



Installing Cisco StadiumVision Director Remote Software on a Server for the First Time

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This module describes how to install the Cisco StadiumVision Director Remote Release 4.1 software from an Open Virtual Appliance (OVF) template that is downloaded from Cisco.com. The process applies to a brand new server that has *never* been installed with any version of Cisco StadiumVision Director Remote software.

This module includes the following topics:

- Prerequisites, page 5
- Installation Tasks, page 5
- Performing the Full ISO Installation, page 13
- What To Do Next, page 14

Prerequisites

Be sure that the following requirements are met before you install the Cisco StadiumVision Director Remote software:

- Be sure that your system meets the requirements documented in the "Getting Started Installing or Upgrading a Cisco StadiumVision Director Remote Server" module on page 1.
- If you are installing on the Cisco UCS C22 server, you have a copy of or access to the *Cisco UCS C-Series Servers VMware Installation Guide* on Cisco.com.
- You have purchased the appropriate licensing and have contacted Cisco Technical Support for access to download the Cisco StadiumVision Director Remote OVF file.

Installation Tasks

To install the Cisco StadiumVision Director Remote software, complete the following tasks:

- Downloading the Software, page 6 (required)
- Installing the VMware vSphere Software, page 7 (required)
- Configuring the vSphere Host, page 7 (required)

- Deploying the Cisco StadiumVision Director Remote OVF Template on the VMware vSphere Host, page 9 (required)
- Performing the Full ISO Installation, page 13 (required)

Downloading the Software

Be sure to download the files to a location, such as a laptop computer, where you can access them for installation onto the Cisco StadiumVision Director Remote server:

- Downloading the Cisco StadiumVision Director Remote OVF File, page 6 (required)
- Downloading the VMware vSphere Software, page 6 (required)
- Downloading the VMware vSphere Client, page 6 (required)

Downloading the Cisco StadiumVision Director Remote OVF File

You are eligible to obtain information about how to access the Cisco StadiumVision Director Remote OVF file after you have purchased the proper licensing. Contact Cisco Technical Support for information about how to download the OVF file (Table 1).

Table 1 OVF Template Filename Conventions

OVF .ZIP Filename
SV-REMOTE_FULL_TEMPLATE_4.1.0-XXX-Y.x86_64.zip ¹

1. "XXX" represents the build number and "Y" is the version of the OVF for that build.

Downloading the VMware vSphere Software

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Cisco StadiumVision Director Remote supports VMware vSphere version 5.1 and 5.5. If your server already has this VMware vSphere software version installed, you can skip this task.

To download the VMware vSphere software, complete the following steps:

Step 1	Go to the VMware software download site at:			
	http://www.vmware.com/download/			
Step 2	Locate the VMware vSphere software link and follow the instructions on the VMware site.			

Downloading the VMware vSphere Client

Note The VMware vSphere Client software requires the Microsoft Windows operating system. If the computer that you will use to deploy the Cisco StadiumVison Director Remote OVF already has VMware vSphere Client software installed, skip this task.

The VMware vSphere Client software is required to install the Cisco StadiumVision Director OVF file.

To download the VMware vSphere client, complete the following steps:

Step 1 Go to the VMware software download site at:

http://www.vmware.com/download/

Step 2 Locate the VMware vSphere client software link and follow the instructions on the VMware site to download and install the software on the computer that you will use to access the VMware vSphere host.

<u>}</u> Tip

Alternatively, you can download the VMware vSphere Client software when you access the VMware vSphere host. For more information, see the "Deploying the Cisco StadiumVision Director Remote OVF Template on the VMware vSphere Host" section on page 9.

Installing the VMware vSphere Software



If VMware vSphere version 5.1 or 5.5 is already installed and configured on your server, skip this task.

To install and configure the VMware vSphere software, complete one of the following steps:

- If installing on your own equipment, follow the VMware vSphere installation instructions for your hardware.
- If installing on the Cisco UCS C22 server, follow the instructions to install the VMware ESX software using the "VMware vSphere ESX Installation" module in the *Cisco UCS C-Series Servers VMware Installation Guide*.

Configuring the vSphere Host

After you have installed the VMware vSphere software, you need to configure the settings for your network environment. For more information about customizing the VMware vSphere configuration, see the VMware vSphere Installation and Setup Guide for your release under the Datacenter Product Documentation area of the VMware Documentation site at:

http://www.vmware.com/support/pubs/

If you are configuring the vSphere host on a Cisco UCS C22 server, you also can access the vSphere host from the KVM console if a connection has been mapped to the vSphere management interface.

To configure the vSphere host, complete the following steps:

Step 1 To customize the VMware vSphere configuration, press F2 at the ESX initialization screen.

Figure 1 shows an example of an ESX initialization screen.



Figure 1 Sample VMware ESX Initialization Screen

Step 2 At the System Customization screen, select the **Configure Password** option to specify a password for the administrator account.

The administrative user name for the ESX host is **root**. By default, the administrative password is not set.

Step 3 Specify the new password and repeat the entry for confirmation and then press Enter.

