	A WSDL message containing the response for the **ExecuteSPSetRollupConfiguration** WSDL operation.

3.1.4.123.1.1 ApiRemotingSoap_ExecuteSPSetRollupConfiguration Input Message

The **ApiRemotingSoap_ExecuteSPSetRollupConfiguration_InputMessage WSDL message** contains the request for the **ExecuteSPSetRollupConfiguration WSDL operation**.

The **SOAP action** value is:

[MS-WSUSAR] - v20171201
Windows Server Update Services: Administrative API Remoting Protocol (WSUSAR)
Copyright © 2017 Microsoft Corporation
Release: December 1, 2017

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSetRollupConfigurationRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPSetRollupConfiguration_InputMessage">
  <wsdl:part name="ExecuteSPSetRollupConfiguration"
element="tns:ExecuteSPSetRollupConfiguration"/>
</wsdl:message>
```

3.1.4.123.1.2ApiRemotingSoap_ExecuteSPSetRollupConfiguration Output Message

The **ApiRemotingSoap_ExecuteSPSetRollupConfiguration_OutputMessage** **WSDL message** contains the response for the **ExecuteSPSetRollupConfiguration** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSetRollupConfigurationResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPSetRollupConfiguration_OutputMessage">
  <wsdl:part name="ExecuteSPSetRollupConfigurationResponse"
element="tns:ExecuteSPSetRollupConfigurationResponse"/>
</wsdl:message>
```

3.1.4.123.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPSetRollupConfiguration	Contains the body for the request of the **ExecuteSPSetRollupConfiguration** **WSDL operation**.
ExecuteSPSetRollupConfigurationResponse	Contains the body for the response of the **ExecuteSPSetRollupConfiguration** WSDL operation.

3.1.4.123.2.1ExecuteSPSetRollupConfiguration

Contains the body for the request of the ExecuteSPSetRollupConfiguration **WSDL operation**.

```
<xsd:element name="ExecuteSPSetRollupConfiguration" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="doDetailedRollup" type="xsd:boolean"/>
      <xsd:element minOccurs="1" maxOccurs="1" name="rollupResetGuid" nillable="true"
type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

doDetailedRollup: This field MUST be present. It is a Boolean value that when set to TRUE, specifies executing the rollup configuration.

rollupResetGuid: This field MUST be present. It contains the GUID Id of the rollup reset.

3.1.4.123.2.2ExecuteSPSetRollupConfigurationResponse

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Contains the body for the response of the **ExecuteSPSetRollupConfiguration** **WSDL operation**. This element does not contain any data.

```
<xsd:element name="ExecuteSPSetRollupConfigurationResponse" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.124 SetProxyPassword

The **SetProxyPassword** **WSDL operation** sets the Proxy Password in the registry by using the DPAPI.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="SetProxyPassword">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetProxyPasswordRequest" name="ApiRemotingSoap_SetProxyPassword_InputMessage"
message="tns:ApiRemotingSoap_SetProxyPassword_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/SetProxyPasswordResponse" name="ApiRemotingSoap SetProxyPassword OutputMessage"
message="tns:ApiRemotingSoap_SetProxyPassword_OutputMessage"/>
</wsdl:operation>
```

3.1.4.124.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_SetProxyPassword_InputMessage	A WSDL message containing the request for the **SetProxyPassword** **WSDL operation**.
ApiRemotingSoap_SetProxyPassword_OutputMessage	A WSDL message containing the response for the **SetProxyPassword** WSDL operation.

3.1.4.124.1.1 ApiRemotingSoap_SetProxyPassword Input Message

The **ApiRemotingSoap_SetProxyPassword_InputMessage** **WSDL message** contains the request for the **SetProxyPassword** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Se
tProxyPasswordRequest
<wsdl:message name="ApiRemotingSoap SetProxyPassword InputMessage">
  <wsdl:part name="SetProxyPassword" element="tns:SetProxyPassword"/>
</wsdl:message>
```

3.1.4.124.1.2 ApiRemotingSoap_SetProxyPassword Output Message

The **ApiRemotingSoap_SetProxyPassword_OutputMessage** **WSDL message** contains the response for the **SetProxyPassword** **WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/SetProxyPasswordResponse
<wsdl:message name="ApiRemotingSoap_SetProxyPassword_OutputMessage">
  <wsdl:part name="SetProxyPasswordResponse" element="tns:SetProxyPasswordResponse"/>
</wsdl:message>
```

3.1.4.124.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
SetProxyPassword	Contains the body for the request of the **SetProxyPassword** **WSDL operation**.
SetProxyPasswordResponse	Contains the body for the response of the **SetProxyPassword** WSDL operation.

3.1.4.124.2.1 SetProxyPassword

This element contains the body of **ApiRemotingSoap_SetProxyPassword_InputMessage** **WSDL message** defined in section 3.1.4.124.1.1. The format is defined in section 3.1.4.124.3.1.

```
<xsd:element name="SetProxyPassword" nillable="true" type="tns:SetProxyPasswordRequestBody"/>
```

3.1.4.124.2.2 SetProxyPasswordResponse

This element contains the body of the **ApiRemotingSoap_SetProxyPassword_OutputMessage** **WSDL message** defined in section 3.1.4.124.1.2. The format is defined in section 3.1.4.124.3.2.

```
<xsd:element name="SetProxyPasswordResponse" nillable="true"
type="q1:SetProxyPasswordResponseBody"/>
```

3.1.4.124.3 Complex Types

This operation includes the following complex types.

Complex type	Description
SetProxyPasswordRequestBody	Contains the proxy password.
SetProxyPasswordResponseBody	Contains the response for setting the proxy password in the registry.

3.1.4.124.3.1 SetProxyPasswordRequestBody

Contains the proxy password.

```
<xsd:complexType name="SetProxyPasswordRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="passwordBytes" nillable="true"
type="xsd:base64Binary"/>
  </xsd:sequence>
```


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```
</xsd:complexType>
```

passwordBytes: This field MUST be present. This field contains the proxy password saved as a byte array.

3.1.4.124.3.2SetProxyPasswordResponseBody

Contains the response for setting the proxy password in the registry. This complex type does not contain any data.

```
<xsd:complexType name="SetProxyPasswordResponseBody"/>
```

3.1.4.125 HasProxyPassword

The **HasProxyPassword** **WSDL operation** determines whether the proxy password is set.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="HasProxyPassword">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/HasProxyPasswordRequest" name="ApiRemotingSoap HasProxyPassword InputMessage"
message="tns:ApiRemotingSoap_HasProxyPassword_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/HasProxyPasswordResponse" name="ApiRemotingSoap_HasProxyPassword_OutputMessage"
message="tns:ApiRemotingSoap_HasProxyPassword_OutputMessage"/>
</wsdl:operation>
```

3.1.4.125.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_HasProxyPassword_InputMessage	A WSDL message containing the request for the **HasProxyPassword** **WSDL operation**.
ApiRemotingSoap_HasProxyPassword_OutputMessage	A WSDL message containing the response for the **HasProxyPassword** WSDL operation.

3.1.4.125.1.1ApiRemotingSoap_HasProxyPassword Input Message

The **ApiRemotingSoap_HasProxyPassword_InputMessage** **WSDL message** contains the request for the **HasProxyPassword** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ha
sProxyPasswordRequest
<wsdl:message name="ApiRemotingSoap_HasProxyPassword_InputMessage">
  <wsdl:part name="HasProxyPassword" element="tns:HasProxyPassword"/>
</wsdl:message>
```


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3.1.4.125.1.2 ApiRemotingSoap_HasProxyPassword Output Message

The **ApiRemotingSoap_HasProxyPassword_OutputMessage** **WSDL message** contains the response for the **HasProxyPassword** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ha
sProxyPasswordResponse
<wsdl:message name="ApiRemotingSoap_HasProxyPassword_OutputMessage">
  <wsdl:part name="HasProxyPasswordResponse" element="tns:HasProxyPasswordResponse"/>
</wsdl:message>
```

3.1.4.125.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
HasProxyPassword	Contains the criteria to check the proxy password.
HasProxyPasswordResponse	Contains the details about whether the proxy password is set.

3.1.4.125.2.1 HasProxyPassword

Contains the criteria to check the proxy password. This element does not contain any data.

```
<xsd:element name="HasProxyPassword" nillable="true">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.125.2.2 HasProxyPasswordResponse

Contains details about the proxy password.

```
<xsd:element name="HasProxyPasswordResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="HasProxyPasswordResult"
type="xsd:boolean"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

HasProxyPasswordResult: This field MUST be present. It contains the details about whether the proxy password is set.

3.1.4.126 ExecuteSPSetConfiguration

The **ExecuteSPSetConfiguration** **WSDL operation** sets the configuration information in the configuration table.

This operation is specified by the following **WSDL**.

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```
<wsdl:operation name="ExecuteSPSetConfiguration">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSetConfigurationRequest"
name="ApiRemotingSoap ExecuteSPSetConfiguration InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPSetConfiguration_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSetConfigurationResponse"
name="ApiRemotingSoap ExecuteSPSetConfiguration OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPSetConfiguration_OutputMessage"/>
</wsdl:operation>
```

3.1.4.126.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPSetConfiguration_InputMessage	A WSDL message containing the request for the **ExecuteSPSetConfiguration WSDL operation**.
ApiRemotingSoap_ExecuteSPSetConfiguration_OutputMessage	A WSDL message containing the response for the **ExecuteSPSetConfiguration** WSDL operation.

3.1.4.126.1.1 ApiRemotingSoap_ExecuteSPSetConfiguration Input Message

The **ApiRemotingSoap_ExecuteSPSetConfiguration_InputMessage WSDL message** contains the request for the **ExecuteSPSetConfiguration WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSetConfigurationRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPSetConfiguration_InputMessage">
  <wsdl:part name="ExecuteSPSetConfiguration" element="tns:ExecuteSPSetConfiguration"/>
</wsdl:message>
```

3.1.4.126.1.2 ApiRemotingSoap_ExecuteSPSetConfiguration Output Message

The **ApiRemotingSoap_ExecuteSPSetConfiguration_OutputMessage WSDL message** contains the response for the **ExecuteSPSetConfiguration WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSetConfigurationResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPSetConfiguration_OutputMessage">
  <wsdl:part name="ExecuteSPSetConfigurationResponse"
element="tns:ExecuteSPSetConfigurationResponse"/>
</wsdl:message>
```

3.1.4.126.2 Elements

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This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPSetConfiguration	Contains the body for the request of the **ExecuteSPSetConfiguration WSDL operation**.
ExecuteSPSetConfigurationResponse	Contains the body for the response of the **ExecuteSPSetConfiguration** WSDL operation.

3.1.4.126.2.1 ExecuteSPSetConfiguration

This element contains the body of the **ApiRemotingSoap_ExecuteSPSetConfiguration_InputMessage WSDL message** defined in section 3.1.4.126.1.1. The format is defined in section 3.1.4.126.3.2.

```
<xsd:element name="ExecuteSPSetConfiguration" nillable="true"
type="tns:ExecuteSPSetConfigurationRequestBody"/>
```

3.1.4.126.2.2 ExecuteSPSetConfigurationResponse

This element contains the body of the **ApiRemotingSoap_ExecuteSPSetConfiguration_OutputMessage WSDL message** defined in section 3.1.4.126.1.2. The format is defined in section 3.1.4.126.3.3.

```
<xsd:element name="ExecuteSPSetConfigurationResponse" nillable="true"
type="q1:ExecuteSPSetConfigurationResponseBody"/>
```

3.1.4.126.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ArrayOfProgramKey	Contains an array of ProgramKey values. This field is reserved.
ExecuteSPSetConfigurationRequestBody	Contains the data to use to set the configuration.
ExecuteSPSetConfigurationResponseBody	Contains the response for the request.
ProgramKey	Contains the program key.

3.1.4.126.3.1 ArrayOfProgramKey

Contains an array of ProgramKey values. This complex type is reserved.

```
<xsd:complexType name="ArrayOfProgramKey">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="unbounded" name="ProgramKey" nillable="true"
type="tns:ProgramKey"/>
  </xsd:sequence>
</xsd:complexType>
```


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ProgramKey: This field MUST be present. This field contains a ProgramKey value. The use of program keys is reserved.

3.1.4.126.3.2ExecuteSPSetConfigurationRequestBody

Contains the data to use to set the configuration.

```
<xsd:complexType name="ExecuteSPSetConfigurationRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="row" nillable="true"
type="tns:ConfigurationTableRow"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="listTrue" nillable="true"
type="tns:ArrayOfAnyType"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="listFalse" nillable="true"
type="tns:ArrayOfAnyType"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ussListTrue" nillable="true"
type="tns:ArrayOfAnyType"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="ussListFalse" nillable="true"
type="tns:ArrayOfAnyType"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="programKeys" nillable="true"
type="tns:ArrayOfProgramKey"/>
  </xsd:sequence>
</xsd:complexType>
```

row: This field MUST be present. It contains the configuration of the update server as specified by the ConfigurationTableRow Complex Type (section 2.2.4.10).

listTrue: This field MUST be present. It contains an array of language identifiers denoting languages that are to be enabled at the update server.

listFalse: This field MUST be present. It contains an array of language identifiers denoting languages that are to be disabled at the update server.

ussListTrue: This field MUST be present. It contains an array of language identifiers denoting languages that are to be enabled at the parent update server.

ussListFalse: This field MUST be present. It contains an array of language identifiers denoting languages that are to be disabled at the parent update server.

programKeys: This field MUST be present. The use of this field is reserved.

3.1.4.126.3.3ExecuteSPSetConfigurationResponseBody

Contains the response for the request. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPSetConfigurationResponseBody"/>
```

3.1.4.126.3.4ProgramKey

Contains a program key. The use of program keys is reserved.

```
<xsd:complexType name="ProgramKey">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="Key" nillable="true" type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="Description" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
```


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```
</xsd:complexType>
```

Key: This field MUST be present. It contains the identifier of the program.

Description: This field MUST be present. It contains the description of the key.

3.1.4.127 ExecuteSPGetAllLanguagesWithEnabledState

The **ExecuteSPGetAllLanguagesWithEnabledState** **WSDL operation** gets the language IDs and their associated state from the database.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetAllLanguagesWithEnabledState">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetAllLanguagesWithEnabledStateRequest"
name="ApiRemotingSoap ExecuteSPGetAllLanguagesWithEnabledState InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetAllLanguagesWithEnabledState_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetAllLanguagesWithEnabledStateResponse"
name="ApiRemotingSoap_ExecuteSPGetAllLanguagesWithEnabledState_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetAllLanguagesWithEnabledState_OutputMessage"/>
</wsdl:operation>
```

3.1.4.127.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetAllLanguagesWithEnabledState_InputMessage	A WSDL message containing the request for the **ExecuteSPGetAllLanguagesWithEnabledState** **WSDL**
ApiRemotingSoap_ExecuteSPGetAllLanguagesWithEnabledState_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetAllLanguagesWithEnabledState** **WSDL operation**.

3.1.4.127.1.1 ApiRemotingSoap_ExecuteSPGetAllLanguagesWithEnabledState Input Message

The **ApiRemotingSoap_ExecuteSPGetAllLanguagesWithEnabledState_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetAllLanguagesWithEnabledState** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetAllLanguagesWithEnabledStateRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPGetAllLanguagesWithEnabledState InputMessage">
  <wsdl:part name="ExecuteSPGetAllLanguagesWithEnabledState"
element="tns:ExecuteSPGetAllLanguagesWithEnabledState"/>
```


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```
</wsdl:message>
```

3.1.4.127.1.2 ApiRemotingSoap_ExecuteSPGetAllLanguagesWithEnabledState Output Message

The **ApiRemotingSoap_ExecuteSPGetAllLanguagesWithEnabledState_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetAllLanguagesWithEnabledState** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetAllLanguagesWithEnabledStateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetAllLanguagesWithEnabledState_OutputMessage">
  <wsdl:part name="ExecuteSPGetAllLanguagesWithEnabledStateResponse"
element="tns:ExecuteSPGetAllLanguagesWithEnabledStateResponse"/>
</wsdl:message>
```

3.1.4.127.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetAllLanguagesWithEnabledState	Contains the body for the request of the **ExecuteSPGetAllLanguagesWithEnabledState** operation.
ExecuteSPGetAllLanguagesWithEnabledStateResponse	Contains the body for the response of the **ExecuteSPGetAllLanguagesWithEnabledState** operation.

3.1.4.127.2.1 ExecuteSPGetAllLanguagesWithEnabledState

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetAllLanguagesWithEnabledState_InputMessage** **WSDL message** defined in section 3.1.4.127.1.1. The format is defined in section 3.1.4.127.3.1.

```
<xsd:element name="ExecuteSPGetAllLanguagesWithEnabledState" nillable="true"
type="q1:ExecuteSPGetAllLanguagesWithEnabledStateRequestBody"/>
```

3.1.4.127.2.2 ExecuteSPGetAllLanguagesWithEnabledStateResponse

This element contains the body of **ApiRemotingSoap_ExecuteSPGetAllLanguagesWithEnabledState_OutputMessage** **WSDL message** defined in section 3.1.4.127.1.2. The format is defined in section 3.1.4.127.3.2.

```
<xsd:element name="ExecuteSPGetAllLanguagesWithEnabledStateResponse" nillable="true"
type="tns:ExecuteSPGetAllLanguagesWithEnabledStateResponseBody"/>
```

3.1.4.127.3 Complex Types

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This operation includes the following complex types.

Complex type	Description
ExecuteSPGetAllLanguagesWithEnabledStateRequestBody	Contains the search criteria to retrieve language IDs and their associated state.
ExecuteSPGetAllLanguagesWithEnabledStateResponseBody	Contains the language IDs and their associated state.

3.1.4.127.3.1 ExecuteSPGetAllLanguagesWithEnabledStateRequestBody

Contains the search criteria to retrieve language IDs and their associated state. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPGetAllLanguagesWithEnabledStateRequestBody"/>
```

3.1.4.127.3.2 ExecuteSPGetAllLanguagesWithEnabledStateResponseBody

Contains the language IDs and their associated state.

```
<xsd:complexType name="ExecuteSPGetAllLanguagesWithEnabledStateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetAllLanguagesWithEnabledStateResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetAllLanguagesWithEnabledStateResult: This field MUST be present. It represents information about all of the language IDs and their associated state. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The items in the array MUST contain the following information:

Index	Name	Type	Description
0	LanguageId	**Integer**	Identifies the language corresponding to this entry. This MUST be set to 0 (which is a special value that refers to all languages) or to a language ID referring to a specific language, as specified in [MS-LCID].
1	ShortLanguage	**String**	This field MUST be present. It provides a short name for the language. The value "all" refers to "All languages". All other language short names are as specified in [MS-LCID].
2	LongLanguage	**String**	This field MUST be present. It provides a long name for the language. The value "all" refers to "All languages". All other language long names are as specified in [MS-LCID].
3	Enabled	**Boolean**	If the USS supports updates in the specified language, this field MUST be set to TRUE; otherwise, this field MUST be set to FALSE.

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3.1.4.128 ExecuteSPGetProgramKeys

The **ExecuteSPGetProgramKeys** **WSDL operation** gets all of the program keys in the database.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetProgramKeys">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetProgramKeysRequest"
name="ApiRemotingSoap ExecuteSPGetProgramKeys InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetProgramKeys_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetProgramKeysResponse"
name="ApiRemotingSoap_ExecuteSPGetProgramKeys_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetProgramKeys OutputMessage"/>
</wsdl:operation>
```

3.1.4.128.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetProgramKeys_InputMessage	A WSDL message containing the request for the **ExecuteSPGetProgramKeys** **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetProgramKeys_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetProgramKeys** WSDL operation.

3.1.4.128.1.1 ApiRemotingSoap_ExecuteSPGetProgramKeys Input Message

The **ApiRemotingSoap_ExecuteSPGetProgramKeys_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetProgramKeys** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetProgramKeysRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPGetProgramKeys InputMessage">
  <wsdl:part name="ExecuteSPGetProgramKeys" element="tns:ExecuteSPGetProgramKeys"/>
</wsdl:message>
```

3.1.4.128.1.2 ApiRemotingSoap_ExecuteSPGetProgramKeys Output Message

The **ApiRemotingSoap_ExecuteSPGetProgramKeys_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetProgramKeys** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetProgramKeysResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetProgramKeys_OutputMessage">
```


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```
  <wsdl:part name="ExecuteSPGetProgramKeysResponse"
element="tns:ExecuteSPGetProgramKeysResponse"/>
</wsdl:message>
```

3.1.4.128.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetProgramKeys	Contains the body for the request of the **ExecuteSPGetProgramKeys WSDL operation**.
ExecuteSPGetProgramKeysResponse	Contains the body for the response of the **ExecuteSPGetProgramKeys** WSDL operation.

3.1.4.128.2.1 ExecuteSPGetProgramKeys

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetProgramKeys_InputMessage WSDL message** defined in section 3.1.4.128.1.1. The format is defined in section 3.1.4.128.3.1.

```
<xsd:element name="ExecuteSPGetProgramKeys" nillable="true"
type="q1:ExecuteSPGetProgramKeysRequestBody"/>
```

3.1.4.128.2.2 ExecuteSPGetProgramKeysResponse

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetProgramKeys_OutputMessage WSDL message** defined in section 3.1.4.128.1.2. The format is defined in section 3.1.4.128.3.2.

```
<xsd:element name="ExecuteSPGetProgramKeysResponse" nillable="true"
type="tns:ExecuteSPGetProgramKeysResponseBody"/>
```

3.1.4.128.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetProgramKeysRequestBody	Contains the request to get all of the program keys.
ExecuteSPGetProgramKeysResponseBody	Contains the list of **GUIDs** for all of the program keys in the database.

3.1.4.128.3.1 ExecuteSPGetProgramKeysRequestBody

Contains the request to get all of the program keys. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPGetProgramKeysRequestBody"/>
```


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3.1.4.128.3.2 ExecuteSPGetProgramKeysResponseBody

Contains the list of **GUIDs** corresponding to all of the inserted program keys.

```
<xsd:complexType name="ExecuteSPGetProgramKeysResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetProgramKeysResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetProgramKeysResult: This field MUST be present. It contains a list of GUIDs for all of the program keys in the database. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12.1). The entries in that array SHOULD be interpreted as defined in section 2.2.4.12.1. The items in the array MUST contain the following information.

Index	Name	Type	Description
0	ProgramKey	**String**	MUST NOT be NULL. It contains the program identifier.
1	Description	**String**	Contains optional description information for the program key.

3.1.4.129 ExecuteSPGetFrontEndServers

The **ExecuteSPGetFrontEndServers** **WSDL operation** retrieves a list of all of the front-end servers in the database.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetFrontEndServers">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetFrontEndServersRequest"
name="ApiRemotingSoap_ExecuteSPGetFrontEndServers_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetFrontEndServers InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetFrontEndServersResponse"
name="ApiRemotingSoap_ExecuteSPGetFrontEndServers_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetFrontEndServers_OutputMessage"/>
</wsdl:operation>
```

3.1.4.129.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetFrontEndServers_InputMessage	A WSDL message containing the request for the **ExecuteSPGetFrontEndServers** **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetFrontEndServers_OutputMessage	A WSDL message containing the

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Message	Description
	response for the **ExecuteSPGetFrontEndServers** WSDL operation.

3.1.4.129.1.1 ApiRemotingSoap_ExecuteSPGetFrontEndServers Input Message

The **ApiRemotingSoap_ExecuteSPGetFrontEndServers_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetFrontEndServers** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetFrontEndServersRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPGetFrontEndServers InputMessage">
  <wsdl:part name="ExecuteSPGetFrontEndServers" element="tns:ExecuteSPGetFrontEndServers"/>
</wsdl:message>
```

3.1.4.129.1.2 ApiRemotingSoap_ExecuteSPGetFrontEndServers Output Message

The **ApiRemotingSoap_ExecuteSPGetFrontEndServers_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetFrontEndServers** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetFrontEndServersResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetFrontEndServers_OutputMessage">
  <wsdl:part name="ExecuteSPGetFrontEndServersResponse"
element="tns:ExecuteSPGetFrontEndServersResponse"/>
</wsdl:message>
```

3.1.4.129.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetFrontEndServers	Contains the body for the request of the **ExecuteSPGetFrontEndServersWSDL operation**.
ExecuteSPGetFrontEndServersResponse	Contains the body for the response of the **ExecuteSPGetFrontEndServers** **WSDL operation**.

3.1.4.129.2.1 ExecuteSPGetFrontEndServers

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetFrontEndServers_InputMessage** **WSDL message** defined in section 3.1.4.129.1.1. The format is defined in section 3.1.4.129.3.1.

```
<xsd:element name="ExecuteSPGetFrontEndServers" nillable="true"
type="q1:ExecuteSPGetFrontEndServersRequestBody"/>
```


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3.1.4.129.2.2 ExecuteSPGetFrontEndServersResponse

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetFrontEndServers_OutputMessage** **WSDL message** defined in section 3.1.4.129.1.2. The format is defined in section 3.1.4.129.3.2.

```
<xsd:element name="ExecuteSPGetFrontEndServersResponse" nillable="true"
type="tns:ExecuteSPGetFrontEndServersResponseBody"/>
```

3.1.4.129.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetFrontEndServersRequestBody	Contains the criteria to get the list of front-end servers.
ExecuteSPGetFrontEndServersResponseBody	Contains the list of front-end servers in the database.

3.1.4.129.3.1 ExecuteSPGetFrontEndServersRequestBody

Contains the criteria to get the list of front-end servers. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPGetFrontEndServersRequestBody"/>
```

3.1.4.129.3.2 ExecuteSPGetFrontEndServersResponseBody

Contains the list of front-end servers in the database.

```
<xsd:complexType name="ExecuteSPGetFrontEndServersResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetFrontEndServersResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetFrontEndServersResult: This field MUST be present. It contains the list of front-end servers with the details. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.12.1. The items in the array MUST contain the following information.

Index	Name	Type	Description
0	Servername	**String**	Contains the server name.
1	Heartbeat	**Integer**	Contains the heartbeat of the server.
2	MasterIdle	**Datetime**	Contains the idle time of the master server.
3	Masterserver name	**String**	Contains the name of the master server.

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3.1.4.130 ExecuteSPRemoveFrontEndServer

The **ExecuteSPRemoveFrontEndServer** **WSDL operation** removes the specified front-end server from the database.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPRemoveFrontEndServer">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPRemoveFrontEndServerRequest"
name="ApiRemotingSoap ExecuteSPRemoveFrontEndServer InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPRemoveFrontEndServer_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPRemoveFrontEndServerResponse"
name="ApiRemotingSoap_ExecuteSPRemoveFrontEndServer_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPRemoveFrontEndServer OutputMessage"/>
</wsdl:operation>
```

3.1.4.130.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPRemoveFrontEndServer_InputMessage	A WSDL message containing the request for the **ExecuteSPRemoveFrontEndServer** **WSDL operation**.
ApiRemotingSoap_ExecuteSPRemoveFrontEndServer_OutputMessage	A WSDL message containing the response for the **ExecuteSPRemoveFrontEndServer** WSDL operation.

3.1.4.130.1.1 ApiRemotingSoap_ExecuteSPRemoveFrontEndServer Input Message

The **ApiRemotingSoap_ExecuteSPRemoveFrontEndServer_InputMessage** **WSDL message** contains the request for the **ExecuteSPRemoveFrontEndServer** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPRemoveFrontEndServerRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPRemoveFrontEndServer InputMessage">
  <wsdl:part name="ExecuteSPRemoveFrontEndServer"
element="tns:ExecuteSPRemoveFrontEndServer"/>
</wsdl:message>
```

3.1.4.130.1.2 ApiRemotingSoap_ExecuteSPRemoveFrontEndServer Output Message

The **ApiRemotingSoap_ExecuteSPRemoveFrontEndServer_OutputMessage** **WSDL message** contains the response for the **ExecuteSPRemoveFrontEndServer** **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPRemoveFrontEndServerResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPRemoveFrontEndServer_OutputMessage">
  <wsdl:part name="ExecuteSPRemoveFrontEndServerResponse"
element="tns:ExecuteSPRemoveFrontEndServerResponse"/>
</wsdl:message>
```

3.1.4.130.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPRemoveFrontEndServer	Contains the body for the request of the E**xecuteSPRemoveFrontEndServer WSDL operation**.
ExecuteSPRemoveFrontEndServerResponse	Contains the body for the response of the **ExecuteSPRemoveFrontEndServer** WSDL operation.

3.1.4.130.2.1 ExecuteSPRemoveFrontEndServer

This element contains the body of the **ApiRemotingSoap_ExecuteSPRemoveFrontEndServer_InputMessage WSDL message** defined in section 3.1.4.130.1.1. The format is defined in section 3.1.4.130.3.1.

```
<xsd:element name="ExecuteSPRemoveFrontEndServer" nillable="true"
type="tns:ExecuteSPRemoveFrontEndServerRequestBody"/>
```

3.1.4.130.2.2 ExecuteSPRemoveFrontEndServerResponse

This element contains the body of the **ApiRemotingSoap_ExecuteSPRemoveFrontEndServer_OutputMessage WSDL message** defined in section 3.1.4.130.1.2. The format is defined in section 3.1.4.130.3.2.

```
<xsd:element name="ExecuteSPRemoveFrontEndServerResponse" nillable="true"
type="q1:ExecuteSPRemoveFrontEndServerResponseBody"/>
```

3.1.4.130.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPRemoveFrontEndServerRequestBody	Contains the request to remove the specified front-end server.
ExecuteSPRemoveFrontEndServerResponseBody	This complex type does not contain any data.

3.1.4.130.3.1 ExecuteSPRemoveFrontEndServerRequestBody

Contains the request to remove the specified front-end server.

```
<xsd:complexType name="ExecuteSPRemoveFrontEndServerRequestBody">
```


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```
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="serverName" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

serverName: This field MUST be present. It contains the name of the front-end server to remove from the database.

3.1.4.130.3.2ExecuteSPRemoveFrontEndServerResponseBody

This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPRemoveFrontEndServerResponseBody"/>
```

3.1.4.131 ExecuteSPGetClientsWithRecentNameChange

The **ExecuteSPGetClientsWithRecentNameChange** **WSDL operation** retrieves the last known, FQDNs of client computers that have been observed as having their domain names changed frequently.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetClientsWithRecentNameChange">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetClientsWithRecentNameChangeRequest"
name="ApiRemotingSoap ExecuteSPGetClientsWithRecentNameChange InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetClientsWithRecentNameChange_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetClientsWithRecentNameChangeResponse"
name="ApiRemotingSoap_ExecuteSPGetClientsWithRecentNameChange_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetClientsWithRecentNameChange OutputMessage"/>
</wsdl:operation>
```

A server MUST report a client computer, if the server observes a name change for that client computer at least twice during a period of 24 hours.

3.1.4.131.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetClientsWithRecentNameChange_InputMessage	A WSDL message containing the request for the **ExecuteSPGetClientsWithRecentNameChange** **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetClientsWithRecentNameChange_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetClientsWithRecentNameChange** WSDL operation.

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3.1.4.131.1.1 ApiRemotingSoap_ExecuteSPGetClientsWithRecentNameChange Input Message

The **ApiRemotingSoap_ExecuteSPGetClientsWithRecentNameChange_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetClientsWithRecentNameChange** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetClientsWithRecentNameChangeRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetClientsWithRecentNameChange_InputMessage">
  <wsdl:part name="ExecuteSPGetClientsWithRecentNameChange"
element="tns:ExecuteSPGetClientsWithRecentNameChange"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.131.2.1.

3.1.4.131.1.2 ApiRemotingSoap_ExecuteSPGetClientsWithRecentNameChange Output Message

The **ApiRemotingSoap_ExecuteSPGetClientsWithRecentNameChange_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetClientsWithRecentNameChange** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetClientsWithRecentNameChangeResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetClientsWithRecentNameChange_OutputMessage">
  <wsdl:part name="ExecuteSPGetClientsWithRecentNameChangeResponse"
element="tns:ExecuteSPGetClientsWithRecentNameChangeResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.131.2.2.

3.1.4.131.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetClientsWithRecentNameChange	Contains the body for the request of the **ExecuteSPGetClientsWithRecentNameChange** **WSDL operation**.
ExecuteSPGetClientsWithRecentNameChangeResponse	Contains the body for the response of the **ExecuteSPGetClientsWithRecentNameChange** WSDL operation.

3.1.4.131.2.1 ExecuteSPGetClientsWithRecentNameChange

This element contains the body of the request for the **ExecuteSPGetClientsWithRecentNameChange** **WSDL operation**. The format is defined in section 3.1.4.131.3.1.

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```
<xsd:element name="ExecuteSPGetClientsWithRecentNameChange" nillable="true"
type="q1:ExecuteSPGetClientsWithRecentNameChangeRequestBody"/>
```

3.1.4.131.2.2 ExecuteSPGetClientsWithRecentNameChangeResponse

This element contains the body of the response for the **ExecuteSPGetClientsWithRecentNameChange** **WSDL operation**. The format is defined in section 3.1.4.131.3.2.

```
<xsd:element name="ExecuteSPGetClientsWithRecentNameChangeResponse" nillable="true"
type="tns:ExecuteSPGetClientsWithRecentNameChangeResponseBody"/>
```

3.1.4.131.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetClientsWithRecentNameChangeRequestBody	This type does not contain any data.
ExecuteSPGetClientsWithRecentNameChangeResponseBody	Contains the FQDN of computers with observed frequent name changes.

3.1.4.131.3.1 ExecuteSPGetClientsWithRecentNameChangeRequestBody

This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPGetClientsWithRecentNameChangeRequestBody"/>
```

3.1.4.131.3.2 ExecuteSPGetClientsWithRecentNameChangeResponseBody

```
<xsd:complexType name="ExecuteSPGetClientsWithRecentNameChangeResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetClientsWithRecentNameChangeResult" nillable="true"
type="tns:ArrayOfString"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetClientsWithRecentNameChangeResult: This field MUST be present. The data type is ArrayOfString (section 2.2.4.6). The array MUST contain the last known, **FQDN** of those client computers that were observed to change their name at least twice within 24 hours. Once a client computer is reported as part of that method, the server MUST NOT report the same client computer again, if the last report name change is older than 24 hours.

3.1.4.132 ExecuteSPLoadReportingEventAttributes

The ExecuteSPLoadReportingEventAttributes WSDL operation retrieves the list of reporting event attributes by event ID.

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This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPLoadReportingEventAttributes">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPLoadReportingEventAttributesRequest"
name="ApiRemotingSoap_ExecuteSPLoadReportingEventAttributes_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPLoadReportingEventAttributes_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPLoadReportingEventAttributesResponse"
name="ApiRemotingSoap ExecuteSPLoadReportingEventAttributes OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPLoadReportingEventAttributes_OutputMessage"/>
</wsdl:operation>
```

3.1.4.132.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPLoadReportingEventAttributes_InputMessage	A WSDL message containing the request for the **ExecuteSPLoadReportingEventAttributes WSDL operation**.
ApiRemotingSoap_ExecuteSPLoadReportingEventAttributes_OutputMessage	A WSDL message containing the response for the **ExecuteSPLoadReportingEventAttributes** WSDL operation.

3.1.4.132.1.1 ApiRemotingSoap_ExecuteSPLoadReportingEventAttributes Input Message

The **ApiRemotingSoap_ExecuteSPLoadReportingEventAttributes_InputMessage WSDL message** contains the request for the **ExecuteSPLoadReportingEventAttributes WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPLoadReportingEventAttributesRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPLoadReportingEventAttributes InputMessage">
  <wsdl:part name="ExecuteSPLoadReportingEventAttributes"
element="tns:ExecuteSPLoadReportingEventAttributes"/>
</wsdl:message>
```

3.1.4.132.1.2 ApiRemotingSoap_ExecuteSPLoadReportingEventAttributes Output Message

The **ApiRemotingSoap_ExecuteSPLoadReportingEventAttributes_OutputMessage WSDL message** contains the response for the **ExecuteSPLoadReportingEventAttributes WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPLoadReportingEventAttributesResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPLoadReportingEventAttributes_OutputMessage">
  <wsdl:part name="ExecuteSPLoadReportingEventAttributesResponse"
element="tns:ExecuteSPLoadReportingEventAttributesResponse"/>
</wsdl:message>
```

3.1.4.132.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPLoadReportingEventAttributes	Contains the body for the request of the ExecuteSPLoadReportingEventAttributes WSDL operation.
ExecuteSPLoadReportingEventAttributesResponse	Contains the body for the response of the ExecuteSPLoadReportingEventAttributes WSDL operation.

3.1.4.132.2.1 ExecuteSPLoadReportingEventAttributes

This element contains the body of the ApiRemotingSoap_ ExecuteSPLoadReportingEventAttributes _InputMessage WSDL message defined in section 3.1.4.132.1.1. The format is defined in section 3.1.4.132.3.1.

```
<xsd:element name="ExecuteSPLoadReportingEventAttributes" nillable="true"
type="q1:ExecuteSPLoadReportingEventAttributesRequestBody"/>
```

3.1.4.132.2.2 ExecuteSPLoadReportingEventAttributesResponse

This element contains the body of the ApiRemotingSoap_ ExecuteSPLoadReportingEventAttributes _OutputMessage WSDL message defined in section 3.1.4.132.1.2. The format is defined in section 3.1.4.132.3.2.

```
<xsd:element name="ExecuteSPLoadReportingEventAttributesResponse" nillable="true"
type="tns:ExecuteSPLoadReportingEventAttributesResponseBody"/>
```

3.1.4.132.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPLoadReportingEventAttributesRequestBody	Contains the criteria to get the reporting event attributes list.
ExecuteSPLoadReportingEventAttributesResponseBody	Contains the list of reporting event attributes.

3.1.4.132.3.1 ExecuteSPLoadReportingEventAttributesRequestBody

Contains the criteria to get the reporting event attributes list. This complex type does not contain any data.

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```
<xsd:complexType name="ExecuteSPLoadReportingEventAttributesRequestBody"/>
```

3.1.4.132.3.2ExecuteSPLoadReportingEventAttributesResponseBody

Contains the list of reporting event attibutes.

```
<xsd:complexType name="ExecuteSPLoadReportingEventAttributesResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPLoadReportingEventAttributesResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPLoadReportingEventAttributesResult: This field MUST be present. It contains a list of reporting event attributes. The data type is defined in section ArrayofGenericReadableRow (section 2.2.4.3). Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The entries in that array SHOULD be interpreted as defined in section 2.2.4.12.1. The items in the array MUST contain the following information.

Index	Name	Type	Description
0	EventID	Small integer	This field MUST be present. It contains the event ID.
1	EventNamespaceID	Integer	This field MUST be present. It contains the ID of the event name space.
2	StateID	Integer	This field MUST be present. It contains the state ID.
3	SeverityID	Integer	This field MUST be present. It contains the severity ID.
4	LogLevel	Small integer	This field MUST be present. It contains the log level, where the default value is 1.

3.1.4.133 ExecuteSPDeclineUpdate

The ExecuteSPDeclineUpdate **WSDL operation** declines an update for the server identified by the specified GUID.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPDeclineUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeclineUpdateRequest"
name="ApiRemotingSoap_ExecuteSPDeclineUpdate_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPDeclineUpdate InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPDeclineUpdateResponse"
name="ApiRemotingSoap ExecuteSPDeclineUpdate OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPDeclineUpdate OutputMessage"/>
</wsdl:operation>
```


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3.1.4.133.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPDeclineUpdate_InputMessage	A WSDL message containing the request for the **ExecuteSPDeclineUpdate WSDL operation**.
ApiRemotingSoap_ExecuteSPDeclineUpdate_OutputMessage	A WSDL message containing the response for the **ExecuteSPDeclineUpdate** WSDL operation.

3.1.4.133.1.1 ApiRemotingSoap_ExecuteSPDeclineUpdate Input Message

The **ApiRemotingSoap_ExecuteSPDeclineUpdate_InputMessage WSDL message** contains the request for the **ExecuteSPDeclineUpdate WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeclineUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeclineUpdate_InputMessage">
  <wsdl:part name="ExecuteSPDeclineUpdate" element="tns:ExecuteSPDeclineUpdate"/>
</wsdl:message>
```

3.1.4.133.1.2 ApiRemotingSoap_ExecuteSPDeclineUpdate Output Message

The **ApiRemotingSoap_ExecuteSPDeclineUpdate_OutputMessage WSDL message** contains the response for the **ExecuteSPDeclineUpdate WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPDeclineUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPDeclineUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPDeclineUpdateResponse"
element="tns:ExecuteSPDeclineUpdateResponse"/>
</wsdl:message>
```

3.1.4.133.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPDeclineUpdate	Contains the body for the request of the ExecuteSPDeclineUpdate WSDL operation.
ExecuteSPDeclineUpdateResponse	Contains the body for the response of the ExecuteSPDeclineUpdate WSDL operation.

3.1.4.133.2.1 ExecuteSPDeclineUpdate

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This element contains the body of the ApiRemotingSoap_ ExecuteSPDeclineUpdate _InputMessage WSDL message defined in section 3.1.4.133.1.1. The format is defined in section 3.1.4.133.3.1.

