

Quick Start Guide

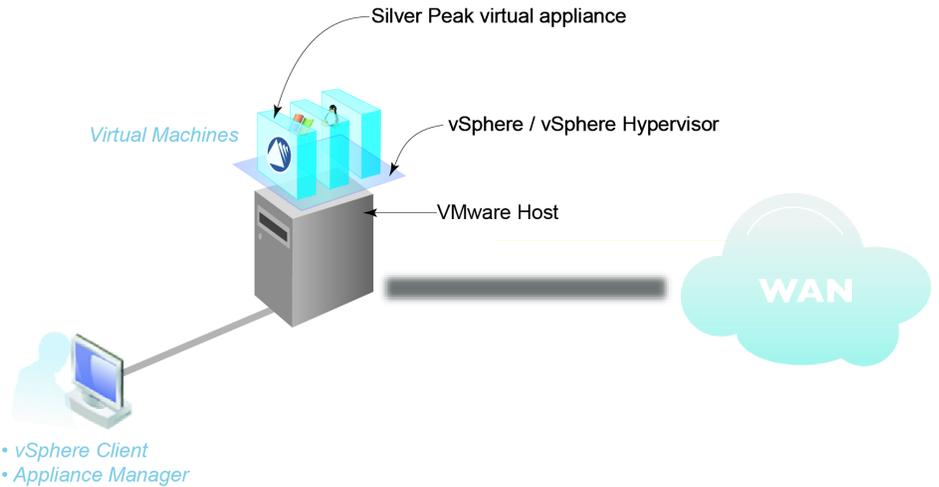
VELOCITY

· REPLICATION ACCELERATOR ·

VMware vSphere / vSphere Hypervisor

· Server Mode · (Single-Interface Deployment)

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Before You Begin

- Comply with the [Velocity Replication Accelerator Host System Requirements](#) [PN 200778-001]
- Download the virtual appliance OVF template file:
 - 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 Velocity Replication Accelerator activation license key
- If not using DHCP, then an IP address for the Silver Peak appliance.

This Quick Start Guide only covers the single-interface Server mode, which uses **mgmt0** for data traffic.

NOTE: When you download the OVF template file and save it, Internet Explorer may change the suffix from **.ova** to **.tar**. If it does, change the suffix back to **.ova**.

SUMMARY OF TASKS

- 1 Deploy the Velocity Replication Accelerator's OVF template**
- 2 Establish connectivity to the virtual appliance**
- 3 Run the Appliance Manager initial configuration wizard**
- 4 Manually create a tunnel between the Silver Peak Velocity appliances**
- 5 Manually create a Route Policy and tunnel**
- 6 Configure storage for redirection**



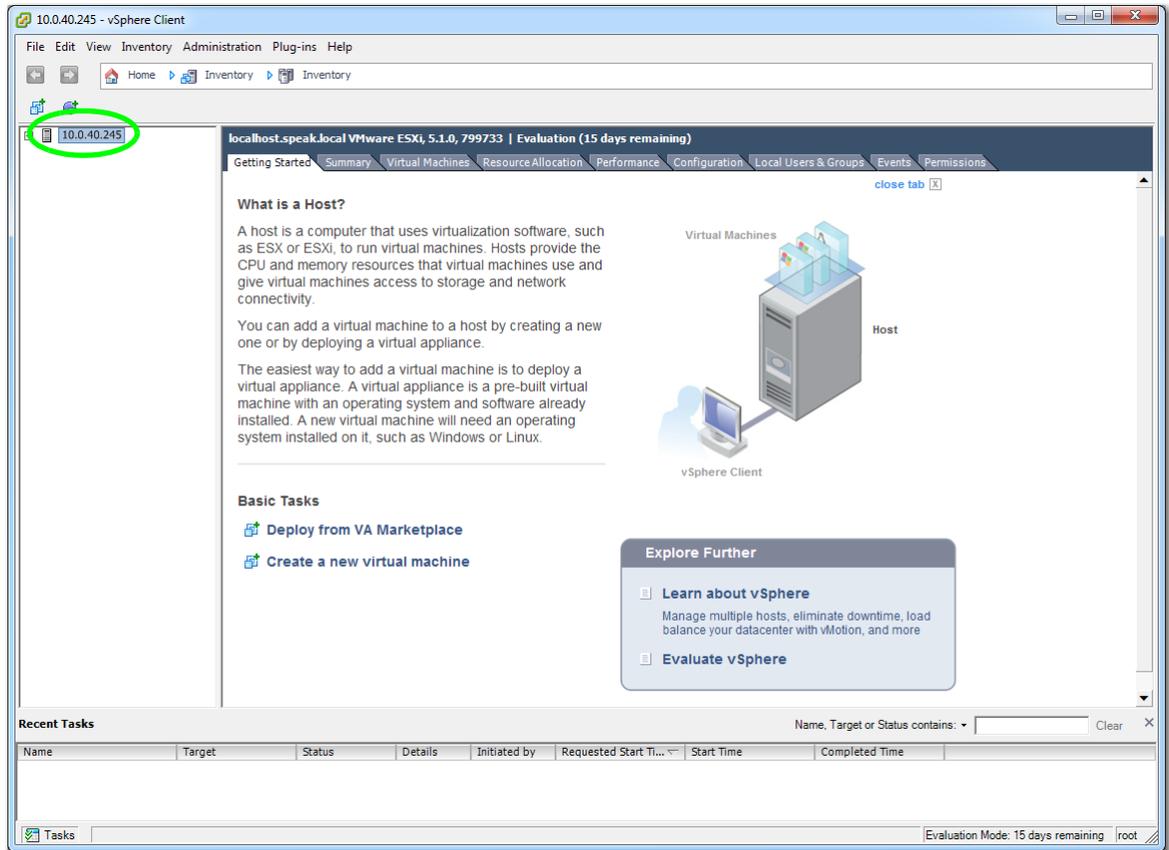
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Deploy the Velocity Replication Accelerator's OVF template

