



FortiDeceptor VM - Install Guide for VMware

Version 6.2.0

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FortiDeceptor VM 6.2.0 Install Guide for VMware

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Change Log

Date	Change Description
2025-10-03	Initial release.

About FortiDeceptor VM on VMware

FortiDeceptor VM is a 64-bit virtual appliance version of FortiDeceptor. It is deployed in a virtual machine environment. Once the virtual appliance is deployed and set up, you can manage FortiDeceptor VM via its GUI in a web browser on your management computer.

This includes how to configure the virtual hardware settings of the virtual appliance. This guide presumes that the reader has a thorough understanding of virtualization servers.

This document does not cover configuration and operation of the virtual appliance after it has been successfully installed and started. For that information, see the *FortiDeceptor Administration Guide* in the [Fortinet Document Library](#).

Licensing

Fortinet offers the FortiDeceptor VM in a stackable license model. This model allows you to expand your VM solution as your environment expands. For information on purchasing a FortiDeceptor VM license, contact your Fortinet Authorized Reseller, or visit https://www.fortinet.com/how_to_buy/.



* Fortinet recommends that the number of virtual CPUs is two plus the number of Deception VMs when each Deception VM requires 2vCPU.

** Fortinet recommends that the size of virtual memory is 4GB plus 2GB for every Deception VM clone.

In addition, please adjust the requirements above if a custom decoy uses more than the default (2 vCPU/2G RAM).

*** Fortinet recommends that the size of virtual storage is 1TB for production environment.

For more information, see the FortiDeceptor product data sheet available on the Fortinet web site, <https://www.fortinet.com/content/dam/fortinet/assets/data-sheets/FortiDeceptor.pdf>.

After placing an order for FortiDeceptor VM, a license registration code is sent to the email address used in the order form. Use the license registration code provided to register the FortiDeceptor VM with Customer Service & Support at <https://support.fortinet.com>.

Upon registration, you can download the license file. You will need this file to activate your FortiDeceptor VM. You can configure basic network settings from the CLI to complete the deployment. Once the license file is uploaded and validated, the CLI and GUI will be fully functional.

Preparing for deployment

You can prepare for deployment by reviewing the following information:

- [Minimum system requirements on page 6](#)
- [Registering your FortiDeceptor VM on page 7](#)
- [Deployment package for VMware on page 8](#)
- [Downloading deployment packages on page 8](#)

Minimum system requirements

Prior to deploying the FortiDeceptor VM virtual appliance, VMware vSphere Hypervisor must be installed and configured.

The installation instructions for FortiDeceptor VM assume you are familiar with your VM server and terminology.



Upgrade to the latest, stable update and patch release for your virtual environment.



FortiDeceptor VM has specific CPU requirements: Intel Virtualization Technology (VT-x/EPT) or AMD Virtualization (AMD-V/RVI).
Enter the BIOS to enable Virtualization Technology and 64-bit support.
Detailed information can be found at <https://communities.vmware.com/docs/DOC-8970>.

Ensure the following prerequisites are met before installing FortiDeceptor VM:

- The VMware vSphere ESXi hypervisor software must be installed and configured.
 - ESXi version 7.0: Hardware version 19
 - ESXi version 5.1: Hardware version 9
 - ESXi version 5.5: Hardware version 9 or 10
 - ESXi version 6.0, 6.5, and 6.7: Hardware version 9, 10, or 11
- The VMware vSphere client is installed on the management computer.

CPU, network, memory and storage

Technical Specification	Details
Hypervisor Support	VMware ESXi version 5.1, 5.5, or 6.0 and later

Technical Specification	Details
Virtual CPUs (min / max)	12 / Unlimited*
Virtual Network Interfaces	6
Virtual Memory (min / max)	16GB / Unlimited
Virtual Storage (min / max)	HDD 500GB / 16TB



A minimum of 8GB of memory and two CPUs are required for the VM. Fortinet recommends that the number of CPU cores be four more than the number of Deception VMs, and 3GB of RAM per Deception VM.

Registering your FortiDeceptor VM

To obtain the FortiDeceptor VM license file, you must first register your FortiDeceptor VM with [Fortinet Customer Service & Support](#).

To register your FortiDeceptor VM:

1. Log into the Fortinet Customer Service & Support portal using an existing support account, or select *Create an Account* to create a new account.
2. In the toolbar, select *Asset > Register/Renew*. The *Registration Wizard* opens.
3. Enter the registration code from the FortiDeceptor VM License Certificate that was emailed to you, then select *Next*. The *Registration Info* page is displayed.
4. Enter your support contract number, product description, Fortinet Partner, and IP address in the requisite fields, then select *Next*.



As a part of the license validation process, FortiDeceptor VM compares its IP address with the IP information in the license file. If a new license has been imported or the FortiDeceptor VM's IP address has been changed, the FortiDeceptor VM must be rebooted in order for the system to validate the change and operate with a valid license.



The [Customer Service & Support](#) portal currently does not support IPv6 for FortiDeceptor VM license validation. You must specify an IPv4 address in both the support portal and the port management interface.

5. On the *Fortinet Product Registration Agreement* page, select the check box to indicate that you have read, understood, and accepted the service contract, then select *Next* to continue to the *Verification* page.
6. The verification page displays the product entitlement. Select the check box to indicate that you accept the terms then select *Confirm* to submit the request.
7. From the *Registration Completed* page, you can download the FortiDeceptor VM license file, select *Register More* to register another FortiDeceptor VM, or select *Finish* to complete the registration process.

Select *License File Download* to save the license file (.lic) to your management computer. For instructions on uploading the license file to your FortiDeceptor VM via the GUI, see [Uploading the license file on page 20](#).

Editing FortiDeceptor VM IP addresses

To edit the FortiDeceptor VM IP address:

1. In the toolbar, select *Asset > Manage/View Products* to open the *View Products* page.
2. Select the FortiDeceptor VM serial number to open the *Product Details* page.
3. Click *Edit* to change the description, partner information, and IP address of your FortiDeceptor VM from the *Edit Product Info* page.
4. Enter the new IP address, then select *Save*.



You can change the IP address five (5) times on a regular FortiDeceptor VM license. There is no restriction on a full evaluation license.

5. Select *License File Download* to save the license file (.lic) to your management computer. For instructions on uploading the license file to your FortiDeceptor VM via the GUI, see [Uploading the license file on page 20](#).

Deployment package for VMware

FortiDeceptor VM deployment packages are included with firmware images on the [Customer Service & Support site](#).

- FDC_VM-v400-build0xxx-FORTINET.out: Download this firmware image to upgrade your existing FortiDeceptor VM installation.
- FDC_VM-v400-build0xxx-FORTINET.out.ovf.zip: Download this package for a new FortiDeceptor VM installation on ESXi server.

The .out.ovf.zip file contains:

- fdc.vmdk: The FortiDeceptor VM system hard disk in Virtual Machine Disk (VMDK) format.
- FortiDeceptor-VM.ovf: The VMware virtual hardware configuration file.
- DATADRIVE.vmdk: The FortiDeceptor VM log disk in VMDK format

Downloading deployment packages

Firmware images FTP directories are organized by firmware version, major release, and patch release. The firmware images in the directories follow a specific naming convention, and each firmware image is specific to

the device model.