```
<xsd:element name="ExecuteSPDeclineUpdate" nillable="true"
type="tns:ExecuteSPDeclineUpdateRequestBody"/>
```

3.1.4.133.2.2ExecuteSPDeclineUpdateResponse

This element contains the body of the ApiRemotingSoap_ ExecuteSPDeclineUpdate _OutputMessage WSDL message defined in section 3.1.4.133.1.2. The format is defined in section 3.1.4.133.3.2.

```
<xsd:element name="ExecuteSPDeclineUpdateResponse" nillable="true"
type="q1:ExecuteSPDeclineUpdateResponseBody"/>
```

3.1.4.133.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPDeclineUpdateRequestBody	Declines an update for a specified server and deletes all deployments.
ExecuteSPDeclineUpdateResponseBody	This complex type does not contain any data.

3.1.4.133.3.1ExecuteSPDeclineUpdateRequestBody

Declines an update for a specified server and deletes all deployments.

```
<xsd:complexType name="ExecuteSPDeclineUpdateRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="adminName" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="failIfReplica" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

updateId: This field MUST be present. It contains the unique ID of the update to decline. If the specified UpdateId is not found in the database, the server MUST send a SOAP fault as specified in section 3.1.4.1.

adminName: This field MUST be present. It contains the administrator name that is associated with the decline of the update.

failIfReplica: This field MUST be present. It specifies the replica mode of the server.

3.1.4.133.3.2ExecuteSPDeclineUpdateResponseBody

This complex type does not contain any data.

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```
<xsd:complexType name="ExecuteSPDeclineUpdateResponseBody"/>
```

3.1.4.134 ExecuteSPGetUpdateById

The ExecuteSPGetUpdateById **WSDL operation** is used to retrieve the update by using an updateRevisionId.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetUpdateById">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateByIdRequest"
name="ApiRemotingSoap ExecuteSPGetUpdateById InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdateById_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateByIdResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdateById_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetUpdateById OutputMessage"/>
</wsdl:operation>
```

This method uses the updateRevisionId to identify a particular revision of an update. If the updateRevisionId is not found in the database, the server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.134.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdateById_InputMessage	A WSDL message containing the request for the **ExecuteSPGetUpdateById WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdateById_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetUpdateById** WSDL operation.

3.1.4.134.1.1 ApiRemotingSoap_ExecuteSPGetUpdateById Input Message

The **ApiRemotingSoap_ExecuteSPGetUpdateById_InputMessage WSDL message** contains the request for the **ExecuteSPGetUpdateById WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateByIdRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdateById_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdateById" element="tns:ExecuteSPGetUpdateById"/>
</wsdl:message>
```

3.1.4.134.1.2 ApiRemotingSoap_ExecuteSPGetUpdateById Output Message

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The **ApiRemotingSoap_ExecuteSPGetUpdateById_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetUpdateById** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateByIdResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdateById_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdateByIdResponse"
element="tns:ExecuteSPGetUpdateByIdResponse"/>
</wsdl:message>
```

3.1.4.134.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetUpdateById	Contains the body for the request of the ExecuteSPGetUpdateById WSDL operation.
ExecuteSPGetUpdateByIdResponse	Contains the body for the response of the ExecuteSPGetUpdateById WSDL operation.

3.1.4.134.2.1 ExecuteSPGetUpdateById

This element contains the body of the WSDL message ApiRemotingSoap_ExecuteSPGetUpdateByIdResponse_InputMessage (section 3.1.4.134.1.1). The format is defined in section 3.1.4.134.3.1.

```
<xsd:element name="ExecuteSPGetUpdateById" nillable="true"
type="tns:ExecuteSPGetUpdateByIdRequestBody"/>
```

3.1.4.134.2.2 ExecuteSPGetUpdateByIdResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdateById_OutputMessage WSDL message defined in section 3.1.4.134.1.2. The format is defined in section 3.1.4.134.3.2.

```
<xsd:element name="ExecuteSPGetUpdateByIdResponse" nillable="true"
type="tns:ExecuteSPGetUpdateByIdResponseBody"/>
```

3.1.4.134.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdateByIdRequestBody	Contains the request to get an update for a specified updateRevisionId.
ExecuteSPGetUpdateByIdResponseBody	Contains the requested update.

3.1.4.134.3.1 ExecuteSPGetUpdateByIdRequestBody

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Contains the request to get an update for a specified update Id.

```
<xsd:complexType name="ExecuteSPGetUpdateByIdRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

id: This field MUST be present. It contains the updateRevisionId of the update to retrieve.

3.1.4.134.3.2ExecuteSPGetUpdateByIdResponseBody

Contains the requested update.

```
<xsd:complexType name="ExecuteSPGetUpdateByIdResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetUpdateByIdResult"
nillable="true" type="tns:CompleteUpdates"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdateByIdResult: This field MUST be present. It contains the requested updates. The data type is defined in section 2.2.4.9.

3.1.4.135 ExecuteSPGetUpdatesByCategory

The ExecuteSPGetUpdatesByCategory WSDL operation retrieves updates based on the category specified in the request.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetUpdatesByCategory">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesByCategoryRequest"
name="ApiRemotingSoap_ExecuteSPGetUpdatesByCategory_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesByCategory_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesByCategoryResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdatesByCategory_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesByCategory_OutputMessage"/>
</wsdl:operation>
```

3.1.4.135.1 Messages

This operation includes the following **WSDL messages**.

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Message	Description
ApiRemotingSoap_ExecuteSPGetUpdatesByCategory_InputMessage	A WSDL message containing the request for the **ExecuteSPGetUpdatesByCategory WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdatesByCategory_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetUpdatesByCategory** WSDL operation.

3.1.4.135.1.1 ApiRemotingSoap_ExecuteSPGetUpdatesByCategory Input Message

The **ApiRemotingSoap_ExecuteSPGetUpdatesByCategory_InputMessage WSDL message** contains the request for the **ExecuteSPGetUpdatesByCategory WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetUpdatesByCategoryRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesByCategory_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesByCategory"
element="tns:ExecuteSPGetUpdatesByCategory"/>
</wsdl:message>
```

3.1.4.135.1.2 ApiRemotingSoap_ExecuteSPGetUpdatesByCategory Output Message

The **ApiRemotingSoap_ExecuteSPGetUpdatesByCategory_OutputMessage WSDL message** contains the response for the **ExecuteSPGetUpdatesByCategory WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetUpdatesByCategoryResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesByCategory_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesByCategoryResponse"
element="tns:ExecuteSPGetUpdatesByCategoryResponse"/>
</wsdl:message>
```

3.1.4.135.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetUpdatesByCategory	Contains the request for the ExecuteSPGetUpdatesByCategory WSDL operation.
ExecuteSPGetUpdatesByCategoryResponse	Contains the response for the ExecuteSPGetUpdatesByCategory WSDL operation.

3.1.4.135.2.1 ExecuteSPGetUpdatesByCategory

This element contains the request body for the ExecuteSPGetUpdatesByCategory WSDL operation. The format is defined in section 3.1.4.135.3.1.

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```
<xsd:element name="ExecuteSPGetUpdatesByCategory" nillable="true"
type="tns:ExecuteSPGetUpdatesByCategoryRequestBody"/>
```

3.1.4.135.2.2 ExecuteSPGetUpdatesByCategoryResponse

This element contains the response body for the ExecuteSPGetUpdatesByCategory WSDL operation. The format is defined in section 3.1.4.135.3.2.

```
<xsd:element name="ExecuteSPGetUpdatesByCategoryResponse" nillable="true"
type="tns:ExecuteSPGetUpdatesByCategoryResponseBody"/>
```

3.1.4.135.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdatesByCategoryRequestBody	Contains the request to retrieve the updates.
ExecuteSPGetUpdatesByCategoryResponseBody	Contains the requested updates.

3.1.4.135.3.1 ExecuteSPGetUpdatesByCategoryRequestBody

Contains the request to retrieve the updates.

```
<xsd:complexType name="ExecuteSPGetUpdatesByCategoryRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="categoryId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="approvedStates" type="xsd:int"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateType" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="maxResultCount" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

categoryId: This field MUST be present. It contains the ID of the parent category.

approvedStates: This field MUST be present. It contains a bit mask summarizing the approved state of an update. This can take the following values.

Value	Name	Description
1	LatestRevisionApproved	Include updates for which the latest revsions are approved.
2	HasStaleUpdateApprovals	Include updates that have an approved revision that is not the latest

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Value	Name	Description
		revision.
4	NotApproved	Include updates that have not been approved or declined.
8	Declined	Include updates that have been declined.
0xFFFFFF	Any	Include any updates.

updateType: This field MUST be present. It is used to select the type of updates to retrieve. A value of NULL returns all updates.

maxResultCount: This field MUST be present. It contains the maximum number of results. The update server MUST NOT return more results than specified.

3.1.4.135.3.2ExecuteSPGetUpdatesByCategoryResponseBody

Contains the requested updates.

```
<xsd:complexType name="ExecuteSPGetUpdatesByCategoryResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetUpdatesByCategoryResult"
nillable="true" type="tns:CompleteUpdates"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdatesByCategoryResult: This field contains an array of table rows representing the updates. When no updates are found, a zero element array is returned. The data type is defined in section 2.2.4.9.

3.1.4.136 ExecuteSPSearchUpdates

The ExecuteSPSearchUpdates WSDL operation retrieves all of the updates that exist in the database.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPSearchUpdates">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSearchUpdatesRequest"
name="ApiRemotingSoap ExecuteSPSearchUpdates InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPSearchUpdates_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSearchUpdatesResponse"
name="ApiRemotingSoap ExecuteSPSearchUpdates OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPSearchUpdates OutputMessage"/>
</wsdl:operation>
```

3.1.4.136.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPSearchUpdates_InputMessage	A WSDL message containing the request

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Message	Description
	for the **ExecuteSPSearchUpdates** **WSDL operation**.
ApiRemotingSoap_ExecuteSPSearchUpdates_OutputMessage	A WSDL message containing the response for the **ExecuteSPSearchUpdates** WSDL operation.

3.1.4.136.1.1 ApiRemotingSoap_ExecuteSPSearchUpdates Input Message

The **ApiRemotingSoap_ExecuteSPSearchUpdates_InputMessage** **WSDL message** contains the request for the **ExecuteSPSearchUpdates** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSearchUpdatesRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPSearchUpdates InputMessage">
  <wsdl:part name="ExecuteSPSearchUpdates" element="tns:ExecuteSPSearchUpdates"/>
</wsdl:message>
```

3.1.4.136.1.2 ApiRemotingSoap_ExecuteSPSearchUpdates Output Message

The **ApiRemotingSoap_ExecuteSPSearchUpdates_OutputMessage** **WSDL message** contains the response for the **ExecuteSPSearchUpdates** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSearchUpdatesResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPSearchUpdates OutputMessage">
  <wsdl:part name="ExecuteSPSearchUpdatesResponse"
element="tns:ExecuteSPSearchUpdatesResponse"/>
</wsdl:message>
```

3.1.4.136.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPSearchUpdates	Contains the request for the ExecuteSPSearchUpdates WSDL operation.
ExecuteSPSearchUpdatesResponse	Contains the response for the ExecuteSPSearchUpdates WSDL operation.

3.1.4.136.2.1 ExecuteSPSearchUpdates

This element contains the request body for the ExecuteSPSearchUpdates WSDL operation. The format is defined in section 3.1.4.136.3.1.

```
<xsd:element name="ExecuteSPSearchUpdates" nillable="true"
type="tns:ExecuteSPSearchUpdatesRequestBody"/>
```


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3.1.4.136.2.2ExecuteSPSearchUpdatesResponse

This element contains the response body for the ExecuteSPSearchUpdates WSDL operation. The format is defined in section 3.1.4.136.3.2.

```
<xsd:element name="ExecuteSPSearchUpdatesResponse" nillable="true"
type="tns:ExecuteSPSearchUpdatesResponseBody"/>
```

3.1.4.136.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPSearchUpdatesRequestBody	Contains the criteria to get all of the existing updates.
ExecuteSPSearchUpdatesResponseBody	Contains all of the updates that exist in the database.

3.1.4.136.3.1ExecuteSPSearchUpdatesRequestBody

Contains the criteria to get all of the existing updates.

```
<xsd:complexType name="ExecuteSPSearchUpdatesRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateScopeXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="publicationState" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

updateScopeXml: This field MUST be present. This field specifies search criteria for the update to be returned by this operation. The format is specified in section 2.2.3.1.

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

publicationState: This field MUST be present. It specifies the PublicationState (section 2.2.5.2) of updates that are to be returned by this operation.

3.1.4.136.3.2ExecuteSPSearchUpdatesResponseBody

Contains all of the updates that exist in the database.

```
<xsd:complexType name="ExecuteSPSearchUpdatesResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPSearchUpdatesResult"
nillable="true" type="tns:CompleteUpdates"/>
  </xsd:sequence>
</xsd:complexType>
```


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ExecuteSPSearchUpdatesResult: This field MUST be present. It contains an array of objects representing the basic update information. The data type is defined in section 2.2.4.9.

3.1.4.137 ExecuteSPGetUpdateCount

The ExecuteSPGetUpdateCount WSDL operation returns the number of updates that match the specified criteria.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetUpdateCount">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateCountRequest"
name="ApiRemotingSoap_ExecuteSPGetUpdateCount_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetUpdateCount InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateCountResponse"
name="ApiRemotingSoap ExecuteSPGetUpdateCount OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetUpdateCount OutputMessage"/>
</wsdl:operation>
```

3.1.4.137.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdateCount_InputMessage	A WSDL message containing the request for the **ExecuteSPGetUpdateCount WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdateCount_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetUpdateCount** WSDL operation.

3.1.4.137.1.1 ApiRemotingSoap_ExecuteSPGetUpdateCount Input Message

The ApiRemotingSoap_ExecuteSPGetUpdateCount_InputMessage WSDL message contains the request for the ExecuteSPGetUpdateCount WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateCountRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdateCount_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdateCount" element="tns:ExecuteSPGetUpdateCount"/>
</wsdl:message>
```

3.1.4.137.1.2 ApiRemotingSoap_ExecuteSPGetUpdateCount Output Message

The ApiRemotingSoap_ExecuteSPGetUpdateCount_OutputMessage WSDL message contains the response for the ExecuteSPGetUpdateCount WSDL operation.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateCountResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdateCount_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdateCountResponse"
element="tns:ExecuteSPGetUpdateCountResponse"/>
</wsdl:message>
```

3.1.4.137.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetUpdateCount	Contains the body for the request of the ExecuteSPGetUpdateCount WSDL operation.
ExecuteSPGetUpdateCountResponse	Contains the body for the response of the ExecuteSPGetUpdateCount WSDL operation.

3.1.4.137.2.1 ExecuteSPGetUpdateCount

This element contains the body of the ApiRemotingSoap_ ExecuteSPGetUpdateCount _InputMessage WSDL message defined in section 3.1.4.137.1.1. The format is defined in section 3.1.4.137.3.1.

```
<xsd:element name="ExecuteSPGetUpdateCount" nillable="true"
type="tns:ExecuteSPGetUpdateCountRequestBody"/>
```

3.1.4.137.2.2 ExecuteSPGetUpdateCountResponse

This element contains the body of the ApiRemotingSoap_ ExecuteSPGetUpdateCount _OutputMessage WSDL message defined in section 3.1.4.137.1.2. The format is defined in section 3.1.4.137.3.2.

```
<xsd:element name="ExecuteSPGetUpdateCountResponse" nillable="true"
type="tns:ExecuteSPGetUpdateCountResponseBody"/>
```

3.1.4.137.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdateCountRequestBody	Contains the request to get the number of updates.
ExecuteSPGetUpdateCountResponseBody	Contains the number of updates.

3.1.4.137.3.1 ExecuteSPGetUpdateCountRequestBody

Contains the request to get the number of updates.

```
<xsd:complexType name="ExecuteSPGetUpdateCountRequestBody">
  <xsd:sequence>
```


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```
    <xsd:element minOccurs="0" maxOccurs="1" name="updateScopeXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="publicationState" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

updateScopeXml: This field MUST be present. It contains the XML text that specifies the search filters for selecting updates. The format is specified in section 2.2.3.1.

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

publicationState: This field MUST be present. It specifies the PublicationState (section 2.2.5.2) of the updates that are to be returned.

3.1.4.137.3.2ExecuteSPGetUpdateCountResponseBody

Contains the number of updates.

```
<xsd:complexType name="ExecuteSPGetUpdateCountResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="ExecuteSPGetUpdateCountResult"
type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdateCountResult: This field MUST be present. It contains the number of updates that match the specified criteria.

3.1.4.138 ExecuteSPGetSummariesPerComputer

The **ExecuteSPGetSummariesPerComputer** **WSDL operation** retrieves per-computer summary information for each of the specified computers, summarized across all of the specified updates.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetSummariesPerComputer">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetSummariesPerComputerRequest"
name="ApiRemotingSoap_ExecuteSPGetSummariesPerComputer_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetSummariesPerComputer_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetSummariesPerComputerResponse"
name="ApiRemotingSoap ExecuteSPGetSummariesPerComputer OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetSummariesPerComputer_OutputMessage"/>
</wsdl:operation>
```

3.1.4.138.1 Messages

This operation includes the following **WSDL messages**.

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Message	Description
ApiRemotingSoap_ExecuteSPGetSummariesPerComputer_InputMessage	A WSDL message containing the request for the **ExecuteSPGetSummariesPerComputer** **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetSummariesPerComputer_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetSummariesPerComputer** WSDL operation.

3.1.4.138.1.1 ApiRemotingSoap_ExecuteSPGetSummariesPerComputer Input Message

The **ApiRemotingSoap_ExecuteSPGetSummariesPerComputer_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetSummariesPerComputer** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetSummariesPerComputerRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetSummariesPerComputer_InputMessage">
  <wsdl:part name="ExecuteSPGetSummariesPerComputer"
element="tns:ExecuteSPGetSummariesPerComputer"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.138.2.1.

3.1.4.138.1.2 ApiRemotingSoap_ExecuteSPGetSummariesPerComputer Output Message

The **ApiRemotingSoap_ExecuteSPGetSummariesPerComputer_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetSummariesPerComputer** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetSummariesPerComputerResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetSummariesPerComputer_OutputMessage">
  <wsdl:part name="ExecuteSPGetSummariesPerComputerResponse"
element="tns:ExecuteSPGetSummariesPerComputerResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.138.2.2.

3.1.4.138.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetSummariesPerComputer	Contains the body for the request of the **ExecuteSPGetSummariesPerComputer** **WSDL operation**.
ExecuteSPGetSummariesPerComputerResponse	Contains the body for the response of the **ExecuteSPGetSummariesPerComputer** WSDL operation.

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3.1.4.138.2.1 ExecuteSPGetSummariesPerComputer

This element contains the body of the request for the **ExecuteSPGetSummariesPerComputer WSDL operation**. The format is defined in section 3.1.4.138.3.1.

```
<xsd:element name="ExecuteSPGetSummariesPerComputer" nillable="true"
type="tns:ExecuteSPGetSummariesPerComputerRequestBody"/>
```

3.1.4.138.2.2 ExecuteSPGetSummariesPerComputerResponse

This element contains the body of the response for the **ExecuteSPGetSummariesPerComputer WSDL operation**. The format is defined in section 3.1.4.138.3.2.

```
<xsd:element name="ExecuteSPGetSummariesPerComputerResponse" nillable="true"
type="tns:ExecuteSPGetSummariesPerComputerResponseBody"/>
```

3.1.4.138.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetSummariesPerComputerRequestBody	Describes for which updates and which computers summary information is to be retrieved.
ExecuteSPGetSummariesPerComputerResponseBody	Contains the summary information.

3.1.4.138.3.1 ExecuteSPGetSummariesPerComputerRequestBody

Describes for which updates and which computers summary information is to be retrieved.

```
<xsd:complexType name="ExecuteSPGetSummariesPerComputerRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateScopeXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerTargetScopeXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="publicationState" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

computerTargetScopeXml: This field MUST be present. It is defined in section 2.2.3.2.

preferredCulture: This field MUST be present. See PreferredCulture Simple Type (section 2.2.5.5).

publicationState: This field MUST be present. It represents the publication state of updates that are to be included in the summary information. For more information, see PublicationState Enumeration (section 2.2.5.2).

updateScopeXml: This field MUST be present. It represents an Update Search Scope XML fragment, defined in section 2.2.5.1, that specifies which updates are to be included in the summary information.

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3.1.4.138.3.2 ExecuteSPGetSummariesPerComputerResponseBody

Contains the summary information.

```
<xsd:complexType name="ExecuteSPGetSummariesPerComputerResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetSummariesPerComputerResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetSummariesPerComputerResult: This field MUST be present. The data type is **ArrayOfGenericReadableRow** (section 2.2.4.3). Each entry in that array is of type **GenericReadableRow** (section 2.2.4.12). Each row MUST contain the following information:

Index	Name	Type	Description
0	**UpdateId**	**GUID**	It contains the **GUID** of one of the updates, which has the installation status as defined by the **SummarizationState** field. The server returns any update ID that matches the search criteria specified by the request message as defined in section 3.1.4.138.3.2.
1	**TargetGroupId**	**GUID**	It contains the **GUID** of one of the target groups to which an update has been associated with, and for which the update has an installation status as defined by the **SummarizationState** field. The server returns any category ID that matches the search criteria specified by the request message as defined in section 3.1.4.138.3.2.
3	**ComputerId**	**String**	This field contains the ID of the computer, for which summary information is returned. The **ComputerId** simple type is defined in section 2.2.5.4.
4	**SummarizationState**	**UpdateInstallationState**	The **UpdateInstallationState** enumeration is defined in section 2.2.5.1.
5	**Count**	**Integer**	The total number of updates which have the **UpdateInstallationState** value as described by the **SummarizationState** field and which are assigned to the computer identified by the **ComputerId** field.
6	**LastUpdated**	**DateTime**	Contains the date and time when this summary was last updated. The time is specified in **UTC**.

3.1.4.139 ExecuteSPGetSummariesPerUpdate_SingleUpdate

The ExecuteSPGetSummariesPerUpdate_SingleUpdate **WSDL operation** returns the update summary for a specified update.

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This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetSummariesPerUpdate_SingleUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetSummariesPerUpdate SingleUpdateRequest"
name="ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetSummariesPerUpdate_SingleUpdateResponse"
name="ApiRemotingSoap ExecuteSPGetSummariesPerUpdate SingleUpdate OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate_OutputMessage"/>
</wsdl:operation>
```

3.1.4.139.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate_InputMessage	A WSDL message containing the request for the **ExecuteSPGetSummariesPerUpdate_SingleUpdate WSDL operation**.
ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetSummariesPerUpdate_SingleUpdate** WSDL operation.

3.1.4.139.1.1 ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate Input Message

The **ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate_InputMessage WSDL message** contains the request for the **ExecuteSPGetSummariesPerUpdate_SingleUpdate WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetSummariesPerUpdate_SingleUpdateRequest
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetSummariesPerUpdate_SingleUpdate"
element="tns:ExecuteSPGetSummariesPerUpdate_SingleUpdate"/>
</wsdl:message>
```

3.1.4.139.1.2 ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate Output Message

The **ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate_OutputMessage WSDL message** contains the response for the **ExecuteSPGetSummariesPerUpdate_SingleUpdate WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetSummariesPerUpdate_SingleUpdateResponse
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetSummariesPerUpdate SingleUpdateResponse"
element="tns:ExecuteSPGetSummariesPerUpdate_SingleUpdateResponse"/>
</wsdl:message>
```

3.1.4.139.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetSummariesPerUpdate_SingleUpdate	Contains the body for the request of the ExecuteSPGetSummariesPerUpdate_SingleUpdate WSDL operation.
ExecuteSPGetSummariesPerUpdate_SingleUpdateResponse	Contains the body for the response of the ExecuteSPGetSummariesPerUpdate_SingleUpdate WSDL operation.

3.1.4.139.2.1 ExecuteSPGetSummariesPerUpdate_SingleUpdate

This element contains the body of the ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate_InputMessage WSDL message defined in section 3.1.4.139.1.1. The format is defined in section 3.1.4.139.3.1.

```
<xsd:element name="ExecuteSPGetSummariesPerUpdate_SingleUpdate" nillable="true"
type="tns:ExecuteSPGetSummariesPerUpdate_SingleUpdateRequestBody"/>
```

3.1.4.139.2.2 ExecuteSPGetSummariesPerUpdate_SingleUpdateResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_SingleUpdate_output WSDL message defined in section 3.1.4.139.1.2. The format is defined in section 3.1.4.139.3.2.

```
<xsd:element name="ExecuteSPGetSummariesPerUpdate SingleUpdateResponse" nillable="true"
type="tns:ExecuteSPGetSummariesPerUpdate_SingleUpdateResponseBody"/>
```

3.1.4.139.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetSummariesPerUpdate_SingleUpdateRequestBody	Contains the criteria to obtain the summary for a specified update.
ExecuteSPGetSummariesPerUpdate_SingleUpdateResponseBody	Contains the summary for the specified update.

3.1.4.139.3.1 ExecuteSPGetSummariesPerUpdate_SingleUpdateRequestBody

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Contains the criteria to obtain the summary for a specified update.

```
<xsd:complexType name="ExecuteSPGetSummariesPerUpdate_SingleUpdateRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerTargetScopeXml" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

updateId: This field MUST be present. It contains the unique ID of the update. If the specified **updateId** field is not found in the database, the server MUST send a SOAP fault as specified in section 3.1.4.1.

computerTargetScopeXml: This field MUST be present. It specifies search criteria for client computers that are to be included in the update summary. The format of this field is specified in section 2.2.3.2.

3.1.4.139.3.2ExecuteSPGetSummariesPerUpdate_SingleUpdateResponseBody

Contains the summary for the specified update.

```
<xsd:complexType name="ExecuteSPGetSummariesPerUpdate_SingleUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetSummariesPerUpdate_SingleUpdateResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetSummariesPerUpdate_SingleUpdateResult: This field MUST be present. It contains the summary information for the specified update. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The items in the array MUST contain the following information.

Index	Name	Type	Description
0	UpdateID	GUID	This field MUST be present. It contains the update identifier.
1	TargetGroupID	String	This field MUST be present. It contains the Target group Identifier.
2	ComputerID	String	This field MUST be present. It contains the computer ID.
3	SummarizationState	Integer	This field MUST be present. It contains the summarization state for the update.
4	Count	Integer	This field MUST be present. It contains the number of updates.
5	LastUpdated	DateTime	If present, this field contains the date and time of the last update.

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3.1.4.140 ExecuteSPGetSummariesPerUpdate

The ExecuteSPGetSummariesPerUpdate **WSDL operation** returns a per-update summary for each specified update. The summary is aggregated across all client computers that fall into the specified search scope and to which the specified update applies.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetSummariesPerUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetSummariesPerUpdateRequest"
name="ApiRemotingSoap ExecuteSPGetSummariesPerUpdate InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetSummariesPerUpdateResponse"
name="ApiRemotingSoap ExecuteSPGetSummariesPerUpdate OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_OutputMessage"/>
</wsdl:operation>
```

If the specified updateId is not found in the database, the server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.140.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_InputMessage	A WSDL message containing the request for the ExecuteSPGetSummariesPerUpdate WSDL operation.
ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_OutputMessage	A WSDL message containing the response for the ExecuteSPGetSummariesPerUpdate WSDL operation.

3.1.4.140.1.1 ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate Input Message

The **ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_InputMessage WSDL message** contains the request for the **ExecuteSPGetSummariesPerUpdate WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetSummariesPerUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetSummariesPerUpdate"
element="tns:ExecuteSPGetSummariesPerUpdate"/>
</wsdl:message>
```

3.1.4.140.1.2 ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate Output Message

The **ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_OutputMessage WSDL message** contains the response for the **ExecuteSPGetSummariesPerUpdate WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetSummariesPerUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetSummariesPerUpdateResponse"
element="tns:ExecuteSPGetSummariesPerUpdateResponse"/>
</wsdl:message>
```

3.1.4.140.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetSummariesPerUpdate	Contains the body for the request of the ExecuteSPGetSummariesPerUpdate WSDL operation.
ExecuteSPGetSummariesPerUpdateResponse	Contains the body for the response of the ExecuteSPGetSummariesPerUpdate WSDL operation.

3.1.4.140.2.1 ExecuteSPGetSummariesPerUpdate

This element contains the body of the ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_InputMessage WSDL message defined in section 3.1.4.140.1.1. The format is defined in section 3.1.4.140.3.1.

```
<xsd:element name="ExecuteSPGetSummariesPerUpdate" nillable="true"
type="tns:ExecuteSPGetSummariesPerUpdateRequestBody"/>
```

3.1.4.140.2.2 ExecuteSPGetSummariesPerUpdateResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetSummariesPerUpdate_OutputMessage WSDL message defined in section 3.1.4.140.1.2. The format is defined in section 3.1.4.140.3.2.

```
<xsd:element name="ExecuteSPGetSummariesPerUpdateResponse" nillable="true"
type="tns:ExecuteSPGetSummariesPerUpdateResponseBody"/>
```

3.1.4.140.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetSummariesPerUpdateRequestBody	Contains the request to obtain the summaries for each update.
ExecuteSPGetSummariesPerUpdateResponseBody	Contains the summary for each update.

3.1.4.140.3.1 ExecuteSPGetSummariesPerUpdateRequestBody

Contains the request to obtain the summaries for each update.

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```
<xsd:complexType name="ExecuteSPGetSummariesPerUpdateRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateScopeXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerTargetScopeXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="publicationState" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

updateScopeXml: This field MUST be present. It contains the XML text that specifies the search filters for selecting updates.

computerTargetScopeXml: This field MUST be present. It specifies a set of computers that are included in the summary. The format of this field is specified in section 2.2.3.2.

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

publicationState: This field MUST be present. The update server MUST only include updates in the summary that have the specified PublicationState (section 2.2.5.2).

3.1.4.140.3.2ExecuteSPGetSummariesPerUpdateResponseBody

Contains the summary for each update.

```
<xsd:complexType name="ExecuteSPGetSummariesPerUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetSummariesPerUpdateResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetSummariesPerUpdateResult: This field MUST be present. It contains information for each of the specified updates. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The items in the array MUST contain the following information.

Index	Name	Type	Description
0	UpdateID	GUID	This field MUST be present. It contains the update identifier.
1	TargetGroupID	String	This field MUST be present. It contains the Target group identifier.
2	ComputerID	String	This field MUST be present. It contains the computer ID.
3	SummarizationState	Integer	This field MUST be present. It contains the summarization state for the update.
4	Count	Integer	This field MUST be present. It contains the number of updates.
5	LastUpdated	DateTime	If present, this field contains the date and time of the last

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Index	Name	Type	Description
			update.

3.1.4.141 ExecuteSPGetTotalUpdateSummaryForTargetGroup

The ExecuteSPGetTotalUpdateSummaryForTargetGroup **WSDL operation** returns summary information about the total number of updates in a specific installation status deployed to the specified **target group**, and subtarget groups, if specified.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetTotalUpdateSummaryForTargetGroup">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTotalUpdateSummaryForTargetGroupRequest"
name="ApiRemotingSoap_ExecuteSPGetTotalUpdateSummaryForTargetGroup_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetTotalUpdateSummaryForTargetGroup_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTotalUpdateSummaryForTargetGroupResponse"
name="ApiRemotingSoap ExecuteSPGetTotalUpdateSummaryForTargetGroup OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetTotalUpdateSummaryForTargetGroup_OutputMessage"/>
</wsdl:operation>
```

3.1.4.141.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetTotalUpdateSummaryForTargetGroup_InputMessage	A **WSDL message** containing the request for the **ExecuteSPGetTotalUpdateSummaryForTargetGroup WSDL operation**.
ApiRemotingSoap_ExecuteSPGetTotalUpdateSummaryForTargetGroup_OutputMessage	A **WSDL message** containing the response for the **ExecuteSPGetTotalUpdateSummaryForTargetGroup** WSDL operation.

3.1.4.141.1.1 ApiRemotingSoap_ExecuteSPGetTotalUpdateSummary For Target Group Input Message

The **ApiRemotingSoap_ExecuteSPGetTotalUpdateSummaryForTargetGroup_InputMessage WSDL message** contains the request for the **ExecuteSPGetTotalUpdateSummaryForTargetGroup WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTotalUpdateSummaryForTargetGroupRequest
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetTotalUpdateSummaryForTargetGroup_InputMessage">
  <wsdl:part name="ExecuteSPGetTotalUpdateSummaryForTargetGroup"
element="tns:ExecuteSPGetTotalUpdateSummaryForTargetGroup"/>
```


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```
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.141.2.1.

3.1.4.141.1.2 ApiRemotingSoap_ExecuteSPGetTotalUpdateSummary For Target Group Output Message

The **ApiRemotingSoap_ExecuteSPGetTotalUpdateSummaryForTargetGroup_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetTotalUpdateSummaryForTargetGroup** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTotalUpdateSummaryForTargetGroupResponse
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetTotalUpdateSummaryForTargetGroup_OutputMessage">
  <wsdl:part name="ExecuteSPGetTotalUpdateSummaryForTargetGroupResponse"
element="tns:ExecuteSPGetTotalUpdateSummaryForTargetGroupResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.141.2.2.

3.1.4.141.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetTotalUpdateSummaryForTargetGroup	Contains the body for the request of the **ExecuteSPGetTotalUpdateSummaryForTargetGroup** **WSDL operation**.
ExecuteSPGetTotalUpdateSummaryForTargetGroupResponse	Contains the body for the response of the **ExecuteSPGetTotalUpdateSummaryForTargetGroup** WSDL operation.

3.1.4.141.2.1 ExecuteSPGetTotalUpdateSummaryForTargetGroup

This element contains the body of the request for the **ExecuteSPGetTotalUpdateSummaryForTargetGroup** **WSDL operation**. The format is defined in section 3.1.4.141.3.1.

```
<xsd:element name="ExecuteSPGetTotalUpdateSummaryForTargetGroup" nillable="true"
type="tns:ExecuteSPGetTotalUpdateSummaryForTargetGroupRequestBody"/>
```

3.1.4.141.2.2 ExecuteSPGetTotalUpdateSummaryForTargetGroupResponse

This element contains the body of the response for the **ExecuteSPGetTotalUpdateSummaryForTargetGroup** **WSDL operation**. The format is defined in section 3.1.4.141.3.2.

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```
<xsd:element name="ExecuteSPGetTotalUpdateSummaryForTargetGroupResponse" nillable="true"
type="tns:ExecuteSPGetTotalUpdateSummaryForTargetGroupResponseBody"/>
```

3.1.4.141.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetTotalUpdateSummaryForTargetGroupRequestBody	Specifies the **target group** for which summary information is retrieved.
ExecuteSPGetTotalUpdateSummaryForTargetGroupResponseBody	Contains the installation summary information.

3.1.4.141.3.1 ExecuteSPGetTotalUpdateSummaryForTargetGroupRequestBody

Specifies the **target group** for which summary information is retrieved.

```
<xsd:complexType name="ExecuteSPGetTotalUpdateSummaryForTargetGroupRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="includeSubgroups" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

includeSubgroups: This field MUST be present. It specifies whether or not subtarget groups are to be included in the result.

targetGroupId: This field MUST be present. It contains the **GUID** of the target group. If the target group does not exist, the **update server** MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.141.3.2 ExecuteSPGetTotalUpdateSummaryForTargetGroupResponseBody

Contains the installation summary information.

```
<xsd:complexType name="ExecuteSPGetTotalUpdateSummaryForTargetGroupResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetTotalUpdateSummaryForTargetGroupResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetTotalUpdateSummaryForTargetGroupResult: This field MUST be present. It contains the rows representing the counts summed across all of the updates deployed to the specified target group for all of the computers in the target group. It contains an array of type GenericReadableRow (section 2.2.4.12), where each such array represents the total number of updates in a particular state. The entries in that array MUST contain the following information:

Index	Name	Type	Description
0	**UpdateId**	**GUID**	This field contains the GUID of one of the updates, which has the installation status

[MS-WSUSAR] - v20171201
Windows Server Update Services: Administrative API Remoting Protocol (WSUSAR)
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Release: December 1, 2017

Index	Name	Type	Description
			as defined by the **SummarizationState** field. The server returns any **updateId** for which the update is associated with the specified category, and the update has the **SummarizationState** on at least one computer for which the update has been approved.
1	**TargetGroupId**	**GUID**	This field contains the GUID of the specified target group or, if the **includeSubgroups** field is set to TRUE, one of the specified target group's subgroups.
3	**ComputerId**	**String**	This field contains the ID of one of the computers, for which an update has been approved, and for which the update has the installation status as described by the **SummarizationState** field. The server returns any computer ID that matches the **TargetGroupId**. The **ComputerId** simple type is defined in section 2.2.5.4.
4	**SummarizationState**	**UpdateInstallationState**	See UpdateInstallationState Enumeration (section 2.2.5.1).
5	**Count**	**Integer**	The total number of updates that have the status as defined by the **SummarizationState** field and that are assigned to the specified target group.
6	**LastUpdated**	**DateTime**	Contains the date and time when this summary was last updated. The time is specified in UTC.

3.1.4.142 ExecuteSPGetUpdateSummariesForTargetGroup

The ExecuteSPGetUpdateSummariesForTargetGroup **WSDL operation** retrieves update installation summary information for the specified **target group**, and subtarget groups, if specified.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetUpdateSummariesForTargetGroup">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateSummariesForTargetGroupRequest"
name="ApiRemotingSoap_ExecuteSPGetUpdateSummariesForTargetGroup_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetUpdateSummariesForTargetGroup InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateSummariesForTargetGroupResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdateSummariesForTargetGroup_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdateSummariesForTargetGroup_OutputMessage"/>
</wsdl:operation>
```

3.1.4.142.1 Messages

This operation includes the following **WSDL messages**.

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Message	Description
ApiRemotingSoap_ExecuteSPGetUpdateSummariesForTargetGroup_InputMessage	A WSDL message containing the request for the **ExecuteSPGetUpdateSummariesForTargetGroup** **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdateSummariesForTargetGroup_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetUpdateSummariesForTargetGroup** WSDL operation.

3.1.4.142.1.1 ApiRemotingSoap_ExecuteSPGetUpdateSummaries For Target Group Input Message

The **ApiRemotingSoap_ExecuteSPGetUpdateSummariesForTargetGroup_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetUpdateSummariesForTargetGroup** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetUpdateSummariesForTargetGroupRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdateSummariesForTargetGroup_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdateSummariesForTargetGroup"
element="tns:ExecuteSPGetUpdateSummariesForTargetGroup"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.142.2.1.

3.1.4.142.1.2 ApiRemotingSoap_ExecuteSPGetUpdateSummaries For Target Group Output Message

The **ApiRemotingSoap_ExecuteSPGetUpdateSummariesForTargetGroup_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetUpdateSummariesForTargetGroup** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/ExecuteSPGetUpdateSummariesForTargetGroupResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdateSummariesForTargetGroup_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdateSummariesForTargetGroupResponse"
element="tns:ExecuteSPGetUpdateSummariesForTargetGroupResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.142.2.2.

3.1.4.142.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetUpdateSummariesForTargetGroup	Contains the body for the request of the **ExecuteSPGetUpdateSummariesForTargetGroup**

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Element	Description
	WSDL operation.
ExecuteSPGetUpdateSummariesForTargetGroupResponse	Contains the body for the response of the **ExecuteSPGetUpdateSummariesForTargetGroup** WSDL operation.

