

[MS-CSRA]: Certificate Services Remote Administration Protocol

This topic lists the Errata found in the MS-CSRA document 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 [V4.0 – 2015/10/16](#).

Errata Published*	Description																		
2016/03/07	<p>In Section 3.1.4.1.18, ICertAdminD::BackupPrepare (Opnum 20), revised the description for pwszBackupAnnotation.</p> <p>Changed from: pwszBackupAnnotation: Not Used. MUST be empty string (L""). MUST be ignored on receipt.</p> <p>Changed to: pwszBackupAnnotation: Not Used. Can be set to any arbitrary value, and MUST be ignored on receipt.</p>																		
2016/03/07	<p>In Section 2.2.5, Common Error Codes, obsolete errors codes, 0x80004003 and 0xc800020D, were removed from the error code table.</p> <p>Changed from:</p> <table border="1" data-bbox="407 1100 1414 1829"> <thead> <tr> <th data-bbox="407 1100 922 1152">Return value/code</th> <th data-bbox="922 1100 1414 1152">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="407 1152 922 1236">0x80070057 ERROR_INVALID_PARAMETER</td> <td data-bbox="922 1152 1414 1236">The parameter is incorrect.</td> </tr> <tr> <td data-bbox="407 1236 922 1320">0x80070006 ERROR_INVALID_HANDLE</td> <td data-bbox="922 1236 1414 1320">The handle is invalid.</td> </tr> <tr> <td data-bbox="407 1320 922 1404">0x8000FFFF ERROR_UNEXPECTED_ERROR</td> <td data-bbox="922 1320 1414 1404">An unexpected error occurred.</td> </tr> <tr> <td data-bbox="407 1404 922 1488">0x80004003 ERROR_INVALID_POINTER</td> <td data-bbox="922 1404 1414 1488">An invalid pointer.</td> </tr> <tr> <td data-bbox="407 1488 922 1572">0x80071392 ERROR_OBJECT_EXISTS</td> <td data-bbox="922 1488 1414 1572">An object already exists.</td> </tr> <tr> <td data-bbox="407 1572 922 1656">0x00000001 ERROR_ARITHMETIC_OVERFLOW</td> <td data-bbox="922 1572 1414 1656">Arithmetic overflow.</td> </tr> <tr> <td data-bbox="407 1656 922 1740">0xc800020D ERROR_INVALID_BACKUP_SEQUENCE</td> <td data-bbox="922 1656 1414 1740">An invalid backup sequence.</td> </tr> <tr> <td data-bbox="407 1740 922 1829">0xc800042D ERROR_OUT_OF_MEMORY</td> <td data-bbox="922 1740 1414 1829">Out of memory.</td> </tr> </tbody> </table>	Return value/code	Description	0x80070057 ERROR_INVALID_PARAMETER	The parameter is incorrect.	0x80070006 ERROR_INVALID_HANDLE	The handle is invalid.	0x8000FFFF ERROR_UNEXPECTED_ERROR	An unexpected error occurred.	0x80004003 ERROR_INVALID_POINTER	An invalid pointer.	0x80071392 ERROR_OBJECT_EXISTS	An object already exists.	0x00000001 ERROR_ARITHMETIC_OVERFLOW	Arithmetic overflow.	0xc800020D ERROR_INVALID_BACKUP_SEQUENCE	An invalid backup sequence.	0xc800042D ERROR_OUT_OF_MEMORY	Out of memory.
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2016/01/25	<p>In various sections, revised an incorrect field length from a variable to a long - 4 bytes, corrected the description in the Officer and Enrollment Agent Access Rights section, and corrected the AccessMask description along with the field descriptions for Array of SIDs and TemplateName.</p> <p>In Section 2.2.1.7.1, CERTTRANSDBCOLUMN Marshaling Format, changed from:</p> <p>Column_1_obwzDisplayName_Offset (variable): The offset from the beginning of the byte array buffer that is pointed to by the pb field in the containing CERTTRANSBLOB structure to where the string that contains the display name of this column can be found. The format is a null-terminated Unicode string. The offset MUST be divisible by 4. The offset value MUST be little-endian encoded.</p> <p>Changed to:</p> <p>Column_obwzDisplayName_Offset (4 bytes): The offset from the beginning of the byte array buffer that is pointed to by the pb field in the containing CERTTRANSBLOB structure to where the string that contains the display name of this column can be found. The format is a null-terminated Unicode string. The offset MUST be divisible by 4. The offset value MUST be little-endian encoded.</p> <p>In Section 2.2.1.8.1, CERTTRANSDBATTRIBUTE Marshaling Format, changed from:</p> <p>Attribute 1 obwzValue (variable): The offset from the beginning of the byte array buffer that is pointed to by the pb field in the containing CERTTRANSBLOB structure to where the string that contains the value of this attribute (1) can be found. The format is a null-terminated UNICODE string. The offset MUST be divisible by 4. The offset MUST be little-endian encoded.</p> <p>Changed to:</p> <p>Attribute obwzValue 4 bytes): The offset from the beginning of the byte array buffer that is pointed to by the pb field in the containing CERTTRANSBLOB structure to where the string that contains the value of this attribute (1) can be found. The format is a null-terminated UNICODE string. The offset MUST be divisible by 4. The offset MUST be little-endian encoded.</p> <p>In Section 2.2.1.9.1, CERTTRANSDBEXTENSION Marshaling Format, changed from:</p>														