You will use the root account and password to log into the VMware ESX host to install the Cisco StadiumVision Director Remote OVF template.

Step 4 From the System Customization screen, select the **Configure Management Network** option as shown in the example in Figure 2 and press **Enter**.

Figure 2 Sample VMware System Customization Screen

System Customization	Configure Management Network
Configure Password Configure Lockdown Mode	Hostname: localhost
Configure Management Network Restart Management Network	IP Address: 172.31.254.195
Test Management Network Network Restore Options	IPv6 Addresses: fe80::5257:a8ff:feaf:8924/64
Configure Keyboard Troubleshooting Options	To view or modify this host's ⊨ detail, press <enter>.</enter>
View System Logs	
View Support Information	
Reset System Configuration	

a. Select the IP Configuration option and press Enter.

Figure 3 shows an example of the IP Configuration screen.

Figure 3 Sample IP Configuration Screen

IP Configuration			
This host can obtain network settings automatically if your network includes a DHCP server. If it does not, the following settings must specified:			
() Use dynamic IP address and network con	figuration		
() Use dynamic IP address and network con (o) Set static IP address and network conf	figuration iguration:		
() Use dynamic IP address and network conf (o) Set static IP address and network conf IP Address	Figuration iguration: [172.31.254.195]		
() Use dynamic IP address and network cont (o) Set static IP address and network conf IP Address Subnet Mask	Figuration iguration: [172.31.254.195] [255.255.255.192]		
 Use dynamic IP address and network conf Co) Set static IP address and network conf IP Address Subnet Mask Default Gateway 	Figuration iguration: [172.31.254.195] [255.255.255.192] [172.31.254.193]		

b. Modify the IP address configuration according to your network environment and press Enter.



The Cisco StadiumVision Director Remote server should be configured with a static IP address or a non-expiring DHCP lease.



c. (Optional) To change the ESX hostname and domain, choose the DNS configuration option and press **Enter**. The default hostname is localhost. When your updates are complete, press **Enter**.

Step 5

5 Restart the management network.

Verify that the IP address information on this screen correctly shows the changes that you made.

Deploying the Cisco StadiumVision Director Remote OVF Template on the VMware vSphere Host

Prerequisites

Before you install the Cisco StadiumVision Director Remote OVF template, be sure that the following requirements are met:

• The VMware vSphere Client is required to install the Cisco StadiumVision Director Remote OVF template.

If you have not already downloaded and installed the VMware vSphere Client on the computer that you will use to access the VMware vSphere host, then a link to download and install the software is provided when you log into the VMware vSphere host.

• Download and unzip SV-REMOTE_FULL_TEMPLATE_4.1.0-XXX-Y.x86_64.zip to extract the OVF file. SV-REMOTE_FULL_TEMPLATE_4.1.0-XXX-Y.x86_64.zip contains:

- SV-REMOTE_FULL_TEMPLATE_4.1.0-XXX-Y.ovf (XML VM descriptor file text)
- SV-REMOTE_FULL_TEMPLATE_4.1.0-XXX-Y.vdmk (VM disk file binary)
- SV-REMOTE_FULL_TEMPLATE_4.1.0-XXX-Y.mf (Checksum file text)
- SV-REMOTE_FULL_TEMPLATE_4.1.0-XXX-Y.iso (SVD full installation ISO file binary)

You can access a link to download the VMware vSphere Client after you have installed the ESX host by completing the following steps:

Step 1 From a web browser, type the IP address of the VMware vSphere host.

The VMWare ESX Welcome Screen is displayed as shown in the example in Figure 4.

Figure 4	Sample VMware Welcome Screen	
Welcome to VMware ESG 5.1	*	
•) 🖷 https://172.31254195 Most Visited 🗍 Getting Started	Latest Headlines V M w are ESXi 5.1 We lcome Getting Started If you need to access this host remotely, use the following program to install vsphere Client software. After running the installer, start the client and log in to this host. • Drawload Vsphere Client	For Administrators vSphere Remote Command Use command line tools to m vSphere from a client machine use command line tools to m
	To streamline your IT operations with vSphere, use the following program to install vCenter. vCenter will help you consolidate and optimize workload distribution across ESX hosts, reduce new system deployment time from weeks to seconds, monitor your witual computing environment around the clock, avoid service disruptions due to planned hardware maintenance or unexpetted failure, centralize access control, and automate system administration tasks. • Download VMware vCenter If you need more help, please refer to our documentation library: • vSphere Documentation	tools can be used in shell scr automate day-to-day operet > Download the Virtual Appl > Download the Windows In > Download the Windows In > Download the Unux Instat Web-Based Datastore Br Use your web browser to find download files (for example, machine and virtual disk files - Browse datastores in this I inventory For Developers Vsphere Web Services SC Learn about our latest SDKs.

- Step 2Click the Download vSphere Client link as shown on the Welcome screen (Figure 4).Follow the VMware instructions to download and install the software.
 - The computer from which you will run the VMware vSphere Client has access to the network where the ESX host is installed.
 - You have a copy of or access to the *vSphere Virtual Machine Administration Guide* from the VMware Documentation site for information about how to deploy the OVF template.

