

[MS-EFSR]: Encrypting File System Remote (EFSRPC) Protocol

This topic lists the Errata found in the MS-EFSR 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.

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July 18, 2016 - [Download](#)

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Errata below are for Protocol Document Version [V29.0 – 2021/10/06](#).

Errata Published*	Description
2021/12/14	<p>In Section 2.1, Transport, added details about the requirement to use higher-level authentication:</p> <p>Changed from:</p> <p><4> Section 2.1: Windows EFSRPC servers register the RPC_C_AUTHN_LEVEL_PKT_PRIVACY security provider.</p> <p>Windows clients attempt to negotiate the use of this provider for the EFSRPC raw methods with RPC_C_AUTHN_GSS_NEGOTIATE, and can be configured to require its use.</p> <p>Windows 2000, Windows XP, and Windows Server 2003 neither register this provider on the server nor attempt to use it on the client.</p> <p>Changed to:</p> <p><4> Section 2.1: Windows 2000, Windows XP, and Windows Server 2003 neither register this provider on the server nor attempt to use it on the client.</p> <p>The following changes apply after the [MSFT-CVE-2021-43893] security update (applies to Windows 7 and later, and Windows Server 2008 and later):</p> <ul style="list-style-type: none">• Windows EFSRPC servers require the RPC_C_AUTHN_LEVEL_PKT_PRIVACY RPC authentication level on all EFSRPC methods.• Windows clients attempt to use this level for the EFSRPC raw methods and can be configured to require its use. If an error is encountered, and the client is not configured to require security, the client falls back to connecting over an unsecured RPC connection.• Windows clients use this level for all other EFSRPC methods. <p>In Section 3, Protocol Details, added details about the requirement to use higher-level authentication:</p> <p>Changed from:</p> <p><31> Section 3: Windows EFSRPC client implementations attempt to negotiate the RPC_C_AUTHN_LEVEL_PKT_PRIVACY option with RPC_C_AUTHN_GSS_NEGOTIATE. If an error is encountered and the client is not configured to require security, the client falls back to connecting over an unsecured RPC connection.</p>

Errata Published*	Description
	<p>Windows 2000, Windows XP, and Windows Server 2003 do not support this option; they neither register any SSPI providers on the server side nor request any on the client side.</p> <p>Changed to:</p> <p><31> Section 3: Windows 2000, Windows XP, and Windows Server 2003 do not support this option; they neither register any SSPI providers on the server side nor request any on the client side.</p> <p>The following changes apply after the [MSFT-CVE-2021-43893] security update (applies to Windows 7 and later, and Windows Server 2008 and later):</p> <ul style="list-style-type: none"> • Windows EFSRPC servers require the RPC_C_AUTHN_LEVEL_PKT_PRIVACY RPC authentication level on all EFSRPC methods. • Windows clients attempt to use this level for the EFSRPC raw methods and can be configured to require its use. If an error is encountered, and the client is not configured to require security, the client falls back to connecting over an unsecured RPC connection. • Windows clients use this level for all other EFSRPC methods.

*Date format: YYYY/MM/DD