Quick Start Guide

VX
· VIRTUAL APPLIANCES ·

Citrix XenServer Hypervisor

· Router Mode ·
(Out-of-Path Deployment)

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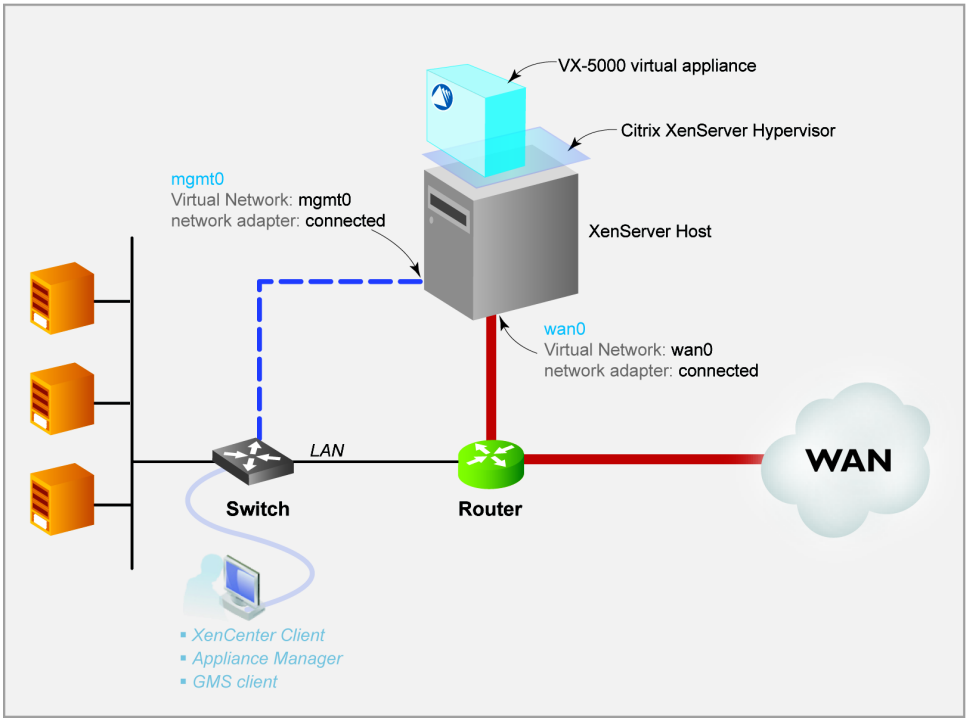
If you're not using **Citrix XenCenter 6.0**, your screens may vary.

Host with Silver Peak VX-5000
OUT-OF-PATH [Router Mode]



This Quick Start Guide only covers Router mode, which uses **wan0** for data traffic.

Before You Begin

☑ Comply with the *VX Virtual Appliance Host System Requirements* [PN 200566-001]

☑ Download the virtual appliance ISO file to the XenServer ISO library:

- For a 30-day free trial, go to the Silver Peak Marketplace.
- If you've purchased the product, then log in at the Silver Peak Support portal.

☑ Obtain a VX virtual appliance activation license key

☑ If not using DHCP, then get an IP address for the Silver Peak appliance.

SUMMARY OF TASKS

1. **Configure the virtual network**
2. **Create the virtual machine**
3. **Establish connectivity to the virtual machine**
4. **Add network adapter to the virtual machine**
5. **Run the Appliance Manager initial configuration wizard**

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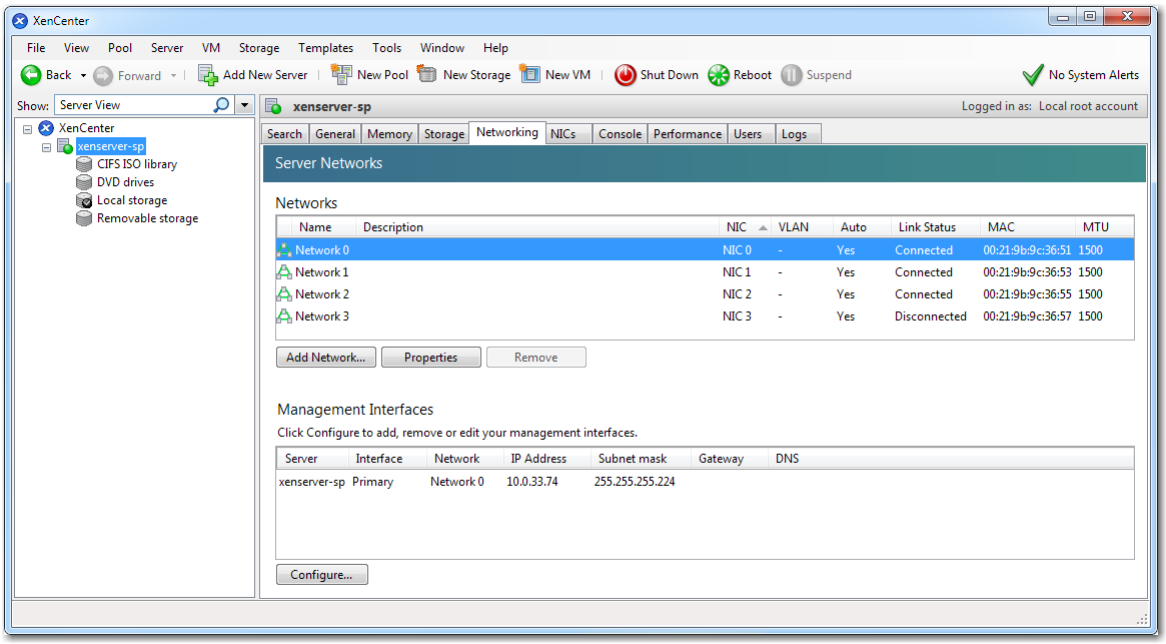
FIRST . . .

- Download the ISO image from the Silver Peak website to a drive that's accessible to your Citrix server. This could be any CIFS or NFS mountable network drive, which you designate as an ISO library before proceeding further.
- Refer to Citrix documentation for more on creating or mapping an ISO library.

THEN . . . Launch Citrix XenServer from the desktop, and connect to the target XenServer host.

Configure the virtual network

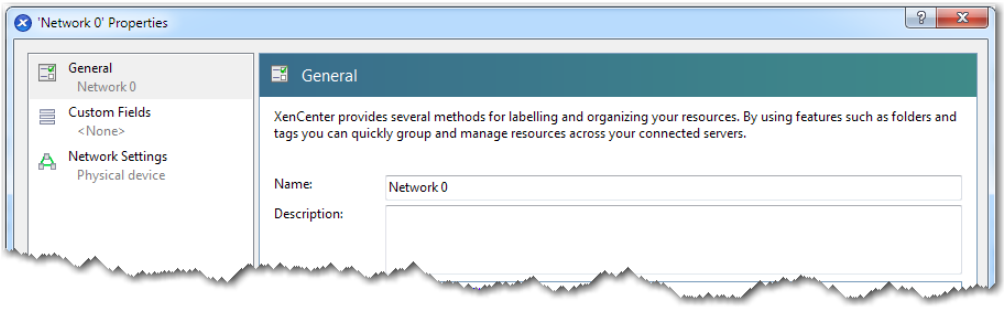
a. Select the **Networking** tab.