- a. Launch the vSphere client, enter the IP address for the VMware vSphere host.

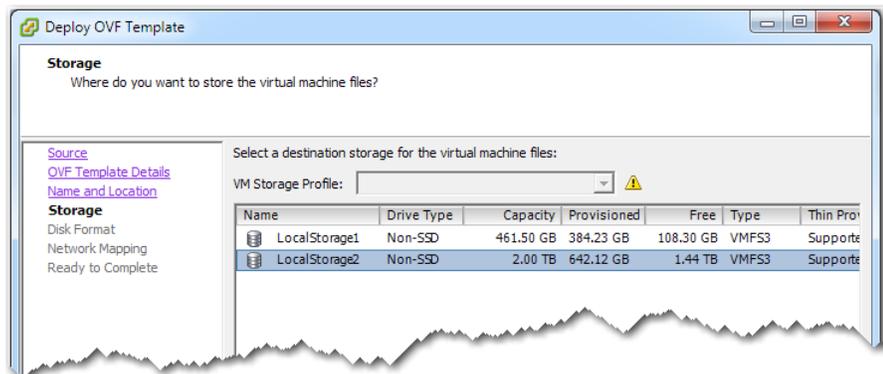
The host interface appears.



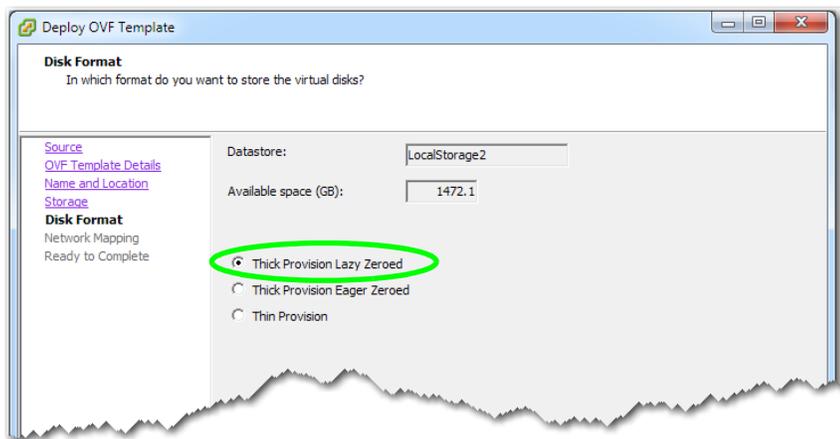
- b. From the **File** menu, select **Deploy OVF Template**, and follow the steps in the wizard.

NOTE: On the Name and Location page, we changed the virtual appliance's default name to **MySilverPeak**, to make this example more generic.

