

XVF Quick-Install Guide

Objective

Document the typical information necessary to install Xangati XVF virtual appliances

General Items

The following items are required for virtual installations

- Xangati for vSphere OVF file and associated VMDK
 - ESX/ESXi 3.5, 4.x
 - 512Mhz CPU (1 vCPU)
 - 1GB RAM
 - 33GB Disk (3.5GB if Thin Provisioning is used)
 - Credentials to ESX Host (vSphere 3.5, 4.x or 5.x)
 - DHCP enabled on the Port Group Xangati will join
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OVF Import

1. Open the vSphere Client and select “File>Deploy OVF Import” to launch the OVF Import Wizard
 2. Use the “Browse” button to navigate to the location of the XVF OVF file and Hit “Next” to continue
 3. Confirm the OVF Template Details by pressing “Next”
 4. Select a Name and Location for the XVF virtual machine and press “Next”
 5. Select a datastore with sufficient capacity and press “Next”
 6. Select the disk format desired, press “Next” to accept the default
 7. Select the mapping for network interfaces. put Xangati eth0 into a promiscuous mode port group. See below for instructions on how to create one if you do not have one.
 8. Press “Next” after confirming the OVF install details
 9. The vSphere client will load the OVF. When done, the Xangati VM can be configured for initial power-on.
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Promiscuous Mode Port Group Setup

In order to display network traffic, the XVF utilizes a promiscuous mode port group to listen to the traffic on a vSwitch. Note that this does not change the security posture of any VM's or other port groups on the vSwitch. This must be performed on each vSwitch to be monitored.

1. Using the vSphere Client, highlight your host in the tree view of "Hosts and Clusters" and select the "Configuration" tab.
2. Select Networking and then click on the "Properties" for the vSwitch you wish to monitor
3. On the vSwitch Properties dialog box, select "Add" to add a port group
4. Select "Virtual Machine" and press "Next"
5. Give your port group a name such as "Xangati Monitor" and set the VLAN ID to 4095, and press "Next" to continue
6. Confirm the details and press "Finish" to create the port group.
7. After the Port group is complete, highlight your new port group and press "Edit"
8. Go to the "Security" tab, check the box for "Promiscuous Mode", and set the drop down to "Accept". Press "OK" to confirm.
9. Now that the port group is set up, we just need to put the Xangati eth0 interface into it. Close the vSwitch Properties dialog box and navigate to the XVF virtual machine in the "Hosts and Clusters" tree.
10. Right click on it and select "Edit Settings"
11. Select "Network Adapter 1" and in the "Network Connection" drop down, select the "Xangati Monitor" port group, and press OK to confirm. Ensure the "Connected" and "Connected at Power On" boxes are checked.
12. Select any unused interfaces and un-check the boxes for "Connected" and "Connect at Power-On". If more than one interface is assigned to the same promiscuous mode port group, you will receive additional copies of the network traffic, inflating statistics.
13. Press "OK" to save your changes.
14. Power On the virtual appliance and open a console to the VM This may take 2 minutes or so.

Initial IP Configuration

1. Log in with as: **xanuser** password: **use.xangati**
2. Accept the SSL self-signed certificate warnings as the GUI launches
3. Log in as: **admin** password: **admin**
4. An installation wizard will launch that will allow you to configure Xangati. The free version of Xangati is designed to give you visibility into a single ESX or ESXi host, and it does not connect to vCenter. It is license limited to resolve 10 IP addresses into Xangati “identity” names. For a more distributed installation, more functionality, or more IP address resolution support please contact support@xangati.com.
5. Enter your email address to generate a login to the Xangati support portal.
6. Select “Assign using DHCP” or “Enter Static IP” as appropriate from the drop down Appliance IP Address option. If using Static IP, enter the appropriate information.
7. Set new Time/Date/Timezone by selecting the “Change Date/Time” button. (The dialog box that appears to edit day/time settings may appear in the upper left corner of the console. If you don’t see it at first, scroll the console window to make sure you see the whole window.)
8. Enter appropriate day/time/timezone and desired NTP configuration.
9. Select “Yes” to apply the new network and time/date settings.
10. The system will process for several minutes and then reboot.

Install Wizard

1. Browse to the IP address that has been assigned to the Xangati Appliance and accept any SSL warnings to continue.
2. The Xangati Management Dashboard page will appear. Select the top “>Log In” yellow-ish button to launch the user interface & accept any additional SSL warnings to continue.
3. Login as: **admin** and use a password of: **admin**
4. Change the default password to continue
5. Enter IP address and login credentials for the local ESX/ESXi host. Remember, the free version of Xangati for vSphere does NOT include the ability to connect to vCenter. E.g. your login name may be root and not administrator... Select “Test” button to confirm successful connection before continuing.
6. Define network segment(s) that you want to monitor and resolve with Xangati in the “My Network” wizard. Use the suggest button if desired. Press “Next” to continue.
7. The default “Feed type” is to listen to the local ESX server. Ensure the capture interface is set to the match what you configured when making a promiscuous mode port group. Press “Next” to continue.

8. Review the installation parameters and press “Finish” to complete the install. The system will complete its setup tasks in 2-3 minutes. when it is done it will offer to launch the UI for the first time.

First Launch of the Management User Interface

1. Login using the admin credentials you modified in the last section.
2. When the UI opens, open the Setup Menu>Discovery and Mapping>IP Addresses/Identities
3. Check the box for DNS and press the yellow “Configure” button
4. Enter your DNS server. This will allow the dashboard to resolve IP addresses into host names. Press “OK” when done.
5. Scroll down to “Outside My Network” and check the “DNS” box. You will not need to configure it unless this uses a separate server from your internal DNS.
6. Press Finish to apply the change and return to the UI.

Congratulations! You have installed the XVF. If you followed the steps, and have traffic on the host, you should see charts and graphs displaying data. It may take 3-5 minutes for all graphs to fully populate, so be patient and you'll have full visibility shortly!

There's lots more than what you initially see, so have fun exploring, and check out further training videos at:

<http://www.youtube.com/user/xangati>