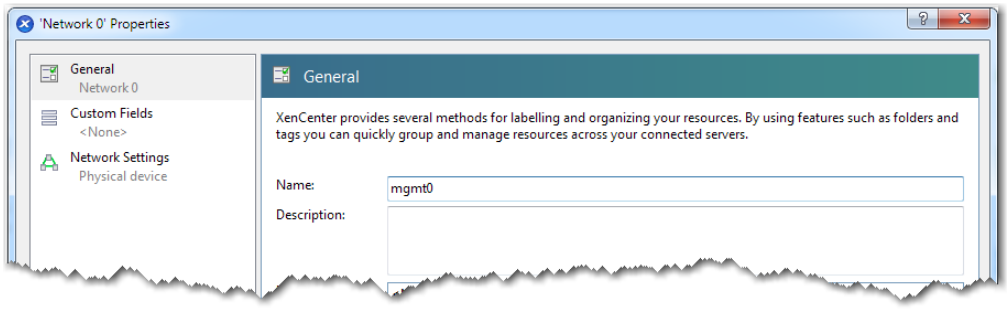
For **mgmt0**, you can use the NIC that the **Management Interface** is currently using, or you can pick a different one. In this example, we'll pair **NIC 0** with **mgmt0**.

To do this, we'll rename **Network0** to **mgmt0**.

b. To configure for **mgmt0**, select **Network0** and click **Properties**. The **'Network0' Properties** screen appears.

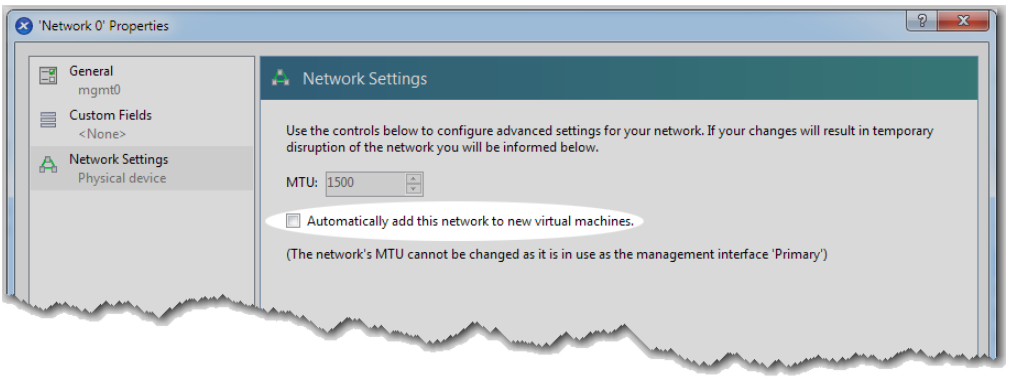


c. In the **Name** field, enter `mgmt0`.

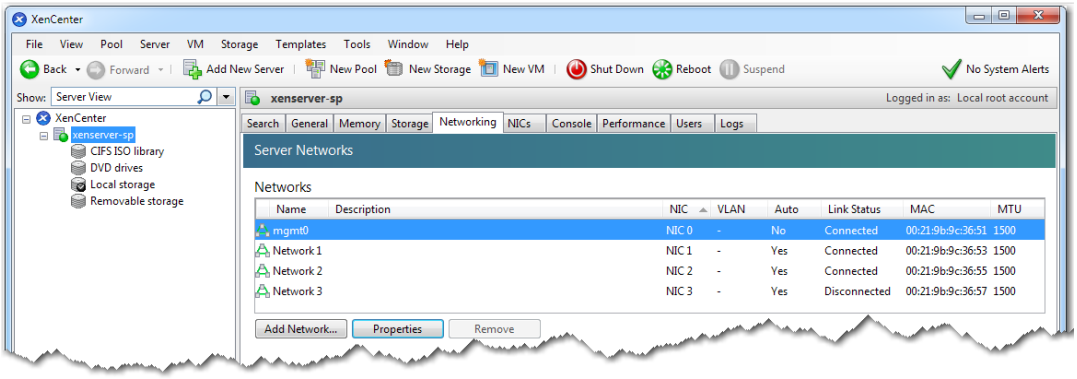


d. On the left, click **Network Settings**. The **Network Settings** screen appears.

e. Clear the checkbox, **Automatically add this network to new virtual machines**.



f. Click **OK**. The **Networking** tab displays the new name, **mgmt0**, with **No** in the **Auto** column.



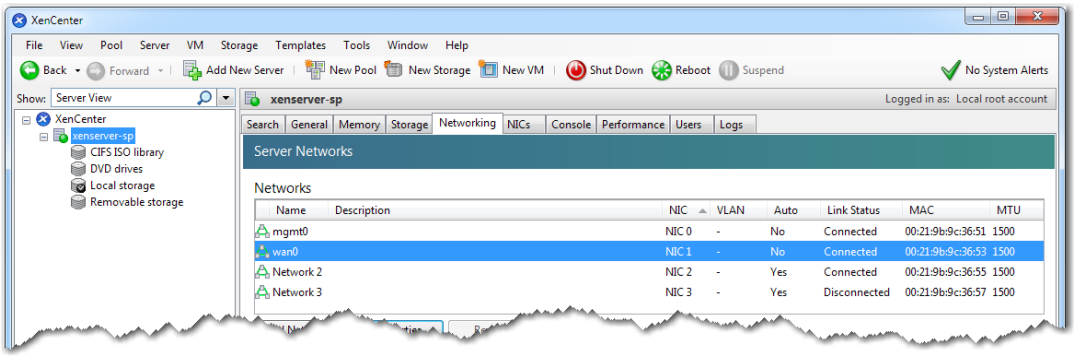
g. To configure for **wan0**, do the following:

☑ Select **Network1** and click **Properties**. The **'Network1' Properties** screen appears.

☑ In the **Name** field, enter `wan0`.

☑ On the left, click **Network Settings**. The **Network Settings** screen appears.

☑ Clear the checkbox, **Automatically add this network to new virtual machines** and click **OK**. The **Networking** tab displays the new name, **wan0**, with **No** in the **Auto** column.



h. After naming **mgmt0** and **wan0**, any remaining NICs (Networks) won't be used, and we don't want them to automatically add themselves to the new virtual machine.

