[MS-RDPESC]: Remote Desktop Protocol: Smart Card Virtual Channel Extension

This topic lists the Errata found in [MS-RDPESC] 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.

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Errata are subject to the same terms as the Open Specifications documentation referenced.

Errata Published Description 2016/09/2 Multiple changes in various sections: 6 Added the dialect SCREDIR VERSION WINDOWS 8 to the protocol versions and the behavior note along with the build numbers for SCREDIR_VERSION_XP, SCREDIR_VERSION_LONGHORN, and SCREDIR_VERSION_WINDOWS_8 in Section 1.7, Versioning and Capability Negotiation. Updated the function number for SCARD_IOCTL_RELEASETARTEDEVENT IOCTL to 57 and updated the behavior note to include Windows 7 and Windows Server 2008 R2 in Section 3.1.4, Message Processing Events and Sequencing Rules. In Section 1.7, Versioning and Capability Negotiation, changed from: This document covers versioning issues in the following areas: • Protocol Versions: Smart Card Redirection supports the explicit dialects "SCREDIR VERSION XP" and "SCREDIR VERSION LONGHORN". Multiple versions of the Smart Card Redirection Protocol exist. It was introduced in Remote Desktop Protocol version 5.1 and extended by adding additional calls in Remote Desktop Protocol version 6.0. The version of the protocol is determined on the server by querving the value of the TS client build number. • Capability Negotiation: The Smart Card Redirection protocol does not support negotiation of the dialect to use. Instead, an implementation is configured with the dialect to use. The dialect used is determined by the TS client's build number. The TS server determines the dialect to use by analyzing the client build number on device announce.<1> If the build number is at least 4,034, SCREDIR_VERSION_LONGHORN is assumed; otherwise, SCREDIR_VERSION_XP is to be used. Changed to: This document covers versioning issues in the following areas: Protocol Versions: Smart Card Redirection supports the dialects SCREDIR_VERSION_XP (1), SCREDIR_VERSION_LONGHORN (2), and SCREDIR_VERSION_WINDOWS 8 (3). • Capability Negotiation: The Smart Card Redirection protocol does not support negotiation of the dialect to use. Instead, an implementation is configured with the dialect to use.

Errata below are for Protocol Document Version V11.0.1 - 2016/07/14.

Errata Published *	Description						
					build number on device te following mapping.<1>		
	Bu	ild Number		Dialect			
	>=	: 7865		SCREDIR_VERSION_WINDOWS_8 (3)			
	>=	4034 and < 78	865	SCREDIR_VERSION_LONGHORN (2)			
	< 4	< 4034		SCREDIR_VERSION_XP (1)			
	In Section 3.1.4, Message Processing Events and Sequencing Rules, changed from: Functio Value for						
	n number	IoControlCo de	IRP_MJ_DEVICE_C	ONTROL request	Input packet, Output packet		
	56	0x000900E0	SCARD_IOCTL_ACCESSSTARTEDEV ENT		ScardAccessStartedEvent_ Call (section 2.2.2.30), Long_Return (section 2.2.3.3)		
	58	0x000900E8	SCARD_IOCTL_LOCATECARDSBYAT RA		LocateCardsByATRA_Call (section 2.2.2.23), LocateCards_Return (section 2.2.3.5)		
	64	0x00090100	SCARD_IOCTL_GETTRANSMITCOUN T		GetTransmitCount_Call (section 2.2.2.29), GetTransmitCount_Return (section 2.2.3.13)		
	66	0x000900E4	SCARD_IOCTL_RELEASETARTEDEV ENT SCARD_IOCTL_GETREADERICON		Not used.		
	67	0x00090104			GetReaderIcon_Call (section 2.2.2.31), GetReaderIcon_Return (section 2.2.3.14)		
	68	0x00090108	SCARD_IOCTL_GET	DEVICETYPEID	GetDeviceTypeId_Call (section 2.2.2.32), GetDeviceTypeId_Return (section 2.2.3.15)		
	Changed to:						

Errata Published *	Description						
	Functio n number	Value for IoControlCo de	IRP_MJ_DEVICE_CONTROL request	Input packet, Output packet			
	56	0x000900E0	SCARD_IOCTL_ACCESSSTARTEDEV ENT	ScardAccessStartedEvent_ Call (section 2.2.2.30), Long_Return (section 2.2.3.3)			
	57	0x000900E4	SCARD_IOCTL_RELEASETARTEDEV ENT	Not used.			
	58	0x000900E8	SCARD_IOCTL_LOCATECARDSBYAT RA	LocateCardsByATRA_Call (section 2.2.2.23), LocateCards_Return (section 2.2.3.5)			
	64	0x00090100	SCARD_IOCTL_GETTRANSMITCOUN T	GetTransmitCount_Call (section 2.2.2.29), GetTransmitCount_Return (section 2.2.3.13)			
	65	0x00090104	SCARD_IOCTL_GETREADERICON	GetReaderIcon_Call (section 2.2.2.31), GetReaderIcon_Return (section 2.2.3.14)			
	66	0x00090108	SCARD_IOCTL_GETDEVICETYPEID	GetDeviceTypeId_Call (section 2.2.2.32), GetDeviceTypeId_Return (section 2.2.3.15)			
	In Section 7, Appendix B: Product Behavior, changed from: <1> Section 1.7: The Windows XP and Windows Server 2003 versions always use SCREDIR_VERSION_XP. Windows Vista and Windows Server 2008 are always SCREDIR_VERSION_LONGHORN. <2> Section 3.1.4: Windows XP and Windows Server 2003 implement function numbers 5 through 58. Windows Vista and Windows Server 2008 implement function numbers 5 through 64. Changed to: <1> Section 1.7: The Windows XP and Windows Server 2003 versions always use SCREDIR_VERSION_XP. Windows Vista and Windows Server 2003 versions always use SCREDIR_VERSION_XP. Windows Vista and Windows Server 2008 are always SCREDIR_VERSION_LONGHORN. All other versions use SCREDIR_VERSION_WINDOWS_8. <2> Section 3.1.4: Windows XP and Windows Server 2003 implement function numbers 5 through 58. Windows Vista, Windows Server 2003 implement function numbers 5 through 58. Windows Vista, Windows Server 2003 implement function numbers 5 through 58. Windows Vista, Windows Server 2008, Windows 7, and Windows Server 2008 R2 implement function numbers 5 through 64. All other versions implement 5 through 66.						

*Date format: YYYY/MM/DD