

[MS-FSA]: File System Algorithms

This topic lists the Errata found in the MS-FSA 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 [V25.0 – 2017/09/15](#).

Errata Published*	Description
2017/11/27	<p>In Section 2.1.4.12, Algorithm to Check for an Oplock Break, the EndCase statement was removed from the Case (LEVEL_TWO_OPLOCK READ_CACHING) block.</p> <p>Changed from:</p> <pre>... If Oplock.State equals (READ_CACHING HANDLE_CACHING MIXED_R_AND_RH): // Do nothing; FALL THROUGH to next Case statement. Else Recompute Oplock.State according to the algorithm in section 2.1.4.13, passing Oplock as the ThisOplock parameter. EndCase EndIf EndCase Case (READ_CACHING HANDLE_CACHING):</pre> <p>Changed to:</p> <pre>... If Oplock.State equals (READ_CACHING HANDLE_CACHING MIXED_R_AND_RH): // Do nothing; FALL THROUGH to next Case statement. Else Recompute Oplock.State according to the algorithm in section 2.1.4.13, passing Oplock as the ThisOplock parameter. EndCase EndIf Case (READ_CACHING HANDLE_CACHING):</pre>
2017/11/27	<p>In Section 2.1.4.12, Algorithm to Check for an Oplock Break, the following was changed from:</p> <pre>... (Oplock.RHBreakQueue is empty) and ...</pre> <p>Changed to:</p>

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	<p>...</p> <p>(Oplock.RHBreakQueue is not empty) and</p> <p>...</p>
2017/10/30	<p>In Section 2.1.4.13, Algorithm to Recompute the State of a Shared Oplock, the following was changed from:</p> <p>// ThisOplock.RHBreakQueue MUST be non-empty by this point.</p> <p>Changed to:</p> <p>// ThisOplock.ROplocks is empty // ThisOplock.RHOplocks is empty // ThisOplock.RHBreakQueue MUST be non-empty</p>
2017/10/30	<p>In Section 2.1.5.17.2, Algorithm to Request a Shared Oplock, added a new bullet point.</p> <p>Changed from:</p> <p>...</p> <ul style="list-style-type: none"> • If there is an Open ThisOpen on Open.Stream.Oplock.RHOplocks whose TargetOplockKey is equal to Open.TargetOplockKey (there is supposed to be at most one present): <ul style="list-style-type: none"> • Notify the server of an oplock break according to the algorithm in section 2.1.5.17.3, setting the algorithm's parameters as follows: <p>...</p> <p>Changed to:</p> <p>...</p> <ul style="list-style-type: none"> • If there is an Open ThisOpen on Open.Stream.Oplock.RHOplocks whose TargetOplockKey is equal to Open.TargetOplockKey (there is supposed to be at most one present): <ul style="list-style-type: none"> • Remove ThisOpen from Open.Stream.Oplocks.RHOplocks. • Notify the server of an oplock break according to the algorithm in section 2.1.5.17.3, setting the algorithm's parameters as follows: <p>...</p>
2017/10/30	<p>In Section 2.1.4.12, Algorithm to Check for an Oplock Break, all instances of BreakCacheLevel have been changed to BreakCacheState.</p>
2017/10/30	<p>In Section 2.1.5.1, Server Requests an Open of a File, the following has been changed from:</p> <ul style="list-style-type: none"> • If StreamTypeNameToOpen is non-empty and has a value other than "\$DATA" or "\$INDEX_ALLOCATION", the operation MUST be failed with STATUS_ACCESS_DENIED. <p>Changed to:</p> <ul style="list-style-type: none"> • If StreamTypeNameToOpen is non-empty and has a value other than "\$DATA" or "\$INDEX_ALLOCATION", the operation MUST be failed with STATUS_OBJECT_NAME_INVALID.

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2017/10/30	<p>In Section 2.1.5.1, Server Requests an Open of a File, the following has been changed from:</p> <ul style="list-style-type: none"> • If StreamTypeNameToOpen is "\$INDEX_ALLOCATION" and StreamNameToOpen has a value other than an empty stream or "\$I30", the operation MUST be failed with STATUS_INVALID_PARAMETER. <p>Changed to:</p> <ul style="list-style-type: none"> • If StreamTypeNameToOpen is "\$INDEX_ALLOCATION" and StreamNameToOpen has a value other than an empty stream or "\$I30", the operation SHOULD<44> be failed with STATUS_INVALID_PARAMETER. <p><44> Section 2.1.5.1: Only the NTFS and ReFS file systems support complex name suffixes and StreamTypeNames. File systems that do not support this return STATUS_OBJECT_NAME_INVALID.</p>

*Date format: YYYY/MM/DD