You can download the *FortiDeceptor Release Notes* and FortiDeceptor and Fortinet core MIB files from this directory.



Download the .out file to upgrade your existing FortiDeceptor VM installation.

To download the firmware package:

1. Log in to the Fortinet Customer Service & Support portal at <https://support.fortinet.com>.
2. From the toolbar, select *Download > Firmware Images* to open the *Firmware Images* page.
3. Select *FortiDeceptor* from the *Select Product* dropdown list, then select *Download*.
4. Browse to the directory for the version that you want to download.
5. Download the firmware image and release notes to your management computer.
6. Extract the contents of the package to a new folder on you management computer.

Deployment

Before deploying FortiDeceptor VM, install and configure the VM platform so that it is ready to create virtual machines. The installation instructions for FortiDeceptor VM assume that you are familiar with the management software and terminology of your VM platform.

You might also need to refer to the documentation provided with your VM server. The deployment information in this guide is provided as an example since you can use different ways to create a virtual machine, such as using command line tools, APIs, or alternative graphical user interface tools.

Before starting your FortiDeceptor VM appliance for the first time, you might need to adjust virtual disk sizes, network settings, and CPU configuration. The first time you start FortiDeceptor VM, you only have access through the console window of your VM server environment. After you configure one network interface with an IP address and administrative access, you can access the FortiDeceptor VM GUI. For more information, see [Enabling GUI access on page 18](#).

Deploying FortiDeceptor VM on VMware

When you have downloaded the `FDC_VM-v3xx-build0xxx-FORTINET.out.ovf.zip` file and extracted the package contents to a folder on your management computer, you can deploy the OVF package to your VMware environment.

Before deploying the FortiDeceptor VM, ensure that the following are configured and functioning properly:

- VMware vSphere Hypervisor (ESX/ESXi) software must be installed on a server prior to installing FortiDeceptor VM. Go to <http://www.vmware.com/products/vsphere-hypervisor/index.html> for installation details.
- VMware vSphere Client must be installed on the computer that you will be using for managing the FortiDeceptor VM.

The following topics are included in this section:

- [Deploying the OVF file using ESXi web GUI](#)
- [Deploying the OVF file using VMware vSphere client](#)
- [Configuring hardware settings](#)
- [Powering on the virtual machine](#)

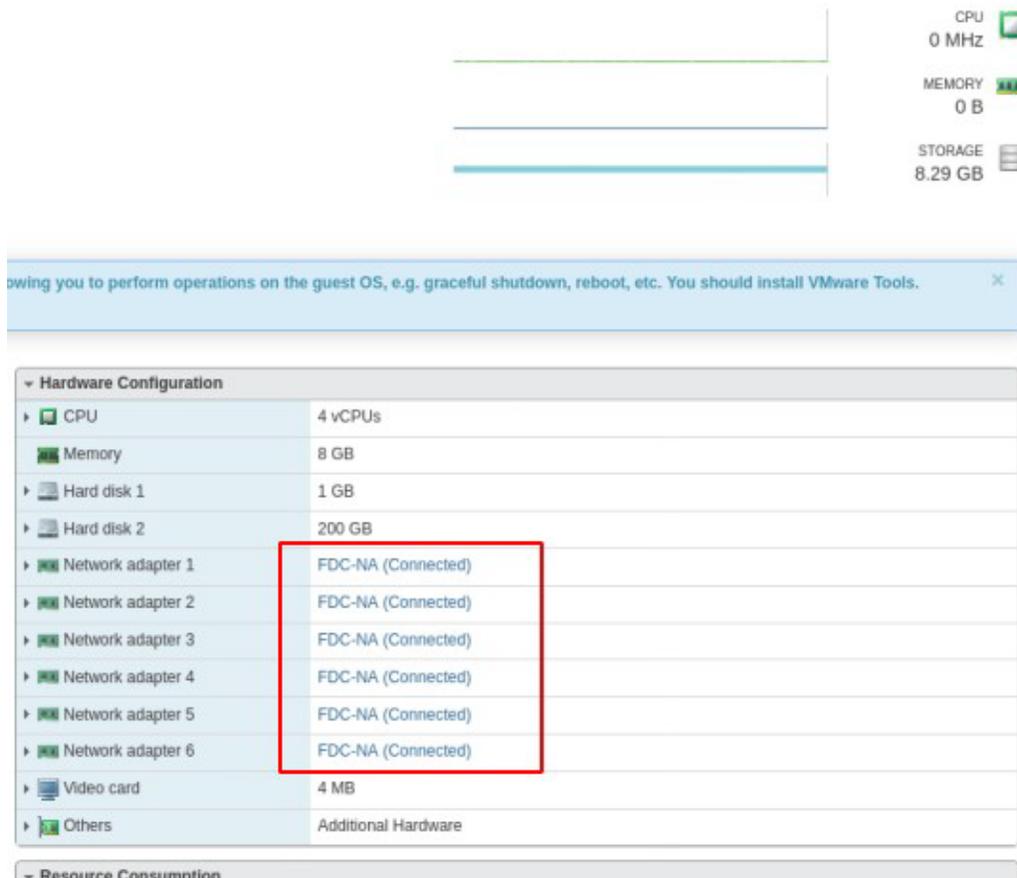
Deploying the OVF file using ESXi web GUI

To deploy the OVF file using ESXi web GUI:

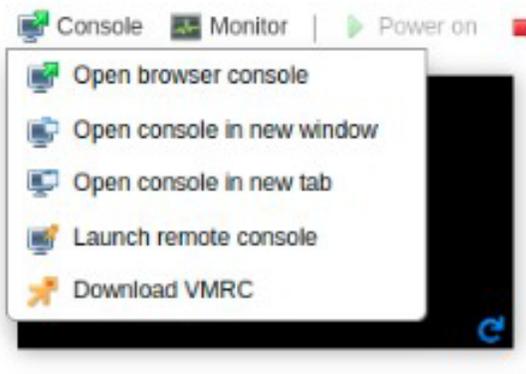
1. In a web browser, go to the URL or IP address of the vCenter server or host, and log in.
2. Click *Create/Register VM* to launch the wizard.



3. In the *Select creation type* dialog box, click *Deploy a virtual machine from an OVF or OVA file*. Click *Next*.
4. Enter a name for the VM and then select the OVF and VMDK files. Click *Next*.
5. Select the datastore. Click *Next*.
6. Read and accept the license agreements. Click *Next*.
7. Select one of the following:
 - *Thick Provision Lazy Zeroed*: Allocates the disk space statically (no other volumes can take the space), but does not write zeros to the blocks, until the first write takes place to that block during runtime (which includes a full disk format).
 - *Thick Provision Eager Zeroed*: Allocates the disk space statically (no other volumes can take the space), and writes zeros to all the blocks.
 - *Thin Provision*: Allocates the disk space only when a write occurs to a block, but the total volume size is reported by the Virtual Machine File System (VMFS) to the OS. Other volumes can take the remaining space. This allows you to float space between your servers, and expand your storage when your size monitoring indicates there is a problem. Note that once a Thin Provisioned block is allocated, it remains in the volume regardless of whether you have deleted data.
8. Finish creating the VM.
9. Go to the Dashboard and select the VM you created.
10. Select the network adapters you require.
To use sniffer mode, promiscuous mode must be enabled on a port.