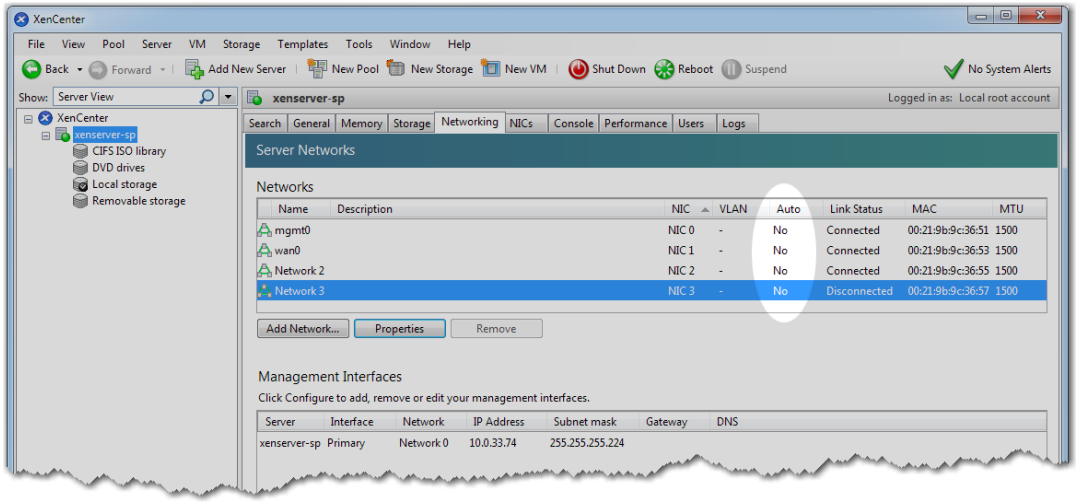
Therefore, for any and all remaining NICs, do the following:

☑ Select the NIC (usually named **Network n**, where **n** is a number), and click **Properties**.

☑ In the **Network n Properties** window, leave the name unchanged and click **Network Settings**.

☑ Clear the checkbox, **Automatically add this network to new virtual machines** and click **OK**.

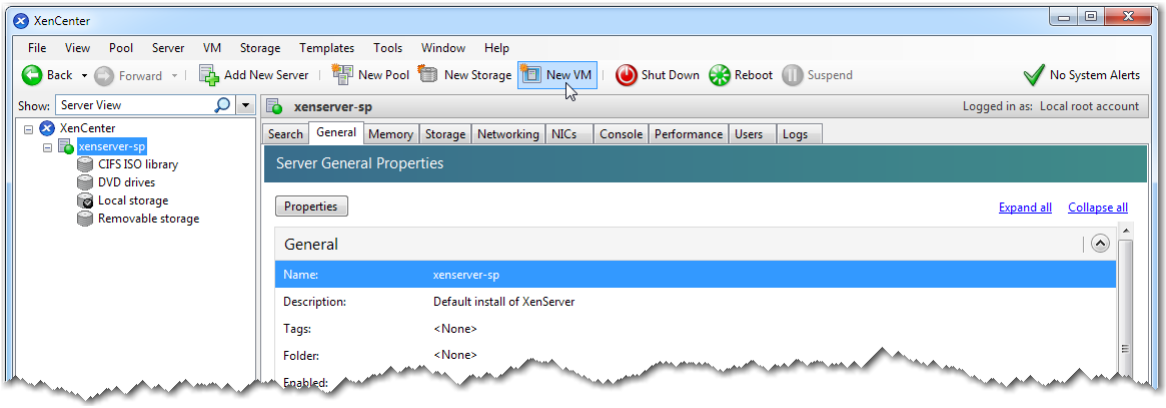
You are finished when each NIC has **No** in the **Auto** column.



2 Create the virtual machine

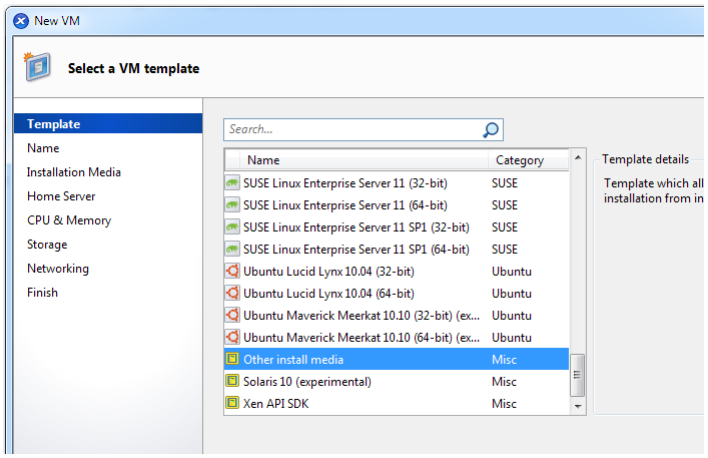
Before continuing, make sure that you've saved the downloaded ISO file from Silver Peak's Support portal to the XenServer's ISO library.

a. In the XenCenter menu bar, click **New VM**.

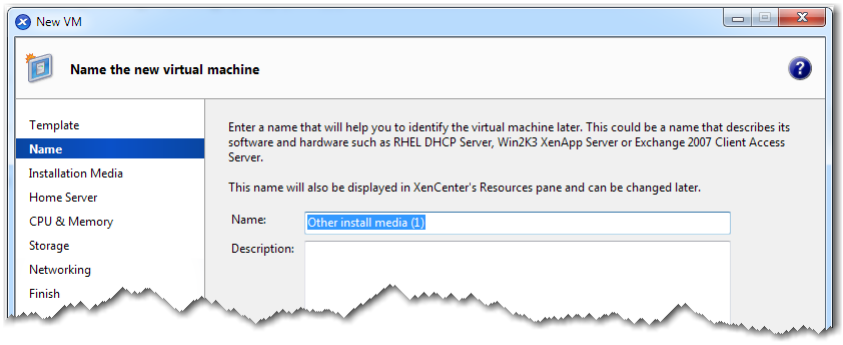


The **New VM Template** page appears.

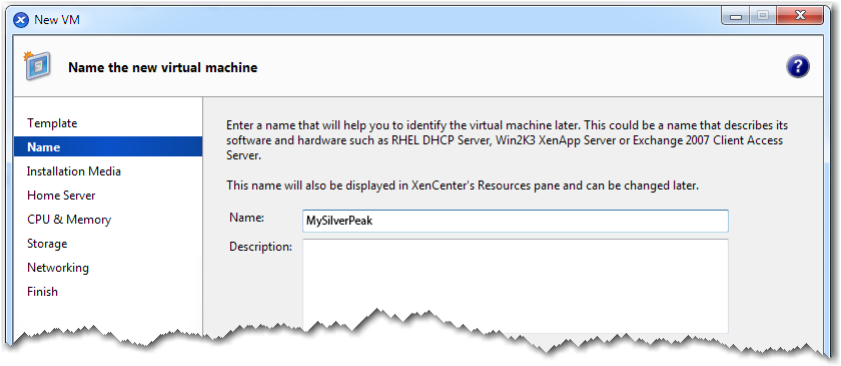
b. Scroll down to select **Other install media** and click **Next**.



The **New VM Name** page appears.



