



# Migrating From Platform 2 Servers to a Virtual Environment

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Note

Due to memory and performance requirements, the Cisco StadiumVision Platform 2 servers (Cisco UCS C200) are not supported in Cisco StadiumVision Director Release 4.1.

In this document, the following terminology is used:

- **Migration**—Migration means moving an *existing* Cisco StadiumVision Director platform to a new hardware platform in a virtual environment.
- **Upgrade**—Means changing your software version to a newer release on your existing platform.

This module describes how to migrate your existing physical Platform 2 servers (Cisco UCS C200s) running Release 4.0 to a virtual environment so that you can upgrade to Release 4.1.

The information in this module also can be applied to Platform 3 servers. However, Platform 3 servers are supported in Release 4.1 and do not have a strict requirement to be migrated to a virtual environment before being upgraded to Release 4.1.

This module includes the following topics:

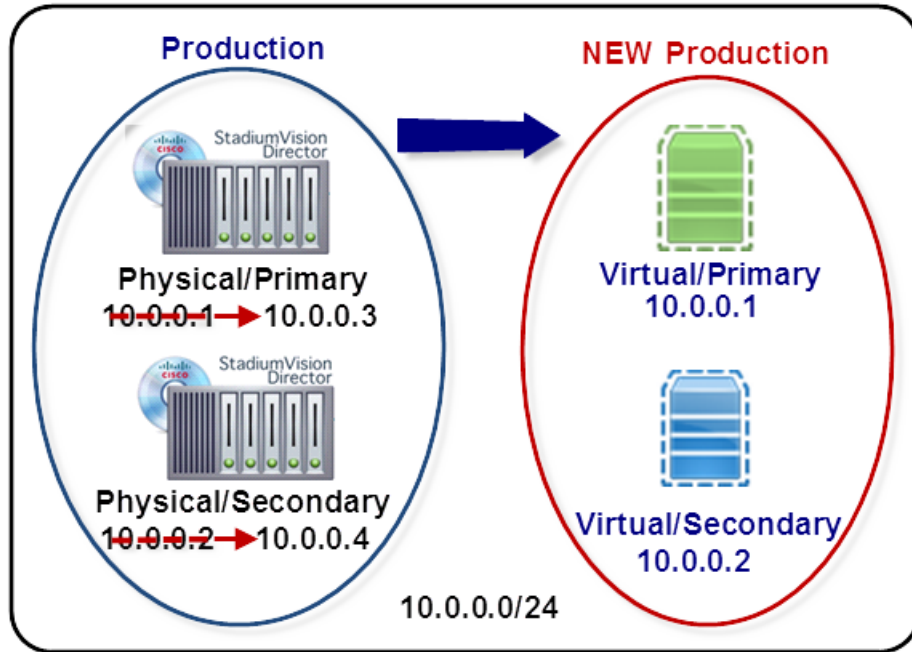
- [Objectives, page 7](#)
- [Workflow Summary, page 8](#)
- [Migration Phases, page 10](#)
- [What To Do Next, page 28](#)

## Objectives

The objectives of this module in preparing for an upgrade to Cisco StadiumVision Director Release 4.1 are:

- Moving two physical, Cisco StadiumVision Director Platform 2 servers (Cisco UCS C200s) currently in production running Release 4.0.0-732 (SP3) to two virtual servers running Release 4.0.0-732 (SP3) ([Figure 1](#)).
- Retaining the ability to power up retired physical servers as needed without an IP addressing conflict.

Figure 1 Migration Objectives From Cisco StadiumVision Director Physical Servers to Virtual Servers



## Workflow Summary

Table 1 provides a high-level summary of the tasks required to migrate from physical to virtual servers running Cisco StadiumVision Director. It includes links to topics within this module that provide more detailed information, along with other related documentation references.