11. Use the console to do basic configuration.

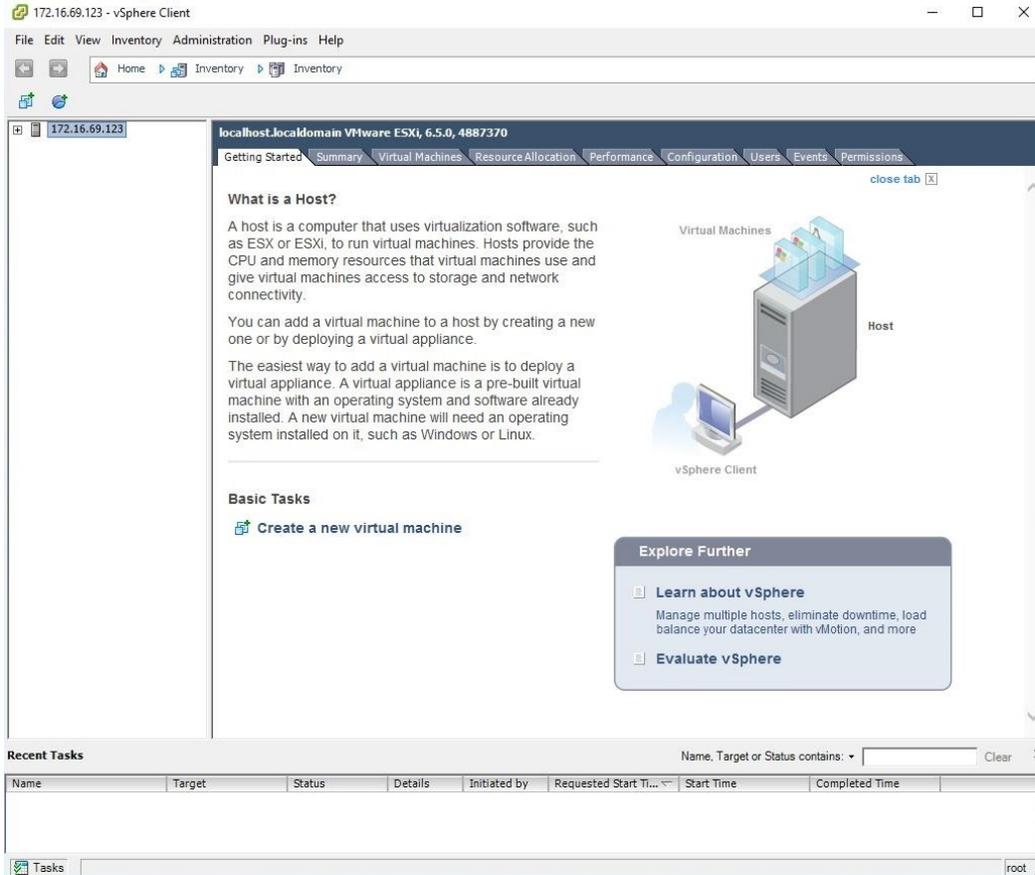


12. Complete the configuration following the instructions in [Configuring initial settings](#) on page 18.

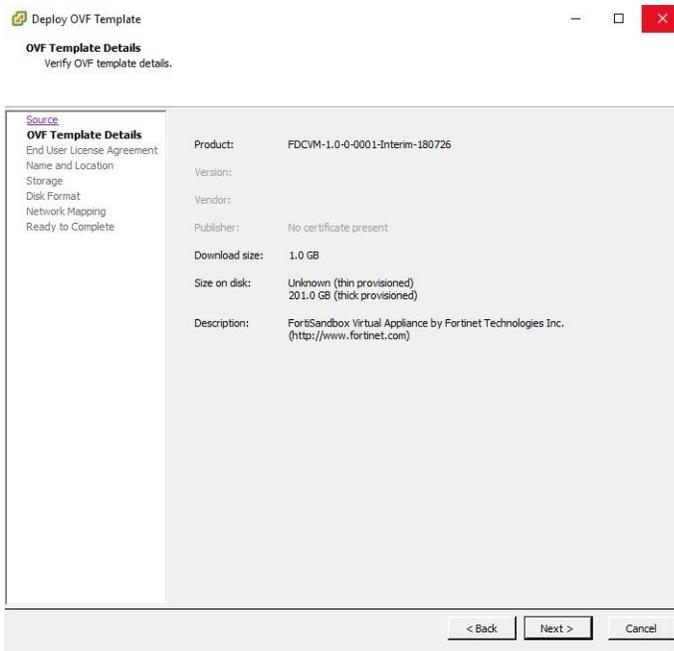
Deploying the OVF file using VMware vSphere client

To deploy the OVF file template:

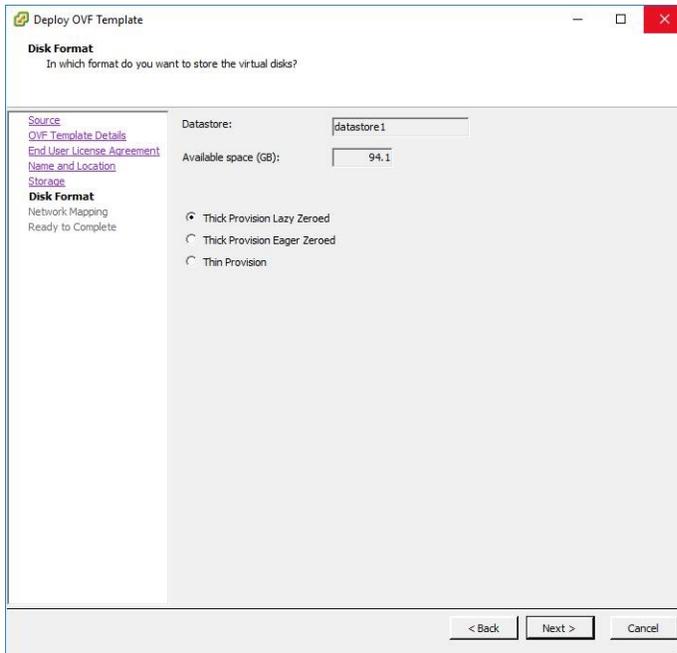
1. Launch the VMware vSphere client, enter the IP address or host name of your server, enter your user name and password, then select *Login*. The vSphere client home page opens.



2. Select *File > Deploy OVF Template* to launch the OVF Template wizard. The OVF Template *Source* page opens.
3. Click *Browse*, locate the OVF file on your computer, then select *Next* to continue. The OVF Template *Details* page opens.



4. Verify the OVF template details. This page details the product name, download size, size on disk, and description. Select *Next* to continue. The OVF Template *End User License Agreement* page opens.
5. Read the end user license agreement, then select *Accept* then *Next* to continue. The OVF Template *Name and Location* page opens.
6. Enter a name for this OVF template. The name can contain up to 80 characters, and it must be unique within the inventory folder. Click *Next* to continue. The OVF Template *Disk Format* page opens.