3.1.4.142.2.1 ExecuteSPGetUpdateSummariesForTargetGroup

This element contains the body of the request for the **ExecuteSPGetUpdateSummariesForTargetGroup** **WSDL operation**. The format is defined in section 3.1.4.142.3.1.

```
<xsd:element name="ExecuteSPGetUpdateSummariesForTargetGroup" nillable="true"
type="tns:ExecuteSPGetUpdateSummariesForTargetGroupRequestBody"/>
```

3.1.4.142.2.2 ExecuteSPGetUpdateSummariesForTargetGroupResponse

This element contains the body of the response for the **ExecuteSPGetUpdateSummariesForTargetGroup** **WSDL operation**. The format is defined in section 3.1.4.142.3.2.

```
<xsd:element name="ExecuteSPGetUpdateSummariesForTargetGroupResponse" nillable="true"
type="tns:ExecuteSPGetUpdateSummariesForTargetGroupResponseBody"/>
```

3.1.4.142.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdateSummariesForTargetGroupRequestBody	Specifies the target group for which summary information is returned.
ExecuteSPGetUpdateSummariesForTargetGroupResponseBody	Contains the summary information.

3.1.4.142.3.1 ExecuteSPGetUpdateSummariesForTargetGroupRequestBody

Specifies the **target group** for which summary information is returned.

```
<xsd:complexType name="ExecuteSPGetUpdateSummariesForTargetGroupRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="includeSubgroups" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

targetGroupId: This field MUST be present. It contains the **GUID** of the target group. If the target group does not exist, the **update server** MUST send a SOAP fault as specified in section 3.1.4.1.

includeSubgroups: This field MUST be present. It specifies whether or not subtarget groups are to be included in the result.

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3.1.4.142.3.2 ExecuteSPGetUpdateSummariesForTargetGroupResponseBody

Contains the summary information.

```
<xsd:complexType name="ExecuteSPGetUpdateSummariesForTargetGroupResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetUpdateSummariesForTargetGroupResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdateSummariesForTargetGroupResult: This field MUST be present. It contains the rows representing the counts per update deployed to the specified **target group**, summed across all of the computers in the target group. The data type is ArrayOfGenericReadableRow (section 2.2.4.3). Each entry in that array is of type GenericReadableRow (section 2.2.4.12). Each row MUST contain the following information:

Index	Name	Type	Description
0	**UpdateId**	**GUID**	Contains the **GUID** of the update, which has the installation status as defined by the **SummarizationState** field.
1	**TargetGroupId**	**GUID**	This field contains the GUID of the specified target group or, if the **includeSubgroups** field is set to TRUE, one of the specified target group's subgroups.
3	**ComputerId**	**String**	This field contains the ID of one of the computers, for which this update has been approved, and for which the update installation status is as described by the **SummarizationState** field. The server returns any computer ID that matches the **TargetGroupId** from the request message. The **ComputerId** simple type is defined in section 2.2.5.4.
4	**SummarizationState**	**UpdateInstallationState**	The **UpdateInstallationState** enumeration is defined in section 2.2.5.1.
5	**Count**	**Integer**	The total number of computers for which the update has the installation status as described by the **SummarizationState** field.
6	**LastUpdated**	**DateTime**	Contains the date and time when this summary was last updated. The time is specified in **UTC**.

3.1.4.143 ExecuteSPGetComputerSummariesForTargetGroup

The ExecuteSPGetComputerSummariesForTargetGroup **WSDL operation** retrieves the installation status per client computer for a specified target group, and subtarget groups, if specified.

This operation is specified by the following WSDL.

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```
<wsdl:operation name="ExecuteSPGetComputerSummariesForTargetGroup">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputerSummariesForTargetGroupRequest"
name="ApiRemotingSoap ExecuteSPGetComputerSummariesForTargetGroup InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComputerSummariesForTargetGroup_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputerSummariesForTargetGroupResponse"
name="ApiRemotingSoap ExecuteSPGetComputerSummariesForTargetGroup OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComputerSummariesForTargetGroup_OutputMessage"/>
</wsdl:operation>
```

If the specified **TargetGroupId** is not found in the database, the server MUST send a **SOAP fault** as specified in section 3.1.4.1.

3.1.4.143.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetComputerSummariesForTargetGroup_InputMessage	A WSDL message containing the request for the **ExecuteSPGetComputerSummariesForTargetGroup WSDL operation**.
ApiRemotingSoap_ExecuteSPGetComputerSummariesForTargetGroup_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetComputerSummariesForTargetGroup** WSDL operation.

3.1.4.143.1.1 ApiRemotingSoap_ExecuteSPGetComputerSummaries For Target Group Input Message

The **ApiRemotingSoap_ExecuteSPGetComputerSummariesForTargetGroup_InputMessage WSDL message** contains the request for the **ExecuteSPGetComputerSummariesForTargetGroup WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputerSummariesForTargetGroupRequest
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetComputerSummariesForTargetGroup_InputMessage">
  <wsdl:part name="ExecuteSPGetComputerSummariesForTargetGroup"
element="tns:ExecuteSPGetComputerSummariesForTargetGroup"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.143.2.1.

3.1.4.143.1.2 ApiRemotingSoap_ExecuteSPGetComputerSummaries For Target Group Output Message

The **ApiRemotingSoap_ExecuteSPGetComputerSummariesForTargetGroup_OutputMessage WSDL message** contains the response for the **ExecuteSPGetComputerSummariesForTargetGroup WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputerSummariesForTargetGroupResponse
<wsdl:message
name="ApiRemotingSoap ExecuteSPGetComputerSummariesForTargetGroup OutputMessage">
  <wsdl:part name="ExecuteSPGetComputerSummariesForTargetGroupResponse"
element="tns:ExecuteSPGetComputerSummariesForTargetGroupResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.143.2.2.

3.1.4.143.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetComputerSummariesForTargetGroup	Contains the body for the request of the **ExecuteSPGetComputerSummariesForTargetGroup WSDL operation**.
ExecuteSPGetComputerSummariesForTargetGroupResponse	Contains the body for the response of the **ExecuteSPGetComputerSummariesForTargetGroup** WSDL operation.

3.1.4.143.2.1 ExecuteSPGetComputerSummariesForTargetGroup

This element contains the body of the request for the **ExecuteSPGetComputerSummariesForTargetGroup WSDL operation**. The format is defined in section 3.1.4.143.3.1.

```
<xsd:element name="ExecuteSPGetComputerSummariesForTargetGroup" nillable="true"
type="tns:ExecuteSPGetComputerSummariesForTargetGroupRequestBody"/>
```

3.1.4.143.2.2 ExecuteSPGetComputerSummariesForTargetGroupResponse

This element contains the body of the response for the **ExecuteSPGetComputerSummariesForTargetGroup WSDL operation**. The format is defined in section 3.1.4.143.3.2.

```
<xsd:element name="ExecuteSPGetComputerSummariesForTargetGroupResponse" nillable="true"
type="tns:ExecuteSPGetComputerSummariesForTargetGroupResponseBody"/>
```

3.1.4.143.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetComputerSummariesForTargetGroupRequestBody	Contains the **target group** for which per-computer installation summary information is retrieved.

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Complex type	Description
ExecuteSPGetComputerSummariesForTargetGroupResponseBody	Contains the installation summary information.

3.1.4.143.3.1 ExecuteSPGetComputerSummariesForTargetGroupRequestBody

Contains the **target group** for which per-computer installation summary information is retrieved.

```
<xsd:complexType name="ExecuteSPGetComputerSummariesForTargetGroupRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="includeSubgroups" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

targetGroupId: This field MUST be present. It contains the **GUID** of the target group. If the target group does not exist, the **update server** MUST send a SOAP fault as specified in section 3.1.4.1.

includeSubgroups: This field MUST be present. It specifies whether or not subtarget groups are to be included in the result.

3.1.4.143.3.2 ExecuteSPGetComputerSummariesForTargetGroupResponseBody

Contains the installation summary information.

```
<xsd:complexType name="ExecuteSPGetComputerSummariesForTargetGroupResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetComputerSummariesForTargetGroupResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetComputerSummariesForTargetGroupResult: This field MUST be present. It contains the rows representing the counts per computer in the specified **target group**, summed across all of the updates deployed to the targetgGroup. The data type is ArrayOfGenericReadableRow (section 2.2.4.3). Each entry in that array is of type GenericReadableRow (section 2.2.4.12). Each row MUST contain the following information for each computer.

Index	Name	Type	Description
0	**UpdateId**	**GUID**	This field contains the **GUID** of one update, which has the installation status as defined by the **SummarizationState** field. The server returns any update ID that matches the TargetGroupId from the request message.
1	**TargetGroupId**	**GUID**	This field contains the GUID of the specified target group.
3	**ComputerId**	**String**	This field contains the ID of the computer, for which summary information is returned.

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Index	Name	Type	Description
4	**SummarizationState**	**UpdateInstallationState**	The **UpdateInstallationState** enumeration is defined in section 2.2.5.1.
5	**Count**	**Integer**	The total number of updates which have the value of **UpdateInstallationState** as described by the **SummarizationState** field and which are assigned to the computer identified by the **ComputerId** field and which are assigned to the target group identified by the **TargetGroupId** field.

3.1.4.144 ExecuteSPGetTargetGroupSummariesForUpdate

The ExecuteSPGetTargetGroupSummariesForUpdate WSDL returns the installation status of each **target group** for all revisions of the specified update.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetTargetGroupSummariesForUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTargetGroupSummariesForUpdateRequest"
name="ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTargetGroupSummariesForUpdateResponse"
name="ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate_OutputMessage"/>
</wsdl:operation>
```

3.1.4.144.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate_InputMessage	A WSDL message containing the request for the **ExecuteSPGetTargetGroupSummariesForUpdate** **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetTargetGroupSummariesForUpdate** WSDL operation.

3.1.4.144.1.1 ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate Input Message

The **ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetTargetGroupSummariesForUpdate** **WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTargetGroupSummariesForUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetTargetGroupSummariesForUpdate"
element="tns:ExecuteSPGetTargetGroupSummariesForUpdate"/>
</wsdl:message>
```

3.1.4.144.1.2 ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate Output Message

The **ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetTargetGroupSummariesForUpdate** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTargetGroupSummariesForUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetTargetGroupSummariesForUpdateResponse"
element="tns:ExecuteSPGetTargetGroupSummariesForUpdateResponse"/>
</wsdl:message>
```

3.1.4.144.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetTargetGroupSummariesForUpdate	Contains the body for the request of the ExecuteSPGetTargetGroupSummariesForUpdate **WSDL operation**.
ExecuteSPGetTargetGroupSummariesForUpdateResponse	Contains the body for the response of the ExecuteSPGetTargetGroupSummariesForUpdate WSDL operation.

3.1.4.144.2.1 ExecuteSPGetTargetGroupSummariesForUpdate

This element contains the body of the ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate_InputMessage **WSDL message** defined in section 3.1.4.144.1.1. The format is defined in section 3.1.4.144.3.1.

```
<xsd:element name="ExecuteSPGetTargetGroupSummariesForUpdate" nillable="true"
type="tns:ExecuteSPGetTargetGroupSummariesForUpdateRequestBody"/>
```

3.1.4.144.2.2 ExecuteSPGetTargetGroupSummariesForUpdateResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetTargetGroupSummariesForUpdate_OutputMessage **WSDL message** defined in section 3.1.4.144.1.2. The format is defined in section 3.1.4.144.3.2.

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```
<xsd:element name="ExecuteSPGetTargetGroupSummariesForUpdateResponse" nillable="true"
type="tns:ExecuteSPGetTargetGroupSummariesForUpdateResponseBody"/>
```

3.1.4.144.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetTargetGroupSummariesForUpdateRequestBody	Contains the search criteria for obtaining the installation status of each **target group**.
ExecuteSPGetTargetGroupSummariesForUpdateResponseBody	Contains the installation status information for the specified update.

3.1.4.144.3.1 ExecuteSPGetTargetGroupSummariesForUpdateRequestBody

Contains the search criteria for obtaining the installation status of each **target group**.

```
<xsd:complexType name="ExecuteSPGetTargetGroupSummariesForUpdateRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="includeSubgroups" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

updateId: This field MUST be present. It contains the unique update ID for which to obtain the summary data. If the specified **updateId** field is not found in the database, the server MUST send a **SOAP** fault as specified in section 3.1.4.1.

includeSubgroups: This field MUST be present. It is a Boolean value that when set, specifies including the target group and any subtarget groups in each group summary.

3.1.4.144.3.2 ExecuteSPGetTargetGroupSummariesForUpdateResponseBody

Contains the installation status information for the specified update.

```
<xsd:complexType name="ExecuteSPGetTargetGroupSummariesForUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetTargetGroupSummariesForUpdateResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetTargetGroupSummariesForUpdateResult: This field MUST be present. It contains the rows representing the counts per target group for the specified update, summed across all of the computers in the **target group**. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (defined in section 2.2.4.12). The items in the array MUST contain the following information.

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Index	Name	Type	Description
0	**SummarizationState**	**Integer**	This field MUST NOT be NULL. It contains the summarization state of the update.
1	**LocalUpdateID**	**Integer**	This field MUST NOT be NULL. It contains the local update ID.
2	**TargetID**	**Integer**	This field MUST NOT be NULL. It contains the target ID of the computer.
3	**LastChangeTime**	**Datetime**	This field MUST NOT be NULL. It contains the **UTC** time on the client that is associated with a state change event.
4	**LastRefreshTime**	**Datetime**	This field MUST NOT be NULL. It contains the UTC time on the client that is associated with an event that caused a refresh of the row.
5	**LastChangeTimeOnServer**	**DateTime**	This field MUST NOT be NULL. It contains the time on the server when a row is introduced or summarization is changed.

3.1.4.145 ExecuteSPGetUpdateSummaryForSingleTargetGroup

The **ExecuteSPGetUpdateSummaryForSingleTargetGroup** **WSDL operation** retrieves installation summary information for a specified update and a specified **target group**.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetUpdateSummaryForSingleTargetGroup">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateSummaryForSingleTargetGroupRequest"
name="ApiRemotingSoap_ExecuteSPGetUpdateSummaryForSingleTargetGroup_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetUpdateSummaryForSingleTargetGroup InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateSummaryForSingleTargetGroupResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdateSummaryForSingleTargetGroup_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdateSummaryForSingleTargetGroup_OutputMessage"/>
</wsdl:operation>
```

3.1.4.145.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdateSummaryForSingleTargetGroup_InputMessage	A WSDL message containing the request for the **ExecuteSPGetUpdateSummaryForSingleTargetGroup** **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdateSummaryForSingleTargetGroup_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetUpdateSummaryForSingleTargetGroup** WSDL operation.

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3.1.4.145.1.1 ApiRemotingSoap_ExecuteSPGetUpdateSummary For Single Target Group Input Message

The **ApiRemotingSoap_ExecuteSPGetUpdateSummaryForSingleTargetGroup_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetUpdateSummaryForSingleTargetGroup** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateSummaryForSingleTargetGroupRequest
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetUpdateSummaryForSingleTargetGroup_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdateSummaryForSingleTargetGroup"
element="tns:ExecuteSPGetUpdateSummaryForSingleTargetGroup"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.145.2.1.

3.1.4.145.1.2 ApiRemotingSoap_ExecuteSPGetUpdateSummary For Single Target Group Output Message

The **ApiRemotingSoap_ExecuteSPGetUpdateSummaryForSingleTargetGroup_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetUpdateSummaryForSingleTargetGroup** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateSummaryForSingleTargetGroupResponse
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetUpdateSummaryForSingleTargetGroup_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdateSummaryForSingleTargetGroupResponse"
element="tns:ExecuteSPGetUpdateSummaryForSingleTargetGroupResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.145.2.2.

3.1.4.145.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetUpdateSummaryForSingleTargetGroup	Contains the body for the request of the **ExecuteSPGetUpdateSummaryForSingleTargetGroup** **WSDL operation**.
ExecuteSPGetUpdateSummaryForSingleTargetGroupResponse	Contains the body for the response of the **ExecuteSPGetUpdateSummaryForSingleTargetGroup** WSDL operation.

3.1.4.145.2.1 ExecuteSPGetUpdateSummaryForSingleTargetGroup

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This element contains the body of the request for the **ExecuteSPGetUpdateSummaryForSingleTargetGroup** **WSDL operation**. The format is defined in section 3.1.4.145.3.1.

```
<xsd:element name="ExecuteSPGetUpdateSummaryForSingleTargetGroup" nillable="true"
type="tns:ExecuteSPGetUpdateSummaryForSingleTargetGroupRequestBody"/>
```

3.1.4.145.2.2 ExecuteSPGetUpdateSummaryForSingleTargetGroupResponse

This element contains the body of the response for the **ExecuteSPGetUpdateSummaryForSingleTargetGroup** **WSDL operation**. The format is defined in section 3.1.4.145.3.2.

```
<xsd:element name="ExecuteSPGetUpdateSummaryForSingleTargetGroupResponse" nillable="true"
type="tns:ExecuteSPGetUpdateSummaryForSingleTargetGroupResponseBody"/>
```

3.1.4.145.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdateSummaryForSingleTargetGroupRequestBody	Specifies the **target group** and update for which installation summary information is retrieved.
ExecuteSPGetUpdateSummaryForSingleTargetGroupResponseBody	Contains installation summary information.

3.1.4.145.3.1 ExecuteSPGetUpdateSummaryForSingleTargetGroupRequestBody

Specifies the **target group** and update for which installation summary information is retrieved.

```
<xsd:complexType name="ExecuteSPGetUpdateSummaryForSingleTargetGroupRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="includeSubgroups" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

updateId: This field MUST be present. It specifies the **GUID** of the update for which to get the summary data. If the update does not exist, the **update server** MUST send a SOAP fault as specified in section 3.1.4.1.

targetGroupId: This field MUST be present. It contains the GUID of the target group for which to get the summary data. If the target group does not exist, the update server MUST send a **SOAP fault** as specified in section 3.1.4.1.

includeSubgroups: This field MUST be present. It specifies whether subtarget groups are to be included in the result.

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3.1.4.145.3.2 ExecuteSPGetUpdateSummaryForSingleTargetGroupResponseBody

Contains installation summary information.

```
<xsd:complexType name="ExecuteSPGetUpdateSummaryForSingleTargetGroupResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetUpdateSummaryForSingleTargetGroupResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdateSummaryForSingleTargetGroupResult: This field MUST be present. It identifies the number of rows affected for the specified update and **target group**, summed across all computers in the target group. The data type is ArrayOfGenericReadableRow (section 2.2.4.3). Each entry in that array is of type GenericReadableRow (section 2.2.4.12). Each row MUST contain the following information.

Index	Name	Type	Description
0	**UpdateId**	**GUID**	Contains the **GUID** of the update, which has the installation status as defined by the **SummarizationState** field.
1	**TargetGroupId**	**GUID**	Contains either the GUID of the specified target group or the GUID of one of the specified target group's subgroups, if and only if, the **includeSubgroups** field has been set to TRUE.
3	**ComputerId**	**String**	This field contains the ID of one of the computers, for which this update has been approved, and for which the update installation status is as described by the **SummarizationState** field. The server returns any computer ID that matches the **TargetGroupId** from the request message. The **ComputerId** simple type is defined in section 2.2.5.4.
4	**SummarizationState**	**UpdateInstallationState**	The **UpdateInstallationState** enumeration is defined in section 2.2.5.1.
5	**Count**	**Integer**	The number of computers for which the update has the installation status as described by the **SummarizationState** field.
6	**LastUpdate**	**Datetime**	Contains the date and time when this summary was last updated. The time is specified in **UTC**.

3.1.4.146 ExecuteSPGetTotalSummaryForCategory

The **ExecuteSPGetTotalSummaryForCategory** **WSDL operation** returns summary information about the status of updates associated with the specified category.

This operation is specified by the following **WSDL**.

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```
<wsdl:operation name="ExecuteSPGetTotalSummaryForCategory">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTotalSummaryForCategoryRequest"
name="ApiRemotingSoap ExecuteSPGetTotalSummaryForCategory InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetTotalSummaryForCategory_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTotalSummaryForCategoryResponse"
name="ApiRemotingSoap ExecuteSPGetTotalSummaryForCategory OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetTotalSummaryForCategory_OutputMessage"/>
</wsdl:operation>
```

The server MUST return the summary for all updates in a particular state as defined in the **UpdateInstallationState** enumeration (section 2.2.5.1). An update MUST be counted, if at least one approval exists and the update is associated with the specified category or any of the specified category's subcategories.

3.1.4.146.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetTotalSummaryForCategory_InputMessage	A WSDL message containing the request for the ExecuteSPGetTotalSummaryForCategory **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetTotalSummaryForCategory_OutputMessage	A WSDL message containing the response for the ExecuteSPGetTotalSummaryForCategory WSDL operation.

3.1.4.146.1.1 ApiRemotingSoap_ExecuteSPGetTotalSummaryForCategory Input Message

The ApiRemotingSoap_ExecuteSPGetTotalSummaryForCategory_InputMessage **WSDL message** contains the request for the ExecuteSPGetTotalSummaryForCategory **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTotalSummaryForCategoryRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetTotalSummaryForCategory_InputMessage">
  <wsdl:part name="ExecuteSPGetTotalSummaryForCategory"
element="tns:ExecuteSPGetTotalSummaryForCategory"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.146.2.1.

3.1.4.146.1.2 ApiRemotingSoap_ExecuteSPGetTotalSummaryForCategory Output Message

The ApiRemotingSoap_ExecuteSPGetTotalSummaryForCategory_OutputMessage **WSDL message** contains the response for the ExecuteSPGetTotalSummaryForCategory **WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTotalSummaryForCategoryResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetTotalSummaryForCategory_OutputMessage">
  <wsdl:part name="ExecuteSPGetTotalSummaryForCategoryResponse"
element="tns:ExecuteSPGetTotalSummaryForCategoryResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.146.2.2.

3.1.4.146.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetTotalSummaryForCategory	Contains the body for the request of the **ExecuteSPGetTotalSummaryForCategory WSDL operation**.
ExecuteSPGetTotalSummaryForCategoryResponse	Contains the body for the response of the **ExecuteSPGetTotalSummaryForCategory** WSDL operation.

3.1.4.146.2.1 ExecuteSPGetTotalSummaryForCategory

This element contains the body of the request for the ExecuteSPGetTotalSummaryForCategory **WSDL operation**. The format is defined in section 3.1.4.146.3.1.

```
<xsd:element name="ExecuteSPGetTotalSummaryForCategory" nillable="true"
type="tns:ExecuteSPGetTotalSummaryForCategoryRequestBody"/>
```

3.1.4.146.2.2 ExecuteSPGetTotalSummaryForCategoryResponse

This element contains the body of the response for the ExecuteSPGetTotalSummaryForCategory **WSDL operation**. The format is defined in section 3.1.4.146.3.2.

```
<xsd:element name="ExecuteSPGetTotalSummaryForCategoryResponse" nillable="true"
type="tns:ExecuteSPGetTotalSummaryForCategoryResponseBody"/>
```

3.1.4.146.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetTotalSummaryForCategoryRequestBody	Contains the category **GUID**.
ExecuteSPGetTotalSummaryForCategoryResponseBody	Contains the total number of updates for each update installation status.

3.1.4.146.3.1 ExecuteSPGetTotalSummaryForCategoryRequestBody

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Contains the category **GUID**.

```
<xsd:complexType name="ExecuteSPGetTotalSummaryForCategoryRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="categoryId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

categoryId: This field MUST be present. It contains the GUID that identifies the category for which summary information is returned. If the specified category cannot be found, the update server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.146.3.2ExecuteSPGetTotalSummaryForCategoryResponseBody

Contains the total number of updates for each update installation status.

```
<xsd:complexType name="ExecuteSPGetTotalSummaryForCategoryResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetTotalSummaryForCategoryResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetTotalSummaryForCategoryResult: This field MUST be present. The data type is (ArrayOfGenericReadableRow (section 2.2.4.3). Each entry in that array is of type GenericReadableRow (section 2.2.4.12), where each array represents the total number of updates in a particular state. The entries in that array MUST contain the following information.

Index	Name	Type	Description
0	**UpdateId**	**GUID**	Contains the **GUID** of the update that has the installation status defined by the **SummarizationState** field. The server returns any updateId for which the update is associated with the specified category, and the update has the **SummarizationState** field on at least one computer for which the update has been approved.
1	**TargetGroupId**	**GUID**	Contains the GUID of one of the **target groups** to which an update has been associated and for which the update has an installation status as defined by the **SummarizationState** field.
3	**ComputerId**	**String**	This field contains the ID of one of the computers for which an update has been approved, and for which the update has an installation status as described by the **SummarizationState** field. The server returns any computer ID for which the update category, identified by the **categoryId** field in the request message, has been approved. **ComputerId** is defined in section 2.2.5.4.
4	**SummarizationState**	**UpdateInstallationState**	The **UpdateInstallationState** enumeration

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Index	Name	Type	Description
			is defined in section 2.2.5.1.
5	**Count**	**Integer**	The total number of updates that have the status as defined by the **SummarizationState** field.
6	**LastUpdate**	**Datetime**	Contains the date and time when this summary was last updated. The time is specified in **UTC**.

3.1.4.147 ExecuteSPGetUpdateSummariesForCategory

The ExecuteSPGetUpdateSummariesForCategory **WSDL operation** returns the installation summary information for each update associated with the specified **category**.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetUpdateSummariesForCategory">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateSummariesForCategoryRequest"
name="ApiRemotingSoap ExecuteSPGetUpdateSummariesForCategory InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdateSummariesForCategory_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateSummariesForCategoryResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdateSummariesForCategory_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetUpdateSummariesForCategory OutputMessage"/>
</wsdl:operation>
```

For each update, the server MUST return the sum of occurrences of each installation status, as defined in the UpdateInstallationState enumeration (section 2.2.5.1), for any of the computers to which the update has been approved for. An update MUST be included, if at least one approval exists and the update is associated with the specified category or any of the specified category's subcategories.

3.1.4.147.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdateSummariesForCategory_InputMessage	A WSDL message containing the request for the ExecuteSPGetUpdateSummariesForCategory **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdateSummariesForCategory_OutputMessage	A WSDL message containing the response for the ExecuteSPGetUpdateSummariesForCategory WSDL operation.

3.1.4.147.1.1 ApiRemotingSoap_ExecuteSPGetUpdateSummariesForCategory Input Message

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The ApiRemotingSoap_ExecuteSPGetUpdateSummariesForCategory_InputMessage **WSDL message** contains the request for the ExecuteSPGetUpdateSummariesForCategory **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateSummariesForCategoryRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdateSummariesForCategory_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdateSummariesForCategory"
element="tns:ExecuteSPGetUpdateSummariesForCategory"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.147.2.1.

3.1.4.147.1.2 ApiRemotingSoap_ExecuteSPGetUpdateSummariesForCategory Output Message

The ApiRemotingSoap_ExecuteSPGetUpdateSummariesForCategory_OutputMessage **WSDL message** contains the response for the ExecuteSPGetUpdateSummariesForCategory **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateSummariesForCategoryResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdateSummariesForCategory_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdateSummariesForCategoryResponse"
element="tns:ExecuteSPGetUpdateSummariesForCategoryResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.147.2.2.

3.1.4.147.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetUpdateSummariesForCategory	Contains the body for the request of the ExecuteSPGetUpdateSummariesForCategory **WSDL operation**.
ExecuteSPGetUpdateSummariesForCategoryResponse	Contains the body for the response of the ExecuteSPGetUpdateSummariesForCategory WSDL operation.

3.1.4.147.2.1 ExecuteSPGetUpdateSummariesForCategory

This element contains the body of the request for the ExecuteSPGetUpdateSummariesForCategory **WSDL operation**. The format is defined in section 3.1.4.147.3.1.

```
<xsd:element name="ExecuteSPGetUpdateSummariesForCategory" nillable="true"
type="tns:ExecuteSPGetUpdateSummariesForCategoryRequestBody"/>
```

3.1.4.147.2.2 ExecuteSPGetUpdateSummariesForCategoryResponse

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This element contains the body of the response for the ExecuteSPGetUpdateSummariesForCategory **WSDL operation**. The format is defined in section 3.1.4.147.3.2.

```
<xsd:element name="ExecuteSPGetUpdateSummariesForCategoryResponse" nillable="true"
type="tns:ExecuteSPGetUpdateSummariesForCategoryResponseBody"/>
```

3.1.4.147.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdateSummariesForCategoryRequestBody	Specifies the category for which update installation status is retrieved.
ExecuteSPGetUpdateSummariesForCategoryResponseBody	Contains the installation status for each update in that group summed up across all computers.

3.1.4.147.3.1 ExecuteSPGetUpdateSummariesForCategoryRequestBody

Specifies the category for which update installations status is retrieved.

```
<xsd:complexType name="ExecuteSPGetUpdateSummariesForCategoryRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="categoryId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

categoryId: This field MUST be present. It contains the GUID of the category. If the category does not exist, the update server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.147.3.2 ExecuteSPGetUpdateSummariesForCategoryResponseBody

Contains the installation status for each update in that group summed up across all computers.

```
<xsd:complexType name="ExecuteSPGetUpdateSummariesForCategoryResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetUpdateSummariesForCategoryResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdateSummariesForCategoryResult: This field MUST be present. The data type is ArrayOfGenericReadableRow (section 2.2.4.3). Each entry in that array is of type GenericReadableRow (section 2.2.4.12). Each row MUST contain the following information:

Index	Name	Type	Description
0	**UpdateId**	**GUID**	Contains the **GUID** of the update, which has the installation status as defined by the

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Index	Name	Type	Description
			SummarizationState field.
1	**TargetGroupId**	**GUID**	Contains the GUID of one of the target groups to which an update has been associated with, and for which the update has an installation status as defined by the **SummarizationState** field. The server returns any target group ID for which an update of the category identified by the **categoryId** field in the request message (section 3.1.4.147.3.1) has been approved.
3	**ComputerId**	**String**	This field contains the ID of one of the computers, for which this update has been approved, and for which the update installation status is as described by the **SummarizationState** field. The server returns any computer ID that belongs to a target group for which the category identified by the **categoryId** field in the request message (section 3.1.4.147.3.1) has been approved. The ComputerId simple type is defined in section 2.2.5.4.
4	**SummarizationState**	**UpdateInstallationState**	The **UpdateInstallationState** enumeration is defined in section 2.2.5.1.
5	**Count**	**Integer**	The total number of computers for which the update has the installation status as described by the **SummarizationState** field.
6	**LastUpdate**	**Datetime**	Contains the date and time when this summary was last updated. The time is specified in **UTC**.

3.1.4.148 ExecuteSPGetComputerSummariesForCategory

The ExecuteSPGetComputerSummariesForCategory **WSDL operation** returns summary information about the installation status of updates associated with the specified category. The result is grouped by client computers.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetComputerSummariesForCategory">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputerSummariesForCategoryRequest"
name="ApiRemotingSoap_ExecuteSPGetComputerSummariesForCategory_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComputerSummariesForCategory_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputerSummariesForCategoryResponse"
name="ApiRemotingSoap_ExecuteSPGetComputerSummariesForCategory_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetComputerSummariesForCategory OutputMessage"/>
</wsdl:operation>
```


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For each computer, the server MUST return the sum of occurrences of each installation status, as defined in the UpdateInstallationState Enumeration (section 2.2.5.1), for any of the updates associated with the specified category. An update MUST be included in the summary, if at least one approval exists and the update is associated with the specified category or any of the specified category's subcategories.

3.1.4.148.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetComputerSummariesForCategory_InputMessage	A WSDL message containing the request for the ExecuteSPGetComputerSummariesForCategory **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetComputerSummariesForCategory_OutputMessage	A WSDL message containing the response for the ExecuteSPGetComputerSummariesForCategory WSDL operation.

3.1.4.148.1.1 ApiRemotingSoap_ExecuteSPGetComputerSummariesForCategory Input Message

The ApiRemotingSoap_ExecuteSPGetComputerSummariesForCategory_InputMessage WSDL message contains the request for the ExecuteSPGetComputerSummariesForCategory **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputerSummariesForCategoryRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetComputerSummariesForCategory_InputMessage">
  <wsdl:part name="ExecuteSPGetComputerSummariesForCategory"
element="tns:ExecuteSPGetComputerSummariesForCategory"/>
</wsdl:message>
```

The element contained in this **WSDL message** is defined in section 3.1.4.148.2.1.

3.1.4.148.1.2 ApiRemotingSoap_ExecuteSPGetComputerSummariesForCategory Output Message

The ApiRemotingSoap_ExecuteSPGetComputerSummariesForCategory_OutputMessage WSDL message contains the response for the ExecuteSPGetComputerSummariesForCategory **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputerSummariesForCategoryResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetComputerSummariesForCategory_OutputMessage">
  <wsdl:part name="ExecuteSPGetComputerSummariesForCategoryResponse"
element="tns:ExecuteSPGetComputerSummariesForCategoryResponse"/>
</wsdl:message>
```

The element contained in this **WSDL message** is defined in section 3.1.4.148.2.2.

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3.1.4.148.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetComputerSummariesForCategory	Contains the body for the request of the ExecuteSPGetComputerSummariesForCategory **WSDL operation**.
ExecuteSPGetComputerSummariesForCategoryResponse	Contains the body for the response of the ExecuteSPGetComputerSummariesForCategory WSDL operation.

3.1.4.148.2.1 ExecuteSPGetComputerSummariesForCategory

This element contains the body of the request for the ExecuteSPGetComputerSummariesForCategory **WSDL operation**. The format is defined in section 3.1.4.148.3.1.

```
<xsd:element name="ExecuteSPGetComputerSummariesForCategory" nillable="true"
type="tns:ExecuteSPGetComputerSummariesForCategoryRequestBody"/>
```

3.1.4.148.2.2 ExecuteSPGetComputerSummariesForCategoryResponse

This element contains the body of the response for the ExecuteSPGetComputerSummariesForCategory **WSDL operation**. The format is defined in section 3.1.4.148.3.2.

```
<xsd:element name="ExecuteSPGetComputerSummariesForCategoryResponse" nillable="true"
type="tns:ExecuteSPGetComputerSummariesForCategoryResponseBody"/>
```

3.1.4.148.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetComputerSummariesForCategoryRequestBody	Contains the category of updates for which status summary is returned.
ExecuteSPGetComputerSummariesForCategoryResponseBody	Contains the summary information.

3.1.4.148.3.1 ExecuteSPGetComputerSummariesForCategoryRequestBody

Contains the category of updates for which status summary is returned.

```
<xsd:complexType name="ExecuteSPGetComputerSummariesForCategoryRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="categoryId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```


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categoryId: This field MUST be present. It contains the GUID of the category. If the category does not exist, the update server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.148.3.2ExecuteSPGetComputerSummariesForCategoryResponseBody

Contains the summary information.

```
<xsd:complexType name="ExecuteSPGetComputerSummariesForCategoryResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetComputerSummariesForCategoryResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetComputerSummariesForCategoryResult: This field MUST be present. The data type is ArrayOfGenericReadableRow (section 2.2.4.3). Each entry in that array is of type GenericReadableRow (section 2.2.4.12). Each row MUST contain the following information:

Index	Name	Type	Description
0	UpdateID	GUID	Contains the GUID of one update, which has the installation status as defined by the SummarizationState field. The server returns any update ID that belongs to the category defined by the **categoryId** field of the request message.
1	TargetGroupID	String	Contains the GUID of one of the target groups to which an update has been associated with, and for which the update has an installation status as defined by the **SummarizationState** field. The server returns any target group ID for which an update of the category identified by the **categoryId** field in the request message (section 3.1.4.148.3.1) has been approved.
3	ComputerID	String	This field contains the ID of the computer, for which summary information is returned. The **ComputerId** simple type is defined in section 2.2.5.4.
4	SummarizationState	UpdateInstallationState	The UpdateInstallationState enumeration is defined in section 2.2.5.1.
5	Count	Integer	The total number of updates which have the value of the UpdateInstallationState as described by the **SummarizationState** field and which are assigned to the computer identified by the **ComputerId** field.
6	LastUpdated	DateTime	Contains the date and time when this summary was last updated. The time is specified in UTC.

3.1.4.149 ExecuteSPGetUpdateInstallationInfoForTargetGroup

The ExecuteSPGetUpdateInstallationInfoForTargetGroup **WSDL operation** retrieves UpdateInstallationInformation (section 2.2.4.12.1.3) per computer for a specified update and **target group**.

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This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetUpdateInstallationInfoForTargetGroup">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateInstallationInfoForTargetGroupRequest"
name="ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForTargetGroup_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForTargetGroup_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateInstallationInfoForTargetGroupResponse"
name="ApiRemotingSoap ExecuteSPGetUpdateInstallationInfoForTargetGroup OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForTargetGroup_OutputMessage"/
>
</wsdl:operation>
```

3.1.4.149.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForTargetGroup_InputMessage	A WSDL message containing the request for the ExecuteSPGetUpdateInstallationInfoForTargetGroup WSDL operation.
ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForTargetGroup_OutputMessage	A WSDL message containing the response for the ExecuteSPGetUpdateInstallationInfoForTargetGroup WSDL operation.

3.1.4.149.1.1 ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfo For Target Group Input Message

The ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForTargetGroup_InputMessage **WSDL message** contains the request for the ExecuteSPGetUpdateInstallationInfoForTargetGroup **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateInstallationInfoForTargetGroupRequest
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForTargetGroup_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdateInstallationInfoForTargetGroup"
element="tns:ExecuteSPGetUpdateInstallationInfoForTargetGroup"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.149.2.1.

3.1.4.149.1.2 ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfo For Target Group Output Message

The ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForTargetGroup_OutputMessage WSDL message contains the response for the ExecuteSPGetUpdateInstallationInfoForTargetGroup **WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateInstallationInfoForTargetGroupResponse
<wsdl:message
name="ApiRemotingSoap ExecuteSPGetUpdateInstallationInfoForTargetGroup OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdateInstallationInfoForTargetGroupResponse"
element="tns:ExecuteSPGetUpdateInstallationInfoForTargetGroupResponse"/>
</wsdl:message>
```

The element contained in this **WSDL message** is defined in section 3.1.4.149.2.2.

3.1.4.149.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetUpdateInstallationInfoForTargetGroup	Contains the body for the request of the ExecuteSPGetUpdateInstallationInfoForTargetGroup **WSDL operation**.
ExecuteSPGetUpdateInstallationInfoForTargetGroupResponse	Contains the body for the response of the ExecuteSPGetUpdateInstallationInfoForTargetGroup WSDL operation.

3.1.4.149.2.1 ExecuteSPGetUpdateInstallationInfoForTargetGroup

This element contains the body of the request for the ExecuteSPGetUpdateInstallationInfoForTargetGroup **WSDL operation**. The format is defined in section 3.1.4.149.3.1.

```
<xsd:element name="ExecuteSPGetUpdateInstallationInfoForTargetGroup" nillable="true"
type="tns:ExecuteSPGetUpdateInstallationInfoForTargetGroupRequestBody"/>
```

3.1.4.149.2.2 ExecuteSPGetUpdateInstallationInfoForTargetGroupResponse

This element contains the body of the response for the ExecuteSPGetUpdateInstallationInfoForTargetGroup **WSDL operation**. The format is defined in section 3.1.4.149.3.2.

```
<xsd:element name="ExecuteSPGetUpdateInstallationInfoForTargetGroupResponse" nillable="true"
type="tns:ExecuteSPGetUpdateInstallationInfoForTargetGroupResponseBody"/>
```

3.1.4.149.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdateInstallationInfoForTargetGroupRequestBody	Contains **target group** and update for which installation information is retrieved.
ExecuteSPGetUpdateInstallationInfoForTargetGroupResponseBody	Contains update installation information.

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3.1.4.149.3.1 ExecuteSPGetUpdateInstallationInfoForTargetGroupRequestBody

Contains target group and update for which installation information is retrieved.

```
<xsd:complexType name="ExecuteSPGetUpdateInstallationInfoForTargetGroupRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="targetGroupId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="includeSubgroups" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

updateId: This field MUST be present. It contains the GUID of the update. If the update does not exist, the update server MUST send a SOAP fault as specified in section 3.1.4.1.

targetGroupId: This field MUST be present. It contains the GUID of the category. If the category does not exist, the update server MUST send a SOAP fault as specified in section 3.1.4.1.

includeSubgroups: This field MUST be present. It specifies whether or not subtarget groups are to be included in the result.

