[MS-DCOM]: Distributed Component Object Model (DCOM) Remote Protocol

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July 18, 2016 - Download

Errata below are for Protocol Document Version V22.0 – 2021/04/07.

Errata Published*	Description
2021/06/09	In Section 3.2.4.1.1.2 Issuing the Activation Request Description, replaced existing authentication level constant 'RPC_C_AUTHN_LEVEL_CONNECT' with higher authentication level constant 'RPC_C_AUTHN_LEVEL_PKT_INTEGRITY' in behavior note and created list of applicable products for which the updated feature is backported: Changed from: <80> Section 3.2.4.1.1.2: On Windows NT, Windows 2000, Windows XP, Windows XP SP1, and Windows Server 2003, DCOM clients specify RPC_C_AUTHN_LEVEL_CONNECT (see [MS-RPCE] section 2.2.1.1.8) as the default authentication level value for the call. On Windows XP SP2, Windows Server 2003 with SP1, Windows Vista and later, and Windows Server 2008 and later, DCOM clients specify the higher of the LegacyAuthenticationLevel value (for more information, see [MSDN-LegAuthLevel]) and RPC_C_AUTHN_LEVEL_CONNECT (see [MS-RPCE] section 2.2.1.1.8) as the default authentication level value for the call. Changed to: <80> Section 3.2.4.1.1.2: On Windows NT, Windows 2000, Windows XP, Windows XP SP1, and Windows Server 2003, DCOM clients specify RPC_C_AUTHN_LEVEL_PKT_INTEGRITY (see [MS-RPCE] section 2.2.1.1.8) as the default authentication level value for the call. On Windows XP SP2, Windows Server 2003 with SP1, Windows Vista and later, and Windows Server 2008 and later, DCOM clients specify the higher of the LegacyAuthenticationLevel value (for more information, see [MSDN-LegAuthLevel]) and RPC_C_AUTHN_LEVEL_PKT_INTEGRITY (see [MS-RPCE] section 2.2.1.1.8) as the default authentication level value for the call. The default activation authentication level is raised to RPC_C_AUTHN_LEVEL_PKT_INTEGRITY level on client side and the required activation authentication level needs to be at least at RPC_C_AUTHN_LEVEL_PKT_INTEGRITY level for authenticated activation on the server side, as applicable to the Windows 7 operating system with Service Pack 1 (SP1), Windows Server 2008 R2 Service Pack 1 (SP1), Windows 8.1, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019, Windows 10, Windows Server 2022, Windows Server v1803 operating system, Windows Server v1809 operating system, Windows 10 v1607 operating system, Windows Server v1903 operating system, Windows Server 2019 Datacenter: Azure Edition (Turbine), Windows Server v1909 operating system, Windows Server v2004 operating system, Windows 10 v1803 operating system, Windows Server v20H2 Core operating system,

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	Windows 10 v1809 operating system, Windows Server 2022 core, Windows 10 v1903 operating system, Windows 10 v1909 operating system, Windows 10 v2004 operating system, Windows 10 v20H2 operating system, Windows 10 v21H1 operating system, and Windows 10 v2106 operating system, to which this change has been backported. In Section 3.2.4.1.2.2 Issuing the OXID Resolution Request Changed two instances (one in behavior note) of authentication level constant 'RPC_C_AUTHN_LEVEL_CONNECT' with higher authentication level constant 'RPC_C_AUTHN_LEVEL_PKT_INTEGRITY': Changed from: The client MUST specify an authentication level of at least RPC_C_AUTHN_LEVEL_CONNECT (see [MS-RPCE] section 2.2.1.1.8).<83> <83> Section 3.2.4.1.2.2: On Windows, DCOM clients specify RPC_C_AUTHN_LEVEL_CONNECT (see [MS-RPCE] section 2.2.1.1.8) as the authentication level for the call. Changed to: The client MUST specify an authentication level of at least RPC_C_AUTHN_LEVEL_PKT_INTEGRITY (see [MS-RPCE] section 2.2.1.1.8).<83> <83> Section 3.2.4.1.2.2: On Windows, DCOM clients specify RPC_C_AUTHN_LEVEL_PKT_INTEGRITY (see [MS-RPCE] section 2.2.1.1.8) as the authentication level for the call. In Section 3.2.6.1 Pinging Changed two instances (one in behavior note) of authentication level constant 'RPC_C_AUTHN_LEVEL_CONNECT' with higher authentication level constant 'RPC_C_AUTHN_LEVEL_PKT_INTEGRITY': Changed from: The client MUST specify an authentication level of at least RPC_C_AUTHN_LEVEL_CONNECT (see [MS-RPCE] section 2.2.1.1.8).<92> <92> Section 3.2.6.1: On Windows, DCOM clients specify RPC_C_AUTHN_LEVEL_CONNECT (see [MS-RPCE] section 2.2.1.1.8) as the authentication level for the call. Changed to: The client MUST specify an authentication level of at least RPC_C_AUTHN_LEVEL_PKT_INTEGRITY (see [MS-RPCE] section 2.2.1.1.8).<92> <92> Section 3.2.6.1: On Windows, DCOM clients specify RPC_C_AUTHN_LEVEL_PKT_INTEGRITY (see [MS-RPCE] section 2.2.1.1.8) as the authentication level for the call.

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