Procedure

To install the Cisco StadiumVision Director Remote OVF template on the VMware vSphere host, complete the following steps:

- **Step 1** Start the VMware vSphere Client.
- **Step 2** In the VMware vSphere Client window, type the following information:

- IP address / Name: IP address of the vSphere host (or name of host if using DNS)
- User name for the administrator account: root
- Password for the administrator account.

<u>P</u> Tip

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This information is configured in the vSphere host. For more information, see the "Installing the VMware vSphere Software" section on page 7.

Figure 5 Sample VMware vSphere Client

VMware vSphere Client VMware vSphere Client	
VMware vSphere" Client	e e e e e e e e e e e e e e e e e e e
To directly manage a singl To manage multiple hosts, vicencer berver.	e host, enter the IP address or host name. enter the IP address or name of a
IP address J Name:	30 N 204 AN
User name	roct
Password:	n#58850
	Use Windows session credentials Login Oose Heb

- **Step 3** From the File menu, click **Deploy OVF Template**.
- **Step 4** To select the source location for the template, click **Browse** and locate the OVF template for the Cisco StadiumVision Director Remote software that you downloaded and unzipped to your computer.
- **Step 5** Once the import completes, right click on the VM and edit the network settings pertinent to your configuration.

1	SVD-Remote-3.2	- Virtual Machi	ne Properties				
ſ	Hardware Options Resources			Virtua			
	Show All Devices	Add	Remove	Device Status Connected Connect at power on			
	Hardware	Summary					
	Memory	16384 MB		Current adapter: E1000			
	CPUs	12		Current adapter. E1000			
	📃 Video card	Video card		MAC Address			
	VMCI device	Restricted					
	SCSI controller 0	LSI Logic SAS		 Automat Manual 			
	🔒 CD/DVD drive 1	Client Device		DisactBath I/O			
	Hard disk 1	Virtual Disk		Status: Not supported			
	Floppy drive 1	Client Device	_	Status. Not subbolice			
	Network adapter 1	VM Network		Network Connection			
				Network label:			
				VM Network			
				VM Network Segment 1			
				VM Network Segment 2			
				VM Network Segment 3			
	1						
	Help						

Figure 6 Sample VMware vSphere Virtual Machine Properties



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- Specify a Name and data store location.
- Select thin provisioning disk format.

Step 7 Review your configuration and click **Finish**.

Performing the Full ISO Installation

To install the full ISO, power on the Cisco StadiumVision Director Remote server from VMware by completing the following steps:

- **Step 1** Start the VMware vSphere Client and log in as root user.
- **Step 2** From the inventory list, right-click on the name of the Cisco StadiumVision Director Remote server machine.
- Step 3 Select Power > Power On.

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Step 4 From the management console for Cisco StadiumVision Director Remote, click the **Console** tab as shown in Figure 7.

The Cisco StadiumVision Director Remote installation begins. You will be asked to configure your deployment with the IP address, hostname and other settings. If you do not configure these during installation, you will need to configure them later after the Cisco StadiumVision Director Remote install has been completed.

Figure 7 Sample Console Output During Cisco Stadium Vision Director Remote Power On

SYDRemote_full_template			
Getting Started Summary Resource Allocation Performance Events, Console Permissions			
			-
Setting clock (localtime): Tue Nov 27 08:14:20 PST 2012	Ľ	OK	1
Starting data the house (up):	L.	UK	1
Setting hostname default:	r	ON N	1
Setting no Logical Volume Management: 2 logical volume(1 1	n un	lume aroun "vol
Grounday now active			rame group vor
	Γ		1
Checking filesystems			
/dev/vol6roup00/rootVol00: clean, 27545/55377920 files, 1	922	32/5	5361536 blocks
/boot: clean, 35/26104 files, 15843/104388 blocks			-
	1	OK	1
Remounting root filesystem in read-write mode:	Ļ	UK	1
Mounting local filesystems:	Ļ	UK	1
INIT: Extension survives - 3			1
Entering non-interactive startun			
Starting monitoring for UG volGroup98: /dev/hdc; open f	ile	d: R	ead-onlu file s
ustem			
2 logical volume(s) in volume group "volGroup00" monitor	ed		
			1
Starting sysstat: Calling the system activity data colle	tor	(sa	dc):
	I	OK	1
Checking for hardware changes	Ļ	UK	1
Bringing up interface:			1
bringing ap interface etho.			

Step 5 Observe the output on the console to confirm that the filesystems, drives, and interfaces successfully come up (indicated by "OK" beside the system area).

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What To Do Next

After you have installed the Cisco StadiumVision Director Remote software, go to the "Configuring Cisco StadiumVision Director Remote Servers" module of the *Cisco StadiumVision Director Server Administration Guide, Release 4.1* to set up the remote server for network communication and connectivity to the Cisco StadiumVision Director server.

Be sure to note the IP address that you configured for the VMware vSphere host because it will be needed to complete the Cisco StadiumVision Director Remote configuration.