

Tech Bulletin: Bridging Zero Client Smart Card Readers in VMware View™

Products Addressed This Tech Bulletin addresses bridging requirements for zero clients with smart card readers in VMware View™ environments.

Overview and Environment Bridging requirements for virtual machines with smart card readers differ depending on pre-session and post-session authentication in a VMware View environment.

The table below shows requirements for bridging smart card readers to virtual machines in View environments.

To perform ...	Smart card reader should be ...
Post-session authentication	Bridged
Pre-session authentication	Unbridged

NOTE: Physical hosts do not require USB bridging.

Bridging USB devices This procedure assumes you are familiar with the zero client administrative interface. See *PC-over-IP™ System User's Guide* at ClearCube Support for more information about accessing and using the administrative interface.

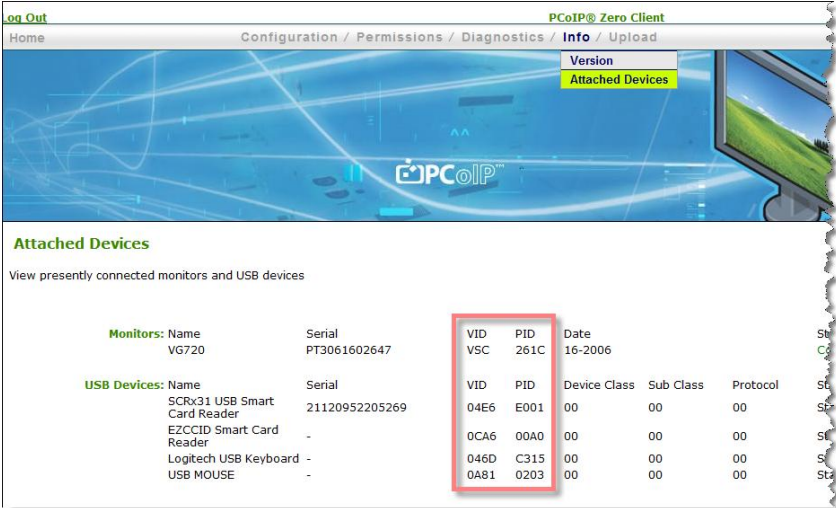
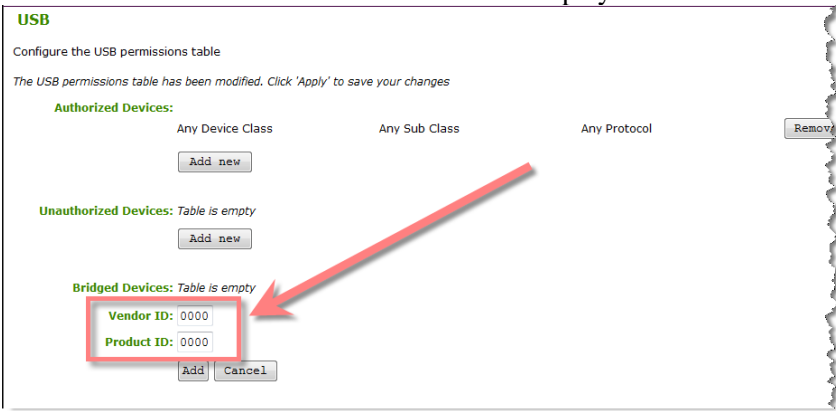
The table below shows how to bridge PCoIP zero client USB devices—such as smart card readers—to host virtual machines (source: Teradici™ Knowledge Base Topic 15134-616).

Step	Action
1	Log in to the zero client's Administrative interface.
2	From the main menu, click Info > Attached Devices . Result: The Attached Devices screen is displayed

Continued on next page

Tech Bulletin: Bridging Zero Client Smart Card Readers in VMware View™, Continued

Bridging USB devices (continued)

Step	Action																																																				
3	<p>Note the VID (Vendor ID) and PID (Product ID) of the smart card reader you are bridging to a virtual machine.</p>  <table border="1"> <thead> <tr> <th>Monitors:</th> <th>Name</th> <th>Serial</th> <th>VID</th> <th>PID</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td></td> <td>VG720</td> <td>PT3061602647</td> <td>VSC</td> <td>261C</td> <td>16-2006</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>USB Devices:</th> <th>Name</th> <th>Serial</th> <th>VID</th> <th>PID</th> <th>Device Class</th> <th>Sub Class</th> <th>Protocol</th> </tr> </thead> <tbody> <tr> <td></td> <td>SCRx31 USB Smart Card Reader</td> <td>21120952205269</td> <td>04E6</td> <td>E001</td> <td>00</td> <td>00</td> <td>00</td> </tr> <tr> <td></td> <td>EZCCID Smart Card Reader</td> <td>-</td> <td>0CA6</td> <td>00A0</td> <td>00</td> <td>00</td> <td>00</td> </tr> <tr> <td></td> <td>Logitech USB Keyboard</td> <td>-</td> <td>046D</td> <td>C315</td> <td>00</td> <td>00</td> <td>00</td> </tr> <tr> <td></td> <td>USB MOUSE</td> <td>-</td> <td>0A81</td> <td>0203</td> <td>00</td> <td>00</td> <td>00</td> </tr> </tbody> </table>	Monitors:	Name	Serial	VID	PID	Date		VG720	PT3061602647	VSC	261C	16-2006	USB Devices:	Name	Serial	VID	PID	Device Class	Sub Class	Protocol		SCRx31 USB Smart Card Reader	21120952205269	04E6	E001	00	00	00		EZCCID Smart Card Reader	-	0CA6	00A0	00	00	00		Logitech USB Keyboard	-	046D	C315	00	00	00		USB MOUSE	-	0A81	0203	00	00	00
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4	<p>Click Permissions > USB. Result: The USB screen is displayed.</p>																																																				
5	<p>From the Bridged Devices area, click Add New. Result: Vendor ID and Product ID fields are displayed.</p> 																																																				
6	<p>Type the VID and PID of the smart card reader (noted in step 3) in the appropriate fields. Then click Add. Result: The smart card reader is displayed in the Bridged Devices area.</p>																																																				

Continued on next page

Tech Bulletin: Bridging Zero Client Smart Card Readers in VMware View™, Continued

Bridging USB devices (continued)

Step	Action
7	Click Apply . <i>Result:</i> A Success screen is displayed.
8	Click Continue to complete the process. <i>Result:</i> The USB screen is displayed. The smart card reader is now bridged to the virtual machine and is ready for use.

For more information

See *PC-over-IP System User's Guide* on ClearCube Support for more information.

Contacting Support

The table below shows how to contact ClearCube Support.

Web	www.clearcube.com/support/
E-mail	support@clearcube.com
Toll-free	(866) 652-3400
Direct	(512) 652-3400