3.1.4.149.3.2 ExecuteSPGetUpdateInstallationInfoForTargetGroupResponseBody

Contains update installation information.

```
<xsd:complexType name="ExecuteSPGetUpdateInstallationInfoForTargetGroupResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetUpdateInstallationInfoForTargetGroupResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdateInstallationInfoForTargetGroupResult: This field MUST be present. It contains an UpdateInstallationInformationCollection (section 2.2.4.3.1.1), which is an instance of an ArrayOfGenericReadableRow (section 2.2.4.3) that represents installation information per computer for a specified update and **target group**.

3.1.4.150 ExecuteSPGetTotalSummaryForComputer

The ExecuteSPGetTotalSummaryForComputer **WSDL operation** retrieves summary information about the installation state for the specified updates on the specified computer.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetTotalSummaryForComputer">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTotalSummaryForComputerRequest"
name="ApiRemotingSoap ExecuteSPGetTotalSummaryForComputer InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetTotalSummaryForComputer_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetTotalSummaryForComputerResponse"
```


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```
name="ApiRemotingSoap_ExecuteSPGetTotalSummaryForComputer_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetTotalSummaryForComputer OutputMessage"/>
</wsdl:operation>
```

If the specified search criteria do not yield any updates for which summary information can be generated, the update server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.150.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetTotalSummaryForComputer_InputMessage	A WSDL message containing the request for the ExecuteSPGetTotalSummaryForComputer WSDL operation.
ApiRemotingSoap_ExecuteSPGetTotalSummaryForComputer_OutputMessage	A WSDL message containing the response for the ExecuteSPGetTotalSummaryForComputer WSDL operation.

3.1.4.150.1.1 ApiRemotingSoap_ExecuteSPGetTotalSummaryForComputer Input Message

The ApiRemotingSoap_ExecuteSPGetTotalSummaryForComputer_InputMessage **WSDL message** contains the request for the ExecuteSPGetTotalSummaryForComputer **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTotalSummaryForComputerRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetTotalSummaryForComputer_InputMessage">
  <wsdl:part name="ExecuteSPGetTotalSummaryForComputer"
element="tns:ExecuteSPGetTotalSummaryForComputer"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.150.2.1.

3.1.4.150.1.2 ApiRemotingSoap_ExecuteSPGetTotalSummaryForComputer Output Message

The ApiRemotingSoap_ExecuteSPGetTotalSummaryForComputer_OutputMessage **WSDL message** contains the response for the ExecuteSPGetTotalSummaryForComputer **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetTotalSummaryForComputerResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetTotalSummaryForComputer_OutputMessage">
  <wsdl:part name="ExecuteSPGetTotalSummaryForComputerResponse"
element="tns:ExecuteSPGetTotalSummaryForComputerResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.150.2.2.

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3.1.4.150.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetTotalSummaryForComputer	Contains the body for the request of the ExecuteSPGetTotalSummaryForComputer **WSDL operation**.
ExecuteSPGetTotalSummaryForComputerResponse	Contains the body for the response of the ExecuteSPGetTotalSummaryForComputer WSDL operation.

3.1.4.150.2.1 ExecuteSPGetTotalSummaryForComputer

This element contains the body of the request for the ExecuteSPGetTotalSummaryForComputer **WSDL operation**. The format is defined in section 3.1.4.150.3.1.

```
<xsd:element name="ExecuteSPGetTotalSummaryForComputer" nillable="true"
type="tns:ExecuteSPGetTotalSummaryForComputerRequestBody"/>
```

3.1.4.150.2.2 ExecuteSPGetTotalSummaryForComputerResponse

This element contains the body of the response for the ExecuteSPGetTotalSummaryForComputer **WSDL operation**. The format is defined in section 3.1.4.150.3.2.

```
<xsd:element name="ExecuteSPGetTotalSummaryForComputerResponse" nillable="true"
type="tns:ExecuteSPGetTotalSummaryForComputerResponseBody"/>
```

3.1.4.150.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetTotalSummaryForComputerRequestBody	Specifies the computer and update types for which summary information is retrieved.
ExecuteSPGetTotalSummaryForComputerResponseBody	Contains the summary information.

3.1.4.150.3.1 ExecuteSPGetTotalSummaryForComputerRequestBody

Specifies the computer and update types for which summary information is retrieved.

```
<xsd:complexType name="ExecuteSPGetTotalSummaryForComputerRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateScopeXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```


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computerId: This field MUST be present. The ComputerId simple type is defined in section 2.2.5.4.

updateScopeXml: This field MUST be present. It represents an Update Search Scope XML fragment, defined in section 2.2.3.1, that specifies which updates are to be included in the summary information.

preferredCulture: This field MUST be present. The PreferredCulture simple type is defined in section 2.2.5.5.

3.1.4.150.3.2ExecuteSPGetTotalSummaryForComputerResponseBody

Contains the summary information.

```
<xsd:complexType name="ExecuteSPGetTotalSummaryForComputerResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetTotalSummaryForComputerResult"
nillable="true" type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetTotalSummaryForComputerResult: This field MUST be present. The data type is ArrayOfGenericReadableRow (section 2.2.4.3). Each entry in that array is of type GenericReadableRow (section 2.2.4.12), where each array represents the total number of updates in a particular state. The entries in that array MUST contain the following information:

Index	Name	Type	Description
0	UpdateId	GUID	Contains the GUID of one of the updates, which has the installation status as defined by the SummarizationState field. The server returns any updateId for which the update is associated with the specified category, and the update has the **SummarizationState** on at least one computer for which the update has been approved.
1	TargetGroupId	GUID	Contains the GUID of one of the target groups to which an update has been associated with, for which the update has an installation status as defined by the **SummarizationState** field.
3	ComputerId	String	This field contains the ID of the computer, for which summary information is returned. This is defined in ComputerId Simple Type (section 2.2.5.4).
4	SummarizationState	UpdateInstallationState	The UpdateInstallationState is defined in section 2.2.5.1.
5	Count	Integer	The total number of updates that have the status as defined by the SummarizationState field on the computer described by the ComputerId field.
6	LastUpdated	DateTime	Contains the date and time when this summary was last updated. The time is specified in UTC.

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3.1.4.151 ExecuteSPGetUpdateInstallationInfoForUpdate

The ExecuteSPGetUpdateInstallationInfoForUpdate **WSDL operation** gets the installation information for the specified update.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetUpdateInstallationInfoForUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateInstallationInfoForUpdateRequest"
name="ApiRemotingSoap ExecuteSPGetUpdateInstallationInfoForUpdate InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateInstallationInfoForUpdateResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForUpdate_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetUpdateInstallationInfoForUpdate OutputMessage"/>
</wsdl:operation>
```

This information is collected for all computers that match the search criteria specified in computerTargetScopeXml.

3.1.4.151.1 Messages

This operation includes the following WSDL messages.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForUpdate_InputMessage	A WSDL message containing the request for the ExecuteSPGetUpdateInstallationInfoForUpdate WSDL operation.
ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForUpdate_OutputMessage	A WSDL message containing the response for the ExecuteSPGetUpdateInstallationInfoForUpdate WSDL operation.

3.1.4.151.1.1 ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForUpdate Input Message

The ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForUpdate_InputMeWSDL message contains the request for the ExecuteSPGetUpdateInstallationInfoForUpdate WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateInstallationInfoForUpdateRequest
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdateInstallationInfoForUpdate"
element="tns:ExecuteSPGetUpdateInstallationInfoForUpdate"/>
</wsdl:message>
```

3.1.4.151.1.2 ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForUpdate Output Message

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The ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForUpdate_OutputMeWSDL message contains the response for the ExecuteSPGetUpdateInstallationInfoForUpdate WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateInstallationInfoForUpdateResponse
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdateInstallationInfoForUpdateResponse"
element="tns:ExecuteSPGetUpdateInstallationInfoForUpdateResponse"/>
</wsdl:message>
```

3.1.4.151.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetUpdateInstallationInfoForUpdate	Contains the body for the request of the ExecuteSPGetUpdateInstallationInfoForUpdate WSDL operation.
ExecuteSPGetUpdateInstallationInfoForUpdateResponse	Contains the body for the response of the ExecuteSPGetUpdateInstallationInfoForUpdate WSDL operation.

3.1.4.151.2.1 ExecuteSPGetUpdateInstallationInfoForUpdate

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForUpdate Input Message WSDL message defined in section 3.1.4.151.1.1. The format is defined in section 3.1.4.151.3.1.

```
<xsd:element name="ExecuteSPGetUpdateInstallationInfoForUpdate" nillable="true"
type="tns:ExecuteSPGetUpdateInstallationInfoForUpdateRequestBody"/>
```

3.1.4.151.2.2 ExecuteSPGetUpdateInstallationInfoForUpdateResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForUpdate Output Message WSDL message defined in section 3.1.4.151.1.2. The format is defined in section 3.1.4.151.3.2.

```
<xsd:element name="ExecuteSPGetUpdateInstallationInfoForUpdateResponse" nillable="true"
type="tns:ExecuteSPGetUpdateInstallationInfoForUpdateResponseBody"/>
```

3.1.4.151.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdateInstallationInfoForUpdateRequestBody	Contains the criteria to obtain the installation information for the specified update.

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Complex type	Description
ExecuteSPGetUpdateInstallationInfoForUpdateResponseBody	Contains the requested installation information.

3.1.4.151.3.1 ExecuteSPGetUpdateInstallationInfoForUpdateRequestBody

Contains the criteria to obtain the installation information for the specified update.

```
<xsd:complexType name="ExecuteSPGetUpdateInstallationInfoForUpdateRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerTargetScopeXml" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

updateId: This field MUST be present. It contains the ID of the update for which to obtain the installation information. If the **updateId** field is not found in the database or if one of the parameters is NULL, the server MUST send a SOAP fault as specified in section 3.1.4.1.

computerTargetScopeXml: This field MUST be present. It contains the XML text that specifies the search filters for selecting computers.

3.1.4.151.3.2 ExecuteSPGetUpdateInstallationInfoForUpdateResponseBody

Contains the requested installation information.

```
<xsd:complexType name="ExecuteSPGetUpdateInstallationInfoForUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetUpdateInstallationInfoForUpdateResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdateInstallationInfoForUpdateResult: This field MUST be present. It contains the requested information about the installation. The data type is defined in section 2.2.4.3. Each entry in the returned array is an array of type GenericReadableRow (section 2.2.4.12). The items in the array MUST contain the following information.

Index	Name	Type	Description
0	SummarizationState	Integer	This field MUST NOT be NULL. It contains the summarization state of the update.
1	LocalUpdateID	Integer	This field MUST NOT be NULL. It contains the local update ID.
2	TargetID	Integer	This field MUST NOT be NULL. It contains the target ID of the computer.
3	LastChangeTime	Datetime	This field MUST NOT be NULL. It contains the UTC time on the client that is associated with a state change event.
4	LastRefreshTime	Datetime	This field MUST NOT be NULL. It contains the UTC time on the client that is associated with an event that caused a

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Index	Name	Type	Description
			refresh of the row.
5	LastChangeTimeOnServer	Datetime	This field MUST NOT be NULL. It contains the time on the server when a row is introduced or summarization is changed.

3.1.4.152 ExecuteSPGetUpdateInstallationInfoForComputer

The ExecuteSPGetUpdateInstallationInfoForComputer **WSDL operation** retrieves UpdateInstallationInformation (section 2.2.4.12.1.3) for the specified computer for each of the updates that match the specified criteria.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetUpdateInstallationInfoForComputer">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateInstallationInfoForComputerRequest"
name="ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForComputer_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForComputer_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdateInstallationInfoForComputerResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForComputer_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForComputer_OutputMessage"/>
</wsdl:operation>
```

If the specified criteria do not yield any update or the specified client computer does not exist, the update server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.152.1 Messages

This operation includes the following WSDL messages.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForComputer_InputMessage	A WSDL message containing the request for the ExecuteSPGetUpdateInstallationInfoForComputer WSDL operation.
ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForComputer_OutputMessage	A WSDL message containing the response for the ExecuteSPGetUpdateInstallationInfoForComputer WSDL operation.

3.1.4.152.1.1 ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfo For Computer Input Message

The ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForComputer_InputMessage WSDL message contains the request for the ExecuteSPGetUpdateInstallationInfoForComputer WSDL operation.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateInstallationInfoForComputerRequest
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForComputer_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdateInstallationInfoForComputer"
element="tns:ExecuteSPGetUpdateInstallationInfoForComputer"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.152.2.1.

3.1.4.152.1.2 ApiRemotingSoap_ExecuteSPGetUpdateInstallationInf For Computer Output Message

The ApiRemotingSoap_ExecuteSPGetUpdateInstallationInfoForComputer_OutputMessage WSDL message contains the response for the ExecuteSPGetUpdateInstallationInfoForComputer WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdateInstallationInfoForComputerResponse
<wsdl:message
name="ApiRemotingSoap ExecuteSPGetUpdateInstallationInfoForComputer OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdateInstallationInfoForComputerResponse"
element="tns:ExecuteSPGetUpdateInstallationInfoForComputerResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.152.2.2.

3.1.4.152.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetUpdateInstallationInfoForComputer	Contains the body for the request of the ExecuteSPGetUpdateInstallationInfoForComputer WSDL operation.
ExecuteSPGetUpdateInstallationInfoForComputerResponse	Contains the body for the response of the ExecuteSPGetUpdateInstallationInfoForComputer WSDL operation.

3.1.4.152.2.1 ExecuteSPGetUpdateInstallationInfoForComputer

This element contains the body of the request for the ExecuteSPGetUpdateInstallationInfoForComputer WSDL operation. The format is defined in section 3.1.4.152.3.1.

```
<xsd:element name="ExecuteSPGetUpdateInstallationInfoForComputer" nillable="true"
type="tns:ExecuteSPGetUpdateInstallationInfoForComputerRequestBody"/>
```

3.1.4.152.2.2 ExecuteSPGetUpdateInstallationInfoForComputerResponse

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This element contains the body of the response for the ExecuteSPGetUpdateInstallationInfoForComputer WSDL operation. The format is defined in section 3.1.4.152.3.2.

```
<xsd:element name="ExecuteSPGetUpdateInstallationInfoForComputerResponse" nillable="true"
type="tns:ExecuteSPGetUpdateInstallationInfoForComputerResponseBody"/>
```

3.1.4.152.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdateInstallationInfoForComputerRequestBody	Specifies the computer and search criteria for updates to be included in this operation.
ExecuteSPGetUpdateInstallationInfoForComputerResponseBody	Contains the UpdateInstallationInformation (section 2.2.4.12.1.3) for each update.

3.1.4.152.3.1 ExecuteSPGetUpdateInstallationInfoForComputerRequestBody

Specifies the computer and search criteria for updates to be included in this operation.

```
<xsd:complexType name="ExecuteSPGetUpdateInstallationInfoForComputerRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="computerId" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="updateScopeXml" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="publicationState" type="xsd:int"/>
  </xsd:sequence>
</xsd:complexType>
```

computerId: This field MUST be present. It specifies the computer for which UpdateInstallationInformation (section 2.2.4.12.1.3) is retrieved. The format of the ComputerId simple type is defined in section 2.2.5.4.

updateScopeXml: This field MUST be present. It represents an Update Search Scope XML fragment, defined in section 2.2.3.1, to specify which updates are to be included in the installation information.

preferredCulture: This field MUST be present. The format of the PreferredCulture simple type is defined in section 2.2.5.5.

publicationState: This field MUST be present. It describes the intended PublicationState of the update. The PublicationState enumeration is defined in section 2.2.5.2.

3.1.4.152.3.2 ExecuteSPGetUpdateInstallationInfoForComputerResponseBody

Contains the UpdateInstallationInformation (section 2.2.4.12.1.3) for each update.

```
<xsd:complexType name="ExecuteSPGetUpdateInstallationInfoForComputerResponseBody">
  <xsd:sequence>
```


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```
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetUpdateInstallationInfoForComputerResult" nillable="true"
type="tns:ArrayOfGenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdateInstallationInfoForComputerResult: This field MUST be present. It contains an UpdateInstallationInformationCollection (section 2.2.4.3.1.1), which is an instance of an ArrayOfGenericReadableRow (section 2.2.4.3).

3.1.4.153 ExecuteSPGetComputersNotContactedSinceCount

The ExecuteSPGetComputersNotContactedSinceCount WSDL operation returns the number of client computers that have not reported to the WSUS server since a specified date.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetComputersNotContactedSinceCount">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputersNotContactedSinceCountRequest"
name="ApiRemotingSoap_ExecuteSPGetComputersNotContactedSinceCount_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComputersNotContactedSinceCount_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetComputersNotContactedSinceCountResponse"
name="ApiRemotingSoap ExecuteSPGetComputersNotContactedSinceCount OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetComputersNotContactedSinceCount_OutputMessage"/>
</wsdl:operation>
```

3.1.4.153.1 Messages

This operation includes the following WSDL messages.

Message	Description
ApiRemotingSoap_ExecuteSPGetComputersNotContactedSinceCount_InputMessage	A **WSDL message** containing the request for the ExecuteSPGetComputersNotContactedSinceCount **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetComputersNotContactedSinceCount_OutputMessage	A WSDL message containing the response for the ExecuteSPGetComputersNotContactedSinceCount WSDL operation.

3.1.4.153.1.1 ApiRemotingSoap_ExecuteSPGetComputersNotContacted Since Count Input Message

The ApiRemotingSoap_ExecuteSPGetComputersNotContactedSinceCount_InputMessage WSDL message contains the request for the ExecuteSPGetComputersNotContactedSinceCount **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputersNotContactedSinceCountRequest
```


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```
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetComputersNotContactedSinceCount_InputMessage">
  <wsdl:part name="ExecuteSPGetComputersNotContactedSinceCount"
element="tns:ExecuteSPGetComputersNotContactedSinceCount"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.153.2.1.

3.1.4.153.1.2 ApiRemotingSoap_ExecuteSPGetComputersNotContacted Since Count Output Message

The ApiRemotingSoap_ExecuteSPGetComputersNotContactedSinceCount_OutputMessage **WSDL message** contains the response for the ExecuteSPGetComputersNotContactedSinceCount **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetComputersNotContactedSinceCountResponse
<wsdl:message
name="ApiRemotingSoap_ExecuteSPGetComputersNotContactedSinceCount_OutputMessage">
  <wsdl:part name="ExecuteSPGetComputersNotContactedSinceCountResponse"
element="tns:ExecuteSPGetComputersNotContactedSinceCountResponse"/>
</wsdl:message>
```

The element contained in this WSDL message is defined in section 3.1.4.153.2.2.

3.1.4.153.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetComputersNotContactedSinceCount	Contains the body for the request of the ExecuteSPGetComputersNotContactedSinceCount WSDL operation.
ExecuteSPGetComputersNotContactedSinceCountResponse	Contains the body for the response of the ExecuteSPGetComputersNotContactedSinceCount WSDL operation.

3.1.4.153.2.1 ExecuteSPGetComputersNotContactedSinceCount

Contains the body for the request of the ExecuteSPGetComputersNotContactedSinceCount **WSDL operation**.

```
<xsd:element name="ExecuteSPGetComputersNotContactedSinceCount" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1" name="fromDate" type="xsd:dateTime"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

fromDate: This field MUST be present. It represents the starting date and time of a period during which the counted client computers have not contacted the server.

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3.1.4.153.2.2 ExecuteSPGetComputersNotContactedSinceCountResponse

Contains the body for the response of the ExecuteSPGetComputersNotContactedSinceCount **WSDL operation**.

```
<xsd:element name="ExecuteSPGetComputersNotContactedSinceCountResponse" nillable="true">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="1" maxOccurs="1"
name="ExecuteSPGetComputersNotContactedSinceCountResult" type="xsd:int"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

ExecuteSPGetComputersNotContactedSinceCountResult: This field MUST be present. It contains the number of client computers that have not contacted the server for the period of time starting at the specified date.

3.1.4.154 ExecuteSPSimpleSearchUpdates

The ExecuteSPSimpleSearchUpdates **WSDL operation** searches for updates that match the specified parameter.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPSimpleSearchUpdates">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSimpleSearchUpdatesRequest"
name="ApiRemotingSoap_ExecuteSPSimpleSearchUpdates_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPSimpleSearchUpdates_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPSimpleSearchUpdatesResponse"
name="ApiRemotingSoap_ExecuteSPSimpleSearchUpdates_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPSimpleSearchUpdates_OutputMessage"/>
</wsdl:operation>
```

If the search string is empty or longer than 256 characters, the server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.154.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPSimpleSearchUpdates_InputMessage	A WSDL message containing the request for the ExecuteSPSimpleSearchUpdates **WSDL operation**.
ApiRemotingSoap_ExecuteSPSimpleSearchUpdates_OutputMessage	A WSDL message containing the response for the ExecuteSPSimpleSearchUpdates WSDL operation.

3.1.4.154.1.1 ApiRemotingSoap_ExecuteSPSimpleSearchUpdates Input Message

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The ApiRemotingSoap_ExecuteSPSimpleSearchUpdates_InputMessage **WSDL message** contains the request for the ExecuteSPSimpleSearchUpdates **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSimpleSearchUpdatesRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPSimpleSearchUpdates_InputMessage">
  <wsdl:part name="ExecuteSPSimpleSearchUpdates" element="tns:ExecuteSPSimpleSearchUpdates"/>
</wsdl:message>
```

3.1.4.154.1.2 ApiRemotingSoap_ExecuteSPSimpleSearchUpdates Output Message

The ApiRemotingSoap_ExecuteSPSimpleSearchUpdates_OutputMessage **WSDL message** contains the response for the ExecuteSPSimpleSearchUpdates **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPSimpleSearchUpdatesResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPSimpleSearchUpdates_OutputMessage">
  <wsdl:part name="ExecuteSPSimpleSearchUpdatesResponse"
element="tns:ExecuteSPSimpleSearchUpdatesResponse"/>
</wsdl:message>
```

3.1.4.154.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPSimpleSearchUpdates	Contains the request for the ExecuteSPSimpleSearchUpdates WSDL operation.
ExecuteSPSimpleSearchUpdatesResponse	Contains the response for the ExecuteSPSimpleSearchUpdates WSDL operation.

3.1.4.154.2.1 ExecuteSPSimpleSearchUpdates

This element contains the request body for the ApiRemotingSoap_ExecuteSPSimpleSearchUpdates _InputMessage WSDL operation. The format is defined in section 3.1.4.154.1.1. The format is defined in section 3.1.4.154.3.1.

```
<xsd:element name="ExecuteSPSimpleSearchUpdates" nillable="true"
type="tns:ExecuteSPSimpleSearchUpdatesRequestBody"/>
```

3.1.4.154.2.2 ExecuteSPSimpleSearchUpdatesResponse

This element contains the request body for the ApiRemotingSoap_ExecuteSPSimpleSearchUpdates _OutputMessage WSDL operation. The format is defined in section 3.1.4.154.1.2. The format is defined in section 3.1.4.154.3.2.

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```
<xsd:element name="ExecuteSPSimpleSearchUpdatesResponse" nillable="true"
type="tns:ExecuteSPSimpleSearchUpdatesResponseBody"/>
```

3.1.4.154.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPSimpleSearchUpdatesRequestBody	Contains the search criteria to get the updates.
ExecuteSPSimpleSearchUpdatesResponseBody	Contains the requested updates that match the specified parameter.

3.1.4.154.3.1 ExecuteSPSimpleSearchUpdatesRequestBody

This complex type contains the search criteria to get the updates.

```
<xsd:complexType name="ExecuteSPSimpleSearchUpdatesRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="searchText" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

searchText: This field MUST be present. It contains the text to search for in the update parameters. The value is compared for a match in the title, description, Knowledge Base article number, and Microsoft Security Response Center (MSRC) number properties of an update.

3.1.4.154.3.2 ExecuteSPSimpleSearchUpdatesResponseBody

Contains the requested updates that match the specified parameter.

```
<xsd:complexType name="ExecuteSPSimpleSearchUpdatesResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPSimpleSearchUpdatesResult"
nillable="true" type="tns:CompleteUpdates"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPSimpleSearchUpdatesResult: This field MUST be present. It contains a collection of updates that match the specified text. When no updates are found to match, an empty collection is returned.

3.1.4.155 ExecuteSPGetRevisions

The ExecuteSPGetRevisions **WSDL operation** gets all revisions of the specified update ID.

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This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetRevisions">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetRevisionsRequest"
name="ApiRemotingSoap_ExecuteSPGetRevisions_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetRevisions_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetRevisionsResponse"
name="ApiRemotingSoap ExecuteSPGetRevisions OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetRevisions_OutputMessage"/>
</wsdl:operation>
```

3.1.4.155.1 Messages

This operation includes the following WSDL messages.

Message	Description
ApiRemotingSoap_ExecuteSPGetRevisions_InputMessage	A WSDL message containing the request for the ExecuteSPGetRevisions WSDL operation.
ApiRemotingSoap_ExecuteSPGetRevisions_OutputMessage	A WSDL message containing the response for the ExecuteSPGetRevisions WSDL operation.

3.1.4.155.1.1 ApiRemotingSoap_ExecuteSPGetRevisions Input Message

The ApiRemotingSoap_ExecuteSPGetRevisions_InputMessage **WSDL message** contains the request for the ExecuteSPGetRevisions **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetRevisionsRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetRevisions_InputMessage">
  <wsdl:part name="ExecuteSPGetRevisions" element="tns:ExecuteSPGetRevisions"/>
</wsdl:message>
```

3.1.4.155.1.2 ApiRemotingSoap_ExecuteSPGetRevisions Output Message

The ApiRemotingSoap_ExecuteSPGetRevisions_OutputMessage **WSDL message** contains the response for the ExecuteSPGetRevisions **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetRevisionsResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetRevisions_OutputMessage">
  <wsdl:part name="ExecuteSPGetRevisionsResponse"
element="tns:ExecuteSPGetRevisionsResponse"/>
</wsdl:message>
```

3.1.4.155.2 Elements

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This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetRevisions	Contains the body for the request of the ExecuteSPGetRevisions WSDL operation.
ExecuteSPGetRevisionsResponse	Contains the body for the response of the ExecuteSPGetRevisions WSDL operation.

3.1.4.155.2.1 ExecuteSPGetRevisions

This element contains the body of the ApiRemotingSoap_ExecuteSPGetRevisions _InputMessage WSDL message defined in section 3.1.4.155.1.1. The format is defined in section 3.1.4.155.3.1.

```
<xsd:element name="ExecuteSPGetRevisions" nillable="true"
type="tns:ExecuteSPGetRevisionsRequestBody"/>
```

3.1.4.155.2.2 ExecuteSPGetRevisionsResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetRevisions _OutputMessage WSDL message defined in section 3.1.4.155.1.2. The format is defined in section 3.1.4.155.3.2.

```
<xsd:element name="ExecuteSPGetRevisionsResponse" nillable="true"
type="tns:ExecuteSPGetRevisionsResponseBody"/>
```

3.1.4.155.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetRevisionsRequestBody	Contains the criteria to search for the revisions of a specified update.
ExecuteSPGetRevisionsResponseBody	Contains all of the revisions for the specified update.

3.1.4.155.3.1 ExecuteSPGetRevisionsRequestBody

Contains the criteria to search for the revisions of a specified update.

```
<xsd:complexType name="ExecuteSPGetRevisionsRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="1" maxOccurs="1" name="updateId" nillable="true"
type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

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updateId: This field MUST be present. It contains the unique ID of the update that is used for obtaining the revisions. If the specified **updateId** field is NULL, the server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.155.3.2ExecuteSPGetRevisionsResponseBody

Contains all of the revisions for the specified update.

```
<xsd:complexType name="ExecuteSPGetRevisionsResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetRevisionsResult"
nillable="true" type="tns:CompleteUpdates"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetRevisionsResult: This field MUST be present. It contains all of the revisions for the specified update.

3.1.4.156 ExecuteSPGetUpdatesBundledByUpdate

The ExecuteSPGetUpdatesBundledByUpdate WSDL operation returns the list of updates that are bundled for a specified update.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetUpdatesBundledByUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesBundledByUpdateRequest"
name="ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesBundledByUpdateResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate_OutputMessage"/>
</wsdl:operation>
```

3.1.4.156.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate_InputMessage	A WSDL message containing the request for the ExecuteSPGetUpdatesBundledByUpdate **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate_OutputMessage	A WSDL message containing the response for the ExecuteSPGetUpdatesBundledByUpdate WSDL operation.

3.1.4.156.1.1ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate Input Message

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The ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate_InputMessage **WSDL message** contains the request for the ExecuteSPGetUpdatesBundledByUpdate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesBundledByUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesBundledByUpdate"
element="tns:ExecuteSPGetUpdatesBundledByUpdate"/>
</wsdl:message>
```

3.1.4.156.1.2 ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate Output Message

The ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate_OutputMessage **WSDL message** contains the response for the ExecuteSPGetUpdatesBundledByUpdate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesBundledByUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesBundledByUpdateResponse"
element="tns:ExecuteSPGetUpdatesBundledByUpdateResponse"/>
</wsdl:message>
```

3.1.4.156.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetUpdatesBundledByUpdate	Contains the body for the request of the ExecuteSPGetUpdatesBundledByUpdate WSDL operation.
ExecuteSPGetUpdatesBundledByUpdateResponse	Contains the body for the response of the ExecuteSPGetUpdatesBundledByUpdate WSDL operation.

3.1.4.156.2.1 ExecuteSPGetUpdatesBundledByUpdate

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate_InputMessage WSDL message defined in section 3.1.4.156.1.1. The format is defined in section 3.1.4.156.3.1.

```
<xsd:element name="ExecuteSPGetUpdatesBundledByUpdate" nillable="true"
type="tns:ExecuteSPGetUpdatesBundledByUpdateRequestBody"/>
```

3.1.4.156.2.2 ExecuteSPGetUpdatesBundledByUpdateResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdatesBundledByUpdate_OutputMessage WSDL message defined in section 3.1.4.156.1.2. The format is defined in section 3.1.4.156.3.2.

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```
<xsd:element name="ExecuteSPGetUpdatesBundledByUpdateResponse" nillable="true"
type="tns:ExecuteSPGetUpdatesBundledByUpdateResponseBody"/>
```

3.1.4.156.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdatesBundledByUpdateRequestBody	Contains the request for getting the list of bundled updates.
ExecuteSPGetUpdatesBundledByUpdateResponseBody	Contains the list of updates that are bundled by the update in the server.

3.1.4.156.3.1 ExecuteSPGetUpdatesBundledByUpdateRequestBody

This complex type contains the request for getting the list of bundled updates.

```
<xsd:complexType name="ExecuteSPGetUpdatesBundledByUpdateRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language if the preferred language is not available.

id: This field MUST be present. It contains the unique ID of the update for which bundled updates are requested.

3.1.4.156.3.2 ExecuteSPGetUpdatesBundledByUpdateResponseBody

This complex type contains the list of updates that are bundled by the update in the server.

```
<xsd:complexType name="ExecuteSPGetUpdatesBundledByUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetUpdatesBundledByUpdateResult"
nillable="true" type="tns:CompleteUpdates"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdatesBundledByUpdateResult: This field MUST be present. It contains a list of all of the bundled updates. If no other updates are bundled with the specified update ID, an empty collection is returned.

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3.1.4.157 ExecuteSPGetUpdatesThatBundleUpdate

The ExecuteSPGetUpdatesThatBundleUpdate WSDL operation retrieves the list of parent updates that bundle the specified update.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetUpdatesThatBundleUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesThatBundleUpdateRequest"
name="ApiRemotingSoap ExecuteSPGetUpdatesThatBundleUpdate InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesThatBundleUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesThatBundleUpdateResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdatesThatBundleUpdate_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetUpdatesThatBundleUpdate OutputMessage"/>
</wsdl:operation>
```

3.1.4.157.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdatesThatBundleUpdate_InputMessage	A WSDL message containing the request for the ExecuteSPGetUpdatesThatBundleUpdate **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdatesThatBundleUpdate_OutputMessage	A WSDL message containing the response for the ExecuteSPGetUpdatesThatBundleUpdate WSDL operation.

3.1.4.157.1.1 ApiRemotingSoap_ExecuteSPGetUpdatesThatBundleUpdate Input Message

The ApiRemotingSoap_ExecuteSPGetUpdatesThatBundleUpdate_InputMessage **WSDL message** contains the request for the ExecuteSPGetUpdatesThatBundleUpdate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesThatBundleUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesThatBundleUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesThatBundleUpdate"
element="tns:ExecuteSPGetUpdatesThatBundleUpdate"/>
</wsdl:message>
```

3.1.4.157.1.2 ApiRemotingSoap_ExecuteSPGetUpdatesThatBundleUpdate Output Message

The ApiRemotingSoap_ExecuteSPGetUpdatesThatBundleUpdate_OutputMessage **WSDL message** contains the response for the ExecuteSPGetUpdatesThatBundleUpdate **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesThatBundleUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesThatBundleUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesThatBundleUpdateResponse"
element="tns:ExecuteSPGetUpdatesThatBundleUpdateResponse"/>
</wsdl:message>
```

3.1.4.157.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetUpdatesThatBundleUpdate	Contains the request for the ExecuteSPGetUpdatesThatBundleUpdate WSDL operation.
ExecuteSPGetUpdatesThatBundleUpdateResponse	Contains the response for the ExecuteSPGetUpdatesThatBundleUpdate WSDL operation.

3.1.4.157.2.1 ExecuteSPGetUpdatesThatBundleUpdate

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdatesThatBundleUpdate _InputMessage WSDL message defined in section 3.1.4.157.1.1. The format is defined in section 3.1.4.157.3.1.

```
<xsd:element name="ExecuteSPGetUpdatesThatBundleUpdate" nillable="true"
type="tns:ExecuteSPGetUpdatesThatBundleUpdateRequestBody"/>
```

3.1.4.157.2.2 ExecuteSPGetUpdatesThatBundleUpdateResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdatesThatBundleUpdate _OutputMessage WSDL message defined in section 3.1.4.157.1.2. The format is defined in section 3.1.4.157.2.2.

```
<xsd:element name="ExecuteSPGetUpdatesThatBundleUpdateResponse" nillable="true"
type="tns:ExecuteSPGetUpdatesThatBundleUpdateResponseBody"/>
```

3.1.4.157.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdatesThatBundleUpdateRequestBody	Contains the criteria to search for the bundled updates.
ExecuteSPGetUpdatesThatBundleUpdateResponseBody	Contains the list of parent updates that bundle the specified update.

3.1.4.157.3.1 ExecuteSPGetUpdatesThatBundleUpdateRequestBody

Contains the criteria to search for the bundled updates.

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```
<xsd:complexType name="ExecuteSPGetUpdatesThatBundleUpdateRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

id: This field MUST be present. It identifies the update for which to search for bundles by the parent update.

3.1.4.157.3.2ExecuteSPGetUpdatesThatBundleUpdateResponseBody

Contains the list of parent updates that bundle the specified update.

```
<xsd:complexType name="ExecuteSPGetUpdatesThatBundleUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetUpdatesThatBundleUpdateResult"
nillable="true" type="tns:CompleteUpdates"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdatesThatBundleUpdateResult: This field MUST be present. It contains the list of parent updates that bundle the specified update. If no parent updates bundle the specified update, an empty collection is returned.

3.1.4.158 ExecuteSPGetUpdatesSupersededByUpdate

The ExecuteSPGetUpdatesSupersededByUpdate WSDL operation retrieves the update revisions that are superseded by a specified update.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetUpdatesSupersededByUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesSupersededByUpdateRequest"
name="ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate_InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesSupersededByUpdateResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate_OutputMessage"/>
</wsdl:operation>
```

3.1.4.158.1 Messages

This operation includes the following **WSDL messages**.

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Message	Description
ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate_InputMessage	A WSDL message containing the request for the ExecuteSPGetUpdatesSupersededByUpdate **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate_OutputMessage	A WSDL message containing the response for the ExecuteSPGetUpdatesSupersededByUpdate WSDL operation.

3.1.4.158.1.1 ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate Input Message

The ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate_InputMessage **WSDL message** contains the request for the ExecuteSPGetUpdatesSupersededByUpdate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesSupersededByUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesSupersededByUpdate"
element="tns:ExecuteSPGetUpdatesSupersededByUpdate"/>
</wsdl:message>
```

3.1.4.158.1.2 ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate Output Message

The ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate_OutputMessage **WSDL message** contains the response for the ExecuteSPGetUpdatesSupersededByUpdate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesSupersededByUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesSupersededByUpdateResponse"
element="tns:ExecuteSPGetUpdatesSupersededByUpdateResponse"/>
</wsdl:message>
```

3.1.4.158.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetUpdatesSupersededByUpdate	Contains the request for the ExecuteSPGetUpdatesSupersededByUpdate WSDL operation.
ExecuteSPGetUpdatesSupersededByUpdateResponse	Contains the response for the ExecuteSPGetUpdatesSupersededByUpdate WSDL operation.

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3.1.4.158.2.1 ExecuteSPGetUpdatesSupersededByUpdate

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate_InputMessage WSDL message defined in section 3.1.4.158.1.1. The format is defined in section 3.1.4.158.3.1.

```
<xsd:element name="ExecuteSPGetUpdatesSupersededByUpdate" nillable="true"
type="tns:ExecuteSPGetUpdatesSupersededByUpdateRequestBody"/>
```

3.1.4.158.2.2 ExecuteSPGetUpdatesSupersededByUpdateResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdatesSupersededByUpdate_OutputMessage WSDL message defined in section 3.1.4.158.1.2. The format is defined in section 3.1.4.158.3.2.

```
<xsd:element name="ExecuteSPGetUpdatesSupersededByUpdateResponse" nillable="true"
type="tns:ExecuteSPGetUpdatesSupersededByUpdateResponseBody"/>
```

3.1.4.158.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdatesSupersededByUpdateRequestBody	Contains the criteria to search for the list of revisions for an update that supersede a specified update.
ExecuteSPGetUpdatesSupersededByUpdateResponseBody	Contains a list of revisions that match the search criteria.

3.1.4.158.3.1 ExecuteSPGetUpdatesSupersededByUpdateRequestBody

Contains the criteria to search for the list of revisions for an update that supersede a specified update.

```
<xsd:complexType name="ExecuteSPGetUpdatesSupersededByUpdateRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

id: This field MUST be present. It identifies the update for which to search for revisions that are superseded by the update.

3.1.4.158.3.2 ExecuteSPGetUpdatesSupersededByUpdateResponseBody

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Contains a list of revisions that match the search criteria.

```
<xsd:complexType name="ExecuteSPGetUpdatesSupersededByUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetUpdatesSupersededByUpdateResult" nillable="true"
type="tns:CompleteUpdates"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdatesSupersededByUpdateResult: This field MUST be present. It contains a structure representing all revisions of an update that are superseded by the specified update Id. The update server MUST return an empty array if there are no superseded revisions for the specified update.

3.1.4.159 ExecuteSPGetUpdatesThatSupersedeUpdate

The **ExecuteSPGetUpdatesThatSupersedeUpdate** **WSDL operation** gets the updates that supersede a specified update.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetUpdatesThatSupersedeUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesThatSupersedeUpdateRequest"
name="ApiRemotingSoap ExecuteSPGetUpdatesThatSupersedeUpdate InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesThatSupersedeUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesThatSupersedeUpdateResponse"
name="ApiRemotingSoap ExecuteSPGetUpdatesThatSupersedeUpdate OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetUpdatesThatSupersedeUpdate OutputMessage"/>
</wsdl:operation>
```

3.1.4.159.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdatesThatSupersedeUpdate_InputMessage	A WSDL message containing the request for the **ExecuteSPGetUpdatesThatSupersedeUpdate** **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdatesThatSupersedeUpdate_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetUpdatesThatSupersedeUpdate** WSDL operation.

3.1.4.159.1.1 ApiRemotingSoap_ExecuteSPGetUpdatesThatSupersedeUpdate Input Message

The **ApiRemotingSoap_ExecuteSPGetUpdatesThatSupersedeUpdate_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetUpdatesThatSupersedeUpdate** **WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesThatSupersedeUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesThatSupersedeUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesThatSupersedeUpdate"
element="tns:ExecuteSPGetUpdatesThatSupersedeUpdate"/>
</wsdl:message>
```

3.1.4.159.1.2 ApiRemotingSoap_ExecuteSPGetUpdatesThatSupersedeUpdate Output Message

The **ApiRemotingSoap_ExecuteSPGetUpdatesThatSupersedeUpdate_OutputMessage** **WSDL message** contains the response for the ExecuteSPGetUpdatesThatSupersedeUpdate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesThatSupersedeUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesThatSupersedeUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesThatSupersedeUpdateResponse"
element="tns:ExecuteSPGetUpdatesThatSupersedeUpdateResponse"/>
</wsdl:message>
```

3.1.4.159.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetUpdatesThatSupersedeUpdate	Contains the request for the **ExecuteSPGetUpdatesThatSupersedeUpdate** **WSDL operation**.
ExecuteSPGetUpdatesThatSupersedeUpdateResponse	Contains the response for the **ExecuteSPGetUpdatesThatSupersedeUpdate** WSDL operation.

3.1.4.159.2.1 ExecuteSPGetUpdatesThatSupersedeUpdate

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetUpdatesThatSupersedeUpdate_InputMessage** **WSDL message** defined in section 3.1.4.159.1.1. The format is defined in section 3.1.4.159.3.1.