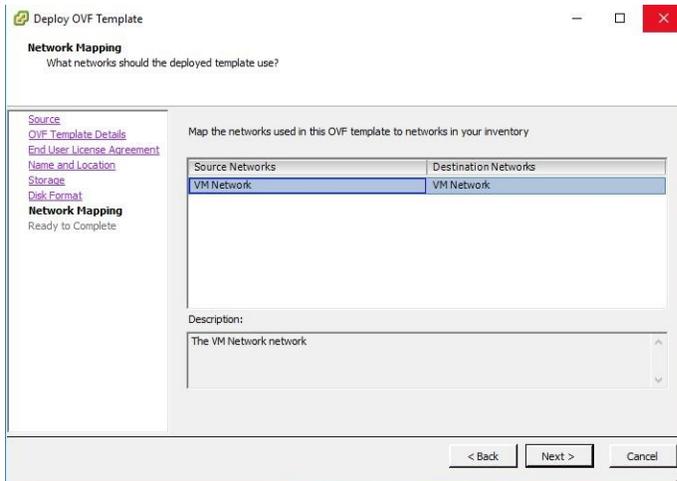


7. Select one of the following:
 - *Thick Provision Lazy Zeroed*: Allocates the disk space statically (no other volumes can take the space), but does not write zeros to the blocks, until the first write takes place to that block during runtime (which includes a full disk format).
 - *Thick Provision Eager Zeroed*: Allocates the disk space statically (no other volumes can take the space), and writes zeros to all the blocks.
 - *Thin Provision*: Allocates the disk space only when a write occurs to a block, but the total volume size is reported by the Virtual Machine File System (VMFS) to the OS. Other volumes can take the remaining space. This allows you to float space between your servers, and expand your storage when your size monitoring indicates there is a problem. Note that once a Thin Provisioned block is allocated, it remains in the volume regardless of whether you have deleted data.



If you know your environment will expand in the future, it is recommended to add hard disks larger than the 200GB FortiDeceptor VM license requirement and utilize Thin Provision when setting the OVF Template disk format. This will allow your environment to expand as required while not taking up more space in the SAN than is needed.

8. Select *Next* to continue. The OVF Template *Network Mapping* page opens.



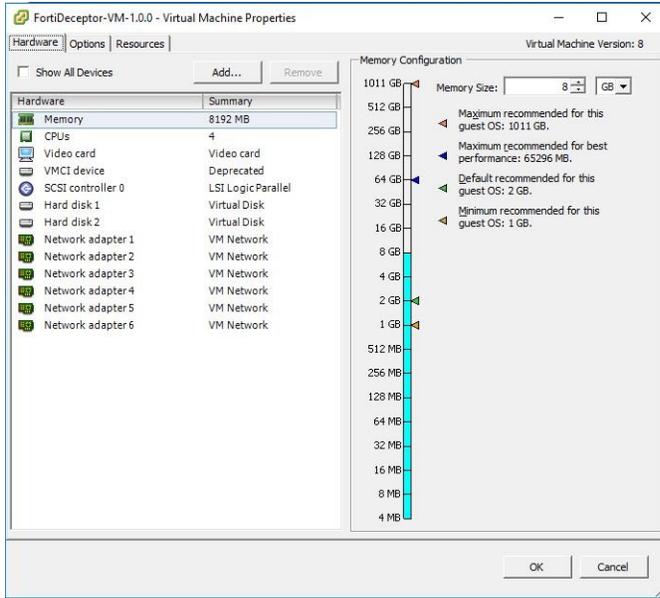
9. Map the networks used in this OVF template to networks in your inventory. Network 1 maps to port1 of the FortiDeceptor VM. You must set the destination network for this entry to access the device console. Select *Next* to continue. The OVF Template *Ready to Complete* page opens.
10. Review the template configuration. Ensure that *Power on after deployment* is not enabled. You need to configure the FortiDeceptor VM hardware settings prior to powering on the VM.
11. Select *Finish* to deploy the OVF template. A *Deployment Completed Successfully* dialog box is displayed once the FortiDeceptor VM OVF template wizard has finished.

Configuring hardware settings

Before powering on your FortiDeceptor VM, you must configure the virtual memory, virtual CPU, and virtual disk.

To configure hardware settings:

1. In the vSphere Client, right-click on the FortiDeceptor VM in the left pane, and select *Edit Settings* to open the *Virtual Machine Properties* window.
2. Select *Memory* from the *Hardware* list, then adjust the *Memory Size* as required. 2GB of RAM is the minimum requirement, however 3GB of RAM per Deception VM is recommended.

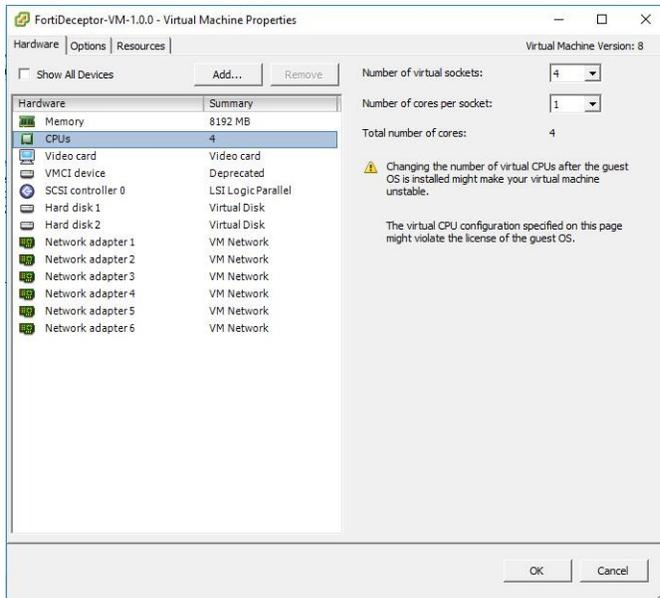


3. Select *CPUs* from the *Hardware* list, then adjust the *Number of virtual sockets* and *Number of cores per socket* as required.

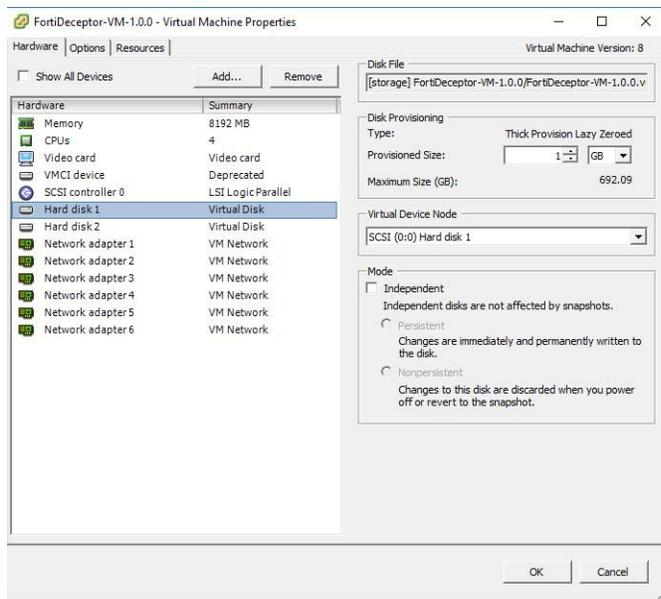


If you need to change the vCPUs after the initial boot, power off FortiDeceptor VM. For the whole configuration, FortiDeceptor requires:

- Twice the number of deception VMs
- Plus a minimum of 2 CPUs for the *Total number of cores*.



