

How to Deploy a NextGen F-Series Vx on Hyper-V

<https://campus.barracuda.com/doc/48203063/>

The Barracuda NextGen Firewall F-Series Vx is available as a virtual machine for your Microsoft Hyper-V hypervisor.

Before deploying the Barracuda NextGen Firewall F-Series Vx, verify that the host system meets the minimum storage requirements and review the resource recommendations for the production system.

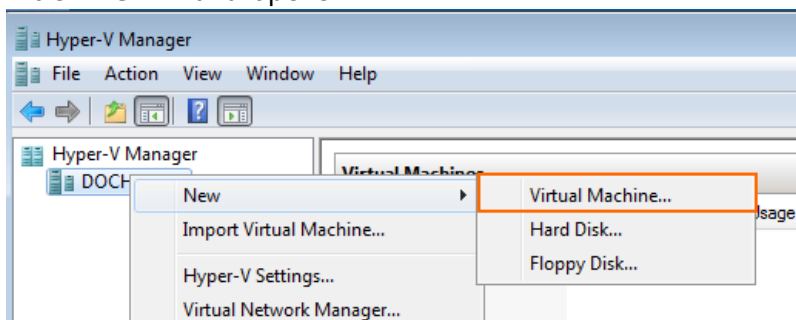
Before you begin

- For information regarding the sizing of your CPU, disk, and RAM, see [Virtual Systems \(Vx\)](#).
- Download the Barracuda NextGen Firewall F-Series Vx VHD virtual disk image from the [Barracuda Download Portal](#).
- Copy the VHD virtual disk image to the Microsoft Hyper-V server.
- Make sure the Hyper-V virtual machine uses a static MAC address.

Step 1. Create a new Virtual Machine

Create a virtual machine using the sizing recommendations for your model of the Barracuda NextGen Firewall F-Series Vx.

1. Launch Hyper-V Manager.
2. Right click on your Hyper V server and select **New > Virtual Machine**. The **New Virtual Machine Wizard** opens.



3. Enter the **Name**. E.g., Barracuda NextGen Firewall F-Series Vx
4. Click **Next**.

| | |
|----------------------------------|---|
| Before You Begin | Choose a name and location for this virtual machine. |
| Specify Name and Location | The name is displayed in Hyper-V Manager. We recommend that you use a name that helps you easily identify this virtual machine, such as the name of the guest operating system or workload. |
| Assign Memory | Name: <input type="text" value="Barracuda NG Vx"/> |
| Configure Networking | You can create a folder or use an existing folder to store the virtual machine. If you don't select a folder, the virtual machine is stored in the default folder configured for this server. |
| Connect Virtual Hard Disk | <input type="checkbox"/> Store the virtual machine in a different location |
| Installation Options | Location: <input type="text" value="C:\ProgramData\Microsoft\Windows\Hyper-V"/> <input type="button" value="Browse..."/> |
| Summary | ! If you plan to take snapshots of this virtual machine, select a location that has enough free space. Snapshots include virtual machine data and may require a large amount of space. |

5. Enter the amount of **memory** in MB. E.g., 2048

6. Click **Next**.

| | |
|---------------------------|--|
| Before You Begin | Specify the amount of memory to allocate to this virtual machine. You can specify an amount from 8 MB through 1048576 MB. To improve performance, specify more than the minimum amount recommended for the operating system. |
| Specify Name and Location | Memory: <input type="text" value="2048"/> MB |
| Assign Memory | i When you decide how much memory to assign to a virtual machine, consider how you intend to use the virtual machine and the operating system that it will run. |
| Configure Networking | More about determining the memory to assign to a virtual machine |
| Connect Virtual Hard Disk | |
| Installation Options | |
| Summary | |

7. Select the virtual network from the **Connection** drop down.

8. Click **Next**.

| | |
|-----------------------------|---|
| Before You Begin | Each new virtual machine includes a network adapter. You can configure the network adapter to use a virtual network, or it can remain disconnected. |
| Specify Name and Location | Connection: <input type="text" value="extNetwork"/> |
| Assign Memory | More about configuring network adapters |
| Configure Networking | |
| Connect Virtual Hard Disk | |
| Installation Options | |
| Summary | |

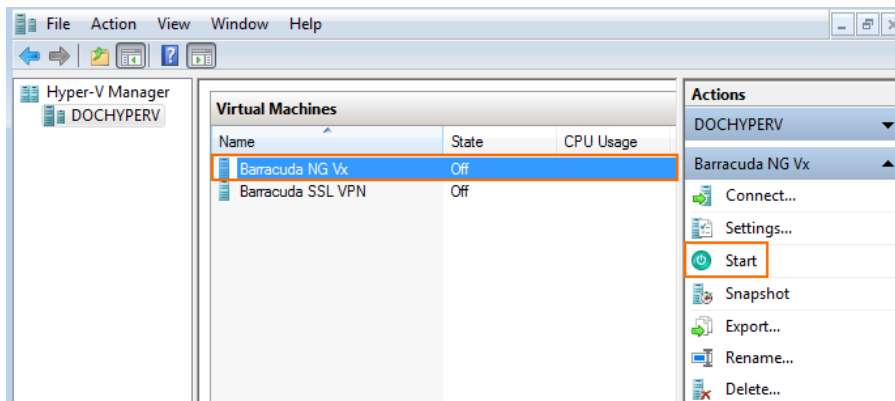
9. Select **Use an existing virtual disk** and enter the **Location** of the VHD file.

