[MS-RDPERP]: Remote Desktop Protocol: Remote Programs Virtual Channel Extension

This topic lists the Errata found in [MS-RDPERP] 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 below are for Protocol Document Version V19.0 - 2015/06/30.

Errata Published *	Description		
2015/10/12	In Section 2.2.1.1.1, Remote Programs Capability Set, added three bits:TS_RAIL_LEVEL_SHELL_INTEGRATION_SUPPORTED, TS_RAIL_LEVEL_SERVER_TO_CLIENT_IME_SYNC_SUPPORTED, and TS_RAIL_LEVEL_HIDE_MINIMIZED_APPS_SUPPORTED. Value Meaning		
	H TS_RAIL_LEVEL_SHELL_INTEGRATION_SUPPORTED	Set to 1 if the client/server is capable of supporting extended shell integration like tabbed windows and overlay icons for Remote Programs; set to 0 otherwise. This flag MUST be set to 0 if TS_RAIL_LEVEL_SUPPORTE D is 0.	
	C TS_RAIL_LEVEL_SERVER_TO_CLIENT_IME_SYNC_SUPPORT ED	Set to 1 if the client/server is capable of supporting syncing IME changes originating at the server for Remote Programs; set to 0 otherwise. This flag MUST be set to 0 if TS_RAIL_LEVEL_SUPPORTE D is 0.	
	M TS_RAIL_LEVEL_HIDE_MINIMIZED_APPS_SUPPORTED	Set to 1 if the client/server supports hiding minimized windows of Remote Programs on the server; set to 0 otherwise. This flag MUST be set to 0 if TS_RAIL_LEVEL_SUPPORTE D is 0.	
	In Section 2.2.2.1, Common Header (TS_RAIL_PDU_HEADER), the description of the TS_RAIL_ORDER_HANDSHAKE_EX value has been changed. Changed from:		

Errata Published			
*	Description		
	Value	Meaning	
	TS_RAIL_ORDER_HANDSHAKE_EX	Indicates a bi-directional HandshakeEx	
	0x0013	PDU.	
	Changed to:		
	Value Meaning		
	TS_RAIL_ORDER_HANDSHAKE_EX	Indicates a HandshakeEx PDU from server to client.	
	0x0013		
	In Section 2.2.2.2.3, HandshakeEx PDU (TS_RAIL_ORDER_HANDSHAKE_EX), the description of the HandshakeEx PDU has been changed from:		
	The HandshakeEx PDU is exchanged between the server and the client to establish that both endpoints are ready to begin RAIL mode. The server sends the HandshakeEx PDU and the client responds with the HandshakeEx PDU.		
	Changed to:		
	The HandshakeEx PDU is sent from the server to the client to signal that it is ready to begin Enhanced RemoteApp mode. The server sends the HandshakeEx PDU, and the client responds with the Handshake PDU.		
	In Section 2.2.1.3.1.2.1, New or Existing Window, changed the FieldsPresentFlags field value WINDOW_ORDER_FIELD_WNDCLIENTDELTA to WINDOW_ORDER_FIELD_CLIENTDELTA. Changed from:		
	Hdr (11 bytes): Eleven bytes. Common Window AltSec Order header, TS_WINDOW_ORDER_HEADER. The FieldsPresentFlags field of the header MUST conform to the values defined as follows.		
Value		Meaning	
	0x00008000	Indicates that the WindowClientDeltaX and WindowClientDeltaY fields are	
2015/08/17	WINDOW_ORDER_FIELD_WNDCLIENTDELTA present.		
	Changed to:		
	Hdr (11 bytes): Eleven bytes. Common Window AltSec Order header, TS_WINDOW_ORDER_HEADER. The FieldsPresentFlags field of the header MUST conform to the values defined as follows.		
	Value	Meaning	
	0x00008000	Indicates that the WindowClientDeltaX and WindowClientDeltaY fields are present.	
	WINDOW_ORDER_FIELD_CLIENTDELTA		

Errata Published *	Description	
	In Section 4.7.1, TS_RAIL_ORDER_ZORDER_SYNC, changed the orderType field value from 0x0020 to 0x0014 in the network capture for TS_RAIL_PDU_HEADER.	
	Changed from:	
	The following is a network capture of the Server Z-Order Sync Information PDU (TS_RAIL_ORDER_ZORDER_SYNC, as specified in section 2.2.2.11.1).	
	20 00 -> TS_RAIL_PDU_HEADER::orderType = TS_RAIL_ORDER_ZORDER_SYNC (20) (2 Bytes)	
	08 00 -> TS_RAIL_PDU_HEADER::orderLength = 8 (2 Bytes)	
2015/08/17	10 05 40 00 -> WindowIdMarker (4 Bytes)	
	Changed to:	
	The following is a network capture of the Server Z-Order Sync Information PDU (TS_RAIL_ORDER_ZORDER_SYNC, as specified in section 2.2.2.11.1).	
	14 00 -> TS_RAIL_PDU_HEADER::orderType = TS_RAIL_ORDER_ZORDER_SYNC (20) (2 Bytes)	
	08 00 -> TS_RAIL_PDU_HEADER::orderLength = 8 (2 Bytes)	
	10 05 40 00 -> WindowIdMarker (4 Bytes)	
	In Section 2.2.2.10.1, Language Profile Information PDU (TS_RAIL_ORDER_LANGUAGEIMEINFO), changed from:	
2015/08/17	ProfileType (4 bytes): An unsigned 4-byte integer that identifies the profile type of the language. The value should be either TF_PROFILETYPE_INPUTPROCESSOR (0x0001) or TF_PROFILETYPE_KEYBOARDLAYOUT (0x0002).	

Errata Published *	Description
	Changed to:
	ProfileType (4 bytes): An unsigned 4-byte integer that identifies the profile type of the language. The value SHOULD be either TF_PROFILETYPE_INPUTPROCESSOR (0x0001) or TF_PROFILETYPE_KEYBOARDLAYOUT (0x0002).
	In Section 2.2.2.2.3, HandshakeEx PDU (TS_RAIL_ORDER_HANDSHAKE), updated the section name from HandshakeEx PDU (TS_RAIL_ORDER_HANDSHAKE) to HandshakeEx PDU (TS_RAIL_ORDER_HANDSHAKE_ EX)

*Date format: YYYY/MM/DD