```
<xsd:element name="ExecuteSPGetUpdatesThatSupersedeUpdate" nillable="true"
type="tns:ExecuteSPGetUpdatesThatSupersedeUpdateRequestBody"/>
```

3.1.4.159.2.2 ExecuteSPGetUpdatesThatSupersedeUpdateResponse

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetUpdatesThatSupersedeUpdate_OutputMessage** **WSDL message** defined in section 3.1.4.159.1.2. The format is defined in section 3.1.4.159.3.2.

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```
<xsd:element name="ExecuteSPGetUpdatesThatSupersedeUpdateResponse" nillable="true"
type="tns:ExecuteSPGetUpdatesThatSupersedeUpdateResponseBody"/>
```

3.1.4.159.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdatesThatSupersedeUpdateRequestBody	Contains the criteria to search for the updates that supersede a specified update.
ExecuteSPGetUpdatesThatSupersedeUpdateResponseBody	Contains a list of updates that supersede the specified update.

3.1.4.159.3.1 ExecuteSPGetUpdatesThatSupersedeUpdateRequestBody

Contains the criteria to search for the updates that supersede a specified update.

```
<xsd:complexType name="ExecuteSPGetUpdatesThatSupersedeUpdateRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

id: This field MUST be present. It specifies the update ID for which to search for updates that supersede the specified update.

3.1.4.159.3.2 ExecuteSPGetUpdatesThatSupersedeUpdateResponseBody

Contains a list of updates that supersede the specified update.

```
<xsd:complexType name="ExecuteSPGetUpdatesThatSupersedeUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetUpdatesThatSupersedeUpdateResult" nillable="true"
type="tns:CompleteUpdates"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdatesThatSupersedeUpdateResult: This field MUST be present. It contains a list of updates that supersede the specified update. When no updates supersede the specified update, an empty collection is returned.

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3.1.4.160 ExecuteSPGetUpdatesRequiredByUpdate

The **ExecuteSPGetUpdatesRequiredByUpdate** **WSDL operation** retrieves the updates that are required by a specified update.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetUpdatesRequiredByUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesRequiredByUpdateRequest"
name="ApiRemotingSoap ExecuteSPGetUpdatesRequiredByUpdate InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesRequiredByUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesRequiredByUpdateResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdatesRequiredByUpdate_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetUpdatesRequiredByUpdate OutputMessage"/>
</wsdl:operation>
```

3.1.4.160.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdatesRequiredByUpdate_InputMessage	A WSDL message containing the request for the **ExecuteSPGetUpdatesRequiredByUpdate** **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdatesRequiredByUpdate_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetUpdatesRequiredByUpdate** WSDL operation.

3.1.4.160.1.1 ApiRemotingSoap_ExecuteSPGetUpdatesRequiredByUpdate Input Message

The ApiRemotingSoap_ExecuteSPGetUpdatesRequiredByUpdate_InputMessage **WSDL message** contains the request for the ExecuteSPGetUpdatesRequiredByUpdate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesRequiredByUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesRequiredByUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesRequiredByUpdate"
element="tns:ExecuteSPGetUpdatesRequiredByUpdate"/>
</wsdl:message>
```

3.1.4.160.1.2 ApiRemotingSoap_ExecuteSPGetUpdatesRequiredByUpdate Output Message

The **ApiRemotingSoap_ExecuteSPGetUpdatesRequiredByUpdate_OutputMessage** **WSDL message** contains the response for the **ExecuteSPGetUpdatesRequiredByUpdate** **WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesRequiredByUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesRequiredByUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesRequiredByUpdateResponse"
element="tns:ExecuteSPGetUpdatesRequiredByUpdateResponse"/>
</wsdl:message>
```

3.1.4.160.2 Elements

This operation includes the following **WSDL** elements.

Element	Description
ExecuteSPGetUpdatesRequiredByUpdate	Contains the request for the **ExecuteSPGetUpdatesRequiredByUpdate WSDL operation**.
ExecuteSPGetUpdatesRequiredByUpdateResponse	Contains the response for the **ExecuteSPGetUpdatesRequiredByUpdate** WSDL operation.

3.1.4.160.2.1 ExecuteSPGetUpdatesRequiredByUpdate

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetUpdatesRequiredByUpdate_InputMessage WSDL message** defined in section 3.1.4.160.1.1. The format is defined in section 3.1.4.160.3.1.

```
<xsd:element name="ExecuteSPGetUpdatesRequiredByUpdate" nillable="true"
type="tns:ExecuteSPGetUpdatesRequiredByUpdateRequestBody"/>
```

3.1.4.160.2.2 ExecuteSPGetUpdatesRequiredByUpdateResponse

This element contains the body of the **ApiRemotingSoap_ExecuteSPGetUpdatesRequiredByUpdate_OutputMessage WSDL message** defined in section 3.1.4.160.1.2. The format is defined in section 3.1.4.160.3.2.

```
<xsd:element name="ExecuteSPGetUpdatesRequiredByUpdateResponse" nillable="true"
type="tns:ExecuteSPGetUpdatesRequiredByUpdateResponseBody"/>
```

3.1.4.160.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdatesRequiredByUpdateRequestBody	Contains the criteria to search for the list of updates that are required by the specified update.
ExecuteSPGetUpdatesRequiredByUpdateResponseBody	Contains the list of updates that are required by the specified update.

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3.1.4.160.3.1 ExecuteSPGetUpdatesRequiredByUpdateRequestBody

Contains the criteria to search for the list of updates that are required by the specified update.

```
<xsd:complexType name="ExecuteSPGetUpdatesRequiredByUpdateRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

id: This field MUST be present. It specifies the update ID for which to search for updates that required by the specified update.

3.1.4.160.3.2 ExecuteSPGetUpdatesRequiredByUpdateResponseBody

Contains the list of updates that are required by the specified update.

```
<xsd:complexType name="ExecuteSPGetUpdatesRequiredByUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetUpdatesRequiredByUpdateResult"
nillable="true" type="tns:CompleteUpdates"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdatesRequiredByUpdateResult: This field MUST be present. It contains a list of updates that are required by the specified update. When no updates are required by the specified update, an empty collection is returned.

3.1.4.161 ExecuteSPGetUpdatesThatRequireUpdate

The ExecuteSPGetUpdatesThatRequireUpdate WSDL operation retrieves the updates that require a specified update.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPGetUpdatesThatRequireUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesThatRequireUpdateRequest"
name="ApiRemotingSoap ExecuteSPGetUpdatesThatRequireUpdate InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesThatRequireUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetUpdatesThatRequireUpdateResponse"
name="ApiRemotingSoap_ExecuteSPGetUpdatesThatRequireUpdate_OutputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetUpdatesThatRequireUpdate_OutputMessage"/>
</wsdl:operation>
```


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3.1.4.161.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetUpdatesThatRequireUpdate_InputMessage	A WSDL message containing the request for the **ExecuteSPGetUpdatesThatRequireUpdate WSDL operation**.
ApiRemotingSoap_ExecuteSPGetUpdatesThatRequireUpdate_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetUpdatesThatRequireUpdate** WSDL operation.

3.1.4.161.1.1 ApiRemotingSoap_ExecuteSPGetUpdatesThatRequireUpdate Input Message

The **ApiRemotingSoap_ExecuteSPGetUpdatesThatRequireUpdate_InputMessage WSDL message** contains the request for the **ExecuteSPGetUpdatesThatRequireUpdate WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesThatRequireUpdateRequest
<wsdl:message name="ApiRemotingSoap ExecuteSPGetUpdatesThatRequireUpdate InputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesThatRequireUpdate"
element="tns:ExecuteSPGetUpdatesThatRequireUpdate"/>
</wsdl:message>
```

3.1.4.161.1.2 ApiRemotingSoap_ExecuteSPGetUpdatesThatRequireUpdate Output Message

The **ApiRemotingSoap_ExecuteSPGetUpdatesThatRequireUpdate_OutputMessage WSDL message** contains the response for the **ExecuteSPGetUpdatesThatRequireUpdate WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetUpdatesThatRequireUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetUpdatesThatRequireUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetUpdatesThatRequireUpdateResponse"
element="tns:ExecuteSPGetUpdatesThatRequireUpdateResponse"/>
</wsdl:message>
```

3.1.4.161.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetUpdatesThatRequireUpdate	Contains the request for the ExecuteSPGetUpdatesThatRequireUpdate WSDL

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Element	Description
	operation.
ExecuteSPGetUpdatesThatRequireUpdateResponse	Contains the response for the ExecuteSPGetUpdatesThatRequireUpdate WSDL operation.

3.1.4.161.2.1 ExecuteSPGetUpdatesThatRequireUpdate

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdatesThatRequireUpdate_InputMessage WSDL message defined in section 3.1.4.161.1.1. The format is defined in section 3.1.4.161.3.1.

```
<xsd:element name="ExecuteSPGetUpdatesThatRequireUpdate" nillable="true"
type="tns:ExecuteSPGetUpdatesThatRequireUpdateRequestBody"/>
```

3.1.4.161.2.2 ExecuteSPGetUpdatesThatRequireUpdateResponse

This element contains the body of the ApiRemotingSoap_ExecuteSPGetUpdatesThatRequireUpdate_OutputMessage WSDL message defined in section 3.1.4.161.1.2. The format is defined in section 3.1.4.161.3.2.

```
<xsd:element name="ExecuteSPGetUpdatesThatRequireUpdateResponse" nillable="true"
type="tns:ExecuteSPGetUpdatesThatRequireUpdateResponseBody"/>
```

3.1.4.161.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetUpdatesThatRequireUpdateRequestBody	Contains the criteria to search for updates that require a specified update.
ExecuteSPGetUpdatesThatRequireUpdateResponseBody	Contains the list of updates that require the specified update.

3.1.4.161.3.1 ExecuteSPGetUpdatesThatRequireUpdateRequestBody

This complex type contains the criteria to search for updates that require a specified update.

```
<xsd:complexType name="ExecuteSPGetUpdatesThatRequireUpdateRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="preferredCulture" nillable="true"
type="xsd:string"/>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

preferredCulture: This field MUST be present. It contains a language identifier as defined in [RFC1766] that denotes the preferred language to use when returning results.

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Note The WSUS server SHOULD return results in the default language, if the preferred language is not available.

id: This field MUST be present. It specifies the update ID to use to search for updates that require the specified update.

3.1.4.161.3.2ExecuteSPGetUpdatesThatRequireUpdateResponseBody

Contains the list of updates that require the specified update.

```
<xsd:complexType name="ExecuteSPGetUpdatesThatRequireUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetUpdatesThatRequireUpdateResult" nillable="true"
type="tns:CompleteUpdates"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetUpdatesThatRequireUpdateResult: This field MUST be present. It contains a list of updates that require the specified update. When no updates require the specified update, an empty collection is returned.

3.1.4.162 ExecuteSPGetLanguagesForUpdate

The ExecuteSPGetLanguagesForUpdate **WSDL operation** gets all of the languages that are supported by the specified update.

This operation is specified by the following **WSDL**.

```
<wsdl:operation name="ExecuteSPGetLanguagesForUpdate">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetLanguagesForUpdateRequest"
name="ApiRemotingSoap ExecuteSPGetLanguagesForUpdate InputMessage"
message="tns:ApiRemotingSoap_ExecuteSPGetLanguagesForUpdate_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetLanguagesForUpdateResponse"
name="ApiRemotingSoap_ExecuteSPGetLanguagesForUpdate_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetLanguagesForUpdate OutputMessage"/>
</wsdl:operation>
```

3.1.4.162.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetLanguagesForUpdate_InputMessage	A WSDL message containing the request for the **ExecuteSPGetLanguagesForUpdate WSDL operation**.
ApiRemotingSoap_ExecuteSPGetLanguagesForUpdate_OutputMessage	A WSDL message containing the response for the **ExecuteSPGetLanguagesForUpdate** WSDL operation.

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3.1.4.162.1.1 ApiRemotingSoap_ExecuteSPGetLanguagesForUpdate Input Message

The **ApiRemotingSoap_ExecuteSPGetLanguagesForUpdate_InputMessage** **WSDL message** contains the request for the **ExecuteSPGetLanguagesForUpdate** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetLanguagesForUpdateRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetLanguagesForUpdate_InputMessage">
  <wsdl:part name="ExecuteSPGetLanguagesForUpdate"
element="tns:ExecuteSPGetLanguagesForUpdate"/>
</wsdl:message>
```

3.1.4.162.1.2 ApiRemotingSoap_ExecuteSPGetLanguagesForUpdate Output Message

The ApiRemotingSoap_ExecuteSPGetLanguagesForUpdate_OutputMessage **WSDL message** contains the response for the ExecuteSPGetLanguagesForUpdate **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetLanguagesForUpdateResponse
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetLanguagesForUpdate_OutputMessage">
  <wsdl:part name="ExecuteSPGetLanguagesForUpdateResponse"
element="tns:ExecuteSPGetLanguagesForUpdateResponse"/>
</wsdl:message>
```

3.1.4.162.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetLanguagesForUpdate	Contains the body for the request of the ExecuteSPGetLanguagesForUpdate WSDL operation.
ExecuteSPGetLanguagesForUpdateResponse	Contains the body for the response of the ExecuteSPGetLanguagesForUpdate WSDL operation.

3.1.4.162.2.1 ExecuteSPGetLanguagesForUpdate

This element contains the body of the ApiRemotingSoap_ ExecuteSPGetLanguagesForUpdate _InputMessage WSDL message defined in section 3.1.4.162.1.1. The format is defined in section 3.1.4.162.3.1.

```
<xsd:element name="ExecuteSPGetLanguagesForUpdate" nillable="true"
type="tns:ExecuteSPGetLanguagesForUpdateRequestBody"/>
```

3.1.4.162.2.2 ExecuteSPGetLanguagesForUpdateResponse

This element contains the body of the ApiRemotingSoap_ ExecuteSPGetLanguagesForUpdate _OutputMessage WSDL message defined in section 3.1.4.162.1.2. The format is defined in section 3.1.4.162.3.2.

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```
<xsd:element name="ExecuteSPGetLanguagesForUpdateResponse" nillable="true"
type="tns:ExecuteSPGetLanguagesForUpdateResponseBody"/>
```

3.1.4.162.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetLanguagesForUpdateRequestBody	Contains the criteria to search for all of the languages that are supported by a specified update.
ExecuteSPGetLanguagesForUpdateResponseBody	Contains the set of languages that are supported by the specified update.

3.1.4.162.3.1 ExecuteSPGetLanguagesForUpdateRequestBody

This complex type contains the criteria to search for all of the languages that are supported by a specified update.

```
<xsd:complexType name="ExecuteSPGetLanguagesForUpdateRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

id: This field MUST be present. It specifies the update ID for which to search for languages that are supported by the specified update. If the unique ID of the update is NULL, the server MUST send a SOAP fault as specified in section 3.1.4.1.

3.1.4.162.3.2 ExecuteSPGetLanguagesForUpdateResponseBody

Contains the set of languages that are supported by the specified update.

```
<xsd:complexType name="ExecuteSPGetLanguagesForUpdateResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetLanguagesForUpdateResult"
nillable="true" type="tns:ArrayOfString"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetLanguagesForUpdateResult: This field MUST be present. It contains the set of languages that are supported by the specified update.

3.1.4.163 ExecuteSPGetContentDownloadProgress

The ExecuteSPGetContentDownloadProgress WSDL operation gets the progress of content that is currently downloading.

This operation is specified by the following WSDL.

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```
<wsdl:operation name="ExecuteSPGetContentDownloadProgress">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetContentDownloadProgressRequest"
name="ApiRemotingSoap_ExecuteSPGetContentDownloadProgress_InputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetContentDownloadProgress InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRe
motingSoap/ExecuteSPGetContentDownloadProgressResponse"
name="ApiRemotingSoap_ExecuteSPGetContentDownloadProgress_OutputMessage"
message="tns:ApiRemotingSoap ExecuteSPGetContentDownloadProgress OutputMessage"/>
</wsdl:operation>
```

3.1.4.163.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ApiRemotingSoap_ExecuteSPGetContentDownloadProgress_InputMessage	A WSDL message containing the request for the ExecuteSPGetContentDownloadProgress **WSDL operation**.
ApiRemotingSoap_ExecuteSPGetContentDownloadProgress_OutputMessage	A WSDL message containing the response for the ExecuteSPGetContentDownloadProgress WSDL operation.

3.1.4.163.1.1 ApiRemotingSoap_ExecuteSPGetContentDownloadProgress Input Message

The ApiRemotingSoap_ExecuteSPGetContentDownloadProgress_InputMessage **WSDL message** contains the request for the ExecuteSPGetContentDownloadProgress **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetContentDownloadProgressRequest
<wsdl:message name="ApiRemotingSoap_ExecuteSPGetContentDownloadProgress_InputMessage">
  <wsdl:part name="ExecuteSPGetContentDownloadProgress"
element="tns:ExecuteSPGetContentDownloadProgress"/>
</wsdl:message>
```

3.1.4.163.1.2 ApiRemotingSoap_ExecuteSPGetContentDownloadProgress Output Message

The ApiRemotingSoap_ExecuteSPGetContentDownloadProgress_OutputMessage **WSDL message** contains the response for the ExecuteSPGetContentDownloadProgress **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPGetContentDownloadProgressResponse
<wsdl:message name="ApiRemotingSoap ExecuteSPGetContentDownloadProgress OutputMessage">
  <wsdl:part name="ExecuteSPGetContentDownloadProgressResponse"
element="tns:ExecuteSPGetContentDownloadProgressResponse"/>
```


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```
</wsdl:message>
```

3.1.4.163.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPGetContentDownloadProgress	Contains the body for the request of the ExecuteSPGetContentDownloadProgress WSDL operation.
ExecuteSPGetContentDownloadProgressResponse	Contains the body for the response of the ExecuteSPGetContentDownloadProgress WSDL operation.

3.1.4.163.2.1 ExecuteSPGetContentDownloadProgress

This element contains the body of the ApiRemotingSoap_ ExecuteSPGetContentDownloadProgress _InputMessage WSDL message defined in section 3.1.4.163.1.1. The format is defined in section 3.1.4.163.3.1.

```
<xsd:element name="ExecuteSPGetContentDownloadProgress" nillable="true"
type="q1:ExecuteSPGetContentDownloadProgressRequestBody"/>
```

3.1.4.163.2.2 ExecuteSPGetContentDownloadProgressResponse

This element contains the body of ApiRemotingSoap_ ExecuteSPGetContentDownloadProgress _OutputMessage WSDL message defined in section 3.1.4.159.1.2. The format is defined in section 3.1.4.159.3.2.

```
<xsd:element name="ExecuteSPGetContentDownloadProgressResponse" nillable="true"
type="tns:ExecuteSPGetContentDownloadProgressResponseBody"/>
```

3.1.4.163.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPGetContentDownloadProgressRequestBody	Contains the criteria to search for the progress of content that is currently downloading.
ExecuteSPGetContentDownloadProgressResponseBody	Contains the criteria to search for the progress of content that is currently downloading.

3.1.4.163.3.1 ExecuteSPGetContentDownloadProgressRequestBody

Contains the criteria to search for the progress of content that is currently downloading. This complex type does not contain any data.

```
<xsd:complexType name="ExecuteSPGetContentDownloadProgressRequestBody"/>
```


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3.1.4.163.3.2 ExecuteSPGetContentDownloadProgressResponseBody

Contains the criteria to search for the progress of content that is currently downloading.

```
<xsd:complexType name="ExecuteSPGetContentDownloadProgressResponseBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetContentDownloadProgressResult"
nillable="true" type="tns:GenericReadableRow"/>
  </xsd:sequence>
</xsd:complexType>
```

ExecuteSPGetContentDownloadProgressResult: This field MUST be present. It specifies the number of bytes that have already been downloaded and the number of bytes remaining.

3.1.4.164 ExecuteSPCancelAllDownloads

The ExecuteSPCancelAllDownloads WSDL operation cancels all currently running content downloads.

Note Invoking this operation does not affect metadata downloads that are downloaded as part of a running subscription.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPCancelAllDownloads">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/SoftwareDistribution/
       Server/ApiRemotingWebService/ApiRemotingSoap/
       ExecuteSPCancelAllDownloadsRequest" name="ExecuteSPCancelAllDownloadsSoapIn"
       message="tns:ExecuteSPCancelAllDownloadsSoapIn"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/SoftwareDistribution/
       Server/ApiRemotingWebService/ApiRemotingSoap/
       ExecuteSPCancelAllDownloadsResponse" name="ExecuteSPCancelAllDownloadsSoapOut"
       message="tns:ExecuteSPCancelAllDownloadsSoapOut"/>
</wsdl:operation>
```

3.1.4.164.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ExecuteSPCancelAllDownloadsSoapIn	A WSDL message containing the request for the ExecuteSPCancelAllDownloads **WSDL operation**.
ExecuteSPCancelAllDownloadsSoapOut	A WSDL message containing the response for the ExecuteSPCancelAllDownloads WSDL operation.

3.1.4.164.1.1 ExecuteSPCancelAllDownloadsSoapIn Input Message

The ExecuteSPCancelAllDownloadsSoapIn **WSDL message** contains the request for the ExecuteSPCancelAllDownloads **WSDL operation**.

The **SOAP action** value is:

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```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCancelAllDownloads
<wsdl:message name="ExecuteSPCancelAllDownloadsSoapIn">
  <wsdl:part name="ExecuteSPCancelAllDownloads" element="tns:ExecuteSPCancelAllDownloads"/>
</wsdl:message>
```

3.1.4.164.1.2ExecuteSPCancelAllDownloadsSoapOut Output Message

The ExecuteSPCancelAllDownloadsSoapOut **WSDL message** contains the response for the ExecuteSPCancelAllDownloads **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCancelAllDownloadsResponse
<wsdl:message name="ExecuteSPCancelAllDownloadsSoapOut">
  <wsdl:part name="ExecuteSPCancelAllDownloadsResponse"
element="tns:ExecuteSPCancelAllDownloadsResponse"/>
</wsdl:message>
```

3.1.4.164.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPCancelAllDownloads	Contains the body for the request of the ExecuteSPCancelAllDownloads WSDL operation.
ExecuteSPCancelAllDownloadsResponse	Contains the body for the response of the ExecuteSPCancelAllDownloads WSDL operation.

3.1.4.164.2.1ExecuteSPCancelAllDownloads

Contains the body for the request of the ExecuteSPCancelAllDownloads WSDL operation. This element does not contain any data.

```
<xsd:element name="ExecuteSPCancelAllDownloads">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.164.2.2ExecuteSPCancelAllDownloadsResponse

Contains the body for the response of the ExecuteSPCancelAllDownloads WSDL operation. This element does not contain any data.

```
<xsd:element name="ExecuteSPCancelAllDownloadsResponse">
  <xsd:complexType/>
</xsd:element>
```


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3.1.4.165 ExecuteSPCancelDownload

The ExecuteSPCancelDownload WSDL operation cancels the content download for an update and all dependent updates for which the update state is NotReady. All other dependent updates are not affected by this operation.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPCancelDownload">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/SoftwareDistribution/
       Server/ApiRemotingWebService/ApiRemotingSoap/
       ExecuteSPCancelDownloadRequest" name="ExecuteSPCancelDownloadSoapIn"
       message="tns:ExecuteSPCancelDownloadSoapIn"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/SoftwareDistribution/
       Server/ApiRemotingWebService/ApiRemotingSoap/
       ExecuteSPCancelDownloadResponse" name="ExecuteSPCancelDownloadSoapOut"
       message="tns:ExecuteSPCancelDownloadSoapOut"/>
</wsdl:operation>
```

3.1.4.165.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ExecuteSPCancelDownloadSoapIn	A WSDL message containing the request for the ExecuteSPCancelDownload **WSDL operation**.
ExecuteSPCancelDownloadSoapOut	A WSDL message containing the response for the ExecuteSPCancelDownload WSDL operation.

3.1.4.165.1.1 ExecuteSPCancelDownloadSoapIn Input Message

The ExecuteSPCancelDownloadSoapIn **WSDL message** contains the request for the ExecuteSPCancelDownload **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCancelDownloads
<wsdl:message name="ExecuteSPCancelDownloadSoapIn">
  <wsdl:part name="ExecuteSPCancelDownload" element="tns:ExecuteSPCancelDownload"/>
</wsdl:message>
```

3.1.4.165.1.2 ExecuteSPCancelDownloadSoapOut Output Message

The ExecuteSPCancelDownloadSoapOut **WSDL message** contains the response for the ExecuteSPCancelDownload **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPCancelDownloadResponse
<wsdl:message name="ExecuteSPCancelDownloadSoapOut">
```


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```
  <wsdl:part name="ExecuteSPCancelDownloadResponse"
element="tns:ExecuteSPCancelDownloadResponse"/>
</wsdl:message>
```

3.1.4.165.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPCancelDownload	Contains the body for the request of the ExecuteSPCancelDownload WSDL operation.
ExecuteSPCancelDownloadResponse	Contains the body for the response of the ExecuteSPCancelDownload WSDL operation.

3.1.4.165.2.1 ExecuteSPCancelDownload

This element contains the body of the ExecuteSPCancelDownloadSoapIn Input Message (section 3.1.4.165.1.1). The format is defined in section 3.1.4.165.3.1.

```
<xsd:element name="ExecuteSPCancelDownload">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1"
         name="id" type="tns:UpdateRevisionId" />
    </s:sequence>
  </s:complexType>
</xsd:element>
```

id: This field MUST be present. It specifies the update for which to cancel the content download.

3.1.4.165.2.2 ExecuteSPCancelDownloadResponse

This element contains the body of the ExecuteSPCancelDownloadSoapOut Output Message (section 3.1.4.165.1.2). The format is defined in section 3.1.4.165.3.2. This element does not contain any data.

```
<xsd:element name="ExecuteSPCancelDownloadResponse">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.165.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPCancelDownloadRequestBody	Specifies the update for which to cancel the download.
ExecuteSPCancelDownloadResponseBody	This complex data type does not contain any data.

3.1.4.165.3.1 ExecuteSPCancelDownloadRequestBody

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Contains the revision of the update for which to cancel the download.

```
<xsd:complexType name="ExecuteSPCancelDownloadRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

id: This field MUST be present. It specifies the update for which to cancel the content download.

3.1.4.165.3.2 ExecuteSPCancelDownloadResponseBody

This complex data type does not contain any data.

```
<xsd:complexType name="ExecuteSPCancelDownloadResponseBody"/>
```

3.1.4.166 ExecuteSPResumeAllDownloads

The ExecuteSPResumeAllDownloads WSDL operation attempts to resume downloading content for all failed and cancelled updates. An update is considered failed or cancelled when the state of the update is Cancelled, Failed, or EulaFailed.

Note This operation does not affect a running subscription that only downloads the metadata of available updates.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPResumeAllDownloads">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/SoftwareDistribution/
       Server/ApiRemotingWebService/ApiRemotingSoap/
       ExecuteSPResumeAllDownloadsRequest" name="ExecuteSPResumeAllDownloadsSoapIn"
       message="tns:ExecuteSPResumeAllDownloadsSoapIn"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/SoftwareDistribution/
       Server/ApiRemotingWebService/ApiRemotingSoap/
       ExecuteSPResumeAllDownloadsResponse" name="ExecuteSPResumeAllDownloadsSoapOut"
       message="tns:ExecuteSPResumeAllDownloadsSoapOut"/>
</wsdl:operation>
```

3.1.4.166.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ExecuteSPResumeAllDownloadsSoapIn	A WSDL message containing the request for the ExecuteSPResumeAllDownloads **WSDL operation**.
ExecuteSPResumeAllDownloadsSoapOut	A WSDL message containing the response for the ExecuteSPResumeAllDownloads WSDL operation.

3.1.4.166.1.1 ExecuteSPResumeAllDownloadsSoapIn Input Message

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The ExecuteSPResumeAllDownloadsSoapIn **WSDL message** contains the request for the ExecuteSPResumeAllDownloads **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPResumeAllDownloads
<wsdl:message name="ExecuteSPResumeAllDownloadsSoapIn">
  <wsdl:part name="ExecuteSPResumeAllDownloads" element="tns:ExecuteSPResumeAllDownloads"/>
</wsdl:message>
```

3.1.4.166.1.2ExecuteSPResumeAllDownloadsSoapOut Output Message

The ExecuteSPResumeAllDownloadsSoapOut **WSDL message** contains the response for the ExecuteSPResumeAllDownloads **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPResumeAllDownloadsResponse
<wsdl:message name="ExecuteSPResumeAllDownloadsSoapOut">
  <wsdl:part name="ExecuteSPResumeAllDownloadsResponse"
element="tns:ExecuteSPResumeAllDownloadsResponse"/>
</wsdl:message>
```

3.1.4.166.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPResumeAllDownloads	Contains the body for the request of the ExecuteSPResumeAllDownloads WSDL operation.
ExecuteSPResumeAllDownloadsResponse	Contains the body for the response of the ExecuteSPResumeAllDownloads WSDL operation.

3.1.4.166.2.1ExecuteSPResumeAllDownloads

This element does not contain any data.

```
<xsd:element name="ExecuteSPResumeAllDownloads">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.166.2.2ExecuteSPResumeAllDownloadsResponse

This element does not contain any data.

```
<xsd:element name="ExecuteSPResumeAllDownloadsResponse">
  <xsd:complexType/>
</xsd:element>
```


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3.1.4.167 ExecuteSPResumeDownload

The ExecuteSPResumeDownload operation resumes a failed or cancelled content download for a specified update. An update is considered failed or canceled if the state of that update is Cancelled, Failed, or EulaFailed.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPResumeDownload">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/SoftwareDistribution/
       Server/ApiRemotingWebService/ApiRemotingSoap/
       ExecuteSPResumeDownloadRequest" name="ExecuteSPResumeDownloadSoapIn"
       message="tns:ExecuteSPResumeDownloadSoapIn"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/SoftwareDistribution/
       Server/ApiRemotingWebService/ApiRemotingSoap/
       ExecuteSPResumeDownloadResponse" name="ExecuteSPResumeDownloadSoapOut"
       message="tns:ExecuteSPResumeDownloadSoapOut"/>
</wsdl:operation>
```

3.1.4.167.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ExecuteSPResumeDownloadSoapIn	A WSDL message containing the request for the ExecuteSPResumeDownload **WSDL operation**.
ExecuteSPResumeDownloadSoapOut	A WSDL message containing the response for the ExecuteSPResumeDownload WSDL operation.

3.1.4.167.1.1 ExecuteSPResumeDownloadSoapIn Input Message

The ExecuteSPResumeDownloadSoapIn **WSDL message** contains the request for the ExecuteSPResumeDownload **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPResumeDownload
<wsdl:message name="ExecuteSPResumeDownloadSoapIn">
  <wsdl:part name="ExecuteSPResumeDownload" element="tns:ExecuteSPResumeDownload"/>
</wsdl:message>
```

3.1.4.167.1.2 ExecuteSPResumeDownloadSoapOut Output Message

The ExecuteSPResumeDownloadSoapOut **WSDL message** contains the response for the ExecuteSPResumeDownload **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPResumeDownloadResponse
<wsdl:message name="ExecuteSPResumeDownloadSoapOut">
```


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```
  <wsdl:part name="ExecuteSPResumeDownloadResponse"
element="tns:ExecuteSPResumeDownloadResponse"/>
</wsdl:message>
```

3.1.4.167.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPResumeDownload	Contains the body for the request of the ExecuteSPResumeDownload WSDL operation.
ExecuteSPResumeDownloadResponse	Contains the body for the response of the ExecuteSPResumeDownload WSDL operation.

3.1.4.167.2.1 ExecuteSPResumeDownload

This element contains the body of the ExecuteSPResumeDownloadSoapIn Input Message (section 3.1.4.167.1.1). The format is defined in section 3.1.4.167.3.1.

```
<xsd:element name="ExecuteSPResumeDownload">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1"
         name="id" type="tns:UpdateRevisionId" />
    </s:sequence>
  </s:complexType>
</xsd:element>
```

id: This field MUST be present. It specifies the update for which to resume the content download.

3.1.4.167.2.2 ExecuteSPResumeDownloadResponse

This element contains the body of the ExecuteSPResumeDownloadSoapOut Output Message (section 3.1.4.167.1.2). The format is defined in section 3.1.4.167.3.2. This element does not contain any data.

```
<xsd:element name="ExecuteSPResumeDownloadResponse">
  <xsd:complexType/>
</xsd:element>
```

3.1.4.167.3 Complex Types

This operation includes the following complex types.

Complex type	Description
ExecuteSPResumeDownloadRequestBody	Specifies the update for which to resume the download of content.
ExecuteSPResumeDownloadResponseBody	This complex type does not contain any data.

3.1.4.167.3.1 ExecuteSPResumeDownloadRequestBody

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Contains the revision of the update for which to cancel the download.

```
<xsd:complexType name="ExecuteSPCancelDownloadRequestBody">
  <xsd:sequence>
    <xsd:element minOccurs="0" maxOccurs="1" name="id" nillable="true"
type="tns:UpdateRevisionId"/>
  </xsd:sequence>
</xsd:complexType>
```

id: This field MUST be present. It specifies the update for which to resume the content download. The format of this field is defined in section 2.2.4.15.

3.1.4.167.3.2ExecuteSPResumeDownloadResponseBody

This complex data type does not contain any data.

```
<xsd:complexType name="ExecuteSPCancelDownloadResponseBody"/>
```

3.1.4.168 ExecuteSPPurgeReportingEventInstances

The ExecuteSPPurgeReportingEventInstances WSDL operation deletes one or more ReportingEvent instances based on a set of filters that are defined in section 3.1.4.168.3.1. The ReportingEvent structure is defined in [MS-WUSP] section 2.2.2.3.1.

This operation is specified by the following WSDL.

```
<wsdl:operation name="ExecuteSPPurgeReportingEventInstances">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/SoftwareDistribution/
       Server/ApiRemotingWebService/ApiRemotingSoap/
       ExecuteSPPurgeReportingEventInstancesRequest"
name="ExecuteSPPurgeReportingEventInstancesSoapIn"
       message="tns:ExecuteSPPurgeReportingEventInstancesSoapIn"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/SoftwareDistribution/
       Server/ApiRemotingWebService/ApiRemotingSoap/
       ExecuteSPPurgeReportingEventInstancesResponse"
name="ExecuteSPPurgeReportingEventInstancesSoapOut"
       message="tns:ExecuteSPPurgeReportingEventInstancesSoapOut"/>
</wsdl:operation>
```

3.1.4.168.1 Messages

This operation includes the following **WSDL messages**.

Message	Description
ExecuteSPPurgeReportingEventInstancesSoapIn	A WSDL message containing the request for the ExecuteSPPurgeReportingEventInstances **WSDL operation**.
ExecuteSPPurgeReportingEventInstancesSoapOut	A WSDL message containing the response for the ExecuteSPPurgeReportingEventInstances WSDL operation.

3.1.4.168.1.1ExecuteSPPurgeReportingEventInstancesSoapIn Input Message

The ExecuteSPPurgeReportingEventInstancesSoapIn **WSDL message** contains the request for the ExecuteSPPurgeReportingEventInstances **WSDL operation**.

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The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPPurgeReportingEventInstances
<wsdl:message name="ExecuteSPPurgeReportingEventInstancesSoapIn">
  <wsdl:part name="ExecuteSPPurgeReportingEventInstances"
element="tns:ExecuteSPPurgeReportingEventInstances"/>
</wsdl:message>
```

3.1.4.168.1.2ExecuteSPPurgeReportingEventInstancesSoapOut Output Message

The ExecuteSPPurgeReportingEventInstancesSoapOut **WSDL message** contains the response for the ExecuteSPPurgeReportingEventInstances **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApiRemotingSoap/Ex
ecuteSPPurgeReportingEventInstancesResponse
<wsdl:message name="ExecuteSPPurgeReportingEventInstancesSoapOut">
  <wsdl:part name="ExecuteSPPurgeReportingEventInstancesResponse"
element="tns:ExecuteSPPurgeReportingEventInstancesResponse"/>
</wsdl:message>
```

3.1.4.168.2 Elements

This operation includes the following WSDL elements.

Element	Description
ExecuteSPPurgeReportingEventInstances	Contains the body for the request of the ExecuteSPPurgeReportingEventInstances WSDL operation.
ExecuteSPPurgeReportingEventInstancesResponse	Contains the body for the response of the ExecuteSPPurgeReportingEventInstances WSDL operation.

3.1.4.168.2.1ExecuteSPPurgeReportingEventInstances

This element contains the body of the ExecuteSPPurgeReportingEventInstancesSoapIn Input Message (section 3.1.4.168.1.1). The format is defined in section 3.1.4.168.3.1.

```
<xsd:element name="ExecuteSPPurgeReportingEventInstances" nillable="true"
type="tns:ExecuteSPPurgeReportingEventInstancesRequestBody"/>
```

3.1.4.168.2.2ExecuteSPPurgeReportingEventInstancesResponse

This element contains the body of the ExecuteSPPurgeReportingEventInstancesSoapOut Output Message (section 3.1.4.168.1.2). The format is defined in section 3.1.4.168.3.2.

```
<xsd:element name="ExecuteSPPurgeReportingEventInstancesResponse" nillable="true"
type="q1:ExecuteSPPurgeReportingEventInstancesResponseBody"/>
```

3.1.4.168.3 Complex Types

This operation includes the following complex types.

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Complex type	Description
ExecuteSPPurgeReportingEventInstancesRequestBody	Contains properties that are used to filter the set of ReportingEvent instances before the instances are deleted.
ExecuteSPPurgeReportingEventInstancesResponseBody	This complex data type does not contain any data.

3.1.4.168.3.1 ExecuteSPPurgeReportingEventInstancesRequestBody

The ExecuteSPPurgeReportingEventInstancesRequestBody complex type contains properties that are used for filtering the set of ReportingEvent instances before the instances are deleted.

```
<xsd:element name="ExecuteSPPurgeReportingEventInstances">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1"
         name="computerId" type="s:string" />
      <s:element minOccurs="1" maxOccurs="1"
         name="updateId" type="s1:guid" />
      <s:element minOccurs="0" maxOccurs="1"
         name="targetGroupId" type="s:string" />
      <s:element minOccurs="1" maxOccurs="1"
         name="fromDate" type="s:dateTime" />
      <s:element minOccurs="1" maxOccurs="1"
         name="toDate" type="s:dateTime" />
    </s:sequence>
  </s:complexType>
</xsd:element>
```

computerId: If this field is present, it specifies the deletion of ReportingEvent instances for a specific computer.

updateId: If this field is present, it specifies the ReportingEvent instances for a specific update.

targetGroupId: If this field is present, it specifies the deletion of ReportingEvent instances for a specified computer target group.

fromDate: This field specifies the beginning of a time period for which to delete the ReportingEvent instances that were recorded during the specified time period. If this field is present, the **toDate** field MUST also be present.

toDate: This field specifies the end of a time period for which to delete the ReportingEvent instances that were recorded during the specified time period. If this field is present, the **fromDate** field MUST also be present.

3.1.4.168.3.2 ExecuteSPPurgeReportingEventInstancesResponseBody

This complex data type does not contain any data.