4. Select *Hard disk 2*, the data disk, from the *Hardware* list, and configure it as required. Fortinet recommends making the virtual disk 1TB or larger. *Hard disk 1* should not be edited.



- From the *Hardware* list, select a network adapter, then adjust the virtual network mapping as required by your network configuration. To use sniffer mode, promiscuous mode must be enabled on a port.



By default, six bridging virtual network adapters are created and automatically mapped to a port group on a virtual switch (vSwitch) in the virtual server. Each of the network adapters can be used by one of the six network interfaces in the FortiDeceptor VM. The default mappings are appropriate when each of the host's guest virtual machines have their own IP address on your network.

- Select *OK* to apply your changes.

Virtual Switch Configuration

The virtual switch requires the following configurations to be enabled:

- Promiscuous mode
- MAC address changes
- Forged transmits

For each network connection, we highly recommend creating a new virtual switch and enabling the configurations above.

Powering on the virtual machine

You can now proceed to power on your FortiDeceptor VM.

- In the left pane, select the FortiDeceptor VM, and select *Power on the virtual machine* in the *Getting Started* tab.
- Select the VM in the left pane, then select *Power On* in the toolbar.

- Right-click the VM in the left pane, then select *Power > Power On* from the right-click menu.

Configuring initial settings

Before you can connect to the FortiDeceptor VM, you must configure basic configuration via the CLI console. Once configured, you can connect to the FortiDeceptor VM GUI and upload the FortiDeceptor VM license file that you downloaded from the [Customer Service & Support](#) portal.

The following topics are included in this section:

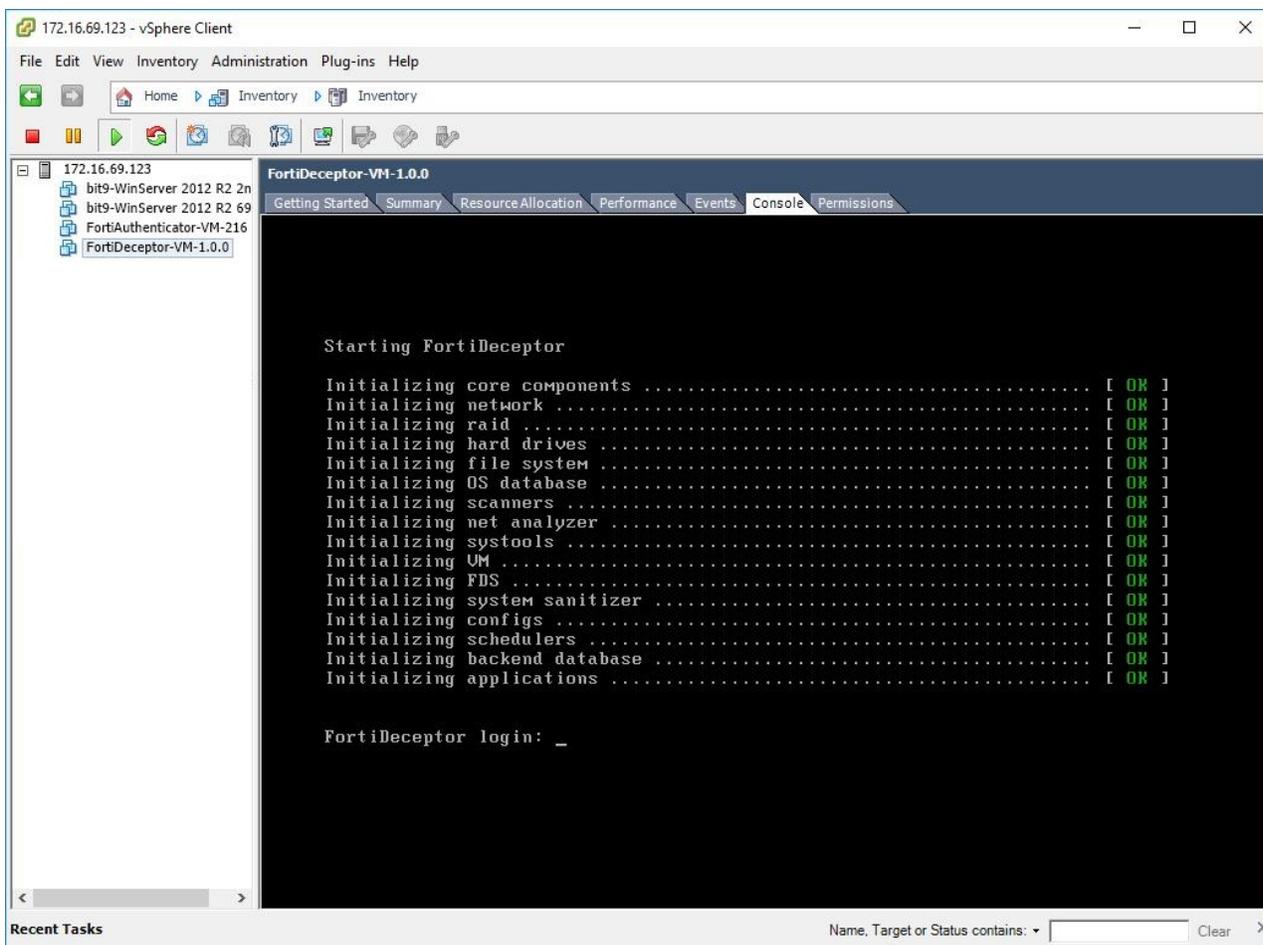
- [Enabling GUI access](#)
- [Connecting to the GUI](#)
- [Uploading the license file](#)
- [Installing the Windows VM package](#)
- [Activating Deception VMs](#)

Enabling GUI access

To enable GUI access to the FortiDeceptor VM, you must configure the port1 IP address and network mask of the FortiDeceptor VM.

To configure the port1 IP address and netmask:

1. In your hypervisor manager, start the FortiDeceptor VM and access the console window. You might need to press *Enter* to see the login prompt.



2. At the FortiDeceptor VM login prompt, enter the username *admin*, then press *Enter*. By default, there is no password.
3. Configure the port1 IP address and netmask by using the following command:
`set port1-ip <ip address>/<netmask>`
4. Configure the static route for the default gateway by using the following command:
`set default-gw <default gateway>`



The Customer Service & Support portal does not currently support IPv6 for FortiDeceptor VM license validation. You must specify an IPv4 address in both the support portal and the port management interface.

Connecting to the GUI

Once you have configured the port1 IP address and network mask, launch a web browser and enter the IP address you configured for the port management interface. By default the GUI is accessible via HTTPS. At the login page, enter the user name *admin* and no password, then select *Login*.

Uploading the license file

Before using the FortiDeceptor VM, you must enter the license file that you downloaded from the [Customer Service & Support](#) portal upon registration.

