

## [MS-CIFS]: Common Internet File System (CIFS) Protocol

This topic lists the Errata found in the MS-CIFS 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 [V28.0 – 2018/09/12](#).

Errata Published*	Description
2020/01/20	<p>In Section 3.3.5.3, Receiving an SMB_COM_CREATE_DIRECTORY Request, the following was changed from:</p> <p>If these conditions are met, the server MUST attempt to create the directory.&lt;241&gt; If directory creation fails, the server MUST provide an error response to the client (see section 2.2.4.1.2 for the list of expected error codes). Otherwise, the server the server MUST increase Server.Statistics.sts0_fopens by 1 and MUST return Success in the Status field. A new Open object MUST be allocated and inserted into Server.Connection.FileOpenTable with the following default values:</p> <ul style="list-style-type: none"><li>• A new FID MUST be created to uniquely identify this Open request in Server.Connection.FileOpenTable.</li><li>• Server.Open.TreeConnect MUST be set to the TreeConnect on which the open request was performed, and Server.Open.TreeConnect.OpenCount MUST be incremented by 1.</li></ul> <p>The server MUST register the Open request by invoking the Server Registers a New Open event ([MS-SRVS] section 3.1.6.4) and MUST assign the return value to Server.OpenFileGlobalId.</p> <p>Changed to:</p> <p>If these conditions are met, the server MUST attempt to create the directory.&lt;241&gt; If directory creation fails, the server MUST provide an error response to the client (see section 2.2.4.1.2 for the list of expected error codes). Otherwise, the server MUST return Success in the Status field.</p>
2019/09/02	<p>In Section 2.2.4.13.2, Response, the following error code has been added to the NT status code table:</p> <p>STATUS_LOCK_NOT_GRANTED (0xC0000055)</p> <p>In Section 3.3.1.7, Per Unique Open, the following ADM element has been added:</p> <p>Server.Open.LastFailedLockOffset: A 32-bit signed integer indicating the lock offset specified in SMB_COM_LOCK_BYTE_RANGE request, which the server failed.</p> <p>In Section 3.3.5.15, Receiving an SMB_COM_LOCK_BYTE_RANGE Request, the following has been changed from:</p> <p>In the event of an error, including failure to grant the lock on the byte range, the server MUST send an error response message. If the server cannot immediately grant the lock, the server SHOULD&lt;265&gt; reattempt the lock request for a brief interval, returning an error response with a Status of STATUS_FILE_LOCK_CONFLICT (ERRDOS/ERRlock) to the client if the lock cannot be granted.</p>

Errata Published*	Description
	<p>If the lock is successful, the server MUST construct an SMB_COM_LOCK_BYTE_RANGE Response (section 2.2.4.13.2) message. The response MUST be sent to the client as specified in section 3.3.4.1. An entry for the newly-granted byte-range lock MUST be added to Server.Open.Locks. The type of the lock MUST be exclusive, and the entry MUST be formatted with a 32-bit offset (LOCKING_ANDX_RANGE32).</p> <p>&lt;264&gt; Section 3.3.5.15: Windows-based servers request a byte-range lock from the underlying object store as described in [MS-FSA] section 2.1.5.7, with the following mapping of input elements:</p> <ul style="list-style-type: none"> <li>• Open is the Open indicated by the SMB_Parameters.Words.FID field of the request.</li> <li>• FileOffset is the SMB_Parameters.Words.LockOffsetInBytes field of the request.</li> <li>• Length is the SMB_Parameters.Words.CountOfBytesToLock field of the request.</li> <li>• ExclusiveLock – TRUE</li> <li>• FailImmediately – TRUE</li> <li>• LockKey is set to ((Open.FID &lt;&lt; 16)   Open.PID.PIDLow).</li> </ul> <p>The returned Status is copied into the SMB_Header.Status field of the response.</p> <p>Changed to:</p> <p>If the server cannot immediately grant the lock, the server SHOULD&lt;265&gt; reattempt the lock request for a brief interval. In the event of an error, including failure to grant the lock on the byte range, the server MUST send an error response message. If the underlying object store returns STATUS_CANCELLED, the server MUST set SMB_Header.Status field of the response to STATUS_FILE_LOCK_CONFLICT (ERRDOS/ERRlock). For any other error, status returned MUST be copied into SMB_Header.Status field of the response. The server MUST set Server.Open.LastFailedLockOffset to LockOffsetInBytes field of the request.</p> <p>If the lock is successful, the server MUST construct an SMB_COM_LOCK_BYTE_RANGE Response (section 2.2.4.13.2) message. The response MUST be sent to the client as specified in section 3.3.4.1. An entry for the newly-granted byte-range lock MUST be added to Server.Open.Locks. The type of the lock MUST be exclusive, and the entry MUST be formatted with a 32-bit offset (LOCKING_ANDX_RANGE32). The server MUST set Server.Open.LastFailedLockOffset to -1.</p> <p>&lt;264&gt; Section 3.3.5.15: Windows-based servers request a byte-range lock from the underlying object store as described in [MS-FSA] section 2.1.5.7, with the following mapping of input elements:</p> <ul style="list-style-type: none"> <li>• Open is the Open indicated by the SMB_Parameters.Words.FID field of the request.</li> <li>• FileOffset is the SMB_Parameters.Words.LockOffsetInBytes field of the request.</li> <li>• Length is the SMB_Parameters.Words.CountOfBytesToLock field of the request.</li> </ul>

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	<ul style="list-style-type: none"> <li>• ExclusiveLock – TRUE</li> <li>• FailImmediately – FALSE, if Server.Open.LastFailedLockOffset is equal to LockOffsetInBytes field of the request. Otherwise - TRUE</li> </ul> <p>LockKey is set to ((Open.FID &lt;&lt; 16)   Open.PID.PIDLow).</p>
2018/10/29	<p>In Section 3.2.4.44, Application Requests Querying DFS Referrals, the following has been changed from:</p> <p>An input buffer containing the application-provided REQ_GET_DFS_REFERRAL structure.</p> <p>Changed to:</p> <p>An input buffer containing the application-provided REQ_GET_DFS_REFERRAL structure specified in [MS-DFSC] section 2.2.2.</p> <p>In Section 3.4.4.9, A Local Client Application Queries DFS Referrals, the following has been changed from:</p> <p>An input buffer containing the application-provided REQ_GET_DFS_REFERRAL or REQ_GET_DFS_REFERRAL_EX structure.</p> <p>Changed to:</p> <p>An input buffer containing the application-provided structure REQ_GET_DFS_REFERRAL specified in [MS-DFSC] section 2.2.2 or REQ_GET_DFS_REFERRAL_EX specified in [MS-DFSC] section 2.2.3.</p>

\*Date format: YYYY/MM/DD