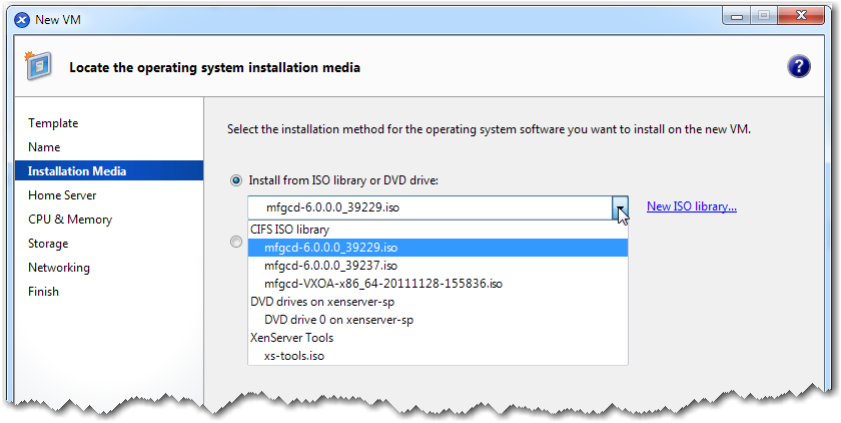
c. In the **Name** field, enter `MySilverPeak` and click **Next**.



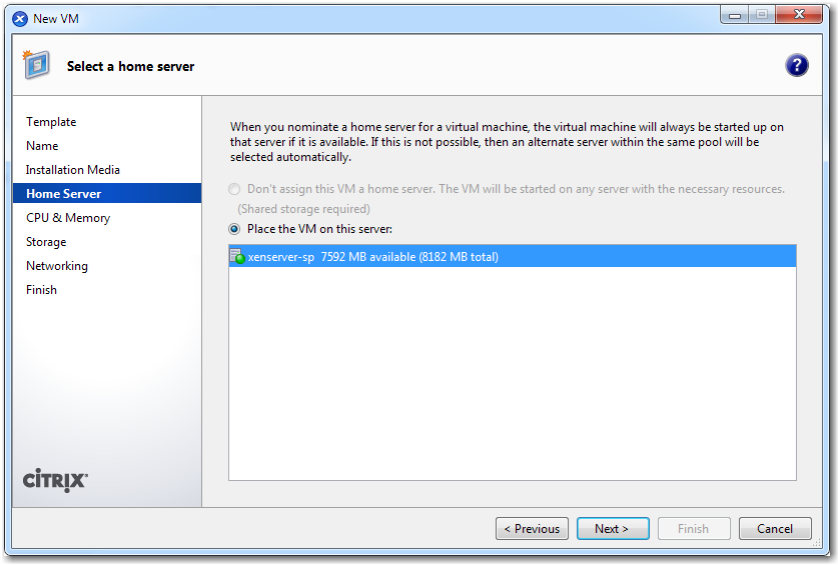
The **New VM Installation Media** page appears.

You should already have downloaded the **.iso** file to an ISO library. If that ISO library is not attached to this host, then click **New ISO library** and follow the instructions.

Now, from the **Install from ISO library or DVD drive** field's drop-down menu, select the ISO file that you downloaded from Silver Peak's Support portal.

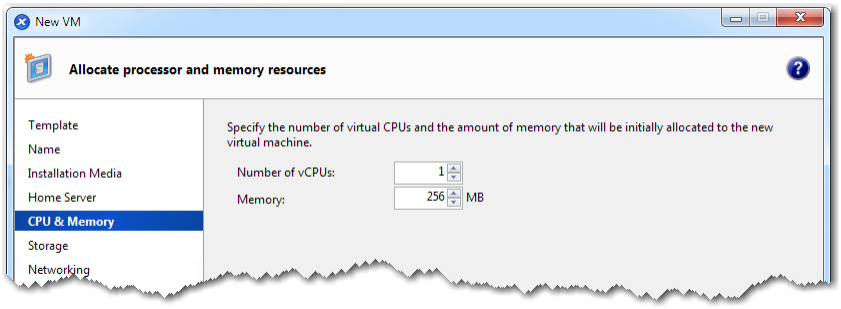


d. Click **Next**. The **New VM Home Server** page appears.



e. Verify that the server listed is the one you created earlier, and click **Next**.

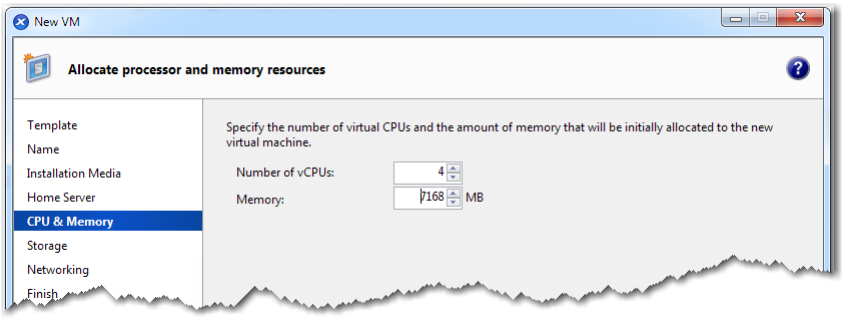
The **New VM CPU & Memory** page appears.



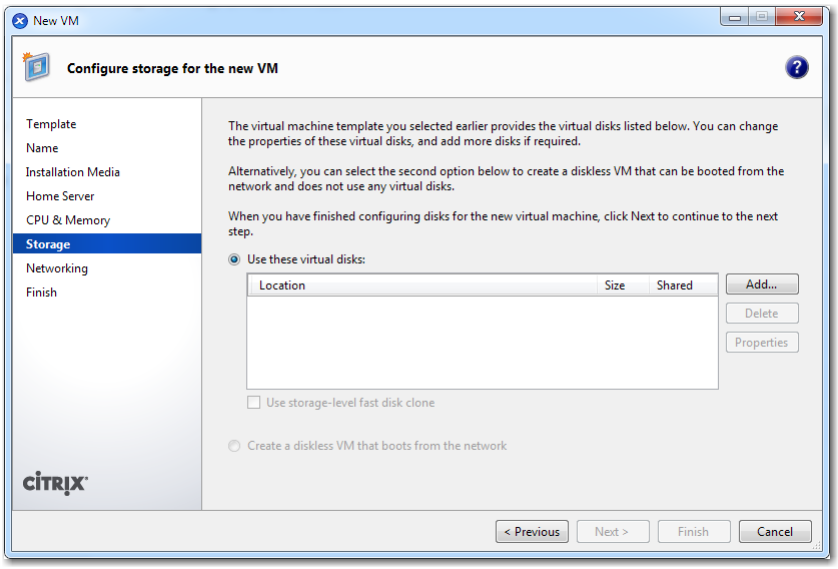
For your VX model, refer to the *VX Virtual Appliance Host System Requirements* document for the number of vCPUs and amount of memory your virtual appliance must have. In this example, we'll use the values for the VX-5000.

- For the **Number of vCPUs** field, look for the number of ***Processor Cores*** required. In this instance of the VX-5000, it's **4**.
- For the **Memory** field, look for the number of ***Memory (Gigabytes)*** required. In this instance of the VX-5000, it's ***7 GB***. Multiply this by 1024 MB/GB for a total of **7168 MB**.

f. Enter these values in the appropriate fields and click **Next**.