To upload the license file:

1. Log into the FortiDeceptor VM GUI, and find the *System Information* widget on the dashboard.
2. In the *VM License* field, select *Upload License*. The *VM License Upload* page opens.
3. Select *Browse*, locate the VM license file (.lic) on your computer, then select *OK* to upload the license file. A reboot message will be shown, then the FortiDeceptor VM system will reboot and load the license file.
4. Refresh your browser and log back into the FortiDeceptor VM (username *admin*, no password). The VM registration status appears as valid in the *System Information* widget once the license has been validated.



As a part of the license validation process, FortiDeceptor VM compares its IP address with the IP information in the license file. If a new license has been imported or the FortiDeceptor's IP address has been changed, the FortiDeceptor VM must be rebooted in order for the system to validate the change and operate with a valid license.



If the IP address in the license file and the IP address configured in the FortiDeceptor VM do not match, you will receive an error message when you log back into the VM.

If this occurs, you must change the IP address in the [Customer Service & Support](#) portal to match the management IP and re-download the license file. To change the management IP address, see [Editing FortiDeceptor VM IP addresses on page 8](#)

Install a FortiDeceptor VM edge client device

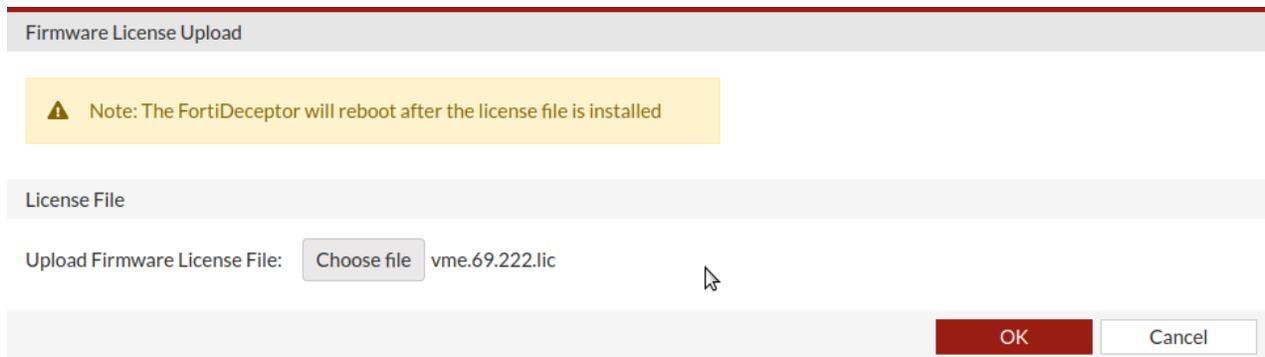
To add an edge device, you will need access to both the management and client devices.

Prerequisites:

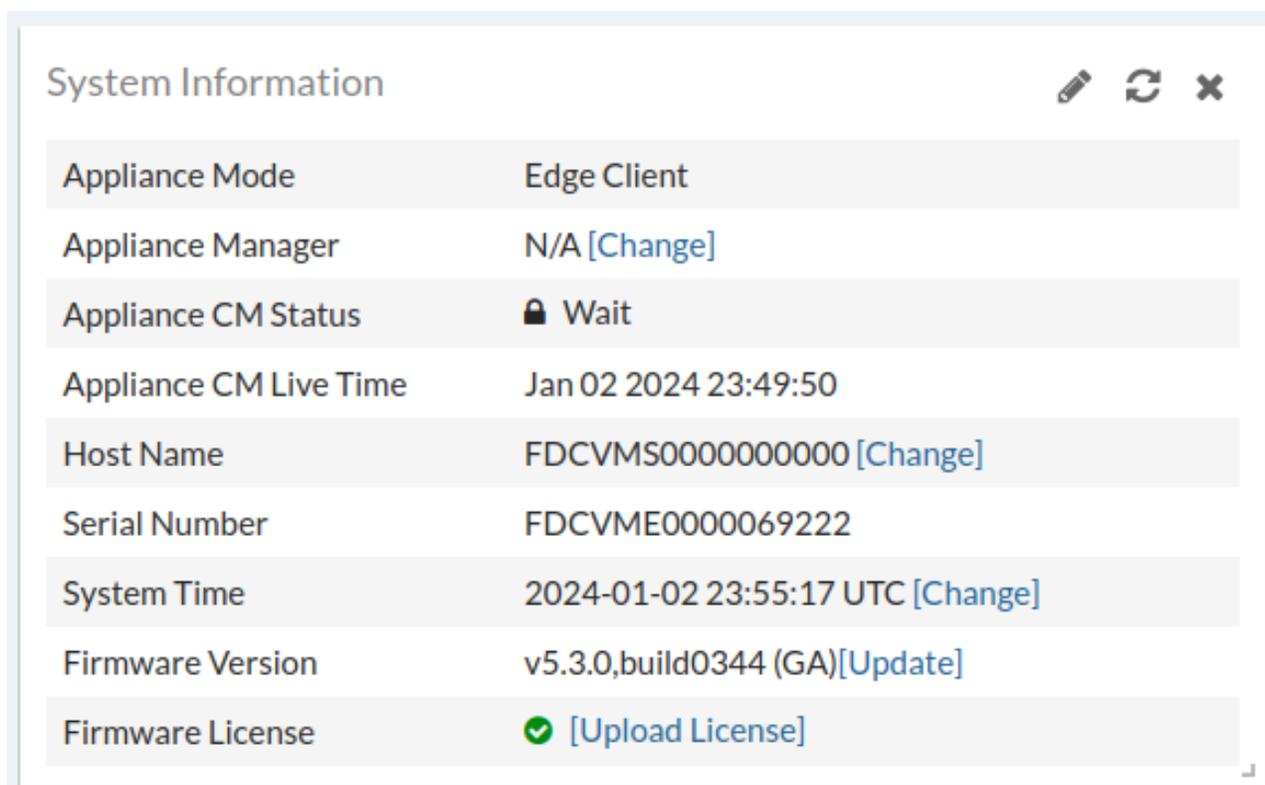
Ensure you have completed all of the configuration steps including creating a new admin password, and configuring the port1 IP and default gateway.

To install a FortiDeceptor VM VM edge client device:

1. Prepare the newly installed FortiDeceptor VM.
2. In FortiDeceptor VM, go to *Dashboard > System Information* widget. Locate *Firmware License* and click *Upload License*. The FortiDeceptor VM will reboot.



3. Log back into the FortiDeceptor VM and go to *Dashboard > System Information* widget and confirm *Appliance Mode* is *Edge Client*.



4. Log into the FortiDeceptor VM management device the new FortiDeceptor VM will connect to.
5. In the management device, go to *Central Management > Appliances*, and click *Edge Appliance Manager*. The *Add Edge Appliance Manager* dialog opens.
6. Configure the Edge appliance and click *Save*.

Interface	Select a port from the list.
Port	Enter the port. The default is 9443.
Auth Key	Copy the existing key or click <i>Generate new key</i> .

- Choose the *Interface* that the Edge client is going to access and copy the *Auth Key*.