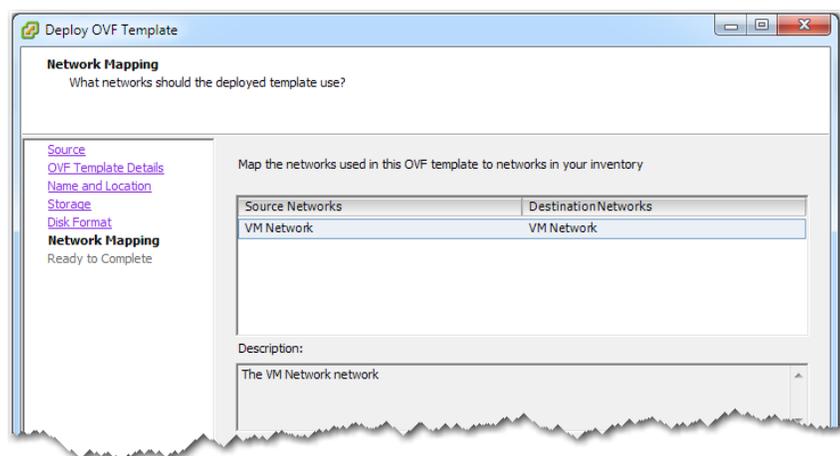
- c. When the Storage page appears, verify that the storage you select meets the requirements specified in the *Velocity Replication Accelerator Host System Requirements* [PN 200778-001].



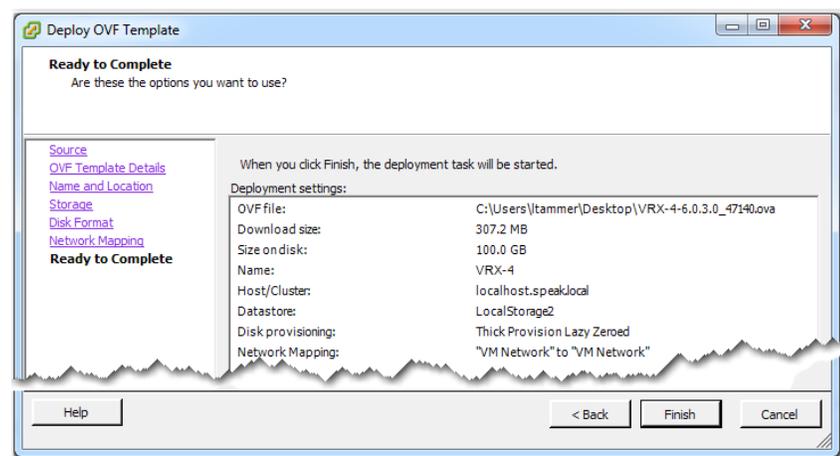
- d On the Disk Format page, make sure to select **Thick Provision Lazy Zeroed**.



- e The Network Mapping page defaults to selecting **VM Network**. If this is not appropriate in your circumstances, then select the one that is.



- f When the Ready to Complete page appears, go to the bottom of the page and click **Finish**.



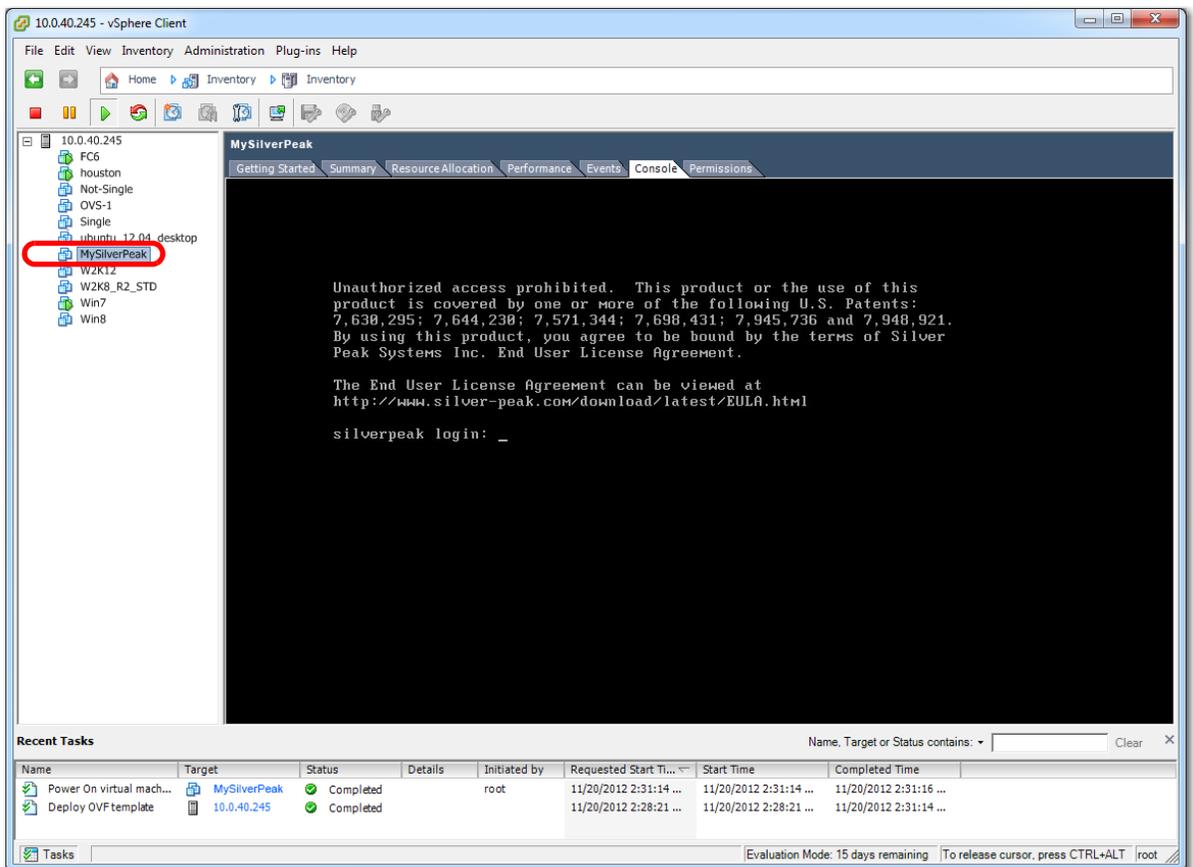
The Silver Peak appliance deploys.

