How to Deploy a NextGen F-Series Vx OVA on VMware Hypervisors

https://campus.barracuda.com/doc/53248443/

> If you are deploying the Barracuda NextGen Firewall F-Series Vx in a high performance environment or require support for VLANs, do not deploy using the OVA packages. Instead, create a custom configuration using F-Series Install. For more information, see How to Deploy a NextGen F-Series Vx using F-Series Install on a VMware Hypervisor.

To ease deployment, the Barracuda NextGen Firewall F-Series Vx units are available as prebuilt OVA images that can be imported into your VMware hypervisor. You do not need to create or configure a virtual machine (VM). Before deploying the Barracuda NextGen Firewall F-Series Vx unit, verify that the host system meets the minimum storage requirements and review the resource recommendations for the production system. You can deploy the Barracuda NextGen Firewall F-Series Vx unit using either the VMware vSphere Client or the VMware OVF Tool (ovftool).
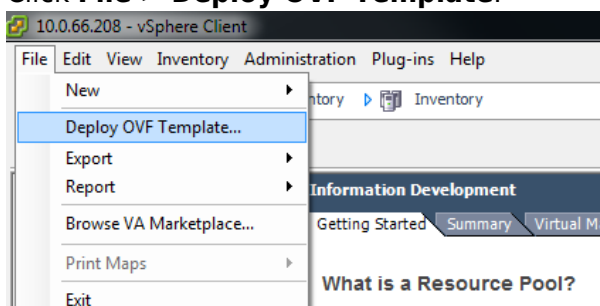
Before You Begin

- For information regarding the sizing of your CPU, disk, and RAM, see Virtual Systems (Vx).
- Before you start the Barracuda NextGen Firewall F-Series Vx for the first time, assign a manual MAC address to the first virtual network interface. This lets you move the VM later without invalidating your license. For more information, see Best Practice - Performance Tuning on VMware Hypervisors.
- Download the VMware OVA image from the Barracuda Download Portal.
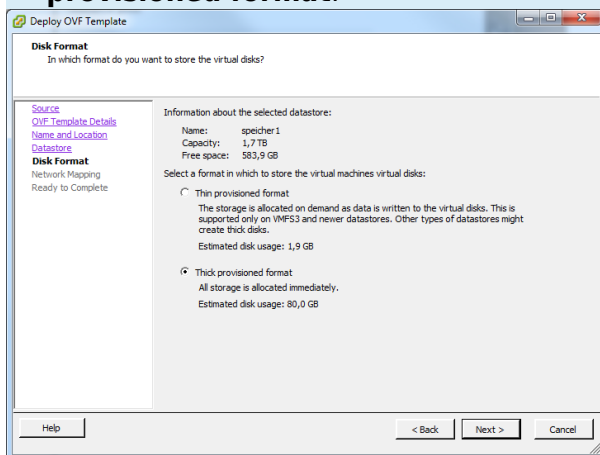
Use the VMware vSphere Client

Step 1. Download and Import the OVA Image

1. Download the OVA image for your NextGen Firewall F-Series or NextGen Control Center from your Barracuda Networks Account.
2. Connect to your VMware hypervisor using the vSphere client.
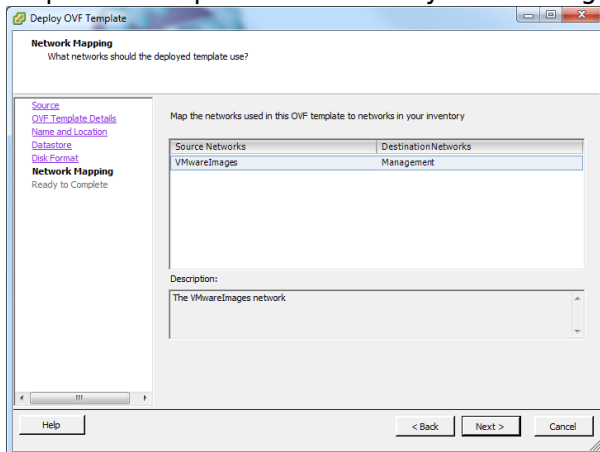3. Click **File > Deploy OVF Template**.