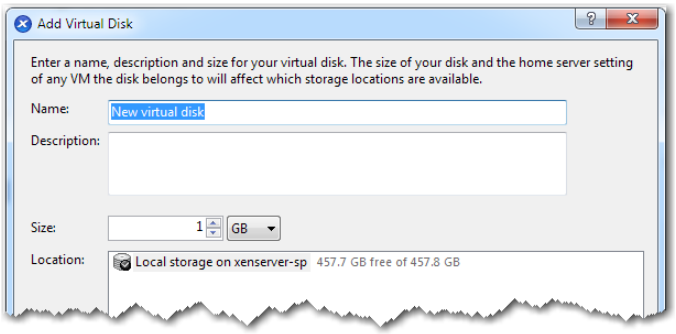
The **New VM Storage** page appears.



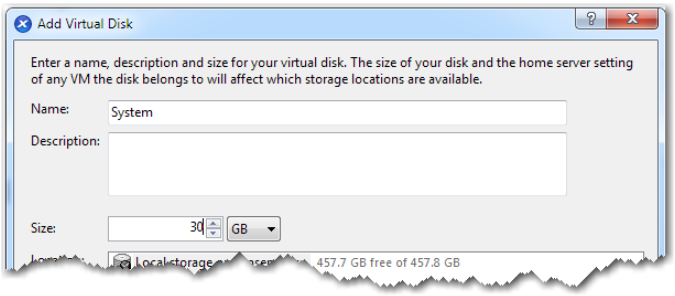
At this point, you need to add two virtual disks—one for the ***System***, and one for ***Network Memory***.

Again, refer to the *VX Virtual Appliance Host System Requirements* document—this time for ***Storage (Gigabytes)***.

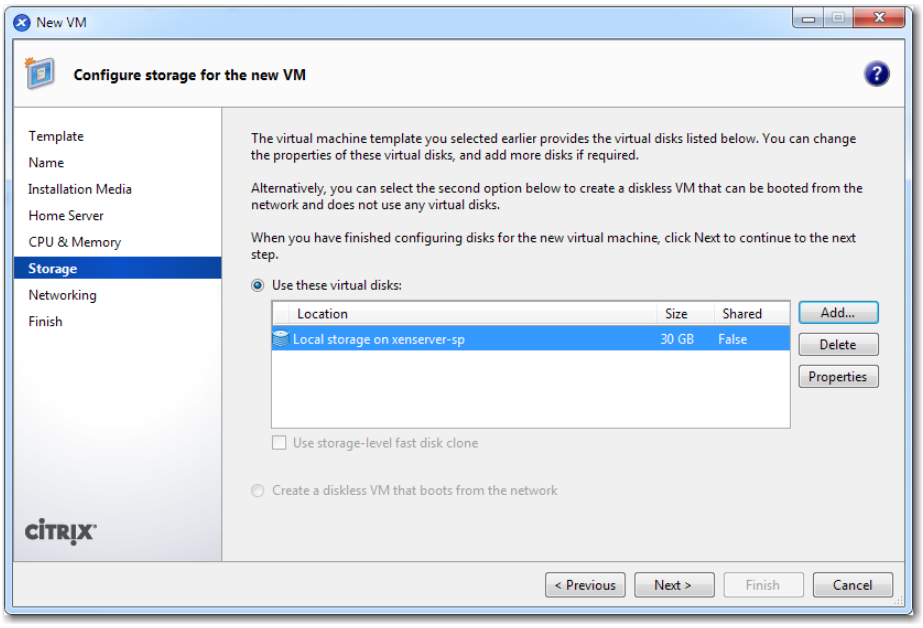
g. Click **Add**. The **Add Virtual Disk** screen appears.



h. In the **Name** field, enter `System`, and in the **Size** field, enter `30 GB`.This size (30 GB) is the appropriate value for all VX appliances. A larger allocation **does not** improve performance, and the excess remains unused.

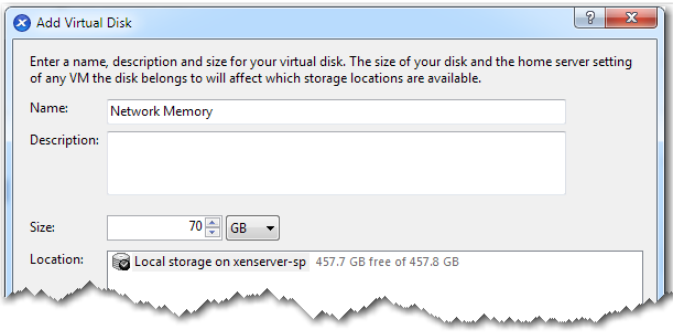


i. Click **Add**. The **New VM Storage** screen appears, listing the newly assigned storage.

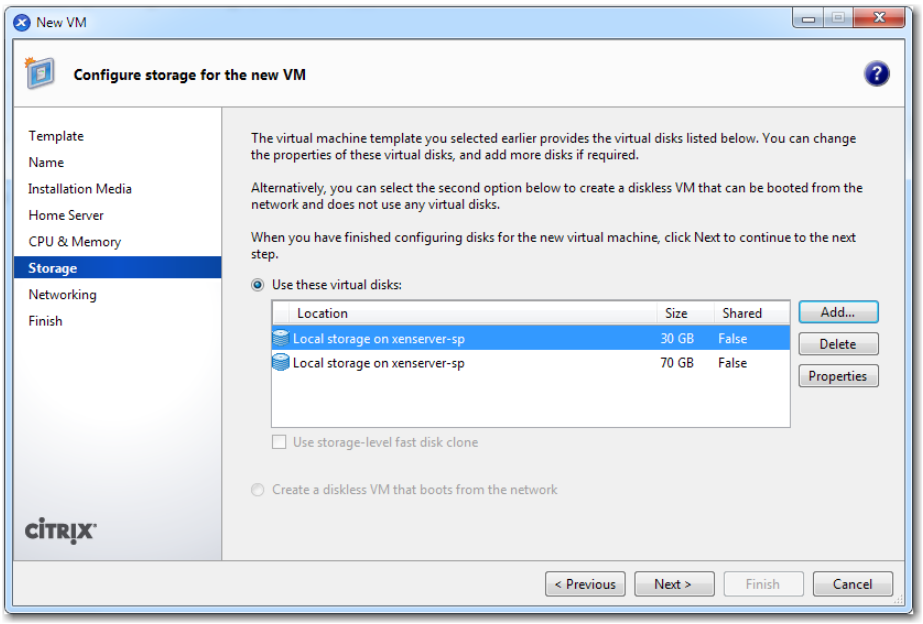


j. Click **Add**. The **Add Virtual Disk** screen appears. Refer to the Silver Peak *VX Virtual Appliance Host System Requirements* document for the values you'll need to enter for your VX model. For this example, we'll use the value for the VX-5000.