2 Establish connectivity to the virtual appliance

- a. In the vSphere Client, select the newly deployed virtual appliance and click  to power it on.



- b. Click the **Console** tab. The client login screen appears.



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

- d The next task is to determine the virtual appliance's IP address.

The appliance and the replication applications must be in the same subnet.

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

```
silverpeak login: admin
Password:

To use the UX00 Appliance Manager Web User Interface, please point
your browser to 10.0.40.228.
silverpeak >
```

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

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

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

- e. To verify connectivity, enter the following command sequence:

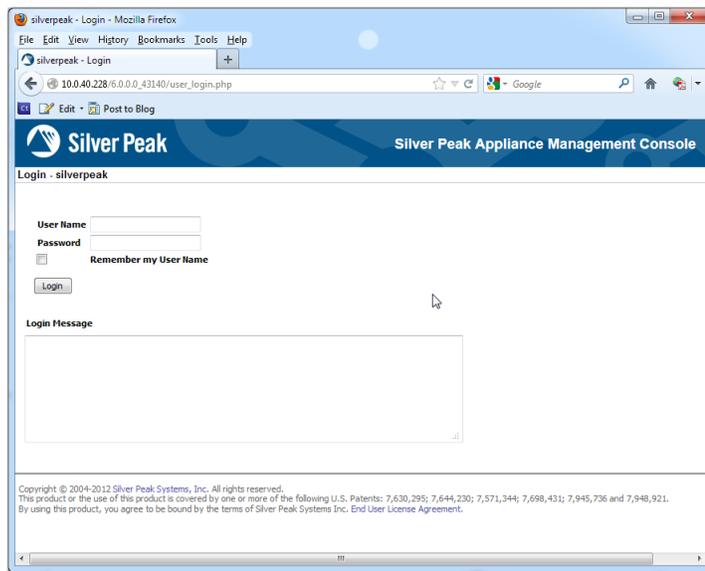
```
[vr-x-appliance] > enable [ENTER]
[vr-x-appliance] # show ip default-gateway [ENTER]
[vr-x-appliance] # ping <default-gateway> [ENTER]
```

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

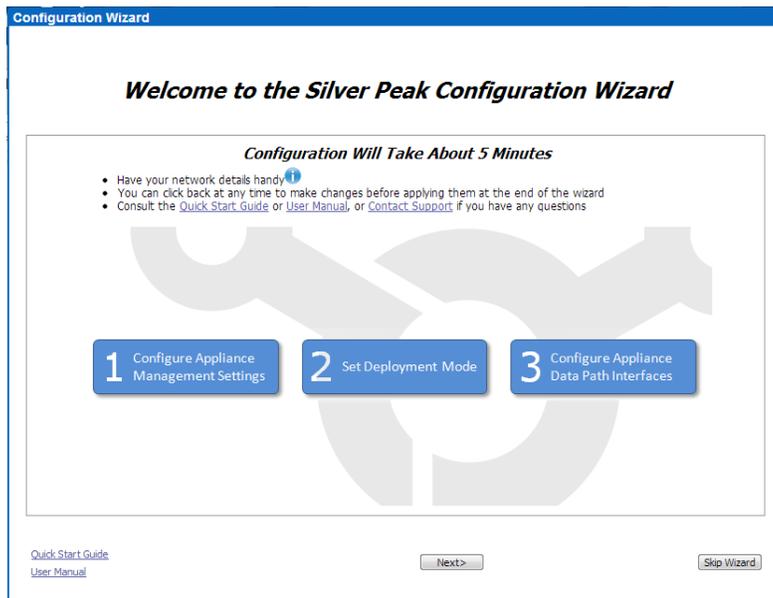
You are now ready to complete the Silver Peak virtual appliance initial configuration wizard.