```
<xsd:element name="ExecuteSPPurgeReportingEventInstancesResponse">
  <xsd:complexType/>
</xsd:element>
```

3.1.5 Timer Events

None.

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3.1.6 Other Local Events

None.

3.2 Client Details

The client side of this protocol is simply a pass-through. That is, no additional timers or other state is required on the client side of this protocol. Calls made by the higher-layer protocol or application are passed directly to the transport, and the results returned by the transport are passed directly back to the higher-layer protocol or application.

3.2.1 Abstract Data Model

None.

3.2.2 Timers

None.

3.2.3 Initialization

None.

3.2.4 Message Processing Events and Sequencing Rules

None.

3.2.5 Timer Events

None.

3.2.6 Other Local Events

None.

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4 Protocol Examples

The following sections assume that the protocol server implementation has been initialized as follows:

- The protocol server implementation performed a metadata synchronization as defined by [MS-WSUSSS].
- The protocol server implementation performed a server-to-server synchronization for updates in the "Critical Updates" update classification in the "Microsoft Windows Server 2012" category [MS-WSUSSS].
- A client computer named "WSUSAR-CL1.example.com" registered with the protocol server implementation defined in [MS-WUSP].

4.1 Create a Target Group

This example illustrates how a protocol client implementation creates a target group named "Sample Target Group" at the protocol server implementation by using the ExecuteSPCreateTargetGroup1 (section 3.1.4.27) **WSDL operation**.

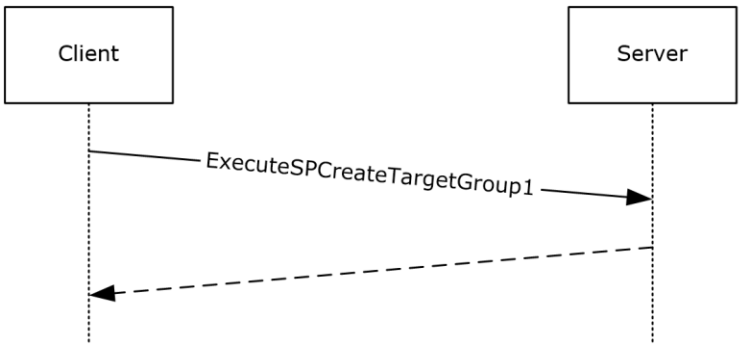

Figure 5: Creating a target group

The client protocol implementation constructs the following **WSDL message**:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <ExecuteSPCreateTargetGroup1
xmlns="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService">
      <name>Sample Target Group</name>
      <parentGroupId>a0a08746-4dbe-4a37-9adf-9e7652c0b421</parentGroupId>
    </ExecuteSPCreateTargetGroup1>
  </soap:Body>
</soap:Envelope>
```

The protocol server implementation responds with the following WSDL message:

```
<?xml version="1.0" encoding="utf-8"?>
```


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```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <ExecuteSPCreateTargetGroup1Response
xmlns="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService">
      <ExecuteSPCreateTargetGroup1Result>
        <Values>
          <anyType xsi:type="xsd:string">Computers</anyType>
          <anyType xsi:type="xsd:string">Sample Target Group</anyType>
          <anyType xmlns:q1="http://microsoft.com/wsdl/types/" xsi:type="q1:guid">c6e4bb9b-
39a6-485d-b956-09826dad6abc</anyType>
          <anyType xsi:type="xsd:int">0</anyType>
          <anyType xsi:type="xsd:int">1</anyType>
        </Values>
      </ExecuteSPCreateTargetGroup1Result>
    </ExecuteSPCreateTargetGroup1Response>
  </soap:Body>
</soap:Envelope>
```

4.2 Search for a Client Computer

This example demonstrates how to search for a client computer named "WSUSAR-CL1.example.com" by using the ExecuteSPSearchComputers (section 3.1.4.38) **WSDL operation**.

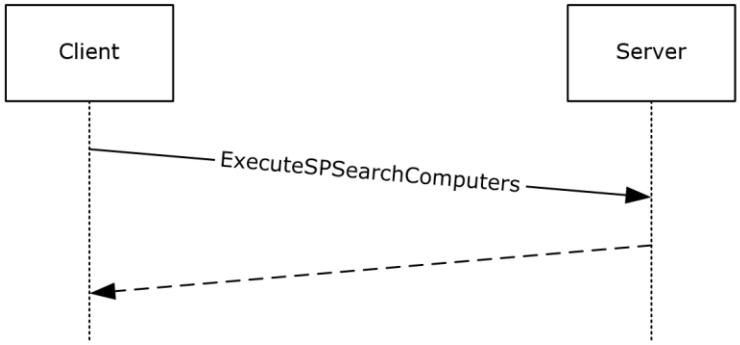

Figure 6: Searching for a client computer

The client protocol implementation constructs the following **WSDL message**:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <ExecuteSPSearchComputers
xmlns="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService">
      <computerTargetScopeXml>&lt;?xml version="1.0" encoding="utf-
16"?&gt;&lt;ComputerTargetScope NameIncludes="%WSUSAR-CL1%" FromLastSyncTime="01-01-1753
00:00:00.000" ToLastSyncTime="12-31-9999 23:59:59.997" FromLastReportedStatusTime="01-01-1753
00:00:00.000" ToLastReportedStatusTime="12-31-9999 23:59:59.997"
IncludedInstallationStates="-1" ExcludedInstallationStates="0"
IncludeDownstreamComputerTargets="0" /&gt;</computerTargetScopeXml>
    </ExecuteSPSearchComputers>
  </soap:Body>
```


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```
</soap:Envelope>
```

The message ExecuteSPSearchComputers (section 3.1.4.38.1) is used to search for a registered client computer that has a name which includes the string "WSUSAR-CL1". In this example, there is exactly one client computer that matches the search string. The protocol server implementation responds with the following WSDL message:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <ExecuteSPSearchComputersResponse
xmlns="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService">
      <ExecuteSPSearchComputersResult>
        <ArrayOfGenericReadableRow>
          <GenericReadableRow>
            <Values>
              <anyType xsi:type="xsd:string">06d109ef-f86b-4b17-bb36-956730cb2eaa</anyType>
              <anyType xsi:type="xsd:dateTime">2013-09-14T00:03:02.867</anyType>
              <anyType xsi:type="xsd:dateTime">2013-09-14T00:03:04.187</anyType>
              <anyType xsi:type="xsd:string">2001:4898:d8:f222:352d:697d:eda6:3f6c</anyType>
              <anyType xsi:type="xsd:string">WSUSAR-CL1.example.com</anyType>
              <anyType xsi:type="xsd:int">6</anyType>
              <anyType xsi:type="xsd:int">3</anyType>
              <anyType xsi:type="xsd:int">9600</anyType>
              <anyType xsi:type="xsd:int">0</anyType>
              <anyType xsi:type="xsd:int">0</anyType>
              <anyType xsi:type="xsd:string">en-US</anyType>
              <anyType xsi:type="xsd:string">Microsoft Corporation</anyType>
              <anyType xsi:type="xsd:string">Virtual Machine</anyType>
              <anyType xsi:type="xsd:string">090006 </anyType>
              <anyType xsi:type="xsd:string">BIOS Date: 05/23/12 17:15:53  Ver:
09.00.06</anyType>
              <anyType xsi:type="xsd:dateTime">2012-05-23T00:00:00</anyType>
              <anyType xsi:type="xsd:string">AMD64</anyType>
              <anyType xsi:nil="true" />
              <anyType xsi:nil="true" />
              <anyType xsi:nil="true" />
              <anyType xsi:type="xsd:int">1</anyType>
              <anyType xsi:type="xsd:short">400</anyType>
              <anyType xsi:type="xsd:unsignedByte">3</anyType>
              <anyType xsi:type="xsd:int">8</anyType>
              <anyType xsi:type="xsd:int">0</anyType>
              <anyType xsi:type="xsd:string">7.9.9600.16384</anyType>
              <anyType xsi:type="xsd:string">Windows</anyType>
              <anyType xsi:nil="true" />
            </Values>
          </GenericReadableRow>
        </ArrayOfGenericReadableRow>
        <ArrayOfGenericReadableRow />
        <ArrayOfGenericReadableRow>
          <GenericReadableRow>
            <Values>
              <anyType xsi:type="xsd:string">06d109ef-f86b-4b17-bb36-956730cb2eaa</anyType>
              <anyType xmlns:q1="http://microsoft.com/wsdl/types/"
xsi:type="q1:guid">b73ca6ed-5727-47f3-84de-015e03f6a88a</anyType>
            </Values>
          </GenericReadableRow>
          <GenericReadableRow>
            <Values>
              <anyType xsi:type="xsd:string">06d109ef-f86b-4b17-bb36-956730cb2eaa</anyType>
              <anyType xmlns:q2="http://microsoft.com/wsdl/types/"
xsi:type="q2:guid">a0a08746-4dbe-4a37-9adf-9e7652c0b421</anyType>
            </Values>
```


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```
          </GenericReadableRow>
        </ArrayOfGenericReadableRow>
      </ExecuteSPSearchComputersResult>
    </ExecuteSPSearchComputersResponse>
  </soap:Body>
</soap:Envelope>
```

4.3 Assign an Update to a Target Group

The client computer "WSUSAR-CL1" from the example in section 4.2 is a member of the target group "Sample Target Group" created in section 4.1. In this example, the update revision 201 of the update identified by the GUID {a4637f98-27fa-4a75-bf2c-a6dcfa1d40a9} is assigned to that target group, that is, a deployment for the update is created and associated with the target group.

The ExecuteSPDeployUpdate1 (section 3.1.4.12) **WSDL operation** is used to create the deployment.

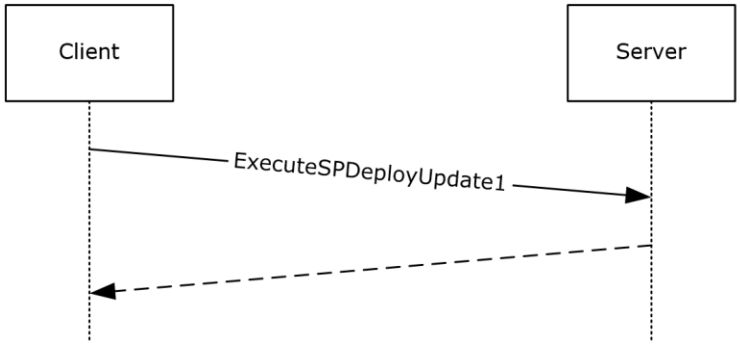

Figure 7: Creating the deployment

The protocol client implementation constructs the following **WSDL message**:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <ExecuteSPDeployUpdate1
xmlns="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService">
      <updateId>
        <UpdateId>a4637f98-27fa-4a75-bf2c-a6dcfa1d40a9</UpdateId>
        <RevisionNumber>201</RevisionNumber>
      </updateId>
      <deploymentAction>0</deploymentAction>
      <targetGroupId>c6e4bb9b-39a6-485d-b956-09826dad6abc</targetGroupId>
      <deadline>9999-12-31T23:59:59.9999999</deadline>
      <adminName>Example\User</adminName>
      <isAssigned>true</isAssigned>
    </ExecuteSPDeployUpdate1>
  </soap:Body>
</soap:Envelope>
```

The protocol server responds with the following WSDL message:

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```
<?xml version="1.0" encoding="utf-8"?>
"?><soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <ExecuteSPDeployUpdate1Response
xmlns="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService">
      <ExecuteSPDeployUpdate1Result>
        <Values>
          <anyType xsi:type="xsd:dateTime">2013-09-16T23:46:50.63</anyType>
          <anyType xsi:type="xsd:unsignedByte">1</anyType>
          <anyType xsi:type="xsd:int">0</anyType>
          <anyType xsi:type="xsd:dateTime">2013-09-16T23:46:50.63</anyType>
          <anyType xsi:nil="true" />
          <anyType xsi:type="xsd:string">Example\User</anyType>
          <anyType xmlns:q1="http://microsoft.com/wsdl/types/" xsi:type="q1:guid">42fdc479-
8155-490c-8f6b-2cb869397c11</anyType>
          <anyType xsi:type="xsd:boolean">true</anyType>
          <anyType xmlns:q2="http://microsoft.com/wsdl/types/" xsi:type="q2:guid">a4637f98-
27fa-4a75-bf2c-a6dcfa1d40a9</anyType>
          <anyType xsi:type="xsd:int">201</anyType>
          <anyType xmlns:q3="http://microsoft.com/wsdl/types/" xsi:type="q3:guid">c6e4bb9b-
39a6-485d-b956-09826dad6abc</anyType>
        </Values>
      </ExecuteSPDeployUpdate1Result>
    </ExecuteSPDeployUpdate1Response>
  </soap:Body>
</soap:Envelope>
```

4.4 List Update Classifications

This example illustrates how to list available update classifications by using the ExecuteSPGetCategories (section 3.1.4.6) **WSDL operation**.

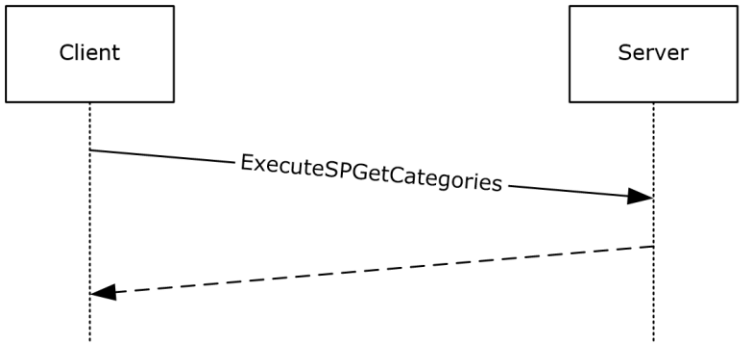

Figure 8: Listing available update classifications

The protocol client implementation constructs the following **WSDL message**:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <ExecuteSPGetCategories
xmlns="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService">
```


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```
      <preferredCulture>en</preferredCulture>
      <retrieveUpdateClassifications>true</retrieveUpdateClassifications>
      <fromSyncDate>0001-01-01T00:00:00</fromSyncDate>
      <toSyncDate>9999-12-31T23:59:59.9999999</toSyncDate>
    </ExecuteSPGetCategories>
  </soap:Body>
</soap:Envelope>
```

The protocol server implementation constructs the following response.

Note The response message has been shortened for the sake of clarity.

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <ExecuteSPGetCategoriesResponse
xmlns="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService">
      <ExecuteSPGetCategoriesResult>
        <GenericReadableRow>
          <Values>
            <anyType xsi:type="xsd:int">5</anyType>
            <anyType xmlns:q3="http://microsoft.com/wsdl/types/" xsi:type="q3:guid">0fa1201d-
4330-4fa8-8ae9-b877473b6441</anyType>
            <anyType xsi:type="xsd:string">UpdateClassification</anyType>
            <anyType xsi:type="xsd:boolean">true</anyType>
            <anyType xsi:type="xsd:boolean">false</anyType>
            <anyType xsi:type="xsd:int">4</anyType>
            <anyType xsi:nil="true" />
            <anyType xsi:type="xsd:string">Security Updates</anyType>
            <anyType xsi:type="xsd:string">A broadly released fix for a product-specific
security-related vulnerability. Security vulnerabilities are rated based on their severity
which is indicated in the Microsoftbulletin as critical, important, moderate, or
low.</anyType>
            <anyType xsi:nil="true" />
            <anyType xsi:type="xsd:dateTime">2013-09-13T18:55:51.377</anyType>
            <anyType xsi:type="xsd:int">0</anyType>
          </Values>
        </GenericReadableRow>
        <GenericReadableRow>
          <Values>
            <anyType xsi:type="xsd:int">1</anyType>
            <anyType xmlns:q9="http://microsoft.com/wsdl/types/" xsi:type="q9:guid">e6cf1350-
c01b-414d-a61f-263d14d133b4</anyType>
            <anyType xsi:type="xsd:string">UpdateClassification</anyType>
            <anyType xsi:type="xsd:boolean">true</anyType>
            <anyType xsi:type="xsd:boolean">false</anyType>
            <anyType xsi:type="xsd:int">0</anyType>
            <anyType xsi:nil="true" />
            <anyType xsi:type="xsd:string">Critical Updates</anyType>
            <anyType xsi:type="xsd:string">A broadly released fix for a specific problem
addressing a critical, non-security related bug.</anyType>
            <anyType xsi:nil="true" />
            <anyType xsi:type="xsd:dateTime">2013-09-13T18:55:49.36</anyType>
            <anyType xsi:type="xsd:int">0</anyType>
          </Values>
        </GenericReadableRow>
        <GenericReadableRow>
          <Values>
            <anyType xsi:type="xsd:int">2</anyType>
            <anyType xmlns:q10="http://microsoft.com/wsdl/types/"
xsi:type="q10:guid">ebfc1fc5-71a4-4f7b-9aca-3b9a503104a0</anyType>
            <anyType xsi:type="xsd:string">UpdateClassification</anyType>
            <anyType xsi:type="xsd:boolean">true</anyType>
            <anyType xsi:type="xsd:boolean">false</anyType>
            <anyType xsi:type="xsd:int">1</anyType>
```


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```
            <anyType xsi:nil="true" />
            <anyType xsi:type="xsd:string">Drivers</anyType>
            <anyType xsi:type="xsd:string">A software component necessary to control or
regulate another device.</anyType>
            <anyType xsi:nil="true" />
            <anyType xsi:type="xsd:dateTime">2013-09-13T18:55:50.833</anyType>
            <anyType xsi:type="xsd:int">0</anyType>
          </Values>
        </GenericReadableRow>
        <!-- further classification omitted -->
      </ExecuteSPGetCategoriesResult>
    </ExecuteSPGetCategoriesResponse>
  </soap:Body>
</soap:Envelope>
```


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5 Security

5.1 Security Considerations for Implementers

WSUS provides for the timely distribution of security-related and other critical updates which are a crucial part of in-depth defense against potential attacks. WSUSAR enables the remote management of WSUS servers, which if compromised, can potentially block the distribution of critical updates to **client computers**. As a result, care needs to be taken to prevent **man in the middle** attacks that compromise the regular distribution of updates.

It is strongly recommended that the server implementation be configured so that all communication is performed over **HTTPS** instead of **HTTP**. Using **Secure Sockets Layer (SSL)** server certificate verification ensures that the client protocol implementation is communicating with the authentic server and forestalls any possible man in the middle attacks. In addition, using an SSL channel between the client and server ensures that otherwise confidential information, such as user names and passwords, is not easily compromised by intercepting the network traffic.

Finally, it is strongly recommended to enable user authentication to restrict access to some or all of the WSDL operations defined in section 3. In general, any operation that modifies the state of the server protocol implementation is only to be performed by a privileged user, such as an administrator or dedicated WSUS administrator.

5.2 Index of Security Parameters

None.

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6 Appendix A: Full WSDL

For ease of implementation, the full WSDL and schema are provided in this appendix.

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:s="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
xmlns:tns="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService"
xmlns:s2="http://www.microsoft.com/SoftwareDistribution/Server/IMonitorable"
xmlns:s1="http://microsoft.com/wsdl/types/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:tm="http://microsoft.com/wsdl/mime/textMatching/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
targetNamespace="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <s:schema elementFormDefault="qualified"
targetNamespace="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService">
      <s:import namespace="http://microsoft.com/wsdl/types/" />
      <s:element name="SignCabForPublishing">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="filePath" type="s:string" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="SignCabForPublishingResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="SignCabForPublishingResult"
type="s:unsignedInt" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="SignCabForPublishingWithTimeStampOption">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="filePath" type="s:string" />
            <s:element minOccurs="1" maxOccurs="1" name="signWithoutTimeStamp"
type="s:boolean" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="SignCabForPublishingWithTimeStampOptionResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1"
name="SignCabForPublishingWithTimeStampOptionResult" type="s:unsignedInt" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="SignCabExForPublishingWithTimeStampOption">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="filePath" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="httpTimeStamp" type="s:string" />
            <s:element minOccurs="1" maxOccurs="1" name="signWithoutTimeStamp"
type="s:boolean" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="SignCabExForPublishingWithTimeStampOptionResponse">
        <s:complexType>
          <s:sequence>
```


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```
            <s:element minOccurs="1" maxOccurs="1"
name="SignCabExForPublishingWithTimeStampOptionResult" type="s:unsignedInt" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ImportUpdateForPublishing">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="susXml" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="uspXml" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="urlData"
type="tns:ArrayOfServerSyncUrlData" />
            <s:element minOccurs="1" maxOccurs="1" name="sdpOnly" type="s:boolean" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:complexType name="ArrayOfServerSyncUrlData">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="unbounded" name="ServerSyncUrlData"
nillable="true" type="tns:ServerSyncUrlData" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="ServerSyncUrlData">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="1" name="FileDigest" type="s:base64Binary" />
          <s:element minOccurs="0" maxOccurs="1" name="MUUrl" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="UssUrl" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="DecryptionKey" type="s:base64Binary"
/>
        </s:sequence>
      </s:complexType>
      <s:element name="ImportUpdateForPublishingResponse">
        <s:complexType />
      </s:element>
      <s:element name="ApplyAutomaticUpdateApprovalRule">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="ruleId" type="s:int" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ApplyAutomaticUpdateApprovalRuleResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1"
name="ApplyAutomaticUpdateApprovalRuleResult" type="tns:ArrayOfUpdateRevisionId" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="AddDynamicCategory">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="id" type="s1:guid" />
            <s:element minOccurs="0" maxOccurs="1" name="name" type="s:string" />
            <s:element minOccurs="1" maxOccurs="1" name="type" type="s:unsignedByte" />
            <s:element minOccurs="1" maxOccurs="1" name="origin" nillable="true"
type="s:unsignedByte" />
            <s:element minOccurs="1" maxOccurs="1" name="isSyncEnabled" nillable="true"
type="s:boolean" />
            <s:element minOccurs="1" maxOccurs="1" name="discoveryTime" nillable="true"
type="s:long" />
            <s:element minOccurs="1" maxOccurs="1" name="targetId" nillable="true"
type="s:int" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="AddDynamicCategoryResponse">
        <s:complexType />
      </s:element>
```


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```
      <s:element name="AddDynamicCategories">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="categories"
type="tns:ArrayOfGenericReadableRow" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="GetDynamicCategory">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="name" type="s:string" />
            <s:element minOccurs="1" maxOccurs="1" name="type" type="s:unsignedByte" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="GetDynamicCategoryResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="GetDynamicCategoryResult"
type="tns:GenericReadableRow" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="GetDynamicCategories">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="skip" type="s:long" />
            <s:element minOccurs="1" maxOccurs="1" name="take" type="s:long" />
            <s:element minOccurs="1" maxOccurs="1" name="type" nillable="true"
type="s:unsignedByte" />
            <s:element minOccurs="1" maxOccurs="1" name="origin" nillable="true"
type="s:unsignedByte" />
            <s:element minOccurs="1" maxOccurs="1" name="isUpdateSyncEnabled" nillable="true"
type="s:boolean" />
            <s:element minOccurs="1" maxOccurs="1" name="discoveredOnOrAfter" nillable="true"
type="s:long" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="GetDynamicCategoriesResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="GetDynamicCategoriesResult"
type="tns:ArrayOfGenericReadableRow" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:complexType name="ArrayOfUpdateRevisionId">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="unbounded" name="UpdateRevisionId"
nillable="true" type="tns:UpdateRevisionId" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="UpdateRevisionId">
        <s:sequence>
          <s:element minOccurs="1" maxOccurs="1" name="UpdateId" type="s1:guid" />
          <s:element minOccurs="1" maxOccurs="1" name="RevisionNumber" type="s:int" />
        </s:sequence>
      </s:complexType>
      <s:element name="ExecuteSPGetExportData">
        <s:complexType />
      </s:element>
      <s:element name="ExecuteSPGetExportDataResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetExportDataResult"
type="tns:ExportData" />
          </s:sequence>
```