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	<p>Extension_1_obValue (variable): The offset from the beginning of the byte array buffer that is pointed to by the pb field in the containing CERTTRANSBLOB structure to where the value for this extension can be found. The offset MUST be divisible by 4. The offset value MUST be little-endian encoded.</p> <p>Changed to:</p> <p>Extension_obValue (4 bytes): The offset from the beginning of the byte array buffer that is pointed to by the pb field in the containing CERTTRANSBLOB structure to where the value for this extension can be found. The offset MUST be divisible by 4. The offset value MUST be little-endian encoded.</p> <p>In Section 2.2.1.10.1, CERTTRANSDBRESULTCOLUMN Marshaling Format, changed from:</p> <p>Result_Column_1_cbValue (variable): The length of the data in Result Column 1the column referenced by obValue (offset). The length value MUST be little-endian encoded.</p> <p>Changed to:</p> <p>Result_Column_cbValue (4 bytes): The length of the data in Result Column 1the column referenced by obValue (offset). The length value MUST be little-endian encoded.</p> <p>In Section 2.2.1.11, Officer and Enrollment Agent Access Rights, changed from:</p> <p>Officer rights and Enrollment Agent rights are security descriptors. Security descriptor structures (SID structures) are defined in [MS-DTYP] section 2.4.2. Officer rights and Enrollment Agent rights security descriptors have the following properties:</p> <ol style="list-style-type: none"> 1. Each access control entry (ACE) in the discretionary access control list (DACL) MUST have: <ol style="list-style-type: none"> 1. AceType 0x9 (ACCESS_ALLOWED_CALLBACK_ACE_TYPE) 2. AccessMask 0x0001000 <p>...</p> <p>Array of SIDs (variable): An array of SID structures that identify either (i) principals for whom the officer can approve requests; or (ii) principals on whose behalf the enrollment agent can obtain certificates. For an Officer rights security descriptor, case (i) applies. For an Enrollment Agent rights security descriptor, case (ii) applies. SID structures are as defined in [MS-DTYP] section 2.4.2.</p> <p>TemplateName (variable): A little-endian encoded Unicode string that identifies the common name (CN) of the template (as defined in [MS-CRTD]) for which the officer is authorized to approve requests.</p> <p>Changed to:</p> <p>Officer rights and Enrollment Agent rights are security descriptors. Security descriptor structures are defined in [MS-DTYP] section 2.4.6 and can contain SID structures ([MS-DTYP] section 2.4.2). Officer rights and Enrollment Agent rights security descriptors have the following properties:</p> <ol style="list-style-type: none"> 1. Each access control entry (ACE) in the discretionary access control list (DACL) MUST have: <ol style="list-style-type: none"> 1. AceType 0x9 (ACCESS_ALLOWED_CALLBACK_ACE_TYPE for the ACCESS_ALLOWED_CALLBACK_ACE, [MS-DTYP] section 2.4.4.6) 2. AccessMask 0x00010000 <p>...</p> <p>Array of SIDs (variable): An array of SID structures marshaled in packet representation ([MS-DTYP] section 2.4.2.2) that identify either (i) principals (4) for whom the officer can approve requests; or (ii) principals (4) on whose behalf the enrollment agent can obtain certificates (1). For an Officer rights security descriptor, case (i) applies. For an Enrollment Agent rights security descriptor, case (ii) applies.</p>

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	<p>TemplateName (variable): A little-endian encoded Unicode and null-terminated string that identifies the common name (CN) of the template (as defined in [MS-CRTD]) for which the officer is authorized to approve requests.</p>
2015/11/23	<p>In various sections, updated a member of the CERTTRANSDBRESULTROW structure and the parameter datatypes of some method declarations to match the IDL and removed the ENUM_CATYPES definition from the IDL because it is not referenced in this or any other specification.</p> <p>In Section 2.2.3, CERTTRANSDBRESULTROW, changed from:</p> <pre>DWORD RowId;</pre> <p>Changed to:</p> <pre>DWORD rowid;</pre> <p>In Section 3.1.4.1.13, ICertAdminD::EnumView (Opnum 15), changed from:</p> <pre>[out, ref] CERTTRANSBLOB*& pctbResultRows</pre> <p>Changed to:</p> <pre>[out, ref] CERTTRANSBLOB* pctbResultRows</pre> <p>In Section 3.1.4.1.18, ICertAdminD::BackupPrepare (Opnum 20), changed from:</p> <pre>[in] const WCHAR* pwszBackupAnnotation,</pre> <p>Changed to:</p> <pre>[in] WCHAR const * pwszBackupAnnotation,</pre> <p>In Section 6, Appendix A: Full IDL, removed the following:</p> <pre>typedef enum _ENUM_CATYPES { ENUM_ENTERPRISE_ROOTCA = 0x00000000, ENUM_ENTERPRISE_SUBCA = 0x00000001, ENUM_STANDALONE_ROOTCA = 0x00000003, ENUM_STANDALONE_SUBCA = 0x00000004 } ENUM_CATYPES;</pre>

*Date format: YYYY/MM/DD

