

This Quick Start Guide provides you with setup instructions for the Barracuda NG Firewall Vx virtual machine (VM). Barracuda Networks recommends reading these instructions fully before you start the setup. For additional information about advanced settings and instructions for using Barracuda NG Firewall, see the latest *Barracuda NG Firewall Administrator's Guide* available for download at www.barracuda.com/documentation.

For all issues concerning VMware, consult the documentation available at www.vmware.com.

Host System Storage Requirements [GB] to Unpack the OVA Files

		VMware <= 4.0	VMware => 4.1
• VF25, VF50, VF100, VF250, VF1000, VF2000, VF4000, VF8000:	80	50	
• VC400:		250	100
• VC610, VC820:		500	100

Production System Recommendations

	Storage [GB]	CPU Core/s	Memory [GB]
• VF25, VF50, VF100, VF250, VF1000	80	2	2
• VF2000:	80	4	2
• VF4000:	80	8	2
• VF8000:	80	16	2
• VC400:	250	2	2
• VC610:	500	4	4
• VC820:	500	4	8

Note: In case you move a Barracuda NG Firewall system to a different VM, ensure that the MAC addresses of the VM's NICs stay the same. It is recommended to configure static MAC addresses for all NICs within VMs.

It is important to use the latest version of Barracuda NG Admin. Performing configuration changes using a version of Barracuda NG Admin older than the Barracuda NG Firewall could result in loss of configuration data.

Method A: Deploy Using vSphere Client

1. Use the vSphere client to connect to the VMware server.

Note: Upon importing an OVA file, VMware 4.1 and later will offer you to select the Thin provisioned format allowing you to change the virtual machine's size. If you choose to reduce the size, please do not choose a value below 50 GB for VFxxx or a value below 100 GB for VC400, VC610 or VC820 virtual machines.

2. Choose **Deploy OVF Template...** from within the **File** menu and choose the *.ova file you wish to deploy and import it.
3. Continue to the target location and data store selection dialogs and fill them in as needed.
4. Select the destination network in the **Network Mapping** section.
5. Finish the configuration and deployment. Select the **Barracuda NG Firewall Vx** from the list on the left and edit settings such as **Disk Provisioning** with appropriate values.
6. Power on the virtual machine and change into the **Console** tab within vSphere. You will notice that the virtual appliance is booting. Wait until the **Active Recovery Technology** screen appears.
7. Within the **Active Recovery Technology** screen, choose the **Basic configuration** menu item using the arrow keys.
8. Fill-in the **Hostname**, **Management IP**, **Netmask** (dotted quad notation) and the **Default Gateway** fields and press **F3** to accept the values.

After these values have been entered, a script starts running on the virtual appliance. Please don't push any key on the keyboard until `Press Enter to continue` is displayed. When finished, ART informs you to press any key to return to the menu.

9. **Exit and Return.** After the virtual machine has booted, connect to it using Barracuda NG Admin.

Method B: Deploy Using ovftool

1. Download **ovftool** from www.vmware.com.
2. Use the following command:
`ovftool -datastore=<datastorename> <ovaimage> vi://<server-ip>`
wherein `datastore` is the name for the data store, `ovaimage` is path and name of the *.ova file and `server-ip` is the IP address for the virtual appliance.
3. Configure the resources pool and the network mapping within the VMware virtual machine settings.
4. Connect to the virtual appliance using Barracuda NG Admin in order to configure it.

Apply the License

1. Connect to your configured Barracuda NG Firewall virtual machine using Barracuda NG Admin. The default credentials are Log-in name: root · Password ngf1r3wall

Note: The default root password remains always active until a valid license is applied.

2. Do NOT enter the license token at this point. Product type and hardware model must be set before.
3. Go to **Config > Full Config > Box Properties** and set the appropriate **Product Type** and **Hardware Model** (e.g. VF25, VC400, ...).
4. For technical reasons, log off from the virtual machine at this point and log in to it again subsequently.
5. Enter the license token when prompted if auto activation is enabled or click on the link next to **Activation State** in the **Status** page.
6. Fill in the form, then click the **Activate** button to activate your newly entered license token.
7. The licenses will now be retrieved in a background process. They will be applied automatically as soon as the background download has finished.
You may increase the amount of virtual CPU cores for the VM after the licenses have been activated.

Change the Administrator Password

Don't forget to change the default password before using the virtual appliance in a production environment. Within Barracuda NG Admin, you can do this on the **Config > Administrative Settings** page.

Further Information

Please consult the following technical documents on further information concerning Barracuda NG Firewall:

- *Barracuda NG Firewall Release and Migration Notes* for your respective minor release version
- *Barracuda NG Firewall Migration Instructions* and the *Release Notes* for your respective major release version
- *Barracuda NG Firewall Administrator's Guide* for your respective release version
- *Barracuda NG Firewall CLI Guide*

All of these are downloadable at www.barracuda.com/documentation.