

[MS-WUSP]: Windows Update Services: Client-Server Protocol

This topic lists the Errata found in [MS-WUSP] since it was last published. Since this topic is updated frequently, we recommend that you subscribe to these RSS or Atom feeds to receive update notifications.



Errata are subject to the same terms as the Open Specifications documentation referenced.

Errata below are for Protocol Document Version [V31.0 – 2021/06/25](#).

Errata Published*	Description
2021/09/07	<p>In Section 2.2.2.2.4, SyncUpdates, updated the applicability of the ClientBehaviors element.</p> <p>Changed from:</p> <p><19> Section 2.2.2.2.4: The ClientBehaviors element is not supported in Windows clients earlier than Windows 10 v21H1 operating system.</p> <p>Changed to:</p> <p><19> Section 2.2.2.2.4: The ClientBehaviors element is not supported in Windows clients and servers earlier than Windows 10 v2004 and Windows Server v2004 operating system.</p>
2021/08/17	<p>In Section 2.2.2.2.6 GetExtendedUpdateInfo, added the GeoId property to the Request XML as part of the GetExtendedUpdateInfo method and provided definition of the GeoId property. Added product behavior note to indicate operating systems that support the GeoId property via feature backports to those systems.</p> <p>Changed from:</p> <p>"Request:</p> <pre data-bbox="479 1213 1282 1549"> <s:element name="GetExtendedUpdateInfo"> <s:complexType> <s:sequence> <s:element minOccurs="0" maxOccurs="1" name="cookie" type="s1:Cookie" /> <s:element minOccurs="0" maxOccurs="1" name="revisionIDs" type="s1:ArrayOfInt" /> <s:element minOccurs="0" maxOccurs="1" name="infoTypes" type="s1:ArrayOfXmlUpdateFragmentType" /> <s:element minOccurs="0" maxOccurs="1" name="locales" type="s1:ArrayOfString" /> </s:sequence> </s:complexType> </s:element> </pre> <p>...</p> <p>locales: Optionally specifies the locales for which localizable extended metadata MUST be returned. Localizable metadata are elements such as human-readable strings, which are represented differently between locales, as specified in [MS-LCID]. The service SHOULD always return the EN locale extended metadata.</p> <p>Response:</p> <p>...</p>

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	<p>Changed to:</p> <p>Request:</p> <pre data-bbox="483 428 1284 810"> <s:element name="GetExtendedUpdateInfo"> <s:complexType> <s:sequence> <s:element minOccurs="0" maxOccurs="1" name="cookie" type="s1:Cookie" /> <s:element minOccurs="0" maxOccurs="1" name="revisionIDs" type="s1:ArrayOfInt" /> <s:element minOccurs="0" maxOccurs="1" name="infoTypes" type="s1:ArrayOfXmlUpdateFragmentType" /> <s:element minOccurs="0" maxOccurs="1" name="locales" type="s1:ArrayOfString" /> <s:element minOccurs="0" maxOccurs="1" name="GeoId" type="s1:String" /> </s:sequence> </s:complexType> </s:element> </pre> <p>...</p> <p>locales: Optionally specifies the locales for which localizable extended metadata MUST be returned. Localizable metadata are elements such as human-readable strings, which are represented differently between locales, as specified in [MS-LCID]. The service SHOULD always return the EN locale extended metadata.</p> <p>GeoId: Optionally specifies the region for which to retrieve end user license agreement (EULA) XML fragments and digests for the requested updates, as specified in the [ISO-3166] three-letter region codes.<22></p> <p>Response:</p> <p>...</p> <p><22> Section 2.2.2.2.6: The GeoId property is backported [MSKB-5005101] for support on the Windows 10 v2004, Windows 10 v20H2, Windows 10 v21H1 operating system, Windows Server v2004 Core operating system, and Windows Server v20H2 Core operating system.</p> <p>In Section 3.1.1.1 Abstract Data Model, updated region information in the Metadata Table by adding the GeoId element and description to the Eula entry; updated product behavior note <32>:</p> <p>Changed from:</p> <p>Eula: There are zero or more "Eula" entries created from the revision's metadata: one for each XmlNode, N, with unqualified XPATH /Update/LocalizedPropertiesCollection/EulaFile.</p> <p>RevisionID: References the entry in the revision table for the revision's metadata.</p> <p>FragmentType: Eula.</p> <p>XmlFragment: Strip namespaces from the XmlNode.</p> <p>Locale: The "Language" attribute of the XmlNode.</p> <p>Note Clients don't use the EULA fragments obtained from a Windows Server Update Services (WSUS) server (this fragment is only used by clients talking to the WSUS). Instead, a WSUS server administrator MUST accept EULAs on behalf of clients.<32></p> <p>Changed to:</p>