Table 1 Virtual Migration Workflow Summary


Phase	Task Summary	References
Before You Begin	<ol style="list-style-type: none"> <li>1. Read the Release Notes.</li> <li>2. Obtain two new IP addresses from your network administrator.</li> <li>3. Obtain the full ISO and all upgrade ISOs for Cisco StadiumVision Director <i>Release 4.0</i>.</li> </ol>	<ul style="list-style-type: none"> <li>• <a href="#">Release Notes for Cisco StadiumVision Director Release 4.1</a>.</li> <li>• <a href="#">Software Download Center</a></li> </ul> <p><b>Note</b> Contact your Cisco representative or Technical Support to obtain the full ISO image for Release 4.0.</p>
Phase 1: Preparation of the Production Server Environment	<ol style="list-style-type: none"> <li>1. Upgrade Cisco StadiumVision Director as required to Release 4.0.0-732 (SP3).</li> <li>2. Document the network configuration of your primary server, including but not limited to IP address, DNS, NTP, and timezone information.</li> <li>3. Stop any active scripts.</li> <li>4. Process any PoP reports.</li> <li>5. Run a manual backup on the platform primary server.</li> <li>6. Obtain an SSR.</li> <li>7. Change IP addresses on production servers.</li> </ol> <p> <b>Caution</b> Before you change the IP addresses on your production servers, be sure that you have assessed your virtual server hardware requirements and are prepared to complete the entire migration process due to impact on further production operation.</p>	<ul style="list-style-type: none"> <li>• <a href="#">Cisco StadiumVision Director Software Installation and Upgrade Guide, Release 4.0</a>.</li> <li>• <a href="#">Cisco StadiumVision Director Server Administration Guide, Release 4.0</a>.</li> </ul>
Phase 2: Preparation of a Virtual Machine	<ol style="list-style-type: none"> <li>1. Be sure your virtual server environment meets the minimum system requirements and tested OS specifications for Cisco StadiumVision Director.</li> <li>2. Install VMware client software and configure the IP address of the production primary server.</li> <li>3. Load the full ISO for Cisco StadiumVision Director Release 4.0.0-525.</li> <li>4. Test IP connectivity between the virtual server and the primary production server using the <b>ping</b> command.</li> <li>5. Configure the server system settings with the network setup information that you documented from the production primary server.</li> <li>6. Perform upgrades to move to 4.0.0-732 (SP3).</li> </ol>	<ul style="list-style-type: none"> <li>• “Hardware Prerequisites” section on page 2 in the “Getting Started Installing or Upgrading Cisco StadiumVision Director” module on page 1.</li> <li>• “Installing on a Virtual Server for the First Time” section on page 5.</li> <li>• “Configuring the Cisco StadiumVision Director Server System Settings” module in the <a href="#">Cisco StadiumVision Director Server Administration Guide, Release 4.0</a>.</li> <li>• <a href="#">Cisco StadiumVision Director Software Installation and Upgrade Guide, Release 4.0</a>.</li> </ul>

Table 1 Virtual Migration Workflow Summary

Phase	Task Summary	References
<a href="#">Phase 3: Migration From Physical to Virtual Server</a>	<ol style="list-style-type: none"> <li>1. Configure the virtual server as the secondary server in Cisco StadiumVision Director.</li> <li>2. Re-establish backup between the primary production server and virtual server.</li> </ol>	<ul style="list-style-type: none"> <li>• “Cisco StadiumVision Director Text Utility Interface” module in the <i>Cisco StadiumVision Director Server Administration Guide, Release 4.0</i>.</li> <li>• “Backing Up and Restoring Cisco StadiumVision Director Servers” module in the <i>Cisco StadiumVision Director Server Administration Guide, Release 4.0</i>.</li> </ul>
<a href="#">Phase 4: Promotion of the Virtual Server</a>	<ol style="list-style-type: none"> <li>1. Promote the virtual/secondary server to active.</li> <li>2. Restore data from backup.</li> <li>3. Stop services, auto-restart, and shut down the physical/primary server.  Both physical servers should now be stopped/shut down.</li> </ol>	<ul style="list-style-type: none"> <li>• “Cisco StadiumVision Director Text Utility Interface” module in the <i>Cisco StadiumVision Director Server Administration Guide, Release 4.0</i>.</li> <li>• “Backing Up and Restoring Cisco StadiumVision Director Servers” module in the <i>Cisco StadiumVision Director Server Administration Guide, Release 4.0</i>.</li> </ul>
<a href="#">Phase 5: Creation of Another Virtual Server Instance</a>	<ol style="list-style-type: none"> <li>1. Create another virtual server and configure it as the secondary server in Cisco StadiumVision Director.</li> <li>2. Reconfigure the automatic backup environment between the virtual servers and run a manual backup.</li> <li>3. Shut down the Cisco StadiumVision Director software on the virtual/secondary server.</li> <li>4. Verify Cisco StadiumVision Director operation.</li> </ol>	<ul style="list-style-type: none"> <li>• “Cisco StadiumVision Director Text Utility Interface” module in the <i>Cisco StadiumVision Director Server Administration Guide, Release 4.0</i>.</li> <li>• “Backing Up and Restoring Cisco StadiumVision Director Servers” module in the <i>Cisco StadiumVision Director Server Administration Guide, Release 4.0</i>.</li> </ul>

## Migration Phases

This section provides detailed information about the tasks to migrate to a virtual environment. It includes the following topics:

- [Before You Begin, page 11](#)
- [Phase 1: Preparation of the Production Server Environment, page 11](#)
- [Phase 2: Preparation of a Virtual Machine, page 15](#)
- [Phase 3: Migration From Physical to Virtual Server, page 17](#)
- [Phase 4: Promotion of the Virtual Server, page 22](#)

- [Phase 5: Creation of Another Virtual Server Instance, page 24](#)

## Before You Begin

Before you migrate your servers in preparation for an upgrade to Release 4.1, complete the following tasks:

- Read the [Release Notes for Cisco StadiumVision Director Release 4.1](#).
- Obtain two new IP addresses on the same VLAN as your current Cisco StadiumVision Director production servers.