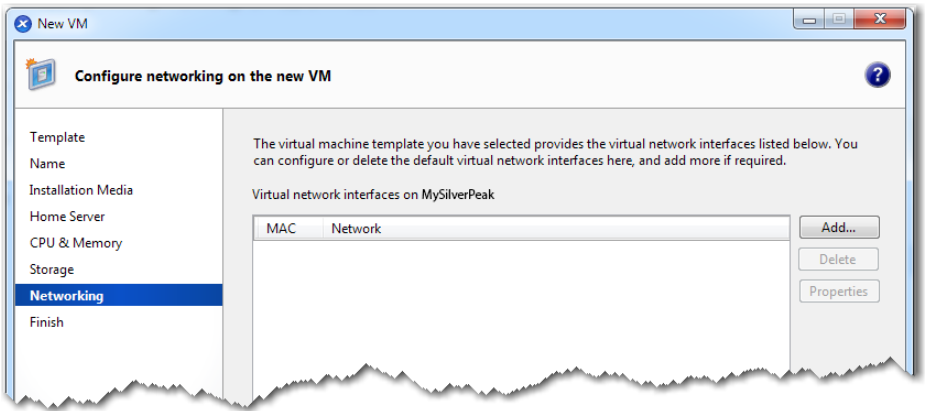
k. In the **Name** field, enter `Network Memory`, and in the **Size** field, enter `70 GB` and click **Add**.



The **New VM Storage** screen reappears, listing all the assigned storage.

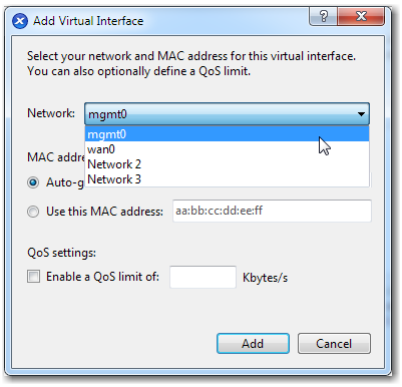


l. Click **Next**. The **New VM Networking** page appears. It is blank.



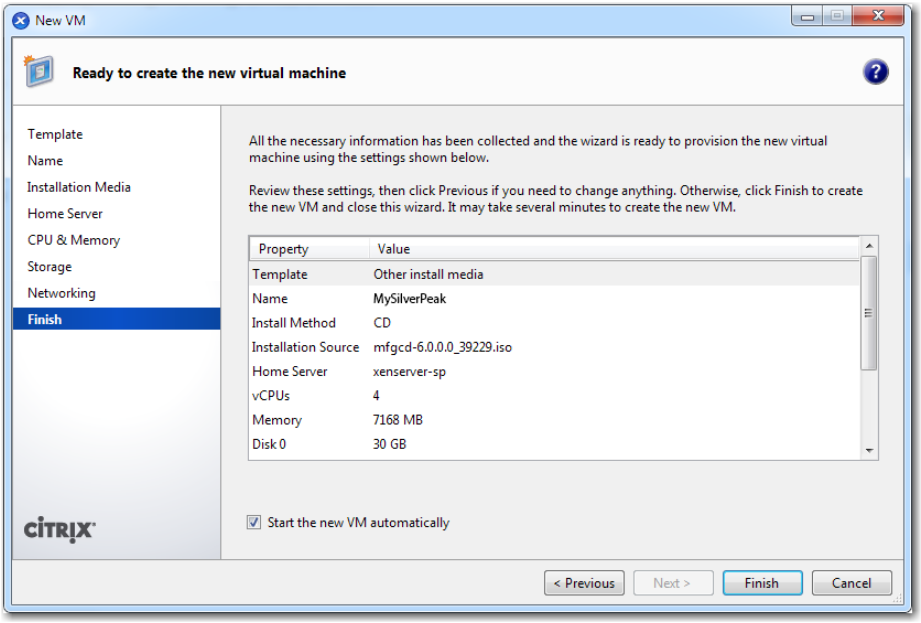
Now you must add the virtual network interface.

m. With that in mind, click **Add**. The **Add Virtual Interface** screen appears. In the **Network** field, select **mgmt0** from the drop-down list.



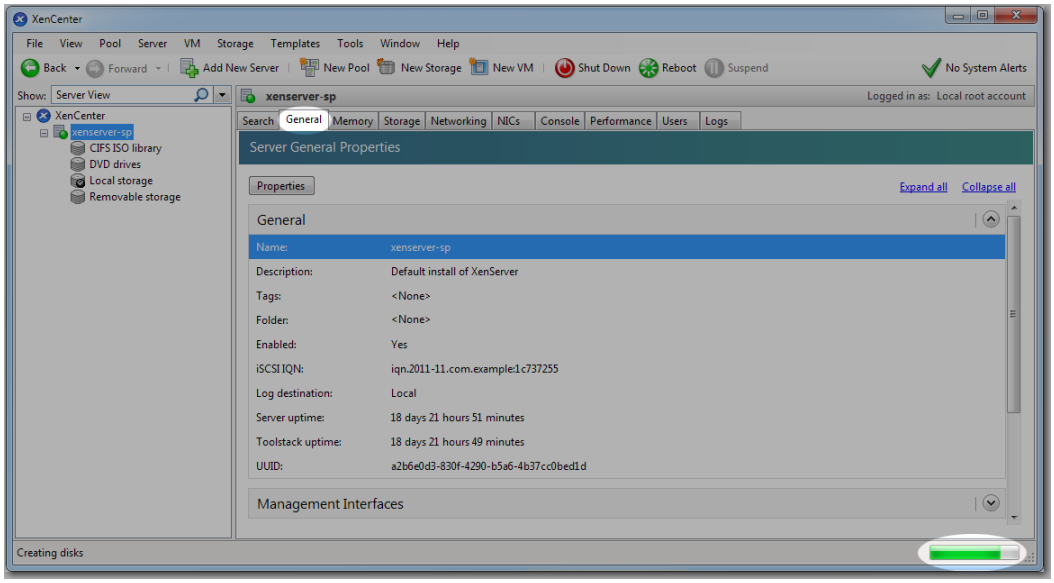
n. Click **Add**. The updated **New VM Networking** page appears.

o. Click **Next**. The **New VM Finish** page appears.

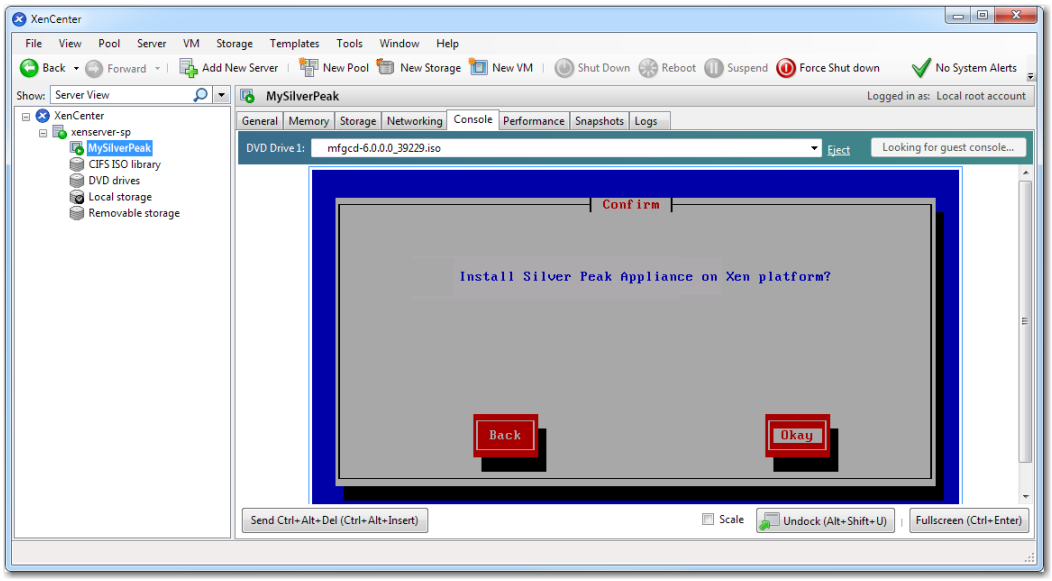


p. After reviewing the settings, click **Finish**.

