

# Cisco vWAAS and VMware vSphere ESXi

This chapter describes how to install the VMware vSphere ESXi hypervisor for vWAAS, and contains the following section:

• Installing Cisco vWAAS with VMware vSphere ESXi

# Installing Cisco vWAAS with VMware vSphere ESXi

To install the vWAAS Virtual Machine (VM) with VMware vSphere ESXi, follow these steps:

Step 1 From the vSphere Client, choose File > Deploy OVF Template. The Source window appears.

Center-Server - vSphere Client				
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Figure 3-1 vWAAS—Deploy OVF Template

## Step 2 Click Browse.

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The Open window appears.

- Step 3 Navigate to the location of the vWAAS OVA file and click Open.
  - If the virtual host was created using an OVA of vWAAS for WAAS Version 5.1.x or later, proceed to Step 4.
  - If the virtual host was created using an OVA file of vWAAS for WAAS Version 5.0 or earlier, and you have upgraded vWAAS from inside WAAS, you must verify that the SCSI Controller Type is set to **VMware Paravirtual**. Otherwise, vWAAS will boot with no disk available, and will fail to load the specified configuration.

If needed, change the SCSI controller type to VMware Paravirtual by following these steps:

- a. Power down the vWAAS.
- b. From the VMware vCenter, navigate to vSphere Client > Edit Settings > Hardware.
- c. Choose SCSI controller 0.
- d. From the Change Type drop-down list, verify that the SCSI Controller Type is set to VMware Paravirtual. If this is not the case, choose VMware Paravirtual.
- e. Click OK.
- f. Power up the vWAAS, with WAAS Version 6.1.x or later.
- **Step 4** Click **Next** to accept the selected OVA file.

The Name and Location window appears.

Step 5 Enter a name for the vWAAS VM, choose the appropriate data center, and then click Next.

The Cluster window appears (if a cluster is configured), or the Resource Pool window appears (if a resource pool is configured). Otherwise, the Datastore window appears (in this case, skip to Step 7).

### Figure 3-2 vWAAS—Name and Data Center Location

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<u>urce</u> /F Template Details	Name:
me and Location source Pool tastore k Format	The name can contain up to 80 characters and it must be unique within the inventory folder.
ady to Complete	E Lab-manager-tme

Step 6 If configured, choose a cluster for the vWAAS VM or, if configured, choose the resource pool and then click Next.

The Datastore window appears.

Step 7 Choose a datastore to host the virtual machine and click Next.

## Figure 3-3 vWAAS - Datastore

Where do you want to :	store the virtual machine f	iles?			
Source	Select a datastore in v	which to store the VM files:			
Name and Location	Name	Capacity Provisioned	Free Type	Thin Provisioning	Access
Resource Pool	[SAN Storage]	1.36 TB 629.80 GB	884.45 GB VMF5	Supported	Multiple
Datastore Disk Format Network Mapping Ready to Complete	[[23-2]	226.73 GD 436.13 GD	104,02 GB VMP5	Supported	Jingie I
Неф	<u>.</u>		≤Back	Next ≥	▶ Cancel

**Note** The datastore must be formatted with a block size greater than 1 MB to support file sizes larger than 256 GB.

The Create a Disk window appears.

Step 8 The Disk Provisioning section has three disk format options: Thick Provision Lazy Zeroed, Thick Provision Eager Zeroed, and Thin Provision. Select **Thick Provision Eager Zeroed**.

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**Note** You must choose the **Thick Provision Eager Zeroed** disk format for vWAAS deployment; this is the format recommended with vWAAS deployment for a clean installation.

Step 9 Click Next.

The Network Mapping window appears.

**Step 10** Choose the network mapping provided by ESXi and click **Next**. You have the option to change this later if necessary.

The Ready to Complete window appears.

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Figure 3-4	vWAAS—Network Mapping
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OVF Template Details	Map the networks used in this OVF to	emplate to networks in your inventory
Resource Pool	Source Networks	Destination Networks
Datastore Disk Format	VM Network	Virtual Machine Network
	Description: The VM Network network	

Step 11 Click **Finish** to complete the installation.

The status window appears while the OVA file is being deployed.

## Figure 3-5 vWAAS—Status Window

Deploying vWAAS-vCM-Sm	all-OVF
Deploving disk 2 of 2 from C	\Documents and Settings\Administrator\My
Documents\vWAAS-vCM-S k	mall-DVF\vWAAS-vCM-Small-DVF-disk2.vmd
Documents\vWAAS-vCM-S k	mall-OVF\vWAAS-vCM-Small-OVF-disk2.vmd

Step 12 When the deployment is finished, the Deployment Completed Successfully window appears.

## Figure 3-6 vWAAS—Completed

🛃 Deployment Completed Successfully	_ 🗆 🗙
Deploying vWAAS-vCM-Small-OVF	
Completed Successfully	
	Close

- Step 13 Click Close.
- Step 14 You are ready to start the VM. Highlight the vWAAS VM and click Power on Virtual Machine.
- Step 15 After vWAAS finishes booting, click the Console tab to view boot up messages.



## Figure 3-7 vWAAS—Console

Note

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Under rare conditions, the vWAAS VM may boot into diskless mode if other VMs on the host VM server do not release control of system resources or the physical disks become unresponsive. For information on how to resolve this situation, see Resolving Diskless Startup and Disk Failure in Chapter 8, "Troubleshooting Cisco vWAAS."

For vWAAS configuration information, see Chapter 2, "Configuring Cisco vWAAS and Viewing vWAAS Components".

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