Action	Interface ↑	Port	Auth Key	Live Tunnels
	port1	8448	7a375e6edab1f6f335f4d97ee0fea19a	1
	port2	8888	8ee9c722cc4b92660015117dac755748	0
	port3	9443	15a0d6525fc1c3413bd720a78f9740c8	0
	port8	9443	8d0d281df821663bc8be05c6c9d4e771	0

- On the Edge client device, configure the Edge client device using the port and the *Auth Key* from Step 7 and click *Save*.

Type	Select <i>Manager On Premise</i> .
IP/Domain	Enter the Manager IP or domain.
Port	Enter the port you configured in Step 6.
Auth Key	Enter the Auth Key from Step 6.

Appliance Manager Settings	
Type	<input checked="" type="radio"/> Manager On Premise <input type="radio"/> DaaS Cloud
IP/Domain	<input type="text" value="172.16.69.53"/>
Port	<input type="text" value="8448"/>
Auth Key	<input type="text" value="7a375e6edab1f6f335f4d97ee0fea19a"/>

- In the management device, go to *Central Management > Appliances* .Select the Edge client device and click *Approve*. After the management device approves the new client, the Edge device will log out.

Central Management Appliances													
Add Cloud Appliance		Edge Appliance Manager		+ Approve		Hold		Delete		Refresh		▶ Restart	
<input type="checkbox"/>	Action	SN ↑	IP ↑	Name ↑	Approval Status ↑	Live Status	Version ↑						
<input type="checkbox"/>					Approved	Online							
<input type="checkbox"/>					Approved	Offline							
<input type="checkbox"/>					Approved	Offline							
<input type="checkbox"/>		FDCVMETM2409...	172.16.69.222	Edge_FDCVME...	Approved	Online	v5.3.0.build0344 (GA)						

- After logging back into the Edge client device, in the Edge client, go to *Dashboard > System Information* widget. Locate *Appliance CM Status* to confirm the client is approved by the management device.

System Information ✎ ↻ ✕

Appliance Mode	Edge Client
Appliance Manager	172.16.69.53:8448 [Change]
Appliance CM Status	✔ Approved by FDC1KGT621000036(172.16.69.53)
Appliance CM Live Time	Jan 02 2024 23:59:46
Host Name	FDCVMS0000000000 [Change]
Serial Number	FDCVME0000069222
System Time	2024-01-02 23:59:51 UTC [Change]
Firmware Version	v5.3.0,build0344 (GA) [Update]
Firmware License	✔ [Upload License]
System Configuration	Last Backup: N/A [Backup/Restore]
Current User	admin
Uptime	0 day(s) 0 hour(s) 10 minute(s)
Traffic Tunnels	None

Installing the Windows VM package

To complete the installation, the VM package must be downloaded and installed either manually or automatically, and then activated.

For details, see the *Deploying FortiDeceptor in offline or air-gapped networks* section in the *FortiDeceptor Administration Guide* in the [Fortinet Document Library](#).

Activating Deception VMs

The Deception VMs must be activated before they can be used on the network.

To activate Deception VMs:

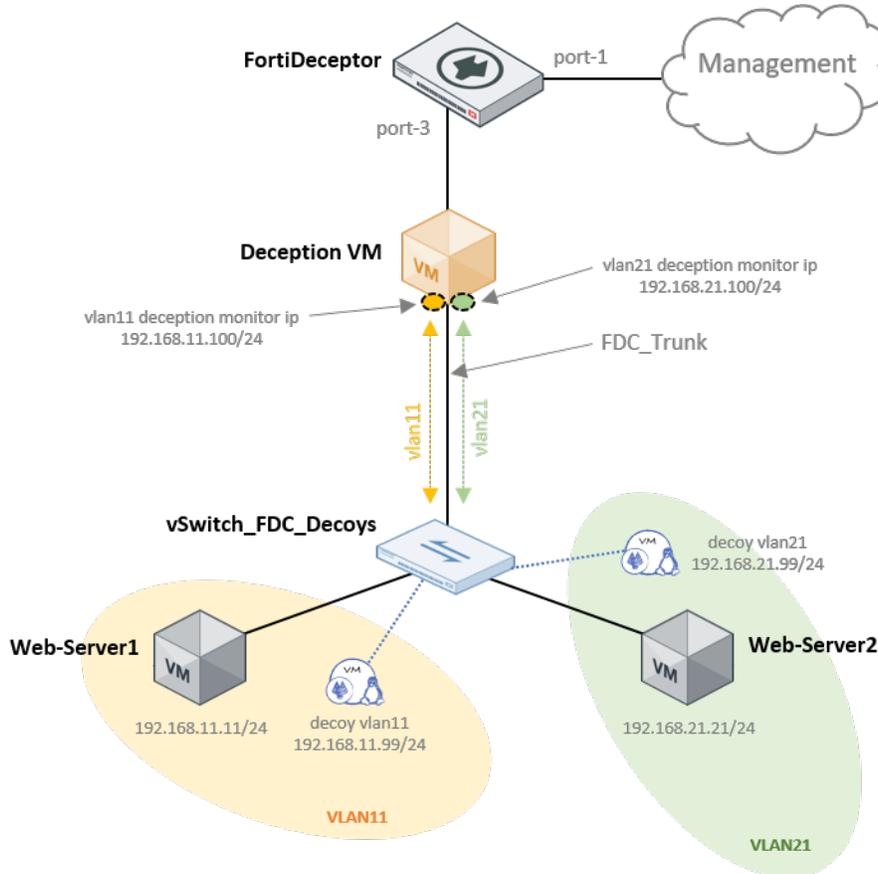
1. Download the Key license file from the [Fortinet Customer Service & Support](#) portal.
2. Log in to the FortiDeceptor VM GUI and find the *System Information* widget on the dashboard.
3. In the *Firmware License* field, select *Upload License*. The *Firmware License Upload* pane opens.
4. Browse to the license file on the management computer then click *Submit*. The Deception VM will reboot.

Once the license for the Deception VM is activated, the network must be set up with Internet access to activate the Windows Operating System license for the Windows Deception VM. Ubuntu Operating System for the Linux Deception VM does not need activation.

For details, see the *Deploying FortiDeceptor in offline or air-gapped networks* section in the [FortiDeceptor Administration Guide](#) in the [Fortinet Document Library](#).

Configuring FortiDeceptor VM networking

To simplify configuration, we recommend using a dedicated vSwitch for the decoy and monitored segments. The following diagram shows the vSwitch ports relationship.



On ESXi, configure the `vSwitch_FDC_Decoys` vSwitch to connect both VLANs to FortiDeceptor VM. Then configure three network port-groups:

1. `FDC_Trunk` – Port-group for the actual trunk interface between FortiDeceptor VM and vSwitch.
2. `VLAN11` – Port-group to connect VLAN11 to vSwitch.
3. `VLAN21` – Port-group to connect VLAN21 to vSwitch.

To configure the vSwitch:

1. On the ESXi client, go to `Networking > Virtual Switches` and add a standard virtual switch. Just configure the `vSwitch Name`, remove the uplink (unless you need it), and use default values for the other options.

 Add standard virtual switch - vSwitch_FDC_Decoys.