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```
        </s:complexType>
      </s:element>
      <s:complexType name="ExportData">
        <s:sequence>
          <s:element minOccurs="1" maxOccurs="1" name="ServerId" type="s1:guid" />
          <s:element minOccurs="0" maxOccurs="1" name="Updates"
type="tns:ArrayOfExportUpdateListItem" />
          <s:element minOccurs="0" maxOccurs="1" name="Files"
type="tns:ArrayOfExportFileData" />
          <s:element minOccurs="0" maxOccurs="1" name="Languages"
type="tns:ArrayOfServerSyncLanguageData" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="ArrayOfExportUpdateListItem">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="unbounded" name="ExportUpdateListItem"
nillable="true" type="tns:ExportUpdateListItem" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="ExportUpdateListItem">
        <s:sequence>
          <s:element minOccurs="1" maxOccurs="1" name="UpdateId" type="s1:guid" />
          <s:element minOccurs="1" maxOccurs="1" name="RevisionNumber" type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="RevisionId" type="s:int" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="ArrayOfExportFileData">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="unbounded" name="ExportFileData"
nillable="true" type="tns:ExportFileData" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="ExportFileData">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="1" name="Digest" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="Name" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="ContentPath" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="MUUrl" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="DecryptionKey" type="s:string" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="ArrayOfServerSyncLanguageData">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="unbounded" name="ServerSyncLanguageData"
nillable="true" type="tns:ServerSyncLanguageData" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="ServerSyncLanguageData">
        <s:sequence>
          <s:element minOccurs="1" maxOccurs="1" name="LanguageID" type="s:int" />
          <s:element minOccurs="0" maxOccurs="1" name="ShortLanguage" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="LongLanguage" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="Enabled" type="s:boolean" />
        </s:sequence>
      </s:complexType>
      <s:element name="ExecuteSPGetExportUpdateData">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="revisionId" type="s:int" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetExportUpdateDataResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetExportUpdateDataResult"
type="tns:ExportUpdateData" />
          </s:sequence>
        </s:complexType>
```


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```
      </s:element>
      <s:complexType name="ExportUpdateData">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="1" name="FileDigests" type="tns:ArrayOfString"
/>
          <s:element minOccurs="0" maxOccurs="1" name="Xml" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="Title" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="Classifications"
type="tns:ArrayOfGuid" />
          <s:element minOccurs="0" maxOccurs="1" name="Categories" type="tns:ArrayOfGuid" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="ArrayOfString">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="s:string" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="ArrayOfGuid">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="unbounded" name="guid" type="s1:guid" />
        </s:sequence>
      </s:complexType>
      <s:element name="GetSubscriptionState">
        <s:complexType />
      </s:element>
      <s:element name="GetSubscriptionStateResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="GetSubscriptionStateResult"
type="s:int" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="GetServerSyncProgress">
        <s:complexType />
      </s:element>
      <s:element name="GetServerSyncProgressResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="GetServerSyncProgressResult"
type="tns:ArrayOfGenericReadableRow" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:complexType name="ArrayOfGenericReadableRow">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="unbounded" name="GenericReadableRow"
nillable="true" type="tns:GenericReadableRow" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="GenericReadableRow">
        <s:sequence>
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      </s:complexType>
      <s:element name="AddDynamicCategoriesResponse">
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      <s:complexType name="ArrayOfAnyType">
        <s:sequence>
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      </s:complexType>
      <s:element name="StartSubscriptionManually">
        <s:complexType />
      </s:element>
      <s:element name="StartSubscriptionManuallyResponse">
        <s:complexType />
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```
      </s:element>
      <s:element name="StartSubscriptionManuallyForCategoryOnly">
        <s:complexType />
      </s:element>
      <s:element name="StartSubscriptionManuallyForCategoryOnlyResponse">
        <s:complexType />
      </s:element>
      <s:element name="StopSubscription">
        <s:complexType />
      </s:element>
      <s:element name="StopSubscriptionResponse">
        <s:complexType />
      </s:element>
      <s:element name="ImportUpdate">
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            <s:element minOccurs="0" maxOccurs="1" name="xmlUpdateBlob" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="xmlUpdateBlobCompressed"
type="s:base64Binary" />
            <s:element minOccurs="0" maxOccurs="1" name="xmlSdpBlob" type="s:string" />
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        </s:complexType>
      </s:element>
      <s:element name="ImportUpdateResponse">
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          <s:sequence>
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        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPWakeUpResetAgent">
        <s:complexType />
      </s:element>
      <s:element name="ExecuteSPWakeUpResetAgentResponse">
        <s:complexType />
      </s:element>
      <s:element name="ExecuteSPWakeUpRollupAgent">
        <s:complexType />
      </s:element>
      <s:element name="ExecuteSPWakeUpRollupAgentResponse">
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      <s:element name="AddNewLanguage">
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type="tns:ServerSyncLanguageData" />
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        </s:complexType>
      </s:element>
      <s:element name="AddNewLanguageResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="AddNewLanguageResult"
type="s:boolean" />
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        </s:complexType>
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      <s:element name="ExecuteSPGetInstallableItems">
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```
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type="tns:ArrayOfGuid" />
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type="tns:ArrayOfGuid" />
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      </s:element>
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          <s:sequence>
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name="ExecuteSPGetApprovedUpdateMetadataResult" type="tns:ArrayOfArrayOfGenericReadableRow"
/>
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        </s:complexType>
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        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPHasApprovalsChangedResponse">
        <s:complexType>
          <s:sequence>
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type="s:boolean" />
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        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPDeclineSupersededUpdates">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="adminName" type="s:string" />
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        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPDeclineSupersededUpdatesResponse">
        <s:complexType>
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name="ExecuteSPDeclineSupersededUpdatesResult" type="s:int" />
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        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPDeclineExpiredUpdates">
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      <s:element name="ExecuteSPCountObsoleteUpdatesToCleanupResponse">
        <s:complexType>
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      <s:element name="ExecuteSPGetObsoleteUpdatesToCleanupResponse">
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name="ExecuteSPGetObsoleteUpdatesToCleanupResult" type="tns:ArrayOfInt" />
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        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPCountUpdatesToCompress">
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      </s:element>
      <s:element name="ExecuteSPCountUpdatesToCompressResponse">
        <s:complexType>
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name="ExecuteSPCountUpdatesToCompressResult" type="s:int" />
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      <s:element name="ExecuteSPGetUpdatesToCompressResponse">
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type="tns:ArrayOfInt" />
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      <s:element name="ExecuteSPCompressUpdate">
        <s:complexType>
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      <s:element name="ExecuteSPCompressUpdateResponse">
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      <s:element name="ExecuteSPDeleteUpdateByUpdateIDResponse">
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      <s:element name="ExecuteSPCleanupObsoleteComputers">
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      </s:element>
      <s:element name="ExecuteSPCleanupObsoleteComputersResponse">
        <s:complexType>
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name="ExecuteSPCleanupObsoleteComputersResult" type="s:int" />
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      </s:element>
      <s:element name="ExecuteSPCleanupUnneededContentFiles2">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="updateServerName" type="s:string" />
            <s:element minOccurs="1" maxOccurs="1" name="cleanupLocalPublishedContentFiles"
type="s:boolean" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPCleanupUnneededContentFiles2Response">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1"
name="ExecuteSPCleanupUnneededContentFiles2Result" type="s:long" />
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      <s:element name="StopWSUSService">
        <s:complexType />
      </s:element>
      <s:element name="StopWSUSServiceResponse">
        <s:complexType />
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      <s:element name="StartWSUSService">
        <s:complexType />
      </s:element>
      <s:element name="StartWSUSServiceResponse">
        <s:complexType />
      </s:element>
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      <s:element name="GetServerVersionResponse">
        <s:complexType>
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type="s:string" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="GetServerProtocolVersion">
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```
        <s:complexType />
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      <s:element name="GetServerProtocolVersionResponse">
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          <s:sequence>
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type="s:string" />
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        </s:complexType>
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      <s:element name="GetDatabaseConfigurationResponse">
        <s:complexType>
          <s:sequence>
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            <s:element minOccurs="0" maxOccurs="1" name="databaseName" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="wmsdeInstanceName" type="s:string"
/>
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetEmailNotificationConfiguration">
        <s:complexType />
      </s:element>
      <s:complexType name="EmailNotificationConfigurationRow">
        <s:sequence>
          <s:element minOccurs="1" maxOccurs="1" name="statusNotificationTimeOfDay"
type="s:long" />
          <s:element minOccurs="1" maxOccurs="1" name="EmailNeedToSendNewSyncNotification"
type="s:boolean" />
          <s:element minOccurs="1" maxOccurs="1" name="EmailNeedToSendStatusNotification"
type="s:boolean" />
          <s:element minOccurs="1" maxOccurs="1" name="StatusNotification"
type="tns:EmailStatusNotificationFrequency" />
          <s:element minOccurs="1" maxOccurs="1" name="SmtpServerRequireAuthentication"
type="s:boolean" />
          <s:element minOccurs="0" maxOccurs="1" name="SmtpHostName" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="SmtpPort" type="s:int" />
          <s:element minOccurs="0" maxOccurs="1" name="SmtpUserName" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="SmtpUserDisplayName" type="s:string"
/>
          <s:element minOccurs="0" maxOccurs="1" name="SmtpUserMailAddress" type="s:string"
/>
          <s:element minOccurs="0" maxOccurs="1" name="EmailLanguage" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="s:dateTime" />
          <s:element minOccurs="0" maxOccurs="1" name="LastModifiedBy" type="s:string" />
        </s:sequence>
      </s:complexType>
      <s:simpleType name="EmailStatusNotificationFrequency">
        <s:restriction base="s:string">
          <s:enumeration value="Daily" />
          <s:enumeration value="Weekly" />
        </s:restriction>
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        <s:complexType>
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name="ExecuteSPGetEmailNotificationConfigurationResult"
type="tns:EmailNotificationConfigurationRow" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetEmailNotificationRecipients">
        <s:complexType>
          <s:sequence>
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            <s:element minOccurs="1" maxOccurs="1" name="value"
type="tns:EmailNotificationType" />
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        </s:complexType>
      </s:element>
      <s:simpleType name="EmailNotificationType">
        <s:restriction base="s:string">
          <s:enumeration value="Test" />
          <s:enumeration value="NewSync" />
          <s:enumeration value="Summary" />
        </s:restriction>
      </s:simpleType>
      <s:element name="ExecuteSPGetEmailNotificationRecipientsResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetEmailNotificationRecipientsResult" type="s:string" />
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        </s:complexType>
      </s:element>
      <s:element name="SendTestEmail">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="emailLanguage" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="smtpUserName" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="senderEmailAddress" type="s:string"
/>
            <s:element minOccurs="0" maxOccurs="1" name="smtpHostName" type="s:string" />
            <s:element minOccurs="1" maxOccurs="1" name="smtpPort" type="s:int" />
            <s:element minOccurs="0" maxOccurs="1" name="recipients" type="s:string" />
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      <s:element name="SendTestEmailResponse">
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      <s:element name="CatalogSiteGetMetadataAndImport">
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            <s:element minOccurs="0" maxOccurs="1" name="downloadedFileDigests"
type="tns:ArrayOfBase64Binary" />
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        </s:complexType>
      </s:element>
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type="s:base64Binary" />
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      <s:element name="CatalogSiteGetMetadataAndImportResponse">
        <s:complexType />
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      <s:element name="GetCurrentUserRole">
        <s:complexType />
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      <s:element name="GetCurrentUserRoleResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="GetCurrentUserRoleResult"
type="s:int" />
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        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetConfiguration">
        <s:complexType />
      </s:element>
      <s:complexType name="AllConfigurationTableRows">
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        <s:sequence>
          <s:element minOccurs="0" maxOccurs="1" name="Configuration"
type="tns:ConfigurationTableRow" />
          <s:element minOccurs="0" maxOccurs="1" name="GroupAuthorization"
type="tns:ArrayOfGroupAuthorizationTableRow" />
          <s:element minOccurs="0" maxOccurs="1" name="Authorization"
type="tns:ArrayOfAuthorizationPlugInTableRow" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="ConfigurationTableRow">
        <s:sequence>
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          <s:element minOccurs="1" maxOccurs="1" name="anonymousCookieExpirationTime"
type="s:long" />
          <s:element minOccurs="1" maxOccurs="1" name="simpleTargetingCookieExpirationTime"
type="s:long" />
          <s:element minOccurs="1" maxOccurs="1" name="maximumServerCookieExpirationTime"
type="s:long" />
          <s:element minOccurs="1" maxOccurs="1" name="dssTargetingCookieExpirationTime"
type="s:long" />
          <s:element minOccurs="1" maxOccurs="1"
name="subscriptionFailureWaitBetweenRetriesTime" type="s:long" />
          <s:element minOccurs="1" maxOccurs="1" name="dispatchManagerPollingInterval"
type="s:long" />
          <s:element minOccurs="1" maxOccurs="1"
name="stateMachineTransitionErrorCaptureLength" type="s:long" />
          <s:element minOccurs="1" maxOccurs="1" name="eventLogFloodProtectTime"
type="s:long" />
          <s:element minOccurs="1" maxOccurs="1" name="autoPurgeClientEventAgeThreshold"
type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="autoPurgeServerEventAgeThreshold"
type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="bitsHealthScanningInterval"
type="s:long" />
          <s:element minOccurs="1" maxOccurs="1" name="autoPurgeDetectionPeriod" type="s:int"
/>
          <s:element minOccurs="1" maxOccurs="1" name="revisionDeletionTimeThreshold"
type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="computerDeletionTimeThreshold"
type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="configurationChangeNumber"
type="s:long" />
          <s:element minOccurs="1" maxOccurs="1" name="detectConfigChange" type="s:boolean"
/>
          <s:element minOccurs="1" maxOccurs="1" name="LastConfigChange" type="s:dateTime" />
          <s:element minOccurs="1" maxOccurs="1" name="DssAnonymousTargeting"
type="s:boolean" />
          <s:element minOccurs="1" maxOccurs="1" name="IsRegistrationRequired"
type="s:boolean" />
          <s:element minOccurs="0" maxOccurs="1" name="ReportingServiceUrl" type="s:string"
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          <s:element minOccurs="1" maxOccurs="1" name="ServerId" type="s1:guid" />
          <s:element minOccurs="1" maxOccurs="1" name="ServerTargeting" type="s:boolean" />
          <s:element minOccurs="1" maxOccurs="1" name="SyncToMU" type="s:boolean" />
          <s:element minOccurs="0" maxOccurs="1" name="UpstreamServerName" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="RedirectorChangeNumber" type="s:long"
/>
          <s:element minOccurs="1" maxOccurs="1" name="MaxCoreUpdatesPerRequest" type="s:int"
/>
          <s:element minOccurs="1" maxOccurs="1" name="MaxExtendedUpdatesPerRequest"
type="s:int" />
          <s:element minOccurs="1" maxOccurs="1"
name="MaxUpdatesPerRequestInGetUpdateDecryptionData" type="s:int" />
          <s:element minOccurs="0" maxOccurs="1" name="DownloadRegulationUrl" type="s:string"
/>
          <s:element minOccurs="0" maxOccurs="1" name="DownloadRegulationWebServiceUrl"
type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="LoadOdfLocally" type="s:boolean" />
          <s:element minOccurs="0" maxOccurs="1" name="OdfFilePath" type="s:string" />
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          <s:element minOccurs="1" maxOccurs="1" name="DoServerSyncCompression"
type="s:boolean" />
          <s:element minOccurs="1" maxOccurs="1" name="MaxNumberOfIdsToRequestDataFromUss"
type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="WsusInstallType" type="s:int" />
          <s:element minOccurs="0" maxOccurs="1" name="ServerString" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="AutoDeployMandatory" type="s:boolean"
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          <s:element minOccurs="1" maxOccurs="1" name="UseClientIPHttpHeader"
type="s:boolean" />
          <s:element minOccurs="0" maxOccurs="1" name="ClientIPHttpHeader" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="OobeInitialized" type="s:boolean" />
          <s:element minOccurs="0" maxOccurs="1" name="MUUrl" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="ServerPortNumber" type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="UpstreamServerUseSsl" type="s:boolean"
/>
          <s:element minOccurs="1" maxOccurs="1" name="UseProxy" type="s:boolean" />
          <s:element minOccurs="0" maxOccurs="1" name="ProxyName" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="ProxyServerPort" type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="UseSeparateProxyForSsl"
type="s:boolean" />
          <s:element minOccurs="0" maxOccurs="1" name="SslProxyName" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="SslProxyServerPort" type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="AnonymousProxyAccess" type="s:boolean"
/>
          <s:element minOccurs="0" maxOccurs="1" name="ProxyUserName" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="ProxyUserDomain" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="AllowProxyCredentialsOverNonSsl"
type="s:boolean" />
          <s:element minOccurs="1" maxOccurs="1" name="ServerSupportsAllLanguages"
type="s:boolean" />
          <s:element minOccurs="1" maxOccurs="1" name="ServerSupportsAllAvailableLanguages"
type="s:boolean" />
          <s:element minOccurs="1" maxOccurs="1" name="HostOnMu" type="s:boolean" />
          <s:element minOccurs="0" maxOccurs="1" name="LocalContentCacheLocation"
type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="LazySync" type="s:boolean" />
          <s:element minOccurs="1" maxOccurs="1" name="DownloadExpressPackages"
type="s:boolean" />
          <s:element minOccurs="0" maxOccurs="1" name="ImportLocalPath" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="AutoRefreshDeployments"
type="s:boolean" />
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          <s:element minOccurs="1" maxOccurs="1" name="DoReportingSummarization"
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type="tns:ArrayOfAnyType" />
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      <s:complexType name="CompleteUpdates">
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type="tns:ArrayOfGenericReadableRow" />
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          <s:element minOccurs="1" maxOccurs="1" name="EventInstanceId" type="s1:guid" />
          <s:element minOccurs="1" maxOccurs="1" name="EventId" type="s:short" />
          <s:element minOccurs="1" maxOccurs="1" name="NamespaceId" type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="SourceId" type="s:short" />
          <s:element minOccurs="1" maxOccurs="1" name="TimeAtTarget" type="s:dateTime" />
          <s:element minOccurs="1" maxOccurs="1" name="TimeAtServer" type="s:dateTime" />
          <s:element minOccurs="1" maxOccurs="1" name="StateId" type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="SeverityId" type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="Win32HResult" type="s:int" />
          <s:element minOccurs="0" maxOccurs="1" name="MessageTemplate" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="ComputerId" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="AppName" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="MiscData" type="tns:ArrayOfString" />
          <s:element minOccurs="0" maxOccurs="1" name="ReplacementStrings"
type="tns:ArrayOfString" />
          <s:element minOccurs="1" maxOccurs="1" name="UpdateId" type="s1:guid" />
          <s:element minOccurs="1" maxOccurs="1" name="RevisionNumber" type="s:int" />
          <s:element minOccurs="0" maxOccurs="1" name="DeviceId" type="s:string" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="ArrayOfEventHistoryTableRow">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="unbounded" name="EventHistoryTableRow"
nillable="true" type="tns:EventHistoryTableRow" />
        </s:sequence>
      </s:complexType>
      <s:element name="ExecuteSPSearchEventHistoryResponse">
        <s:complexType>
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          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="ExecuteSPSearchEventHistoryResult"
type="tns:ArrayOfEventHistoryTableRow" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetComponentsWithErrors">
        <s:complexType />
      </s:element>
      <s:element name="ExecuteSPGetComponentsWithErrorsResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetComponentsWithErrorsResult" type="tns:ArrayOfString" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetUpdateServerStatus">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="updateSources" type="s:int" />
            <s:element minOccurs="1" maxOccurs="1" name="includeDownstreamComputers"
type="s:boolean" />
            <s:element minOccurs="0" maxOccurs="1" name="updateScopeXml" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="computerTargetScopeXml"
type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="preferredCulture" type="s:string" />
            <s:element minOccurs="1" maxOccurs="1" name="publicationState" type="s:int" />
            <s:element minOccurs="1" maxOccurs="1" name="propertiesToGet" type="s:int" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetUpdateServerStatusResponse">
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          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetUpdateServerStatusResult" type="tns:ArrayOfArrayOfGenericReadableRow" />
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        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetDownstreamServerRollupSummary">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="serverId" type="s1:guid" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetDownstreamServerRollupSummaryResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1"
name="ExecuteSPGetDownstreamServerRollupSummaryResult"
type="tns:ArrayOfArrayOfGenericReadableRow" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetFailedToDownloadUpdatesCount">
        <s:complexType />
      </s:element>
      <s:element name="ExecuteSPGetFailedToDownloadUpdatesCountResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1"
name="ExecuteSPGetFailedToDownloadUpdatesCountResult" type="s:int" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="GetSubscription">
        <s:complexType />
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      </s:element>
      <s:complexType name="SubscriptionTableRow">
        <s:sequence>
          <s:element minOccurs="1" maxOccurs="1" name="synchronizeAutomaticallyTimeOfDay"
type="s:long" />
          <s:element minOccurs="0" maxOccurs="1" name="LastModifiedBy" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="s:dateTime" />
          <s:element minOccurs="1" maxOccurs="1" name="LastSynchronizationTime"
type="s:dateTime" />
          <s:element minOccurs="1" maxOccurs="1" name="SynchronizeAutomatically"
type="s:boolean" />
          <s:element minOccurs="0" maxOccurs="1" name="Anchor" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="DeploymentAnchor" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="NumberOfSynchronizationsPerDay"
type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="IsCategoryOnly" type="s:boolean" />
        </s:sequence>
      </s:complexType>
      <s:element name="GetSubscriptionResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="GetSubscriptionResult"
type="tns:SubscriptionTableRow" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="GetSubscriptionCategories">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="preferredCulture" type="s:string" />
            <s:element minOccurs="1" maxOccurs="1" name="retrieveUpdateClassifications"
type="s:boolean" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="GetSubscriptionCategoriesResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="GetSubscriptionCategoriesResult"
type="tns:ArrayOfGenericReadableRow" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="GetSubscriptionNextSynchronizationTime">
        <s:complexType />
      </s:element>
      <s:element name="GetSubscriptionNextSynchronizationTimeResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1"
name="GetSubscriptionNextSynchronizationTimeResult" type="s:dateTime" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="SetSubscription">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="subscription"
type="tns:SubscriptionTableRow" />
            <s:element minOccurs="0" maxOccurs="1" name="categoryIds" type="tns:ArrayOfGuid"
/>
            <s:element minOccurs="0" maxOccurs="1" name="updateClassificationIds"
type="tns:ArrayOfGuid" />
            <s:element minOccurs="0" maxOccurs="1" name="userName" type="s:string" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="SetSubscriptionResponse">
        <s:complexType />
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      </s:element>
      <s:element name="SetSubscriptionFrequency">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="numberOfSynchronizationsPerDay"
type="s:int" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="SetSubscriptionFrequencyResponse">
        <s:complexType />
      </s:element>
      <s:element name="SetSubscriptionLastSynchronizationTime">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="lastSynchronizationTime"
type="s:dateTime" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="SetSubscriptionLastSynchronizationTimeResponse">
        <s:complexType />
      </s:element>
      <s:element name="GetAutomaticUpdateApprovalRules">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="preferredCulture" type="s:string" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:complexType name="CompleteAutomaticUpdateApprovalRule">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="1" name="RuleRow"
type="tns:AutomaticUpdateApprovalRuleTableRow" />
          <s:element minOccurs="0" maxOccurs="1" name="UpdateClassificationTableRows"
type="tns:ArrayOfGenericReadableRow" />
          <s:element minOccurs="0" maxOccurs="1" name="CategoryTableRows"
type="tns:ArrayOfGenericReadableRow" />
          <s:element minOccurs="0" maxOccurs="1" name="TargetGroupTableRows"
type="tns:ArrayOfGenericReadableRow" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="AutomaticUpdateApprovalRuleTableRow">
        <s:sequence>
          <s:element minOccurs="1" maxOccurs="1" name="Id" type="s:int" />
          <s:element minOccurs="1" maxOccurs="1" name="Enabled" type="s:boolean" />
          <s:element minOccurs="1" maxOccurs="1" name="Action" type="s:int" />
          <s:element minOccurs="0" maxOccurs="1" name="Name" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="DateOffset" nillable="true"
type="s:short" />
          <s:element minOccurs="1" maxOccurs="1" name="MinutesAfterMidnight" nillable="true"
type="s:short" />
        </s:sequence>
      </s:complexType>
      <s:complexType name="ArrayOfCompleteAutomaticUpdateApprovalRule">
        <s:sequence>
          <s:element minOccurs="0" maxOccurs="unbounded"
name="CompleteAutomaticUpdateApprovalRule" type="tns:CompleteAutomaticUpdateApprovalRule" />
        </s:sequence>
      </s:complexType>
      <s:element name="GetAutomaticUpdateApprovalRulesResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1"
name="GetAutomaticUpdateApprovalRulesResult"
type="tns:ArrayOfCompleteAutomaticUpdateApprovalRule" />
          </s:sequence>
        </s:complexType>
      </s:element>
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      <s:element name="SetAutomaticUpdateApprovalRule">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="ruleId" type="s:int" />
            <s:element minOccurs="0" maxOccurs="1" name="name" type="s:string" />
            <s:element minOccurs="1" maxOccurs="1" name="enabled" type="s:boolean" />
            <s:element minOccurs="1" maxOccurs="1" name="action" type="s:int" />
            <s:element minOccurs="0" maxOccurs="1" name="updateClassificationIds"
type="tns:ArrayOfGuid" />
            <s:element minOccurs="0" maxOccurs="1" name="categoryIds" type="tns:ArrayOfGuid"
/>
            <s:element minOccurs="0" maxOccurs="1" name="targetGroupIds"
type="tns:ArrayOfGuid" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="SetAutomaticUpdateApprovalRuleResponse">
        <s:complexType />
      </s:element>
      <s:element name="SetAutomaticUpdateApprovalRuleWithDeadline">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="ruleId" type="s:int" />
            <s:element minOccurs="0" maxOccurs="1" name="name" type="s:string" />
            <s:element minOccurs="1" maxOccurs="1" name="enabled" type="s:boolean" />
            <s:element minOccurs="1" maxOccurs="1" name="action" type="s:int" />
            <s:element minOccurs="0" maxOccurs="1" name="updateClassificationIds"
type="tns:ArrayOfGuid" />
            <s:element minOccurs="0" maxOccurs="1" name="categoryIds" type="tns:ArrayOfGuid"
/>
            <s:element minOccurs="0" maxOccurs="1" name="targetGroupIds"
type="tns:ArrayOfGuid" />
            <s:element minOccurs="1" maxOccurs="1" name="apiVersion" type="s:int" />
            <s:element minOccurs="0" maxOccurs="1" name="deadline"
type="tns:AutomaticUpdateApprovalDeadline" />
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      </s:element>
      <s:complexType name="AutomaticUpdateApprovalDeadline">
        <s:sequence>
          <s:element minOccurs="1" maxOccurs="1" name="DayOffset" type="s:short" />
          <s:element minOccurs="1" maxOccurs="1" name="MinutesAfterMidnight" type="s:short"
/>
        </s:sequence>
      </s:complexType>
      <s:element name="SetAutomaticUpdateApprovalRuleWithDeadlineResponse">
        <s:complexType />
      </s:element>
      <s:element name="CreateInstallApprovalRule">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="name" type="s:string" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="CreateInstallApprovalRuleResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="CreateInstallApprovalRuleResult"
type="tns:CompleteAutomaticUpdateApprovalRule" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="DeleteInstallApprovalRule">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="ruleId" type="s:int" />
          </s:sequence>
        </s:complexType>
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      </s:element>
      <s:element name="DeleteInstallApprovalRuleResponse">
        <s:complexType />
      </s:element>
      <s:element name="ExecuteSPGetPreviousRevision">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="updateId" type="s1:guid" />
            <s:element minOccurs="1" maxOccurs="1" name="revisionNumber" type="s:int" />
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      </s:element>
      <s:element name="ExecuteSPGetPreviousRevisionResponse">
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          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="ExecuteSPGetPreviousRevisionResult"
type="s:int" />
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        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetXmlForUpdate">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="updateId" type="s1:guid" />
            <s:element minOccurs="1" maxOccurs="1" name="revisionNumber" type="s:int" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetXmlForUpdateResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetXmlForUpdateResult"
type="s:string" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetLatestRevisionNumberForUpdate">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="updateId" type="s1:guid" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetLatestRevisionNumberForUpdateResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1"
name="ExecuteSPGetLatestRevisionNumberForUpdateResult" type="s:int" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetSdpXmlForUpdate">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="updateId" type="s1:guid" />
            <s:element minOccurs="1" maxOccurs="1" name="revisionNumber" type="s:int" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPGetSdpXmlForUpdateResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="ExecuteSPGetSdpXmlForUpdateResult"
type="s:string" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPSetEmailNotificationConfiguration">
        <s:complexType>
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          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="setting"
type="tns:EmailNotificationConfigurationRow" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPSetEmailNotificationConfigurationResponse">
        <s:complexType />
      </s:element>
      <s:element name="ExecuteSPSetEmailNotificationRecipients">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="recipients" type="s:string" />
            <s:element minOccurs="1" maxOccurs="1" name="notificationType"
type="tns:EmailNotificationType" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="ExecuteSPSetEmailNotificationRecipientsResponse">
        <s:complexType />
      </s:element>
      <s:element name="SetSmtpUserPasswordResponse">
        <s:complexType />
      </s:element>
      <s:element name="HasSmtpUserPassword">
        <s:complexType />
      </s:element>
      <s:element name="HasSmtpUserPasswordResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="HasSmtpUserPasswordResult"
type="s:boolean" />
          </s:sequence>
        </s:complexType>
      </s:element>
    </s:schema>
    <s:schema elementFormDefault="qualified"
targetNamespace="http://microsoft.com/wsdl/types/">
      <s:simpleType name="guid">
        <s:restriction base="s:string">
          <s:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-
9a-fA-F]{12}" />
        </s:restriction>
      </s:simpleType>
    </s:schema>
    <s:schema elementFormDefault="qualified"
targetNamespace="http://www.microsoft.com/SoftwareDistribution/Server/IMonitorable">
      <s:element name="Ping">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="pingLevel" type="s:int" />
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        </s:complexType>
      </s:element>
      <s:complexType name="MonitoredServicesResponse">
        <s:sequence>
          <s:element minOccurs="1" maxOccurs="1" name="SuccessFlag" type="s:boolean" />
          <s:element minOccurs="1" maxOccurs="1" name="ServicesTime" type="s:dateTime" />
          <s:element minOccurs="0" maxOccurs="1" name="ServicesName" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="ServicesMachine" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="IsHttps" type="s:boolean" />
          <s:element minOccurs="0" maxOccurs="1" name="RequestContentType" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="ConfigFilePath" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="ConfigFileProjectName" type="s:string"
/>
          <s:element minOccurs="0" maxOccurs="1" name="ConfigFileEnvironmentName"
type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="ConfigFileLastModifiedTime"
type="s:dateTime" />
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          <s:element minOccurs="0" maxOccurs="1" name="ConfigFileVersion" type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="ConfigFileNextExpirationTime"
type="s:dateTime" />
          <s:element minOccurs="1" maxOccurs="1" name="ConfigFileExpirationModuloInMinutes"
type="s:int" />
          <s:element minOccurs="0" maxOccurs="1" name="DatabaseInfo" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="CustomInfo" type="s:string" />
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      <s:element name="PingResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="PingResult"
type="s2:MonitoredServicesResponse" />
          </s:sequence>
        </s:complexType>
      </s:element>
    </s:schema>
  </wsdl:types>
  <wsdl:message name="SignCabForPublishingSoapIn">
    <wsdl:part name="parameters" element="tns:SignCabForPublishing" />
  </wsdl:message>
  <wsdl:message name="SignCabForPublishingSoapOut">
    <wsdl:part name="parameters" element="tns:SignCabForPublishingResponse" />
  </wsdl:message>
  <wsdl:message name="SignCabForPublishingWithTimeStampOptionSoapIn">
    <wsdl:part name="parameters" element="tns:SignCabForPublishingWithTimeStampOption" />
  </wsdl:message>
  <wsdl:message name="SignCabForPublishingWithTimeStampOptionSoapOut">
    <wsdl:part name="parameters"
element="tns:SignCabForPublishingWithTimeStampOptionResponse" />
  </wsdl:message>
  <wsdl:message name="SignCabExForPublishingWithTimeStampOptionSoapIn">
    <wsdl:part name="parameters" element="tns:SignCabExForPublishingWithTimeStampOption" />
  </wsdl:message>
  <wsdl:message name="SignCabExForPublishingWithTimeStampOptionSoapOut">
    <wsdl:part name="parameters"
element="tns:SignCabExForPublishingWithTimeStampOptionResponse" />
  </wsdl:message>
  <wsdl:message name="ImportUpdateForPublishingSoapIn">
    <wsdl:part name="parameters" element="tns:ImportUpdateForPublishing" />
  </wsdl:message>
  <wsdl:message name="ImportUpdateForPublishingSoapOut">
    <wsdl:part name="parameters" element="tns:ImportUpdateForPublishingResponse" />
  </wsdl:message>
  <wsdl:message name="ApplyAutomaticUpdateApprovalRuleSoapIn">
    <wsdl:part name="parameters" element="tns:ApplyAutomaticUpdateApprovalRule" />
  </wsdl:message>
  <wsdl:message name="ApplyAutomaticUpdateApprovalRuleSoapOut">
    <wsdl:part name="parameters" element="tns:ApplyAutomaticUpdateApprovalRuleResponse" />
  </wsdl:message>
  <wsdl:message name="ExecuteSPGetExportDataSoapIn">
    <wsdl:part name="parameters" element="tns:ExecuteSPGetExportData" />
  </wsdl:message>
  <wsdl:message name="ExecuteSPGetExportDataSoapOut">
    <wsdl:part name="parameters" element="tns:ExecuteSPGetExportDataResponse" />
  </wsdl:message>
  <wsdl:message name="ExecuteSPGetExportUpdateDataSoapIn">
    <wsdl:part name="parameters" element="tns:ExecuteSPGetExportUpdateData" />
  </wsdl:message>
  <wsdl:message name="ExecuteSPGetExportUpdateDataSoapOut">
    <wsdl:part name="parameters" element="tns:ExecuteSPGetExportUpdateDataResponse" />
  </wsdl:message>
  <wsdl:message name="GetSubscriptionStateSoapIn">
    <wsdl:part name="parameters" element="tns:GetSubscriptionState" />
  </wsdl:message>
  <wsdl:message name="GetSubscriptionStateSoapOut">
    <wsdl:part name="parameters" element="tns:GetSubscriptionStateResponse" />
  </wsdl:message>
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    <wsdl:message name="GetServerSyncProgressSoapIn">
      <wsdl:part name="parameters" element="tns:GetServerSyncProgress" />
    </wsdl:message>
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      <wsdl:part name="parameters" element="tns:StopWSUSService" />
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    <wsdl:message name="SetAutomaticUpdateApprovalRuleWithDeadlineSoapOut">
      <wsdl:part name="parameters"
  element="tns:SetAutomaticUpdateApprovalRuleWithDeadlineResponse" />
    </wsdl:message>
    <wsdl:message name="CreateInstallApprovalRuleSoapIn">
      <wsdl:part name="parameters" element="tns:CreateInstallApprovalRule" />
    </wsdl:message>
    <wsdl:message name="CreateInstallApprovalRuleSoapOut">
      <wsdl:part name="parameters" element="tns:CreateInstallApprovalRuleResponse" />
    </wsdl:message>
    <wsdl:message name="DeleteInstallApprovalRuleSoapIn">
      <wsdl:part name="parameters" element="tns:DeleteInstallApprovalRule" />
    </wsdl:message>
    <wsdl:message name="DeleteInstallApprovalRuleSoapOut">
      <wsdl:part name="parameters" element="tns:DeleteInstallApprovalRuleResponse" />
    </wsdl:message>
    <wsdl:message name="ExecuteSPGetPreviousRevisionSoapIn">
      <wsdl:part name="parameters" element="tns:ExecuteSPGetPreviousRevision" />
    </wsdl:message>
    <wsdl:message name="ExecuteSPGetPreviousRevisionSoapOut">
      <wsdl:part name="parameters" element="tns:ExecuteSPGetPreviousRevisionResponse" />
    </wsdl:message>
    <wsdl:message name="ExecuteSPGetXmlForUpdateSoapIn">
      <wsdl:part name="parameters" element="tns:ExecuteSPGetXmlForUpdate" />
    </wsdl:message>
    <wsdl:message name="ExecuteSPGetXmlForUpdateSoapOut">
      <wsdl:part name="parameters" element="tns:ExecuteSPGetXmlForUpdateResponse" />
    </wsdl:message>
    <wsdl:message name="ExecuteSPGetLatestRevisionNumberForUpdateSoapIn">
      <wsdl:part name="parameters" element="tns:ExecuteSPGetLatestRevisionNumberForUpdate" />
    </wsdl:message>
    <wsdl:message name="ExecuteSPGetLatestRevisionNumberForUpdateSoapOut">
      <wsdl:part name="parameters"
  element="tns:ExecuteSPGetLatestRevisionNumberForUpdateResponse" />
    </wsdl:message>
    <wsdl:message name="ExecuteSPGetSdpXmlForUpdateSoapIn">
      <wsdl:part name="parameters" element="tns:ExecuteSPGetSdpXmlForUpdate" />
    </wsdl:message>
    <wsdl:message name="ExecuteSPGetSdpXmlForUpdateSoapOut">
      <wsdl:part name="parameters" element="tns:ExecuteSPGetSdpXmlForUpdateResponse" />
    </wsdl:message>
    <wsdl:message name="ExecuteSPSetEmailNotificationConfigurationSoapIn">
      <wsdl:part name="parameters" element="tns:ExecuteSPSetEmailNotificationConfiguration" />
    </wsdl:message>
    <wsdl:message name="ExecuteSPSetEmailNotificationConfigurationSoapOut">
      <wsdl:part name="parameters"
  element="tns:ExecuteSPSetEmailNotificationConfigurationResponse" />
    </wsdl:message>
    <wsdl:message name="ExecuteSPSetEmailNotificationRecipientsSoapIn">
      <wsdl:part name="parameters" element="tns:ExecuteSPSetEmailNotificationRecipients" />
    </wsdl:message>
    <wsdl:message name="ExecuteSPSetEmailNotificationRecipientsSoapOut">
      <wsdl:part name="parameters"
  element="tns:ExecuteSPSetEmailNotificationRecipientsResponse" />
    </wsdl:message>
    <wsdl:message name="SetSmtpUserPasswordSoapIn">
      <wsdl:part name="parameters" element="tns:SetSmtpUserPassword" />
    </wsdl:message>
    <wsdl:message name="SetSmtpUserPasswordSoapOut">
      <wsdl:part name="parameters" element="tns:SetSmtpUserPasswordResponse" />
    </wsdl:message>
    <wsdl:message name="HasSmtpUserPasswordSoapIn">
      <wsdl:part name="parameters" element="tns:HasSmtpUserPassword" />
    </wsdl:message>
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  <wsdl:message name="HasSmtpUserPasswordSoapOut">
    <wsdl:part name="parameters" element="tns:HasSmtpUserPasswordResponse" />
  </wsdl:message>
  <wsdl:portType name="ApiRemotingSoap">
    <wsdl:operation name="SignCabForPublishing">
      <wsdl:input message="tns:SignCabForPublishingSoapIn" />
      <wsdl:output message="tns:SignCabForPublishingSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="SignCabForPublishingWithTimeStampOption">
      <wsdl:input message="tns:SignCabForPublishingWithTimeStampOptionSoapIn" />
      <wsdl:output message="tns:SignCabForPublishingWithTimeStampOptionSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="SignCabExForPublishingWithTimeStampOption">
      <wsdl:input message="tns:SignCabExForPublishingWithTimeStampOptionSoapIn" />
      <wsdl:output message="tns:SignCabExForPublishingWithTimeStampOptionSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ImportUpdateForPublishing">
      <wsdl:input message="tns:ImportUpdateForPublishingSoapIn" />
      <wsdl:output message="tns:ImportUpdateForPublishingSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ApplyAutomaticUpdateApprovalRule">
      <wsdl:input message="tns:ApplyAutomaticUpdateApprovalRuleSoapIn" />
      <wsdl:output message="tns:ApplyAutomaticUpdateApprovalRuleSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="AddDynamicCategory">
      <wsdl:documentation xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">Adds a category to
the WSUS server.</wsdl:documentation>
      <wsdl:input message="tns:AddDynamicCategorySoapIn" />
      <wsdl:output message="tns:AddDynamicCategorySoapOut" />
    </wsdl:operation>
    <wsdl:operation name="AddDynamicCategories">
      <wsdl:documentation xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">Adds a collection of
dynamic categories to the WSUS server.</wsdl:documentation>
      <wsdl:input message="tns:AddDynamicCategoriesSoapIn" />
      <wsdl:output message="tns:AddDynamicCategoriesSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetDynamicCategory">
      <wsdl:documentation xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">Gets the category
that matches the specified name and type.</wsdl:documentation>
      <wsdl:input message="tns:GetDynamicCategorySoapIn" />
      <wsdl:output message="tns:GetDynamicCategorySoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetDynamicCategories">
      <wsdl:documentation xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">Gets a set of dynamic
categories that satisfy the specified filter criteria.</wsdl:documentation>
      <wsdl:input message="tns:GetDynamicCategoriesSoapIn" />
      <wsdl:output message="tns:GetDynamicCategoriesSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="SetDynamicCategorySyncStatus">
      <wsdl:documentation xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">Sets the update
synchronization status of the specified dynamic category to the specified
value.</wsdl:documentation>
      <wsdl:input message="tns:SetDynamicCategorySyncStatusSoapIn" />
      <wsdl:output message="tns:SetDynamicCategorySyncStatusSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="DeleteDynamicCategory">
      <wsdl:documentation xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">Deletes the specified
dynamic category.</wsdl:documentation>
      <wsdl:input message="tns:DeleteDynamicCategorySoapIn" />
      <wsdl:output message="tns:DeleteDynamicCategorySoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetExportData">
      <wsdl:input message="tns:ExecuteSPGetExportDataSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetExportDataSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetExportUpdateData">
      <wsdl:input message="tns:ExecuteSPGetExportUpdateDataSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetExportUpdateDataSoapOut" />
    </wsdl:operation>
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<wsdl:operation name="GetSubscriptionState">
  <wsdl:input message="tns:GetSubscriptionStateSoapIn" />
  <wsdl:output message="tns:GetSubscriptionStateSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetServerSyncProgress">
  <wsdl:input message="tns:GetServerSyncProgressSoapIn" />
  <wsdl:output message="tns:GetServerSyncProgressSoapOut" />
</wsdl:operation>
<wsdl:operation name="StartSubscriptionManually">
  <wsdl:input message="tns:StartSubscriptionManuallySoapIn" />
  <wsdl:output message="tns:StartSubscriptionManuallySoapOut" />
</wsdl:operation>
<wsdl:operation name="StartSubscriptionManuallyForCategoryOnly">
  <wsdl:input message="tns:StartSubscriptionManuallyForCategoryOnlySoapIn" />
  <wsdl:output message="tns:StartSubscriptionManuallyForCategoryOnlySoapOut" />
</wsdl:operation>
<wsdl:operation name="StopSubscription">
  <wsdl:input message="tns:StopSubscriptionSoapIn" />
  <wsdl:output message="tns:StopSubscriptionSoapOut" />
</wsdl:operation>
<wsdl:operation name="ImportUpdate">
  <wsdl:input message="tns:ImportUpdateSoapIn" />
  <wsdl:output message="tns:ImportUpdateSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPWakeUpResetAgent">
  <wsdl:input message="tns:ExecuteSPWakeUpResetAgentSoapIn" />
  <wsdl:output message="tns:ExecuteSPWakeUpResetAgentSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPWakeUpRollupAgent">
  <wsdl:input message="tns:ExecuteSPWakeUpRollupAgentSoapIn" />
  <wsdl:output message="tns:ExecuteSPWakeUpRollupAgentSoapOut" />
</wsdl:operation>
<wsdl:operation name="AddNewLanguage">
  <wsdl:input message="tns:AddNewLanguageSoapIn" />
  <wsdl:output message="tns:AddNewLanguageSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetInstallableItems">
  <wsdl:input message="tns:ExecuteSPGetInstallableItemsSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetInstallableItemsSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetApprovedUpdateMetadata">
  <wsdl:input message="tns:ExecuteSPGetApprovedUpdateMetadataSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetApprovedUpdateMetadataSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPHasApprovalsChanged">
  <wsdl:input message="tns:ExecuteSPHasApprovalsChangedSoapIn" />
  <wsdl:output message="tns:ExecuteSPHasApprovalsChangedSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPDeclineSupersededUpdates">
  <wsdl:input message="tns:ExecuteSPDeclineSupersededUpdatesSoapIn" />
  <wsdl:output message="tns:ExecuteSPDeclineSupersededUpdatesSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPDeclineExpiredUpdates">
  <wsdl:input message="tns:ExecuteSPDeclineExpiredUpdatesSoapIn" />
  <wsdl:output message="tns:ExecuteSPDeclineExpiredUpdatesSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPCountObsoleteUpdatesToCleanup">
  <wsdl:input message="tns:ExecuteSPCountObsoleteUpdatesToCleanupSoapIn" />
  <wsdl:output message="tns:ExecuteSPCountObsoleteUpdatesToCleanupSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetObsoleteUpdatesToCleanup">
  <wsdl:input message="tns:ExecuteSPGetObsoleteUpdatesToCleanupSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetObsoleteUpdatesToCleanupSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPCountUpdatesToCompress">
  <wsdl:input message="tns:ExecuteSPCountUpdatesToCompressSoapIn" />
  <wsdl:output message="tns:ExecuteSPCountUpdatesToCompressSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetUpdatesToCompress">
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      <wsdl:input message="tns:ExecuteSPGetUpdatesToCompressSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetUpdatesToCompressSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCompressUpdate">
      <wsdl:input message="tns:ExecuteSPCompressUpdateSoapIn" />
      <wsdl:output message="tns:ExecuteSPCompressUpdateSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteUpdateByUpdateID">
      <wsdl:input message="tns:ExecuteSPDeleteUpdateByUpdateIDSoapIn" />
      <wsdl:output message="tns:ExecuteSPDeleteUpdateByUpdateIDSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteUpdate">
      <wsdl:input message="tns:ExecuteSPDeleteUpdateSoapIn" />
      <wsdl:output message="tns:ExecuteSPDeleteUpdateSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCleanupObsoleteComputers">
      <wsdl:input message="tns:ExecuteSPCleanupObsoleteComputersSoapIn" />
      <wsdl:output message="tns:ExecuteSPCleanupObsoleteComputersSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCleanupUnneededContentFiles2">
      <wsdl:input message="tns:ExecuteSPCleanupUnneededContentFiles2SoapIn" />
      <wsdl:output message="tns:ExecuteSPCleanupUnneededContentFiles2SoapOut" />
    </wsdl:operation>
    <wsdl:operation name="StopWSUSService">
      <wsdl:input message="tns:StopWSUSServiceSoapIn" />
      <wsdl:output message="tns:StopWSUSServiceSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="StartWSUSService">
      <wsdl:input message="tns:StartWSUSServiceSoapIn" />
      <wsdl:output message="tns:StartWSUSServiceSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetServerVersion">
      <wsdl:input message="tns:GetServerVersionSoapIn" />
      <wsdl:output message="tns:GetServerVersionSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetServerProtocolVersion">
      <wsdl:input message="tns:GetServerProtocolVersionSoapIn" />
      <wsdl:output message="tns:GetServerProtocolVersionSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetDatabaseConfiguration">
      <wsdl:input message="tns:GetDatabaseConfigurationSoapIn" />
      <wsdl:output message="tns:GetDatabaseConfigurationSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetEmailNotificationConfiguration">
      <wsdl:input message="tns:ExecuteSPGetEmailNotificationConfigurationSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetEmailNotificationConfigurationSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetEmailNotificationRecipients">
      <wsdl:input message="tns:ExecuteSPGetEmailNotificationRecipientsSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetEmailNotificationRecipientsSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="SendTestEmail">
      <wsdl:input message="tns:SendTestEmailSoapIn" />
      <wsdl:output message="tns:SendTestEmailSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="CatalogSiteGetMetadataAndImport">
      <wsdl:input message="tns:CatalogSiteGetMetadataAndImportSoapIn" />
      <wsdl:output message="tns:CatalogSiteGetMetadataAndImportSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="Ping">
      <wsdl:input message="tns:PingSoapIn" />
      <wsdl:output message="tns:PingSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetCurrentUserRole">
      <wsdl:input message="tns:GetCurrentUserRoleSoapIn" />
      <wsdl:output message="tns:GetCurrentUserRoleSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetConfiguration">
      <wsdl:input message="tns:ExecuteSPGetConfigurationSoapIn" />
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      <wsdl:output message="tns:ExecuteSPGetConfigurationSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetResetStateMachineNeededFlag">
      <wsdl:input message="tns:GetResetStateMachineNeededFlagSoapIn" />
      <wsdl:output message="tns:GetResetStateMachineNeededFlagSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSetRollupConfiguration">
      <wsdl:input message="tns:ExecuteSPSetRollupConfigurationSoapIn" />
      <wsdl:output message="tns:ExecuteSPSetRollupConfigurationSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="SetProxyPassword">
      <wsdl:input message="tns:SetProxyPasswordSoapIn" />
      <wsdl:output message="tns:SetProxyPasswordSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="HasProxyPassword">
      <wsdl:input message="tns:HasProxyPasswordSoapIn" />
      <wsdl:output message="tns:HasProxyPasswordSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSetConfiguration">
      <wsdl:input message="tns:ExecuteSPSetConfigurationSoapIn" />
      <wsdl:output message="tns:ExecuteSPSetConfigurationSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetAllLanguagesWithEnabledState">
      <wsdl:input message="tns:ExecuteSPGetAllLanguagesWithEnabledStateSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetAllLanguagesWithEnabledStateSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetProgramKeys">
      <wsdl:input message="tns:ExecuteSPGetProgramKeysSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetProgramKeysSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetFrontEndServers">
      <wsdl:input message="tns:ExecuteSPGetFrontEndServersSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetFrontEndServersSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPRemoveFrontEndServer">
      <wsdl:input message="tns:ExecuteSPRemoveFrontEndServerSoapIn" />
      <wsdl:output message="tns:ExecuteSPRemoveFrontEndServerSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetClientsWithRecentNameChange">
      <wsdl:input message="tns:ExecuteSPGetClientsWithRecentNameChangeSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetClientsWithRecentNameChangeSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPLoadReportingEventAttributes">
      <wsdl:input message="tns:ExecuteSPLoadReportingEventAttributesSoapIn" />
      <wsdl:output message="tns:ExecuteSPLoadReportingEventAttributesSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeclineUpdate">
      <wsdl:input message="tns:ExecuteSPDeclineUpdateSoapIn" />
      <wsdl:output message="tns:ExecuteSPDeclineUpdateSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateById">
      <wsdl:input message="tns:ExecuteSPGetUpdateByIdSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetUpdateByIdSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesByCategory">
      <wsdl:input message="tns:ExecuteSPGetUpdatesByCategorySoapIn" />
      <wsdl:output message="tns:ExecuteSPGetUpdatesByCategorySoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSearchUpdates">
      <wsdl:input message="tns:ExecuteSPSearchUpdatesSoapIn" />
      <wsdl:output message="tns:ExecuteSPSearchUpdatesSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateCount">
      <wsdl:input message="tns:ExecuteSPGetUpdateCountSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetUpdateCountSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetSummariesPerComputer">
      <wsdl:input message="tns:ExecuteSPGetSummariesPerComputerSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetSummariesPerComputerSoapOut" />
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</wsdl:operation>
<wsdl:operation name="ExecuteSPGetSummariesPerUpdate_SingleUpdate">
  <wsdl:input message="tns:ExecuteSPGetSummariesPerUpdate_SingleUpdateSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetSummariesPerUpdate_SingleUpdateSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetSummariesPerUpdate">
  <wsdl:input message="tns:ExecuteSPGetSummariesPerUpdateSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetSummariesPerUpdateSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetTotalUpdateSummaryForTargetGroup">
  <wsdl:input message="tns:ExecuteSPGetTotalUpdateSummaryForTargetGroupSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetTotalUpdateSummaryForTargetGroupSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetUpdateSummariesForTargetGroup">
  <wsdl:input message="tns:ExecuteSPGetUpdateSummariesForTargetGroupSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetUpdateSummariesForTargetGroupSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetComputerSummariesForTargetGroup">
  <wsdl:input message="tns:ExecuteSPGetComputerSummariesForTargetGroupSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetComputerSummariesForTargetGroupSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetTargetGroupSummariesForUpdate">
  <wsdl:input message="tns:ExecuteSPGetTargetGroupSummariesForUpdateSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetTargetGroupSummariesForUpdateSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetUpdateSummaryForSingleTargetGroup">
  <wsdl:input message="tns:ExecuteSPGetUpdateSummaryForSingleTargetGroupSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetUpdateSummaryForSingleTargetGroupSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetTotalSummaryForCategory">
  <wsdl:input message="tns:ExecuteSPGetTotalSummaryForCategorySoapIn" />
  <wsdl:output message="tns:ExecuteSPGetTotalSummaryForCategorySoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetUpdateSummariesForCategory">
  <wsdl:input message="tns:ExecuteSPGetUpdateSummariesForCategorySoapIn" />
  <wsdl:output message="tns:ExecuteSPGetUpdateSummariesForCategorySoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetComputerSummariesForCategory">
  <wsdl:input message="tns:ExecuteSPGetComputerSummariesForCategorySoapIn" />
  <wsdl:output message="tns:ExecuteSPGetComputerSummariesForCategorySoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetUpdateInstallationInfoForTargetGroup">
  <wsdl:input message="tns:ExecuteSPGetUpdateInstallationInfoForTargetGroupSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetUpdateInstallationInfoForTargetGroupSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetTotalSummaryForComputer">
  <wsdl:input message="tns:ExecuteSPGetTotalSummaryForComputerSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetTotalSummaryForComputerSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetUpdateInstallationInfoForUpdate">
  <wsdl:input message="tns:ExecuteSPGetUpdateInstallationInfoForUpdateSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetUpdateInstallationInfoForUpdateSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetUpdateInstallationInfoForComputer">
  <wsdl:input message="tns:ExecuteSPGetUpdateInstallationInfoForComputerSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetUpdateInstallationInfoForComputerSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetComputersNotContactedSinceCount">
  <wsdl:input message="tns:ExecuteSPGetComputersNotContactedSinceCountSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetComputersNotContactedSinceCountSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPSimpleSearchUpdates">
  <wsdl:input message="tns:ExecuteSPSimpleSearchUpdatesSoapIn" />
  <wsdl:output message="tns:ExecuteSPSimpleSearchUpdatesSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetRevisions">
  <wsdl:input message="tns:ExecuteSPGetRevisionsSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetRevisionsSoapOut" />
</wsdl:operation>
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<wsdl:operation name="ExecuteSPGetUpdatesBundledByUpdate">
  <wsdl:input message="tns:ExecuteSPGetUpdatesBundledByUpdateSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetUpdatesBundledByUpdateSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetUpdatesThatBundleUpdate">
  <wsdl:input message="tns:ExecuteSPGetUpdatesThatBundleUpdateSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetUpdatesThatBundleUpdateSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetUpdatesSupersededByUpdate">
  <wsdl:input message="tns:ExecuteSPGetUpdatesSupersededByUpdateSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetUpdatesSupersededByUpdateSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetUpdatesThatSupersedeUpdate">
  <wsdl:input message="tns:ExecuteSPGetUpdatesThatSupersedeUpdateSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetUpdatesThatSupersedeUpdateSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetUpdatesRequiredByUpdate">
  <wsdl:input message="tns:ExecuteSPGetUpdatesRequiredByUpdateSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetUpdatesRequiredByUpdateSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetUpdatesThatRequireUpdate">
  <wsdl:input message="tns:ExecuteSPGetUpdatesThatRequireUpdateSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetUpdatesThatRequireUpdateSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetLanguagesForUpdate">
  <wsdl:input message="tns:ExecuteSPGetLanguagesForUpdateSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetLanguagesForUpdateSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetContentDownloadProgress">
  <wsdl:input message="tns:ExecuteSPGetContentDownloadProgressSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetContentDownloadProgressSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPResumeDownload">
  <wsdl:input message="tns:ExecuteSPResumeDownloadSoapIn" />
  <wsdl:output message="tns:ExecuteSPResumeDownloadSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPResumeAllDownloads">
  <wsdl:input message="tns:ExecuteSPResumeAllDownloadsSoapIn" />
  <wsdl:output message="tns:ExecuteSPResumeAllDownloadsSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPCancelDownload">
  <wsdl:input message="tns:ExecuteSPCancelDownloadSoapIn" />
  <wsdl:output message="tns:ExecuteSPCancelDownloadSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPCancelAllDownloads">
  <wsdl:input message="tns:ExecuteSPCancelAllDownloadsSoapIn" />
  <wsdl:output message="tns:ExecuteSPCancelAllDownloadsSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPPurgeReportingEventInstances">
  <wsdl:input message="tns:ExecuteSPPurgeReportingEventInstancesSoapIn" />
  <wsdl:output message="tns:ExecuteSPPurgeReportingEventInstancesSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetEulaFile">
  <wsdl:input message="tns:ExecuteSPGetEulaFileSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetEulaFileSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetEulaAcceptances">
  <wsdl:input message="tns:ExecuteSPGetEulaAcceptancesSoapIn" />
  <wsdl:output message="tns:ExecuteSPGetEulaAcceptancesSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPAcceptEula">
  <wsdl:input message="tns:ExecuteSPAcceptEulaSoapIn" />
  <wsdl:output message="tns:ExecuteSPAcceptEulaSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPAcceptEulaForReplicaDSS">
  <wsdl:input message="tns:ExecuteSPAcceptEulaForReplicaDSSSoapIn" />
  <wsdl:output message="tns:ExecuteSPAcceptEulaForReplicaDSSSoapOut" />
</wsdl:operation>
<wsdl:operation name="ExecuteSPGetCategories">
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      <wsdl:input message="tns:ExecuteSPGetCategoriesSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetCategoriesSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetCategoryById">
      <wsdl:input message="tns:ExecuteSPGetCategoryByIdSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetCategoryByIdSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTopLevelCategories">
      <wsdl:input message="tns:ExecuteSPGetTopLevelCategoriesSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetTopLevelCategoriesSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetSubcategories">
      <wsdl:input message="tns:ExecuteSPGetSubcategoriesSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetSubcategoriesSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetParentCategories">
      <wsdl:input message="tns:ExecuteSPGetParentCategoriesSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetParentCategoriesSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetParentUpdateClassification">
      <wsdl:input message="tns:ExecuteSPGetParentUpdateClassificationSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetParentUpdateClassificationSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeployUpdate1">
      <wsdl:input message="tns:ExecuteSPDeployUpdate1SoapIn" />
      <wsdl:output message="tns:ExecuteSPDeployUpdate1SoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeployUpdate2">
      <wsdl:input message="tns:ExecuteSPDeployUpdate2SoapIn" />
      <wsdl:output message="tns:ExecuteSPDeployUpdate2SoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeploymentById">
      <wsdl:input message="tns:ExecuteSPGetDeploymentByIdSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetDeploymentByIdSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeploymentsByUpdate1">
      <wsdl:input message="tns:ExecuteSPGetDeploymentsByUpdate1SoapIn" />
      <wsdl:output message="tns:ExecuteSPGetDeploymentsByUpdate1SoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeploymentsByUpdate2">
      <wsdl:input message="tns:ExecuteSPGetDeploymentsByUpdate2SoapIn" />
      <wsdl:output message="tns:ExecuteSPGetDeploymentsByUpdate2SoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeploymentsByUpdate3">
      <wsdl:input message="tns:ExecuteSPGetDeploymentsByUpdate3SoapIn" />
      <wsdl:output message="tns:ExecuteSPGetDeploymentsByUpdate3SoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeployments">
      <wsdl:input message="tns:ExecuteSPGetDeploymentsSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetDeploymentsSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteDeployment">
      <wsdl:input message="tns:ExecuteSPDeleteDeploymentSoapIn" />
      <wsdl:output message="tns:ExecuteSPDeleteDeploymentSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteReplicaSPDeleteDeployment">
      <wsdl:input message="tns:ExecuteReplicaSPDeleteDeploymentSoapIn" />
      <wsdl:output message="tns:ExecuteReplicaSPDeleteDeploymentSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPRefreshDeployments">
      <wsdl:input message="tns:ExecuteSPRefreshDeploymentsSoapIn" />
      <wsdl:output message="tns:ExecuteSPRefreshDeploymentsSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTargetGroupById">
      <wsdl:input message="tns:ExecuteSPGetTargetGroupByIdSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetTargetGroupByIdSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTargetGroupsForComputer">
      <wsdl:input message="tns:ExecuteSPGetTargetGroupsForComputerSoapIn" />
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      <wsdl:output message="tns:ExecuteSPGetTargetGroupsForComputerSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetChildTargetGroups">
      <wsdl:input message="tns:ExecuteSPGetChildTargetGroupsSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetChildTargetGroupsSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetParentTargetGroup">
      <wsdl:input message="tns:ExecuteSPGetParentTargetGroupSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetParentTargetGroupSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetAllTargetGroups">
      <wsdl:input message="tns:ExecuteSPGetAllTargetGroupsSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetAllTargetGroupsSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCreateTargetGroup1">
      <wsdl:input message="tns:ExecuteSPCreateTargetGroup1SoapIn" />
      <wsdl:output message="tns:ExecuteSPCreateTargetGroup1SoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCreateTargetGroup2">
      <wsdl:input message="tns:ExecuteSPCreateTargetGroup2SoapIn" />
      <wsdl:output message="tns:ExecuteSPCreateTargetGroup2SoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteTargetGroup">
      <wsdl:input message="tns:ExecuteSPDeleteTargetGroupSoapIn" />
      <wsdl:output message="tns:ExecuteSPDeleteTargetGroupSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPAddComputerToTargetGroupAllowMultipleGroups">
      <wsdl:input message="tns:ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsSoapIn" />
      <wsdl:output message="tns:ExecuteSPAddComputerToTargetGroupAllowMultipleGroupsSoapOut"
/>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPRemoveComputerFromTargetGroup">
      <wsdl:input message="tns:ExecuteSPRemoveComputerFromTargetGroupSoapIn" />
      <wsdl:output message="tns:ExecuteSPRemoveComputerFromTargetGroupSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputersInTargetGroup">
      <wsdl:input message="tns:ExecuteSPGetComputersInTargetGroupSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetComputersInTargetGroupSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDownstreamServersInTargetGroup">
      <wsdl:input message="tns:ExecuteSPGetDownstreamServersInTargetGroupSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetDownstreamServersInTargetGroupSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPPreregisterComputer">
      <wsdl:input message="tns:ExecuteSPPreregisterComputerSoapIn" />
      <wsdl:output message="tns:ExecuteSPPreregisterComputerSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputerById">
      <wsdl:input message="tns:ExecuteSPGetComputerByIdSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetComputerByIdSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDownstreamServer">
      <wsdl:input message="tns:ExecuteSPGetDownstreamServerSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetDownstreamServerSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetAllComputers">
      <wsdl:input message="tns:ExecuteSPGetAllComputersSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetAllComputersSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSearchComputers">
      <wsdl:input message="tns:ExecuteSPSearchComputersSoapIn" />
      <wsdl:output message="tns:ExecuteSPSearchComputersSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputerCount">
      <wsdl:input message="tns:ExecuteSPGetComputerCountSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetComputerCountSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetAllDownstreamServers">
      <wsdl:input message="tns:ExecuteSPGetAllDownstreamServersSoapIn" />
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      <wsdl:output message="tns:ExecuteSPGetAllDownstreamServersSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteComputer">
      <wsdl:input message="tns:ExecuteSPDeleteComputerSoapIn" />
      <wsdl:output message="tns:ExecuteSPDeleteComputerSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteDownstreamServer">
      <wsdl:input message="tns:ExecuteSPDeleteDownstreamServerSoapIn" />
      <wsdl:output message="tns:ExecuteSPDeleteDownstreamServerSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputerTargetByName">
      <wsdl:input message="tns:ExecuteSPGetComputerTargetByNameSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetComputerTargetByNameSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSimpleSearchComputers">
      <wsdl:input message="tns:ExecuteSPSimpleSearchComputersSoapIn" />
      <wsdl:output message="tns:ExecuteSPSimpleSearchComputersSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSetSelfSigningCertificate">
      <wsdl:input message="tns:ExecuteSetSelfSigningCertificateSoapIn" />
      <wsdl:output message="tns:ExecuteSetSelfSigningCertificateSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSetSigningCertificate">
      <wsdl:input message="tns:ExecuteSetSigningCertificateSoapIn" />
      <wsdl:output message="tns:ExecuteSetSigningCertificateSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteGetSigningCertificate">
      <wsdl:input message="tns:ExecuteGetSigningCertificateSoapIn" />
      <wsdl:output message="tns:ExecuteGetSigningCertificateSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetInventoryItemsForComputer">
      <wsdl:input message="tns:ExecuteSPGetInventoryItemsForComputerSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetInventoryItemsForComputerSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetInventorySummary">
      <wsdl:input message="tns:ExecuteSPGetInventorySummarySoapIn" />
      <wsdl:output message="tns:ExecuteSPGetInventorySummarySoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputersHavingInventoryItem">
      <wsdl:input message="tns:ExecuteSPGetComputersHavingInventoryItemSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetComputersHavingInventoryItemSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSearchEventHistory">
      <wsdl:input message="tns:ExecuteSPSearchEventHistorySoapIn" />
      <wsdl:output message="tns:ExecuteSPSearchEventHistorySoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComponentsWithErrors">
      <wsdl:input message="tns:ExecuteSPGetComponentsWithErrorsSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetComponentsWithErrorsSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateServerStatus">
      <wsdl:input message="tns:ExecuteSPGetUpdateServerStatusSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetUpdateServerStatusSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDownstreamServerRollupSummary">
      <wsdl:input message="tns:ExecuteSPGetDownstreamServerRollupSummarySoapIn" />
      <wsdl:output message="tns:ExecuteSPGetDownstreamServerRollupSummarySoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetFailedToDownloadUpdatesCount">
      <wsdl:input message="tns:ExecuteSPGetFailedToDownloadUpdatesCountSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetFailedToDownloadUpdatesCountSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetSubscription">
      <wsdl:input message="tns:GetSubscriptionSoapIn" />
      <wsdl:output message="tns:GetSubscriptionSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetSubscriptionCategories">
      <wsdl:input message="tns:GetSubscriptionCategoriesSoapIn" />
      <wsdl:output message="tns:GetSubscriptionCategoriesSoapOut" />
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    </wsdl:operation>
    <wsdl:operation name="GetSubscriptionNextSynchronizationTime">
      <wsdl:input message="tns:GetSubscriptionNextSynchronizationTimeSoapIn" />
      <wsdl:output message="tns:GetSubscriptionNextSynchronizationTimeSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="SetSubscription">
      <wsdl:input message="tns:SetSubscriptionSoapIn" />
      <wsdl:output message="tns:SetSubscriptionSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="SetSubscriptionFrequency">
      <wsdl:input message="tns:SetSubscriptionFrequencySoapIn" />
      <wsdl:output message="tns:SetSubscriptionFrequencySoapOut" />
    </wsdl:operation>
    <wsdl:operation name="SetSubscriptionLastSynchronizationTime">
      <wsdl:input message="tns:SetSubscriptionLastSynchronizationTimeSoapIn" />
      <wsdl:output message="tns:SetSubscriptionLastSynchronizationTimeSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetAutomaticUpdateApprovalRules">
      <wsdl:input message="tns:GetAutomaticUpdateApprovalRulesSoapIn" />
      <wsdl:output message="tns:GetAutomaticUpdateApprovalRulesSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="SetAutomaticUpdateApprovalRule">
      <wsdl:input message="tns:SetAutomaticUpdateApprovalRuleSoapIn" />
      <wsdl:output message="tns:SetAutomaticUpdateApprovalRuleSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="SetAutomaticUpdateApprovalRule">
      <wsdl:input name="SetAutomaticUpdateApprovalRuleWithDeadline"
message="tns:SetAutomaticUpdateApprovalRuleWithDeadlineSoapIn" />
      <wsdl:output name="SetAutomaticUpdateApprovalRuleWithDeadline"
message="tns:SetAutomaticUpdateApprovalRuleWithDeadlineSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="CreateInstallApprovalRule">
      <wsdl:input message="tns:CreateInstallApprovalRuleSoapIn" />
      <wsdl:output message="tns:CreateInstallApprovalRuleSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="DeleteInstallApprovalRule">
      <wsdl:input message="tns:DeleteInstallApprovalRuleSoapIn" />
      <wsdl:output message="tns:DeleteInstallApprovalRuleSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetPreviousRevision">
      <wsdl:input message="tns:ExecuteSPGetPreviousRevisionSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetPreviousRevisionSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetXmlForUpdate">
      <wsdl:input message="tns:ExecuteSPGetXmlForUpdateSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetXmlForUpdateSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetLatestRevisionNumberForUpdate">
      <wsdl:input message="tns:ExecuteSPGetLatestRevisionNumberForUpdateSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetLatestRevisionNumberForUpdateSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetSdpXmlForUpdate">
      <wsdl:input message="tns:ExecuteSPGetSdpXmlForUpdateSoapIn" />
      <wsdl:output message="tns:ExecuteSPGetSdpXmlForUpdateSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSetEmailNotificationConfiguration">
      <wsdl:input message="tns:ExecuteSPSetEmailNotificationConfigurationSoapIn" />
      <wsdl:output message="tns:ExecuteSPSetEmailNotificationConfigurationSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSetEmailNotificationRecipients">
      <wsdl:input message="tns:ExecuteSPSetEmailNotificationRecipientsSoapIn" />
      <wsdl:output message="tns:ExecuteSPSetEmailNotificationRecipientsSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="SetSmtpUserPassword">
      <wsdl:input message="tns:SetSmtpUserPasswordSoapIn" />
      <wsdl:output message="tns:SetSmtpUserPasswordSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="HasSmtpUserPassword">
      <wsdl:input message="tns:HasSmtpUserPasswordSoapIn" />
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      <wsdl:output message="tns:HasSmtpUserPasswordSoapOut" />
    </wsdl:operation>
  </wsdl:portType>
  <wsdl:binding name="ApiRemotingSoap" type="tns:ApiRemotingSoap">
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />
    <wsdl:operation name="SignCabForPublishing">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SignCa
bForPublishing" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SignCabForPublishingWithTimeStampOption">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SignCa
bForPublishingWithTimeStampOption" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SignCabExForPublishingWithTimeStampOption">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SignCa
bExForPublishingWithTimeStampOption" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ImportUpdateForPublishing">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Import
UpdateForPublishing" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ApplyAutomaticUpdateApprovalRule">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApplyA
utomaticUpdateApprovalRule" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddDynamicCategory">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/AddDyn
amicCategory" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddDynamicCategories">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/AddDyn
amicCategories" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetDynamicCategory">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetDyn
amicCategory" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetDynamicCategories">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetDyn
amicCategories" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SetDynamicCategorySyncStatus">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SetDyn
amicCategorySyncStatus" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteDynamicCategory">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Delete
DynamicCategory" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetExportData">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetExportData" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetExportUpdateData">
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      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetExportUpdateData" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetSubscriptionState">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSub
scriptionState" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetServerSyncProgress">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSer
verSyncProgress" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="StartSubscriptionManually">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/StartS
ubscriptionManually" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="StartSubscriptionManuallyForCategoryOnly">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/StartS
ubscriptionManuallyForCategoryOnly" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="StopSubscription">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/StopSu
bscription" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ImportUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Import
Update" style="document" />
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      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPWakeUpResetAgent">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPWakeUpResetAgent" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPWakeUpRollupAgent">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPWakeUpRollupAgent" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddNewLanguage">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/AddNew
Language" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetInstallableItems">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetInstallableItems" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetApprovedUpdateMetadata">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetApprovedUpdateMetadata" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPHasApprovalsChanged">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPHasApprovalsChanged" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
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      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeclineSupersededUpdates">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeclineSupersededUpdates" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeclineExpiredUpdates">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeclineExpiredUpdates" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCountObsoleteUpdatesToCleanup">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPCountObsoleteUpdatesToCleanup" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetObsoleteUpdatesToCleanup">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetObsoleteUpdatesToCleanup" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCountUpdatesToCompress">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPCountUpdatesToCompress" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesToCompress">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesToCompress" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCompressUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPCompressUpdate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteUpdateByUpdateID">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeleteUpdateByUpdateID" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeleteUpdate" style="document" />
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        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCleanupObsoleteComputers">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPCleanupObsoleteComputers" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCleanupUnneededContentFiles2">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPCleanupUnneededContentFiles2" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="StopWSUSService">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/StopWS
USService" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="StartWSUSService">
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      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/StartW
SUSService" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetServerVersion">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSer
verVersion" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetServerProtocolVersion">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSer
verProtocolVersion" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetDatabaseConfiguration">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetDat
abaseConfiguration" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetEmailNotificationConfiguration">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetEmailNotificationConfiguration" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetEmailNotificationRecipients">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetEmailNotificationRecipients" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SendTestEmail">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SendTe
stEmail" style="document" />
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      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="CatalogSiteGetMetadataAndImport">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Catalo
gSiteGetMetadataAndImport" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="Ping">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/IMonitorable/Ping"
style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetCurrentUserRole">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetCur
rentUserRole" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetConfiguration">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetConfiguration" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetResetStateMachineNeededFlag">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetRes
etStateMachineNeededFlag" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSetRollupConfiguration">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSetRollupConfiguration" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
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      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SetProxyPassword">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SetPro
xyPassword" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="HasProxyPassword">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/HasPro
xyPassword" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSetConfiguration">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSetConfiguration" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetAllLanguagesWithEnabledState">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetAllLanguagesWithEnabledState" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetProgramKeys">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetProgramKeys" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetFrontEndServers">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetFrontEndServers" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPRemoveFrontEndServer">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPRemoveFrontEndServer" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetClientsWithRecentNameChange">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetClientsWithRecentNameChange" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPLoadReportingEventAttributes">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPLoadReportingEventAttributes" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeclineUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeclineUpdate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateById">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateById" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesByCategory">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesByCategory" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSearchUpdates">
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      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSearchUpdates" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateCount">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateCount" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetSummariesPerComputer">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetSummariesPerComputer" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetSummariesPerUpdate_SingleUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetSummariesPerUpdate SingleUpdate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetSummariesPerUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetSummariesPerUpdate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTotalUpdateSummaryForTargetGroup">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetTotalUpdateSummaryForTargetGroup" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateSummariesForTargetGroup">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateSummariesForTargetGroup" style="document" />
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```
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputerSummariesForTargetGroup">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputerSummariesForTargetGroup" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTargetGroupSummariesForUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetTargetGroupSummariesForUpdate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateSummaryForSingleTargetGroup">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateSummaryForSingleTargetGroup" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTotalSummaryForCategory">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetTotalSummaryForCategory" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateSummariesForCategory">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateSummariesForCategory" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
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      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputerSummariesForCategory">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputerSummariesForCategory" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
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      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateInstallationInfoForTargetGroup">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateInstallationInfoForTargetGroup" style="document" />
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        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTotalSummaryForComputer">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetTotalSummaryForComputer" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
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        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateInstallationInfoForUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateInstallationInfoForUpdate" style="document" />
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      </wsdl:input>
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        <soap:body use="literal" />
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    </wsdl:operation>
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateInstallationInfoForComputer" style="document" />
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        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputersNotContactedSinceCount">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputersNotContactedSinceCount" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
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      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSimpleSearchUpdates">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSimpleSearchUpdates" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetRevisions">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetRevisions" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
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      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesBundledByUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesBundledByUpdate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesThatBundleUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesThatBundleUpdate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesSupersededByUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesSupersededByUpdate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesThatSupersedeUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesThatSupersedeUpdate" style="document" />
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      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesRequiredByUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesRequiredByUpdate" style="document" />
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        <soap:body use="literal" />
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      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesThatRequireUpdate">
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      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesThatRequireUpdate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
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        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetLanguagesForUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetLanguagesForUpdate" style="document" />
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      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetContentDownloadProgress">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetContentDownloadProgress" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
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      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPResumeDownload">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPResumeDownload" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
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      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPResumeAllDownloads">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPResumeAllDownloads" style="document" />
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      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCancelDownload">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPCancelDownload" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCancelAllDownloads">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPCancelAllDownloads" style="document" />
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      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPPurgeReportingEventInstances">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPPurgeReportingEventInstances" style="document" />
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        <soap:body use="literal" />
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      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetEulaFile">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetEulaFile" style="document" />
      <wsdl:input>
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        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetEulaAcceptances">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetEulaAcceptances" style="document" />
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        <soap:body use="literal" />
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    <wsdl:operation name="ExecuteSPAcceptEula">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPAcceptEula" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPAcceptEulaForReplicaDSS">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPAcceptEulaForReplicaDSS" style="document" />
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      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetCategories">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetCategories" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
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      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetCategoryById">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetCategoryById" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTopLevelCategories">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetTopLevelCategories" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetSubcategories">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetSubcategories" style="document" />
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        <soap:body use="literal" />
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        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetParentCategories">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetParentCategories" style="document" />
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      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetParentUpdateClassification">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetParentUpdateClassification" style="document" />
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      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeployUpdate1">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeployUpdate1" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeployUpdate2">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeployUpdate2" style="document" />
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        <soap:body use="literal" />
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      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeploymentById">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDeploymentById" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeploymentsByUpdate1">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDeploymentsByUpdate1" style="document" />
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        <soap:body use="literal" />
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        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeploymentsByUpdate2">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDeploymentsByUpdate2" style="document" />
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        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeploymentsByUpdate3">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDeploymentsByUpdate3" style="document" />
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        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeployments">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDeployments" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteDeployment">
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      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeleteDeployment" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteReplicaSPDeleteDeployment">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eReplicaSPDeleteDeployment" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPRefreshDeployments">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPRefreshDeployments" style="document" />
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      </wsdl:input>
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        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTargetGroupById">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetTargetGroupById" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTargetGroupsForComputer">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetTargetGroupsForComputer" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetChildTargetGroups">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetChildTargetGroups" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetParentTargetGroup">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetParentTargetGroup" style="document" />
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      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetAllTargetGroups">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetAllTargetGroups" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCreateTargetGroup1">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPCreateTargetGroup1" style="document" />
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        <soap:body use="literal" />
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        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCreateTargetGroup2">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPCreateTargetGroup2" style="document" />
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        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteTargetGroup">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeleteTargetGroup" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPAddComputerToTargetGroupAllowMultipleGroups">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPAddComputerToTargetGroupAllowMultipleGroups" style="document" />
      <wsdl:input>
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      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPRemoveComputerFromTargetGroup">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPRemoveComputerFromTargetGroup" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
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      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputersInTargetGroup">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputersInTargetGroup" style="document" />
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        <soap:body use="literal" />
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        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDownstreamServersInTargetGroup">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDownstreamServersInTargetGroup" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPPreregisterComputer">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPPreregisterComputer" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputerById">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputerById" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDownstreamServer">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDownstreamServer" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetAllComputers">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetAllComputers" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSearchComputers">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSearchComputers" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
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        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputerCount">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputerCount" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetAllDownstreamServers">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetAllDownstreamServers" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteComputer">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeleteComputer" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteDownstreamServer">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeleteDownstreamServer" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputerTargetByName">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputerTargetByName" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSimpleSearchComputers">
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      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSimpleSearchComputers" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSetSelfSigningCertificate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSetSelfSigningCertificate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSetSigningCertificate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSetSigningCertificate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteGetSigningCertificate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eGetSigningCertificate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetInventoryItemsForComputer">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetInventoryItemsForComputer" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetInventorySummary">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetInventorySummary" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputersHavingInventoryItem">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputersHavingInventoryItem" style="document" />
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      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSearchEventHistory">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSearchEventHistory" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComponentsWithErrors">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComponentsWithErrors" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateServerStatus">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateServerStatus" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDownstreamServerRollupSummary">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDownstreamServerRollupSummary" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetFailedToDownloadUpdatesCount">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetFailedToDownloadUpdatesCount" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetSubscription">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSub
scription" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
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      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetSubscriptionCategories">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSub
scriptionCategories" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetSubscriptionNextSynchronizationTime">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSub
scriptionNextSynchronizationTime" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SetSubscription">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SetSub
scription" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SetSubscriptionFrequency">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SetSub
scriptionFrequency" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SetSubscriptionLastSynchronizationTime">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SetSub
scriptionLastSynchronizationTime" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetAutomaticUpdateApprovalRules">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetAut
omaticUpdateApprovalRules" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
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    </wsdl:operation>
    <wsdl:operation name="SetAutomaticUpdateApprovalRule">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SetAut
omaticUpdateApprovalRule" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SetAutomaticUpdateApprovalRule">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SetAut
omaticUpdateApprovalRuleWithDeadline" style="document" />
      <wsdl:input name="SetAutomaticUpdateApprovalRuleWithDeadline">
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output name="SetAutomaticUpdateApprovalRuleWithDeadline">
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="CreateInstallApprovalRule">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Create
InstallApprovalRule" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteInstallApprovalRule">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Delete
InstallApprovalRule" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetPreviousRevision">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetPreviousRevision" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetXmlForUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetXmlForUpdate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetLatestRevisionNumberForUpdate">
```


