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Install APEX Card

- 1. Power down all virtual machines hosted by the server using the VMware vSphere client
- 2. Using the VMware vSphere client, right click on the ESXi server in the inventory and select Enter Maintenance Mode.



3. Once the server is in Maintenance Mode take the option to Shut Down

- 4. Once the server is turned off disconnect it from the AC power
- 5. Insert the APEX card into a free PCI Express slot and secure the bracket
- 6. Plug the server back into the AC power and power on.

Install the ESXi Driver Package on the Server

- 1. From the console of the physical server press F2 to enter customization
- 2. Enter your User Name and Password
- 3. Enable SSH:
 - ESXi 4.1 Select Troubleshooting Mode Options > Enable Remote Tech Support (SSH)
 - ESXi 5.0 or later Select Troubleshooting Mode Options > Enable SSH
- 4. Download and install WinSCP from winscp.net
- 5. Download and install Putty.exe from the Internet

Note: You will use Putty later in the instructions. You can either directly run Putty directly from the install location or you can select Commands > Open in Putty. You many need to change the path for Putty if the installation is different from the default example below:

Apex Card Installation Steps

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Co	- Applications		
Up	orage odates		
		OK Cancel Help	

- Copy the driver package from your PC to the ESXi server using WinSCP
 Enter your Host Name or IP
 Enter your User name and Password for the ESXi Server
 Under File Protocol select SCP

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root@172.16.64.176	Eile protocol:	
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10. Select Login

Apex Card Installation Steps

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			hp-cfg.txt	548 B	2/11/2015 5:37 PM	
			hp-fc-data.txt	17 B	2/11/2015 5:39 PM	
			hp-ip.txt	534 B	2/11/2015 5:37 PM	
			hp-mem.txt	27 B	2/11/2015 5:39 PM	
			hp-pci.txt	842 B	2/11/2015 5:37 PM	
			hp-route.txt	218 B	2/11/2015 5:37 PM	
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11. Transfer the driver file (.zip) to the /tmp directory on the ESXi server

Local Mark Files Commands Session Options Remote Help						
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			hp-ip.txt	534 B	2/11/2015 6:49 P	
			hp-mem.txt	27 B	2/11/2015 6:50 P	
			hp-pci.txt	842 B	2/11/2015 6:49 P	
			hp-route.txt	218 B	2/11/2015 6:49 P	
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12. Connect to the ESXi server using an SSH client like Putty from your PC and install the driver package

- Navigate to the /tmp folder <enter>
 - # cd /tmp
- $\circ~$ Enter the following command if you are connecting to an ESXi 4.1 server:

esxupdate --bundle apex2800-version-esci-version-xxxxxx.zip update

Make certain the zip file name matches the file you transferred to the /tmp folder.

• Enter the following command if you are connecting to an ESXi 5.0 or later server:

esxcli software vib install -d /tmp/apex2800-version-esxi-version-xxxxxx.zip

Make certain the zip file name matches the file you transferred to the /tmp folder.



- 13. Reboot the ESXi server
- 14. Once the ESXi server is back up, using vSphere client, right click on the ESXi server in the inventory and select Exit Maintenance Mode

Install the Virtual Machine Driver on the Virtual Machine (VM)

- 1. Power up the virtual machine
- 2. From the vSphere Client open a console to the virtual machine
- 3. Run the apex28900-version-xxxxx.exe installer on the virtual machine and follow the steps that appear.

(NOTE: the exe can be found in the .zip file that was used to install the driver on the ESXi server and it must be installed from the console in the vSphere client - it CANNOT be installed from within a PCoIP session to the virtual machine)

4. After the installation completes, choose to reboot the machine later.

! IMPORTANT !

Make sure to power the virtual machine off and back on again. This ensures that the ESXi will inspect the updated virtual machine image.

Verify Global Policies Settings

1. Verify global policies settings in the View Connection Server:

Access the VMware Horizon View Administrator

- Under policies select Global Policies
- Make sure that the PCoIP hardware acceleration is set to "allow" in the Global Policies, if any policies inherit from it.
- In any customer policies, make sure the option for enabling and disabling PCoIP hardware acceleration is set to allow.

Edit View Policies	?					
Set global policies for all machines						
View Policies						
Multimedia redirection (MMR):	Allow -					
USB access:	Allow -					
PCoIP hardware acceleration:	Allow -					
	Priority: Medium 🛛 🕶					
	OK Cancel					

View APEX Status and Serial Number

The APEX 2800 is now installed and configured.

- 1. Verify the working status of the Teradici APEX card:
 - ESXi 4.1:

In your SSH session, enter the following command:

pcoip-ctrl -l

- ESXi 5.0 or later
- In your SSH session enter the following command:

/opt/teradici/pcoip-ctrl -I

