[MS-RPRN]: Print System Remote Protocol

Errata below are for Protocol Document Version V32.0 – 2018/09/12.

Errata Published*	Description
2020/03/30	In Section 1.7, Versioning and Capability Negotiation, the build number for Windows Server 2019 has been added to product behavior note <2>. Changed from: *(see table below)* Changed to: *(see table below)*

Changed from:

Version	dwBuildNumber value
Windows Server operating system	>= 16299
Windows 10 and Windows Server 2016	>= 10586
Windows 8.1 and Windows Server 2012 R2	>= 9431
Windows 8 and Windows Server 2012	>= 9200
Windows 7 and Windows Server 2008 R2	>= 7007
Windows Vista operating system with Service Pack 1 (SP1) and Windows Server 2008	>= 6001
Windows Vista and Windows Server 2008	>= 6000
Windows XP operating system Service Pack 1 (SP1)	>= 2196
Windows XP and Windows Server 2003	>= 2196
Windows 2000	>= 1382
Windows NT 4.0	>= 1381

Changed to:

Version	dwBuildNumber value
Windows Server 2019	>= 17633
Windows Server operating system	>= 16299
Windows 10 and Windows Server 2016	>= 10586
Windows 8.1 and Windows Server 2012 R2	>= 9431

Errata Published*	Description	
	Windows 8 and Windows Server 2012	>= 9200
	Windows 7 and Windows Server 2008 R2	>= 7007
	Windows Vista operating system with Service Pack 1 (SP1) and Windows Server 2008	>= 6001
	Windows Vista and Windows Server 2008	>= 6000
	Windows XP operating system Service Pack 1 (SP1)	>= 2196
	Windows XP and Windows Server 2003	>= 2196
	Windows 2000	>= 1382
	Windows NT 4.0	>= 1381
2018/12/10	In Section 1.7, Versioning and Capability Negotiation, changed from: ● Capability Negotiation: Functional negotiation … by comparing the value returned by the server in the dwBuildNumber member of OSVERSIONINFO (section 2.2.3.10.1) with well-known version-specific dwBuildNumber values.<2> <2> Section 1.7: The values of the dwBuildNumber member in the OSVERSIONINFO structure (section 2.2.3.10.1) for specific versions of Windows are shown in the table that follows.	

Version	dwBuildNumber value
Windows 10 and Windows Server 2016	>= 10586
…	…

Changed to:

● Capability Negotiation: Functional negotiation … by comparing the value returned by the server in the dwBuildNumber member of OSVERSIONINFO (section 2.2.3.10.1) with well-known version-specific dwBuildNumber values.<2>

<2> Section 1.7: The values of the dwBuildNumber member in the OSVERSIONINFO structure (section 2.2.3.10.1) for specific versions of Windows are shown in the table that follows.

Version	dwBuildNumber value
Windows Server operating system	>= 16299
Windows 10 and Windows Server 2016	>= 10586
…	…

In Section 2.2.3.10.1, OSVERSIONINFO, changed from:

dwBuildNumber (4 bytes): The build number of the OS. This is a version-specific value.<168>

<168> Section 2.2.3.10.1: The values of the dwBuildNumber member in the OSVERSIONINFO structure (section 2.2.3.10.1) for specific versions of Windows is shown in the table that follows. On Windows Vista and later, an error is returned if the value is less than that shown in the table.

Errata Published*	Description
	Changed to: dwBuildNumber (4 bytes): The build number of the OS. This is a version-specific value.<168> <168> Section 2.2.3.10.1: The values of the dwBuildNumber member in the OSVERSIONINFO structure (section 2.2.3.10.1) for specific versions of Windows are listed in the product behavior note for dwBuildNumber in Versioning and Capability Negotiation (section 1.7). In Section 3.1.4.1.8.8, SPLCLIENT_CONTAINER Parameters, changed from: pClientInfo: This parameter is a pointer to an SPLCLIENT_CONTAINER (section 2.2.1.2.14) structure that specifies client information. The Level member of the SPLCLIENT_CONTAINER structure MUST be 0x00000001.<245> The value of the dwBuildNum member is used to verify that the client OS version is valid. It is a version-specific number.<246> <246> Section 3.1.4.1.8.8: The values of the dwBuildNumber member in the OSVERSIONINFO structure (section 2.2.3.10.1) for specific versions of Windows are listed in the product behavior note for dwBuildNumber in Versioning and Capability Negotiation (section 1.7). Changed to: pClientInfo: This parameter is a pointer to an SPLCLIENT_CONTAINER (section 2.2.1.2.14) structure that specifies client information. The Level member of the SPLCLIENT_CONTAINER structure MUST be 0x00000001.<245> The value of the dwBuildNum member is used to verify that the client OS version is valid. It is a version-specific number.<246> <246> Section 3.1.4.1.8.8: The values of the dwBuildNumber member in the OSVERSIONINFO structure (section 2.2.3.10.1) for specific versions of Windows are listed in the product behavior note for dwBuildNumber in Versioning and Capability Negotiation (section 1.7). On Windows Vista and later, an error is returned if the value is less than that shown for the corresponding Windows version in the table.
2018/10/29	In Section 2.2.3.10.1, OSVERSIONINFO, the description of dwBuildNumber has been changed from: dwBuildNumber (4 bytes): The build number of the OS.<168>. Changed to: dwBuildNumber (4 bytes): The build number of the OS. This SHOULD<168> be a version-specific value. In Section 3.1.4.1.8.8, SPLCLIENT_CONTAINER Parameters, the following has been changed from: pClientInfo: This parameter is a pointer to an SPLCLIENT_CONTAINER (section 2.2.1.2.14) structure that specifies client information. The Level member of the SPLCLIENT_CONTAINER structure MUST be 0x00000001.<245>

Errata Published*	Description
	Changed to: pClientInfo: This parameter is a pointer to an SPLCLIENT_CONTAINER (section 2.2.1.2.14) structure that specifies client information. The Level member of the SPLCLIENT_CONTAINER structure MUST be 0x00000001.<245> The dwBuildNum member is used to verify that the client OS version is valid. It SHOULD<246> be a version-specific number. In Section 7, Appendix B: Product Behavior, the following behavior notes have been changed. Changed from: <168> Section 2.2.3.10.1: The dwBuildNumber value for OSVERSIONINFO and OSVERSIONINFOEX for specific versions of Windows is shown in the table that follows. Changed to: <168> Section 2.2.3.10.1: The dwBuildNumber value for OSVERSIONINFO and OSVERSIONINFOEX for specific versions of Windows is shown in the table that follows. On Windows Vista and later, an error is returned if the value is less than that shown in the table. Changed from: <245> Section 3.1.4.1.8.8: Windows does not use the following members: pUserName, dwBuildNum, dwMajorVersion, dwMinorVersion, and wProcessorArchitecture. pMachineName is used only if the server cannot determine the client machine name using remote procedure call (RPC) functions. The pMachineName member can be NULL. Changed to: <245> Section 3.1.4.1.8.8: Windows does not use the following members: pUserName, dwMajorVersion, dwMinorVersion, and wProcessorArchitecture. pMachineName is used only if the server cannot determine the client machine name using remote procedure call (RPC) functions. The pMachineName member can be NULL. In that section a new behavior note 246 has been added: <246> Section 3.1.4.1.8.8: Windows version-specific values are listed in the product behavior note for dwBuildNumber in OSVERSIONINFO structure (section 2.2.3.10.1).

*Date format: YYYY/MM/DD