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      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetLatestRevisionNumberForUpdate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetSdpXmlForUpdate">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetSdpXmlForUpdate" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSetEmailNotificationConfiguration">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSetEmailNotificationConfiguration" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSetEmailNotificationRecipients">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSetEmailNotificationRecipients" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="SetSmtpUserPassword">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SetSmt
pUserPassword" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="HasSmtpUserPassword">
      <soap:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/HasSmt
pUserPassword" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
  </wsdl:binding>
  <wsdl:binding name="ApiRemotingSoap12" type="tns:ApiRemotingSoap">
    <soap12:binding transport="http://schemas.xmlsoap.org/soap/http" />
    <wsdl:operation name="SignCabForPublishing">
```


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      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SignCa
bForPublishing" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SignCabForPublishingWithTimeStampOption">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SignCa
bForPublishingWithTimeStampOption" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
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      <wsdl:output>
        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="SignCabExForPublishingWithTimeStampOption">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SignCa
bExForPublishingWithTimeStampOption" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
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      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ImportUpdateForPublishing">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Import
UpdateForPublishing" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ApplyAutomaticUpdateApprovalRule">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/ApplyA
utomaticUpdateApprovalRule" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddDynamicCategory">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/AddDyn
amicCategory" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddDynamicCategories">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/AddDyn
amicCategories" style="document" />
```


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      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetDynamicCategory">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetDyn
amicCategory" style="document" />
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        <soap12:body use="literal" />
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      <wsdl:output>
        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="GetDynamicCategories">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetDyn
amicCategories" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="SetDynamicCategorySyncStatus">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SetDyn
amicCategorySyncStatus" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
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      <wsdl:output>
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    </wsdl:operation>
    <wsdl:operation name="DeleteDynamicCategory">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Delete
DynamicCategory" style="document" />
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        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetExportData">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetExportData" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetExportUpdateData">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetExportUpdateData" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
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      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetSubscriptionState">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSub
scriptionState" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetServerSyncProgress">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSer
verSyncProgress" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="StartSubscriptionManually">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/StartS
ubscriptionManually" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="StartSubscriptionManuallyForCategoryOnly">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/StartS
ubscriptionManuallyForCategoryOnly" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="StopSubscription">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/StopSu
bscription" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ImportUpdate">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Import
Update" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPWakeUpResetAgent">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPWakeUpResetAgent" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPWakeUpRollupAgent">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPWakeUpRollupAgent" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddNewLanguage">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/AddNew
Language" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetInstallableItems">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetInstallableItems" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetApprovedUpdateMetadata">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetApprovedUpdateMetadata" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPHasApprovalsChanged">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPHasApprovalsChanged" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeclineSupersededUpdates">
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```
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeclineSupersededUpdates" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeclineExpiredUpdates">
      <soap12:operation
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eSPDeclineExpiredUpdates" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCountObsoleteUpdatesToCleanup">
      <soap12:operation
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eSPCountObsoleteUpdatesToCleanup" style="document" />
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    <wsdl:operation name="ExecuteSPGetObsoleteUpdatesToCleanup">
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eSPGetObsoleteUpdatesToCleanup" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCountUpdatesToCompress">
      <soap12:operation
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eSPCountUpdatesToCompress" style="document" />
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        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesToCompress">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesToCompress" style="document" />
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      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCompressUpdate">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPCompressUpdate" style="document" />
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      <wsdl:input>
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      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteUpdateByUpdateID">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeleteUpdateByUpdateID" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteUpdate">
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eSPDeleteUpdate" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCleanupObsoleteComputers">
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eSPCleanupObsoleteComputers" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCleanupUnneededContentFiles2">
      <soap12:operation
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eSPCleanupUnneededContentFiles2" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="StopWSUSService">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/StopWS
USService" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="StartWSUSService">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/StartW
SUSService" style="document" />
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      </wsdl:input>
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        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetServerVersion">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSer
verVersion" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="GetServerProtocolVersion">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSer
verProtocolVersion" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="GetDatabaseConfiguration">
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abaseConfiguration" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetEmailNotificationConfiguration">
      <soap12:operation
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eSPGetEmailNotificationConfiguration" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetEmailNotificationRecipients">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetEmailNotificationRecipients" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="SendTestEmail">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SendTe
stEmail" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
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    </wsdl:operation>
    <wsdl:operation name="CatalogSiteGetMetadataAndImport">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Catalo
gSiteGetMetadataAndImport" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="Ping">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/IMonitorable/Ping"
style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="GetCurrentUserRole">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetCur
rentUserRole" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetConfiguration">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetConfiguration" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="GetResetStateMachineNeededFlag">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetRes
etStateMachineNeededFlag" style="document" />
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        <soap12:body use="literal" />
      </wsdl:input>
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSetRollupConfiguration">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSetRollupConfiguration" style="document" />
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      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SetProxyPassword">
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      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/SetPro
xyPassword" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="HasProxyPassword">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/HasPro
xyPassword" style="document" />
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        <soap12:body use="literal" />
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      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSetConfiguration">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSetConfiguration" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetAllLanguagesWithEnabledState">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetAllLanguagesWithEnabledState" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetProgramKeys">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetProgramKeys" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetFrontEndServers">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetFrontEndServers" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPRemoveFrontEndServer">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPRemoveFrontEndServer" style="document" />
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      <wsdl:input>
        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetClientsWithRecentNameChange">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetClientsWithRecentNameChange" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPLoadReportingEventAttributes">
      <soap12:operation
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eSPLoadReportingEventAttributes" style="document" />
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    <wsdl:operation name="ExecuteSPDeclineUpdate">
      <soap12:operation
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eSPDeclineUpdate" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateById">
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eSPGetUpdateById" style="document" />
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        <soap12:body use="literal" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesByCategory">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesByCategory" style="document" />
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        <soap12:body use="literal" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSearchUpdates">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSearchUpdates" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateCount">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateCount" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetSummariesPerComputer">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetSummariesPerComputer" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetSummariesPerUpdate_SingleUpdate">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetSummariesPerUpdate_SingleUpdate" style="document" />
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        <soap12:body use="literal" />
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    <wsdl:operation name="ExecuteSPGetSummariesPerUpdate">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetSummariesPerUpdate" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTotalUpdateSummaryForTargetGroup">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetTotalUpdateSummaryForTargetGroup" style="document" />
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    <wsdl:operation name="ExecuteSPGetUpdateSummariesForTargetGroup">
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputerSummariesForTargetGroup">
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eSPGetComputerSummariesForTargetGroup" style="document" />
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eSPGetTargetGroupSummariesForUpdate" style="document" />
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateSummaryForSingleTargetGroup" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTotalSummaryForCategory">
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eSPGetTotalSummaryForCategory" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateSummariesForCategory">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateSummariesForCategory" style="document" />
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        <soap12:body use="literal" />
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    <wsdl:operation name="ExecuteSPGetComputerSummariesForCategory">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputerSummariesForCategory" style="document" />
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      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdateInstallationInfoForTargetGroup">
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      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdateInstallationInfoForTargetGroup" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
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eSPGetTotalSummaryForComputer" style="document" />
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    <wsdl:operation name="ExecuteSPGetUpdateInstallationInfoForUpdate">
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eSPGetUpdateInstallationInfoForUpdate" style="document" />
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eSPGetUpdateInstallationInfoForComputer" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputersNotContactedSinceCount">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputersNotContactedSinceCount" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSimpleSearchUpdates">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSimpleSearchUpdates" style="document" />
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      </wsdl:input>
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        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetRevisions">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetRevisions" style="document" />
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      <wsdl:input>
        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesBundledByUpdate">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesBundledByUpdate" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesThatBundleUpdate">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesThatBundleUpdate" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesSupersededByUpdate">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesSupersededByUpdate" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesThatSupersedeUpdate">
      <soap12:operation
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eSPGetUpdatesThatSupersedeUpdate" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesRequiredByUpdate">
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eSPGetUpdatesRequiredByUpdate" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetUpdatesThatRequireUpdate">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetUpdatesThatRequireUpdate" style="document" />
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        <soap12:body use="literal" />
      </wsdl:input>
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      <wsdl:output>
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetLanguagesForUpdate">
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eSPGetLanguagesForUpdate" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetContentDownloadProgress">
      <soap12:operation
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eSPGetContentDownloadProgress" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPResumeDownload">
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eSPResumeDownload" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPResumeAllDownloads">
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eSPResumeAllDownloads" style="document" />
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        <soap12:body use="literal" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCancelDownload">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPCancelDownload" style="document" />
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        <soap12:body use="literal" />
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        <soap12:body use="literal" />
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eSPCancelAllDownloads" style="document" />
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        <soap12:body use="literal" />
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    <wsdl:operation name="ExecuteSPPurgeReportingEventInstances">
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eSPPurgeReportingEventInstances" style="document" />
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    <wsdl:operation name="ExecuteSPGetEulaFile">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetEulaFile" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetEulaAcceptances">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetEulaAcceptances" style="document" />
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eSPAcceptEula" style="document" />
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    <wsdl:operation name="ExecuteSPAcceptEulaForReplicaDSS">
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eSPAcceptEulaForReplicaDSS" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetCategories">
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eSPGetCategories" style="document" />
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        <soap12:body use="literal" />
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        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetCategoryById">
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      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetCategoryById" style="document" />
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        <soap12:body use="literal" />
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        <soap12:body use="literal" />
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    <wsdl:operation name="ExecuteSPGetTopLevelCategories">
      <soap12:operation
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eSPGetTopLevelCategories" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetSubcategories">
      <soap12:operation
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eSPGetSubcategories" style="document" />
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    <wsdl:operation name="ExecuteSPGetParentCategories">
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eSPGetParentCategories" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetParentUpdateClassification">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetParentUpdateClassification" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeployUpdate1">
      <soap12:operation
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eSPDeployUpdate1" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeployUpdate2">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeployUpdate2" style="document" />
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      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeploymentById">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDeploymentById" style="document" />
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        <soap12:body use="literal" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeploymentsByUpdate1">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDeploymentsByUpdate1" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeploymentsByUpdate2">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDeploymentsByUpdate2" style="document" />
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    <wsdl:operation name="ExecuteSPGetDeploymentsByUpdate3">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDeploymentsByUpdate3" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetDeployments">
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eSPGetDeployments" style="document" />
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        <soap12:body use="literal" />
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        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteDeployment">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeleteDeployment" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteReplicaSPDeleteDeployment">
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eReplicaSPDeleteDeployment" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPRefreshDeployments">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPRefreshDeployments" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTargetGroupById">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetTargetGroupById" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetTargetGroupsForComputer">
      <soap12:operation
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eSPGetTargetGroupsForComputer" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetChildTargetGroups">
      <soap12:operation
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eSPGetChildTargetGroups" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetParentTargetGroup">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetParentTargetGroup" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetAllTargetGroups">
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eSPGetAllTargetGroups" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPCreateTargetGroup1">
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eSPCreateTargetGroup1" style="document" />
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    <wsdl:operation name="ExecuteSPCreateTargetGroup2">
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eSPCreateTargetGroup2" style="document" />
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    <wsdl:operation name="ExecuteSPDeleteTargetGroup">
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eSPDeleteTargetGroup" style="document" />
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    </wsdl:operation>
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eSPAddComputerToTargetGroupAllowMultipleGroups" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPRemoveComputerFromTargetGroup">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPRemoveComputerFromTargetGroup" style="document" />
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        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputersInTargetGroup">
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      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputersInTargetGroup" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
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    <wsdl:operation name="ExecuteSPGetDownstreamServersInTargetGroup">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetDownstreamServersInTargetGroup" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPPreregisterComputer">
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eSPPreregisterComputer" style="document" />
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    <wsdl:operation name="ExecuteSPGetComputerById">
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eSPGetComputerById" style="document" />
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    </wsdl:operation>
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eSPGetDownstreamServer" style="document" />
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        <soap12:body use="literal" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetAllComputers">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetAllComputers" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSearchComputers">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSearchComputers" style="document" />
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      <wsdl:input>
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputerCount">
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputerCount" style="document" />
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    </wsdl:operation>
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetAllDownstreamServers" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPDeleteComputer">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPDeleteComputer" style="document" />
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eSPDeleteDownstreamServer" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputerTargetByName">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetComputerTargetByName" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPSimpleSearchComputers">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPSimpleSearchComputers" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
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      <wsdl:output>
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSetSelfSigningCertificate">
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eSetSelfSigningCertificate" style="document" />
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eSetSigningCertificate" style="document" />
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    <wsdl:operation name="ExecuteGetSigningCertificate">
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eGetSigningCertificate" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetInventoryItemsForComputer">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetInventoryItemsForComputer" style="document" />
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    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetInventorySummary">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
eSPGetInventorySummary" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
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        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ExecuteSPGetComputersHavingInventoryItem">
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```
    </wsdl:operation>
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eSPGetUpdateServerStatus" style="document" />
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    <wsdl:operation name="ExecuteSPGetDownstreamServerRollupSummary">
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/Execut
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      <wsdl:input>
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soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSub
scription" style="document" />
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```


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```
      <soap12:operation
soapAction="http://www.microsoft.com/SoftwareDistribution/Server/ApiRemotingWebService/GetSub
scriptionCategories" style="document" />
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```
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pUserPassword" style="document" />
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      <soap:address location="http:// localhost/ApiRemotingWebService/ApiRemoting.asmx" />
    </wsdl:port>
    <wsdl:port name="ApiRemotingSoap12" binding="tns:ApiRemotingSoap12">
      <soap12:address location="http:// localhost/ApiRemotingWebService/ApiRemoting.asmx" />
    </wsdl:port>
  </wsdl:service>
</wsdl:definitions>
```


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7 Appendix B: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include updates to those products.

- Windows 2000 Server operating system
- Windows Server 2003 operating system
- Windows Server 2008 operating system
- Windows Server 2008 R2 operating system
- Windows Server 2012 operating system
- Windows Server 2012 R2 operating system
- Windows Server 2016 operating system
- Windows Server operating system

Exceptions, if any, are noted in this section. If an update version, service pack or Knowledge Base (KB) number appears with a product name, the behavior changed in that update. The new behavior also applies to subsequent updates unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms "SHOULD" or "SHOULD NOT" implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term "MAY" implies that the product does not follow the prescription.

<1> Section 2.2.4.10: In Windows, it specifies the number of seconds that the state machine error handling system waits before the log message entries are rolled back due to an error.

<2> Section 2.2.4.10: In Windows implementations, this field is set to Default.

<3> Section 2.2.4.10: In Windows implementations, **OobeInitialized** is used to indicate whether or not the initial configuration wizard ran.

<4> Section 2.2.4.10: In Windows implementations, this is the maximum value that a SyncUpdate response, as specified in [MS-WSUSSS] section 3.1.4.6.3.3, can return.

<5> Section 2.2.4.10: In Windows implementations, this is the maximum value that a GetUpdateData response, as specified in [MS-WSUSSS] section 3.1.4.6, can return.

<6> Section 2.2.4.10: In the Windows implementation, this value defines a threshold in megabytes for the size of all raw XML stored in the database. If the threshold is reached, the Windows implementation deletes the XML data of revisions.

<7> Section 2.2.4.12.1.7: For software updates applicable to the Windows implementation of this protocol, this field is set to TRUE.

<8> Section 2.2.4.12.1.8: DynamicCategory is not implemented in Windows 2000 Server, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, and Windows Server 2012 R2.

<9> Section 2.2.5.13: The DynamicCategoryType enumeration is not implemented in Windows 2000 Server, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, and Windows Server 2012 R2.

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<10> Section 2.2.5.14: The OriginType enumeration is not implemented in Windows 2000 Server, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, and Windows Server 2012 R2.

<11> Section 3.1.4: DynamicCategory is not implemented in Windows 2000 Server, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, and Windows Server 2012 R2.

<12> Section 3.1.4.77.3.2: The update metadata for Windows implementations is described in [MSDN-CreateUpdateMetadata].

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8 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

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