The VM starts automatically, and the **XenCenter General** tab appears, with a progress bar in the lower right corner.

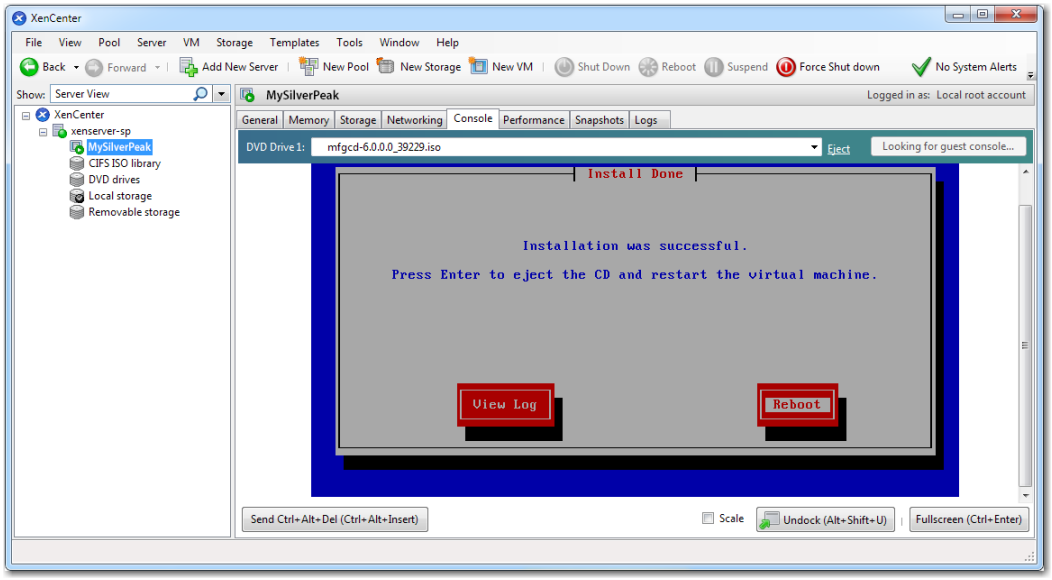


q. When the console displays the **Confirm** scren, asking, "Install Silver Peak Appliance on Xen platform?", press **Enter** to accept **Okay**.

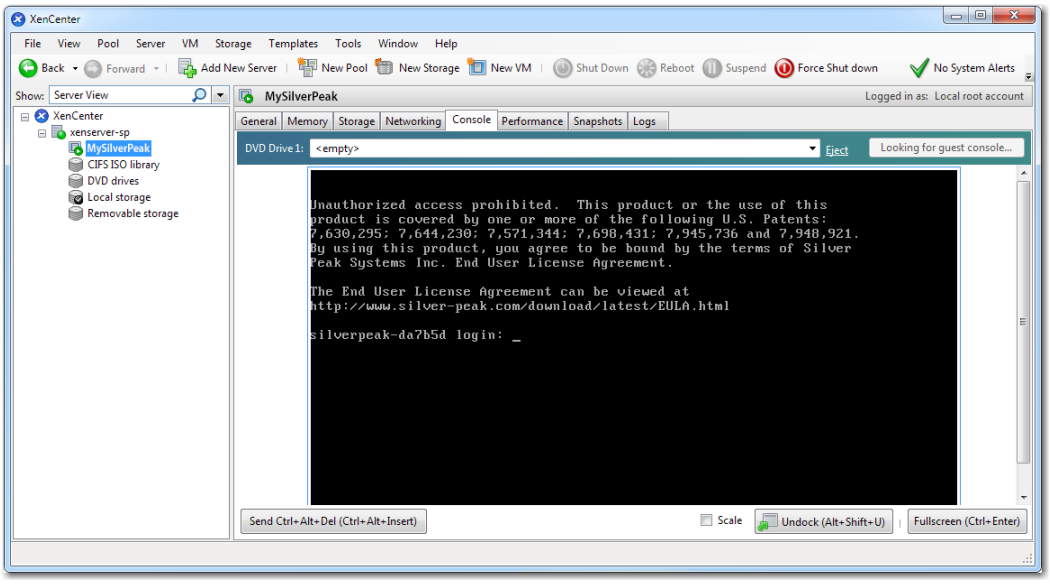


The appliance installs on the Xen platform. This may take a few minutes to complete.

r. When installation is complete, press **Enter** to eject the CD. Afterwards, the virtual machine restarts automatically.



After the appliance boots up, it arrives at the login prompt.



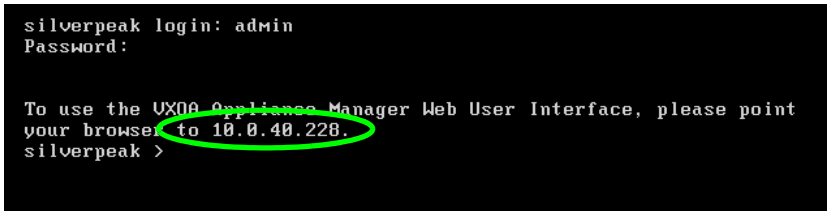
3 Establish connectivity to the virtual machine

To access the VX appliance's user interface, you'll need to discover the IP address for its **mgmt0** interface and enter it into a browser.

a. Log in using the username/password credentials, **admin** / **admin**,

b. The next task is to determine the virtual appliance's IP address:

- ***If you're using DHCP***, the virtual appliance IP address displays after the login, immediately above the prompt.



  Or, you could also enter, **show ip**. Either method works.

- ***If you're <u>not</u> using DHCP***, then you must configure the static IP address and default gateway. In the virtual appliance console, enter the following commands sequence:

[vx-appliance] > **enable**	[ENTER]
[vx-appliance] # **configure terminal**	[ENTER]
[vx-appliance] (config) # **no interface mgmt0 dhcp**	[ENTER]
[vx-appliance] (config) # **interface mgmt0 ip address <IP address> <netmask>**	[ENTER]
[vx-appliance] (config) # **ip default-gateway <default-gateway>**	[ENTER]

c. To verify connectivity, enter the following command sequence:

[vx-appliance] > **enable**	[ENTER]
[vx-appliance] # **show ip default-gateway**	[ENTER]
[vx-appliance] # **ping <default-gateway>**	[ENTER]