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	<p>Eula: There are zero or more "Eula" entries created from the revision's metadata: one for each XmlNode, N, with unqualified XPATH /Update/LocalizedPropertiesCollection/EulaFile.</p> <p>RevisionID: References the entry in the revision table for the revision's metadata.</p> <p>FragmentType: Eula.</p> <p>XmlFragment: Strip namespaces from the XmlNode.</p> <p>Locale: The "Language" attribute of the XmlNode.</p> <p>GeoId: Specifies the geographic region for which the end user license agreement (EULA) XML fragment is intended, if any. No GeoId or an empty GeoId indicates that the EULA is a "Rest of World" EULA with no region-specific targeting, as specified in the [ISO-3166] three-letter region codes.</p> <p>Note Clients don't use the EULA fragments obtained from a Windows Server Update Services (WSUS) server (this fragment is only used by clients talking to the WSUS). Instead, a WSUS server administrator MUST accept EULAs on behalf of clients.<32>"</p> <p>Changed from:</p> <p><32> Section 3.1.1.1: WUA expects the /Update/LocalizedPropertiesCollection/EulaFile node to conform to the following schema.</p> <pre> <complexType name="EulaFile"> <annotation> <documentation>A localized end user license agreement (EULA) file for the update. The MSUS Client will download the EULA to the local hard drive and validate Digest.</documentation> </annotation> <!-- The following sequence is expected only by Windows 8 and Windows Server 2012 --> <sequence> <element name="AdditionalDigest" minOccurs="0" maxOccurs="unbounded" type="bt:AdditionalDigest"></element> </sequence> <attribute name="Digest" type="bt:FileDigest" use="required" /> <attribute name="DigestAlgorithm" type="bt:FileDigestAlgorithm" use="required" /> <attribute name="FileName" type="bt:FileName" use="required" /> <attribute name="Size" type="bt:FileSize" use="required" /> <attribute name="Language" type="upd:LocalizedPropertiesLanguage" use="required" /> </complexType> </pre> <p>Changed to:</p> <p><32> Section 3.1.1.1: WUA expects the /Update/LocalizedPropertiesCollection/EulaFile node to conform to the following schema.</p> <pre> <complexType name="EulaFile"> <annotation> <documentation>A localized end user license agreement (EULA) file for the update. The MSUS Client will download the EULA to the local hard drive and validate Digest.</documentation> </annotation> <!-- The following sequence is expected only by Windows 8 and Windows Server 2012 --> <sequence> <element name="AdditionalDigest" minOccurs="0" maxOccurs="unbounded" type="bt:AdditionalDigest"></element> </pre>

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	<pre> </sequence> <attribute name="Digest" type="bt:FileDigest" use="required" /> <attribute name="DigestAlgorithm" type="bt:FileDigestAlgorithm" use="required" /> <attribute name="FileName" type="bt:FileName" use="required" /> <attribute name="Size" type="bt:FileSize" use="required" /> <attribute name="Language" type="upd:LocalizedPropertiesLanguage" use="required" /> <attribute name="GeoId" type="s1:String" use="optional" /> </complexType> </pre> <p>In Section 6.2 Client Web Services WSDL, added the GeoId property to the protocol WSDL:</p> <p>Changed from:</p> <pre> <s:sequence> <s:element minOccurs="0" maxOccurs="1" name="cookie" type="tns:Cookie" /> <s:element minOccurs="0" maxOccurs="1" name="revisionIDs" type="tns:ArrayOfInt" /> <s:element minOccurs="0" maxOccurs="1" name="infoTypes" type="tns:ArrayOfXmlUpdateFragmentType" /> <s:element minOccurs="0" maxOccurs="1" name="locales" type="tns:ArrayOfString" /> </s:sequence> </pre> <p>Changed to:</p> <pre> <s:sequence> <s:element minOccurs="0" maxOccurs="1" name="cookie" type="tns:Cookie" /> <s:element minOccurs="0" maxOccurs="1" name="revisionIDs" type="tns:ArrayOfInt" /> <s:element minOccurs="0" maxOccurs="1" name="infoTypes" type="tns:ArrayOfXmlUpdateFragmentType" /> <s:element minOccurs="0" maxOccurs="1" name="locales" type="tns:ArrayOfString" /> <s:element minOccurs="0" maxOccurs="1" name="GeoId" type="s1:String" /> </s:sequence> </pre>
2021/08/10	<p>In Section 3.1.5.7 SyncUpdates, updated to replace one instance of 'ChannelUpdates' with 'ChangedUpdates' in SyncUpdatesResponse.NewCookie bullet point.</p> <p>Changed from:</p> <p>"... if the current deployment's LastChangeTime is less than the value stored in this cookie, then the deployment need not be returned in the ChannelUpdates list, since the deployment data will already be cached on the client."</p> <p>Changed to:</p> <p>"... if the current deployment's LastChangeTime is less than the value stored in this cookie, then the deployment need not be returned in the ChangedUpdateslist, since the deployment data will already be cached on the client."</p>

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	<p>In Section 3.1.5.12 SyncPrinterCatalog, updated to replace one instance of 'ChannelUpdates' with 'ChangedUpdates' in SyncPrinterCatalogResponse.NewCookie bullet point.</p> <p>Changed from:</p> <p>"... if the current deployment's LastChangeTime is less than the value stored in this cookie, then the deployment need not be returned in the ChannelUpdates list, since the deployment data will already be cached on the client."</p> <p>Changed to:</p> <p>"... if the current deployment's LastChangeTime is less than the value stored in this cookie, then the deployment need not be returned in the ChangedUpdates list, since the deployment data will already be cached on the client."</p>

*Date format: YYYY/MM/DD