4. In the deployment wizard, click **Browse** and select the OVA image. Click **Next** to proceed.
5. Enter a name for the virtual machine to be created. Click **Next** to proceed.
6. Select the datastore that the Barracuda NextGen Firewall F-Series Vx unit should be installed on.

> When you import an OVA file with VMware 4.1 and later, you are offered the
> **Thin provisioned format** setting that lets you change the VM size. If you choose to
> reduce the VM size, do not choose a value below 50 GB for VFxxx or a value below 100
> GB for VC400, VC610, or VC820. Barracuda Networks recommends that you select **Thick
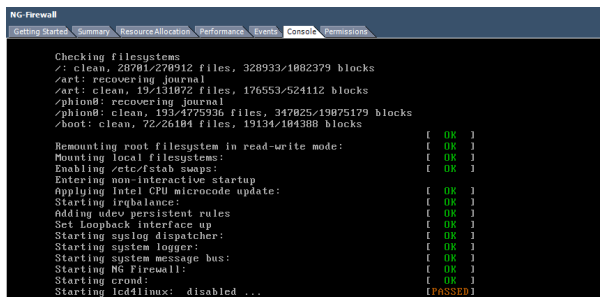> provisioned format**.

7. Map to the required network in your existing inventory and then click **Next** to proceed.
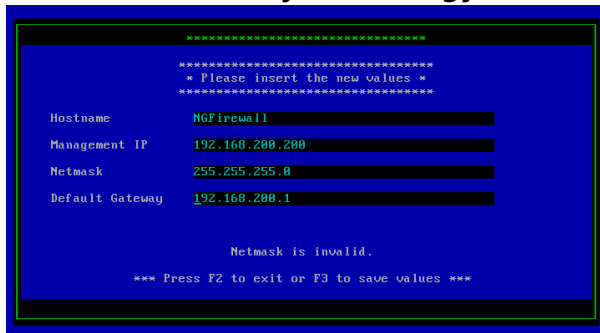

8. After the deployment wizard summarizes all your settings, click **Finish** to start the deployment process. After successful deployment, the Barracuda NextGen Firewall F-Series Vx unit is displayed in your VMware hypervisor inventory list.
9. Select the Barracuda NextGen Firewall F-Series Vx unit from the list on the left and edit settings such as **Disk Provisioning** with appropriate values.

Step 2. Set the Management IP Address

1. Start the VM and click the **Console** tab of the virtual machine.
The Barracuda NextGen Firewall F-Series Vx unit boots.

For a basic network configuration, the Barracuda NextGen Firewall F-Series Vx unit launches the **Active Recovery Technology** menu.

2. Select **Basic Configuration**, enter the following network settings, and then press **F3** to save your changes:
   - **Hostname** – The desired hostname for your Barracuda NextGen Firewall F-Series Vx unit.
   - **Management IP** – The IP address that your Barracuda NextGen Firewall F-Series Vx unit should be reachable through.
   - **Netmask** – The subnet mask in dotted quad notation. For example, `255.255.255.0`.
   - **Default Gateway** – The IP address of the next hop device that serves as an access point to another network.
3. When the window opens to announce that your configuration changes were saved, press any key to continue.
4. Select **Reboot** to restart the Barracuda NextGen Firewall F-Series Vx unit with the new network configuration.

Use the VMware OVF Tool

1. Download the VMware OVF Tool from [vmware.com](). Use the following command:
   `ovftool -datastore=datastorename ovaimage vi://server-ip`
   where:
   - `datastore` – The name for the data store.
   - `ovaimage` – The path and name of the OVA file.
   - `server-ip` – The IP address for the virtual appliance.
2. Configure the resources pool and the network mapping within the VMware virtual machine settings.
3. Using Barracuda NextGen Admin, connect to the virtual appliance for configuration.

Use the latest version of Barracuda NextGen Admin. If you configure the Barracuda NextGen Firewall F-Series with a version of Barracuda NextGen Admin that is older than the firewall version, you might lose configuration data.

Next Step

After you deploy the Barracuda NextGen Firewall F-Series Vx unit, continue with Getting Started and optionally Best Practice - Performance Tuning on VMware Hypervisors.

Figures

1. Deploy_Template.png
2. Disk_Format.png
3. Network_Mapping.png
4. virtual-boot.png
5. ART_Console.png