 Add uplink

vSwitch Name	<input type="text" value="vSwitch_FDC_Decoys."/>
MTU	<input type="text" value="1500"/>
▶ Link discovery	Click to expand
▶ Security	Click to expand

2. Go to *Networking > Port groups* and add the port groups. Port groups for VLAN11 and VLAN21 are similar. For each port group, specify a *Name*, configure the *VLAN ID*, and select the *Virtual switch*.

 Add port group - VLAN11.

Name	<input type="text" value="VLAN11."/>
VLAN ID	<input type="text" value="11"/>
Virtual switch	<input type="text" value="vSwitch_FDC_Decoys"/>
▶ Security	Click to expand

- For the FDC Trunk port, configure a special port-group. On ESXi, you do not need to configure 802.1Q. You only need to set the port group to be a promiscuous interface and specify 4095 for the VLAN ID so the vSwitch can send and receive traffic from the VLANs configured on FortiDeceptor VM.

Select the *Virtual switch* and set all *Security* options to *Accept*.

Add port group - FDC_Trunk.

Name	FDC_Trunk.
VLAN ID	4095
Virtual switch	vSwitch_FDC_Decoys
Security	
Promiscuous mode	<input checked="" type="radio"/> Accept <input type="radio"/> Reject <input type="radio"/> Inherit from vSwitch
MAC address changes	<input checked="" type="radio"/> Accept <input type="radio"/> Reject <input type="radio"/> Inherit from vSwitch
Forged transmits	<input checked="" type="radio"/> Accept <input type="radio"/> Reject <input type="radio"/> Inherit from vSwitch

- To verify the configuration, check the vSwitch topology and ensure all devices are connected to this switch.

The screenshot shows the VMware ESXi interface for configuring and verifying a vSwitch. The left sidebar shows the navigation tree with 'vSwitch_FDC_Decoys' selected under 'Networking'. The main area displays the configuration for 'vSwitch_FDC_Decoys' (Standard vSwitch) with 3 port groups and 3 uplinks.

vSwitch Details:

MTU	1500
Ports	3246 (3189 available)
Link discovery	Unknown
Attached VMs	3 (3 active)

NIC teaming policy:

Notify switches	Yes
Policy	Route based on originating port ID
Reverse policy	Yes
Fallback	Yes

Security policy:

Allow promiscuous mode	Yes
Allow forged transmits	Yes
Allow MAC changes	Yes

Shaping policy:

Enabled	No
---------	----

vSwitch topology:

The topology diagram shows three port groups connected to the vSwitch:

- FDC_Trunk** (VLAN ID: 4095) connected to **FortiDeceptor_v3.1** (MAC Address: 00:0c:29:7d:24:7e).
- VLAN21** (VLAN ID: 21) connected to **WebServer-03** (MAC Address: 00:0c:29:72:67:0c).
- VLAN11** (VLAN ID: 11) connected to **WebServer-01** (MAC Address: 00:0c:29:8f:fb:12).

A note indicates 'No physical adapters' are connected to the vSwitch.

- Test connectivity from FortiDeceptor VM to the web servers, and from each web server to the decoys connected to the same VLAN.

- From FortiDeceptor VM.

```

FortiDeceptor VM Dashboard admin
What are you looking for?
Dashboard
Deception
  Customization
  Deception OS
  Deployment Network
  Deployment Wizard
  Decoy & Lure Status
  Decoy Map
  Whitelist
Incident
Fabric
Network
System
Log
CLI Console
Disconnect
FDC login: admin
Password: *****
Welcome!
> ping 192.168.11.100
PING 192.168.11.100 (192.168.11.100): 56 data bytes
64 bytes from 192.168.11.100: seq=0 ttl=64 time=0.102 ms
64 bytes from 192.168.11.100: seq=1 ttl=64 time=0.075 ms
64 bytes from 192.168.11.100: seq=2 ttl=64 time=0.079 ms
64 bytes from 192.168.11.100: seq=3 ttl=64 time=0.085 ms

--- 192.168.11.100 ping statistics ---
4 packets transmitted, 4 packets received, 0% packet loss
round-trip min/avg/max = 0.075/0.085/0.102 ms
>
> ping 192.168.11.99
PING 192.168.11.99 (192.168.11.99): 56 data bytes
64 bytes from 192.168.11.99: seq=0 ttl=64 time=15.623 ms
64 bytes from 192.168.11.99: seq=1 ttl=64 time=11.914 ms
64 bytes from 192.168.11.99: seq=2 ttl=64 time=12.291 ms
64 bytes from 192.168.11.99: seq=3 ttl=64 time=12.310 ms

--- 192.168.11.99 ping statistics ---
4 packets transmitted, 4 packets received, 0% packet loss
round-trip min/avg/max = 11.914/13.034/15.623 ms
>
> ping 192.168.11.11
PING 192.168.11.11 (192.168.11.11): 56 data bytes
64 bytes from 192.168.11.11: seq=0 ttl=64 time=2.814 ms
64 bytes from 192.168.11.11: seq=1 ttl=64 time=1.908 ms
64 bytes from 192.168.11.11: seq=2 ttl=64 time=1.448 ms
64 bytes from 192.168.11.11: seq=3 ttl=64 time=6.773 ms

--- 192.168.11.11 ping statistics ---
4 packets transmitted, 4 packets received, 0% packet loss
round-trip min/avg/max = 1.448/3.235/6.773 ms
>
  
```

- From web server 1.

```

fortinet@Web1:~$
fortinet@Web1:~$ ping 192.168.11.99
PING 192.168.11.99 (192.168.11.99) 56(84) bytes of data.
64 bytes from 192.168.11.99: icmp_seq=1 ttl=64 time=12.3 ms
64 bytes from 192.168.11.99: icmp_seq=2 ttl=64 time=43.2 ms
64 bytes from 192.168.11.99: icmp_seq=3 ttl=64 time=12.5 ms
64 bytes from 192.168.11.99: icmp_seq=4 ttl=64 time=12.6 ms
64 bytes from 192.168.11.99: icmp_seq=5 ttl=64 time=12.0 ms
^C
--- 192.168.11.99 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4017ms
rtt min/avg/max/mdev = 12.077/18.577/43.294/12.360 ms
fortinet@Web1:~$
fortinet@Web1:~$ ping 192.168.11.100
PING 192.168.11.100 (192.168.11.100) 56(84) bytes of data.
64 bytes from 192.168.11.100: icmp_seq=1 ttl=64 time=1.72 ms
64 bytes from 192.168.11.100: icmp_seq=2 ttl=64 time=0.894 ms
64 bytes from 192.168.11.100: icmp_seq=3 ttl=64 time=2.14 ms
64 bytes from 192.168.11.100: icmp_seq=4 ttl=64 time=1.15 ms
64 bytes from 192.168.11.100: icmp_seq=5 ttl=64 time=1.32 ms
^C
--- 192.168.11.100 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4007ms
rtt min/avg/max/mdev = 0.894/1.448/2.146/0.440 ms
fortinet@Web1:~$
  
```

Configure the FortiDeceptor VM

Once the FortiDeceptor VM license has been validated, you can configure your device. For more information on configuring your FortiDeceptor VM, see the [FortiDeceptor Administration Guide](#) in the [Fortinet Document Library](#).



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