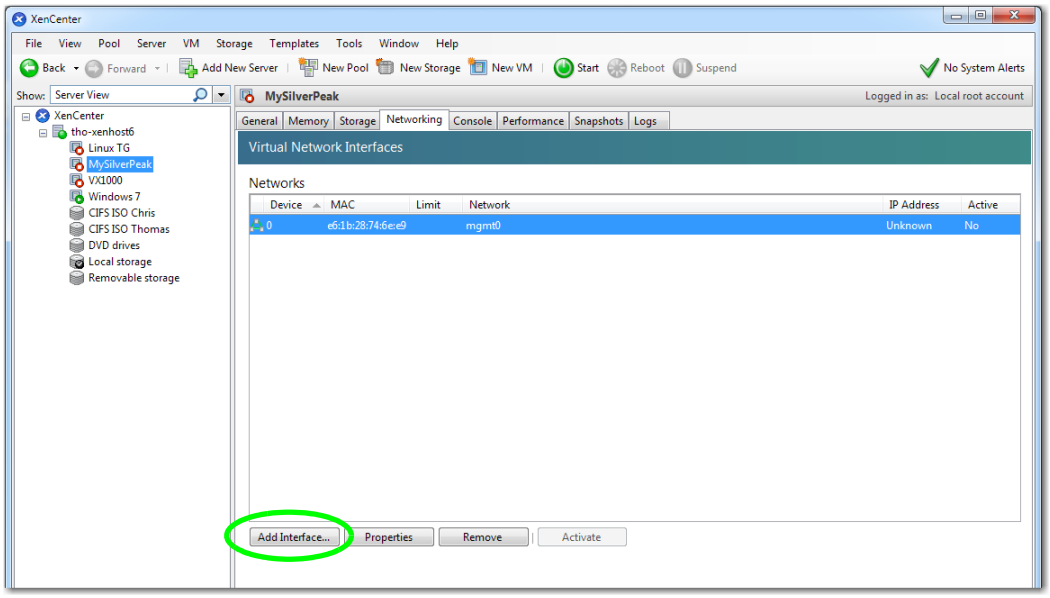
To stop the pinging, enter **CTRL-C**.

d. In the console, enter **reboot halt**, which powers down the virtual machine.

4 Add network adapter to the virtual machine

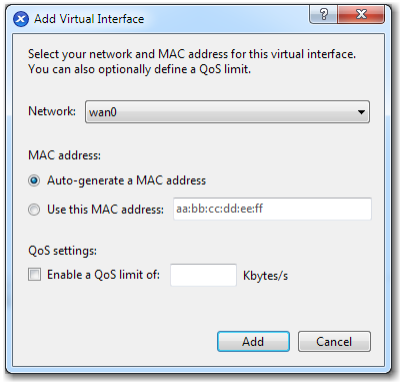
Now you'll add the **wan0** network adapter.

a. In the navigation pane, click **MySilverPeak**, select the **Networking** tab, and click **Add Interface**.

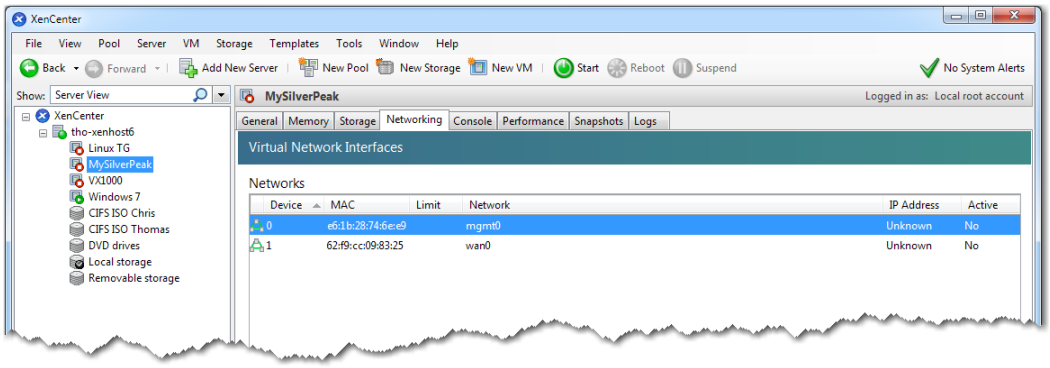


The **Add Virtual Interface** screen appears.

b. In the **Network** field, select **wan0** form the drop-down list and leave **Auto-generate a MAC address** selected.



c. Click **Add**. The updated **Virtual Network Interfaces** page appears.

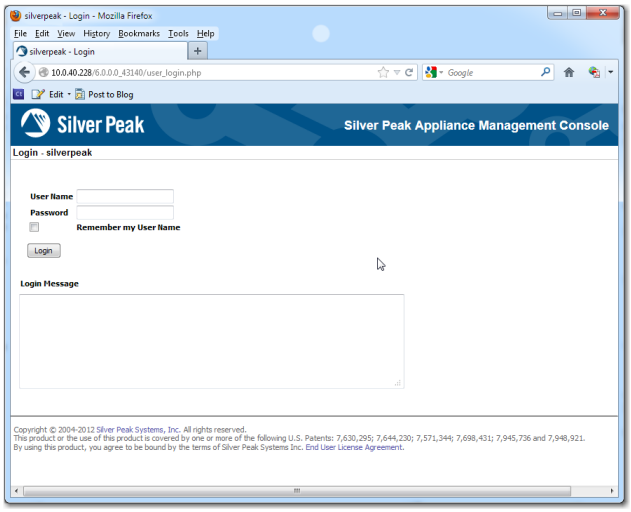


d. In the toolbar, click **Start** to power on the virtual appliance.

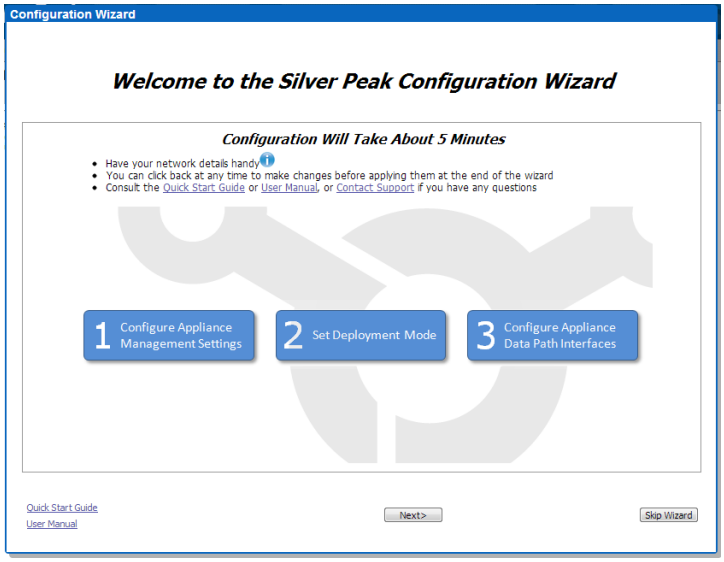
You are now ready to complete the Silver Peak virtual appliance initial configuration wizard.

5 Run the Appliance Manager initial configuration wizard

a. In a browser, enter the **mgmt0** IP address you just discovered or configured. The Silver Peak Appliance Management Console login page appears.



b. For both the **User Name** and **Password**, enter `admin`. The initial configuration wizard appears.



c. Complete the remaining wizard screens.

d. On the last wizard screen, click **Apply**.
The Appliance Manager takes a few minutes to reboot and return to the login page.

You are now ready to start using the appliance.