3 Run the Appliance Manager initial configuration wizard

- a. In a browser, enter the IP address that 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.

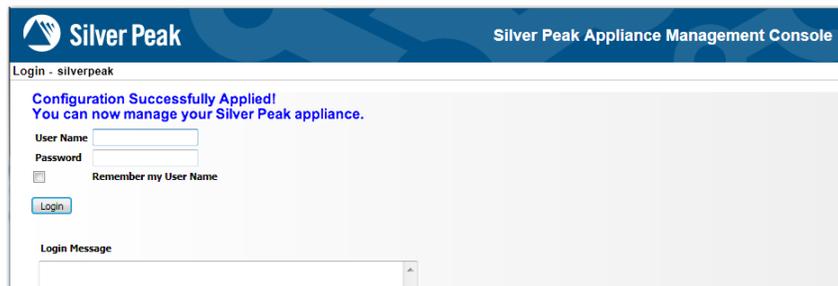


- c. Complete the remaining wizard screens, with attention to the following:
- Be sure to enter a value for the **Max WAN Bandwidth**.
 - Deselect **Auto Tunnel**.
- d. On the last wizard screen, click **Apply**. When the virtual appliance asks permission to reboot, allow it. The Appliance Manager takes a few minutes to reboot and return to the login page.

4 Manually create a tunnel between the Silver Peak Velocity appliances

You must complete this step for both the primary and the secondary sites.

- a. When the appliance has finished rebooting, enter the username and password, and click **Login**.



- b. From the home page's banner, select **Configuration > Tunnels**. The **Configuration - Tunnels** page appears.

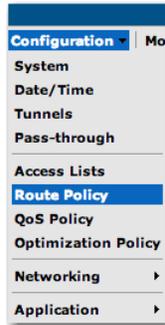
- c. Click **Add**. When the **Add Tunnel** dialog box appears, complete the fields as follows:

Name:	Use a descriptive name. For example, tunnel-to-remote-site
Admin:	up [default]
Auto Discover MTU:	selected [default]
Local IP:	The system populates this with the local system IP address.
Remote IP:	system IP address for the remote Velocity appliance
Auto Max BW:	selected [default]
Min BW:	32 [default]
Mode:	UDP

- d. Click **Apply**.
- Initially the **Configuration - Tunnels** page displays the tunnel **Status** as **down - in progress**.
 - After configuring successfully, the tunnel's **Status** becomes **up - active**.

5 Manually create a Route Policy and tunnel

- a. From the home page's banner, select **Configuration > Route Policy**.



The **Configuration - Route Policy** page appears.

- b. For the active map (**map1**), click **Add** and use the following settings:

map1 (active) - Number of entries: 0

Priority	ACL	Match Criteria						Set Actions	
		Protocol	Src Subnet	Dst Subnet	Application	Src:Dst Port	DSCP	Tunnel	Tunnel Down Action
new 10		ip	0.0.0.0/0	0.0.0.0/0	snapmirror	0:0	any	[auto optimized] Tunnel_to_Remote_Site	pass-through drop

Apply Cancel

Priority: 10 [default]
Protocol: ip [default]
Src Subnet: local subnet
Dst Subnet: remote subnet
Application: any [default]
DSCP: any [default]
VLAN: any [default]
Tunnel: Use the tunnel you created in Step 4.
Tunnel Down Action: drop

- c. Click **Apply**.
- d. Click **Save Changes**.

6 Configure storage for redirection

- a. Configure storage for redirection. There are two ways to accomplish this:
 - Configure a static route to direct replication traffic to the Velocity appliance
 - Change the default gateway for all replication ports to use the Velocity appliance

 - b. You can download specialized storage configuration guides from the Velocity section of Silver Peak's website.
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