10. Click **Next**.

| | |
|----------------------------------|--|
| Before You Begin | A virtual machine requires storage so that you can install an operating system. You can specify the storage now or configure it later by modifying the virtual machine's properties. |
| Specify Name and Location | <input type="radio"/> Create a virtual hard disk |
| Assign Memory | Name: <input type="text" value="Barracuda NG Vx.vhd"/> |
| Configure Networking | Location: <input type="text" value="C:\Users\Public\Documents\Hyper-V\Virtual Hard Disks\"/> <input type="button" value="Browse..."/> |
| Connect Virtual Hard Disk | Size: <input type="text" value="127"/> GB (Maximum: 2040 GB) |
| Summary | <input checked="" type="radio"/> Use an existing virtual hard disk |
| | Location: <input type="text" value="C:\Virtual Hard Disks\BarracudaNGFirewall.vhd"/> <input type="button" value="Browse..."/> |
| | <input type="radio"/> Attach a virtual hard disk later |

11. Review the Summary and click **Finish**.

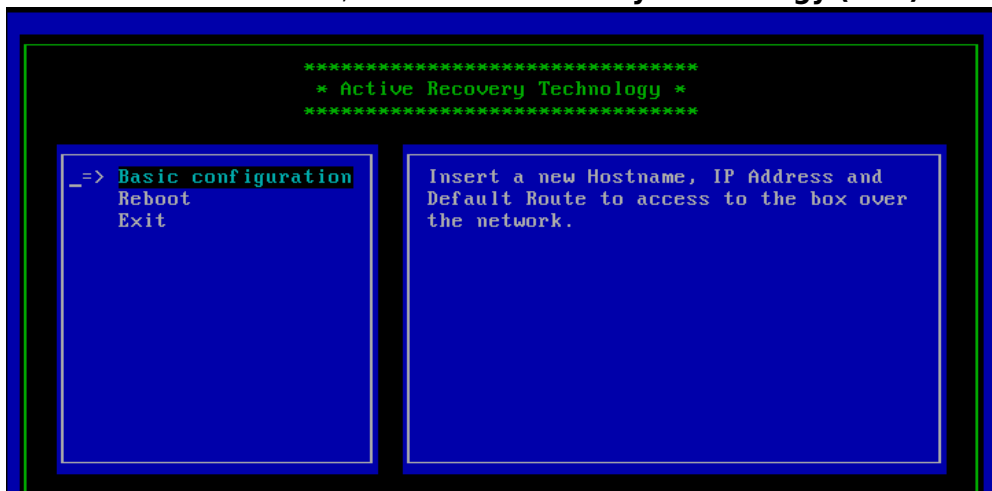
You can now launch the Barracuda NextGen Firewall F-Series Vx by selecting the virtual machine and clicking **Start** in the right pane.



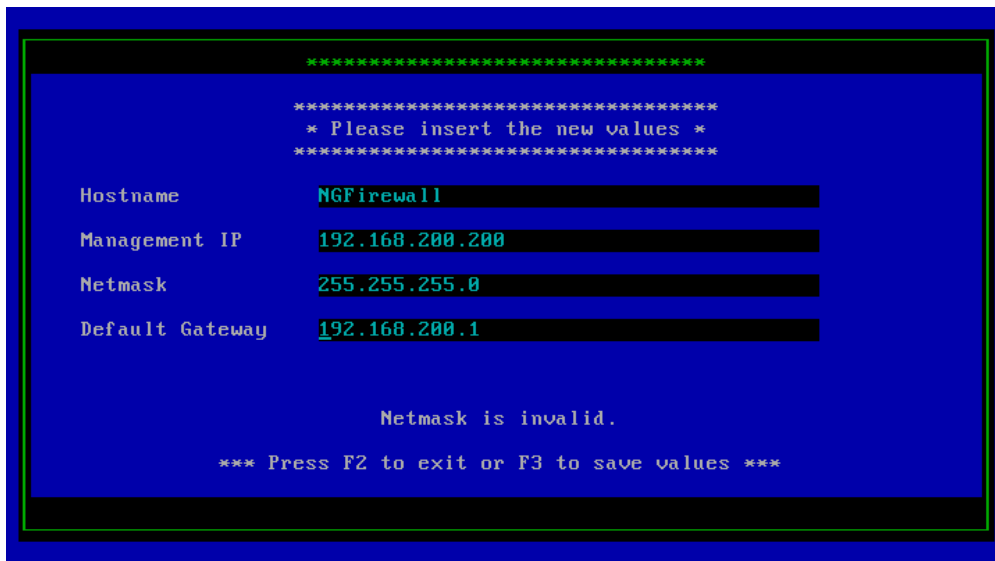
Step 2. Configure the Barracuda NextGen Firewall F-Series Vx on first boot

You need to connect to the console of the VM to enter the minimal network configuration.

1. Launch Hyper-V Manager.
2. In the **Virtual Machines** pane, double-click on the Barracuda NextGen Firewall F-Series Vx VM. The console of the virtual Barracuda NextGen Firewall F-Series Vx opens.
3. When the VM has started, the **Active Recovery Technology (ART)** menu is launched.



4. 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 internal IP address for your Barracuda NextGen Firewall F-Series Vx unit. This IP address must be reachable from your PC. E.g., 192.168.200.200
 - **Netmask** – The subnet mask. E.g., 255.255.255.0
 - **Default Gateway** – The IP address of the next hop device that serves as and access point to another network. E.g., 192.168.200.1



5. Press **F3** to save the configuration.
6. Select **Reboot**. The Barracuda NextGen Firewall F-Series Vx will restart with the new network configuration.

Next step

After you deploy the Barracuda NextGen Firewall F-Series Vx unit, continue with [Getting Started](#).

Figures

1. hyperV00.png
2. hyperV01.png
3. hyperV02.png
4. hyperV03.png
5. hyperV04.png
6. hyperV05.png
7. art_01.png
8. art_02.png

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