**Tip**

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The best practice is to use unique IP addresses on all servers. This avoids IP address conflicts in the case of a need to turn on retired production servers for information or any potential requirement to fall back to Release 4.0 on those servers.

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- Obtain the following full and upgrade ISO images for Cisco StadiumVision Director Release 4.0:

**Tip**

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Upgrade ISO images are available from the [Software Download Center](#). To obtain the Release 4.0.0-525 full ISO image, contact your Cisco representative or Cisco Technical Support.

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- Full ISO for Release 4.0.0-525.
- Upgrade ISO for Release 4.0.0-601 (SP1)
- Upgrade ISO for Release 4.0.0-707 (SP2)
- Upgrade ISO for Release 4.0.0-732 (SP3)

## Phase 1: Preparation of the Production Server Environment

This phase includes the tasks required to prepare your production servers for migration:

- [Upgrading the Production Servers, page 12](#) (as required)
- [Documenting the Primary Production Server Configuration, page 12](#) (required)
- [Preparing the Primary Server for Migration, page 13](#) (required)
- [Changing the IP Addresses on the Production Servers, page 13](#) (required)

**Note**

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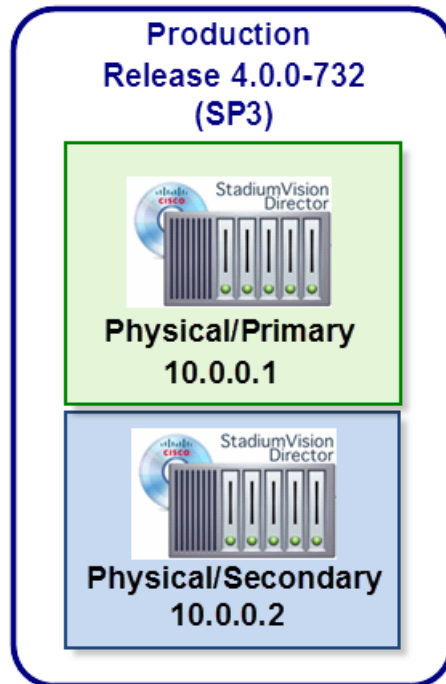
Upgrading and documenting the production server network configuration can be done ahead of migration. The remainder of the tasks in this section should be scheduled when there is a sufficient period of time to perform the migration and test the outcome when no events are scheduled.

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## Upgrading the Production Servers

Figure 2 shows the target Cisco StadiumVision Director software version that should be installed on your Cisco UCS C200 production servers before migration to a virtual environment.

Figure 2 Target Software Version for Cisco StadiumVision Director Production Servers



## Upgrade Paths

Depending on the version of Cisco StadiumVision Director currently running on your Platform 2 servers, you might have several upgrades to perform.

The upgrade paths to Release 4.0.0-732 (SP3) follow a linear progression as shown below:

- **Release 3.2 Upgrade Sequence**

Release 3.2.0-520 (SP2) > Release 4.0.0-601 (SP1) > Release 4.0.0-707 (SP2) > Release 4.0.0-732 (SP3)

- **Release 4.0 Upgrade Sequence**

Release 4.0.0-525 > Release 4.0.0-601 (SP1) > Release 4.0.0-707 (SP2) > Release 4.0.0-732 (SP3)

For information about how to upgrade to Release 4.0, see the [Cisco StadiumVision Director Software Installation and Upgrade Guide, Release 4.0](#).

## Documenting the Primary Production Server Configuration

At a minimum, be sure to document the network configuration (IP address, DNS server, NTP server, and timezone information) for your primary production server prior to migration.

To verify this information, you can go to the TUI **Main Menu** > **System Settings** > **Network Settings**.

## Preparing the Primary Server for Migration

To prepare the primary production server for migration, complete the following steps:

- 
- Step 1** Stop all active scripts:
- Go to **Control Panel > Control**.
  - Select a running script.
  - Click **Stop**.
- Step 2** Process all ungenerated Proof of Play (PoP) reports:
- Go to **Control Panel > Setup > Proof of Play**.
  - Select an event script with a green status icon.
  - Click **Generate Report**.
- Step 3** Run a manual backup:
- Go to **Management Dashboard > Tools > Advanced > Run a Task**.
  - In the Tasks to Run box, select **BackupTask**.
  - Click **Apply**.
- Step 4** Obtain a System State Report (SSR):
- Go to **System State Report**.
  - Select Report Destination and Level options.
  - Click **Get System Status**.
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## Changing the IP Addresses on the Production Servers



### Note

The best practice is to use unique IP addresses on all servers. Be sure to configure the *retiring* production servers with the *new* IP addresses.

Reusing the production IP addresses on the new virtual servers and changing to new IP addresses on the retiring production servers has the following benefits:

- Avoids IP address conflicts in the case of a need to turn on retired production servers for information or any potential requirement to fall back to Release 4.0 on those servers.
- Preserves DHCP strings required for SV-4K and DMP-2K Option 43 deployment that are already used in production. These strings include the IP address of the Cisco StadiumVision Director server in the converted URL.



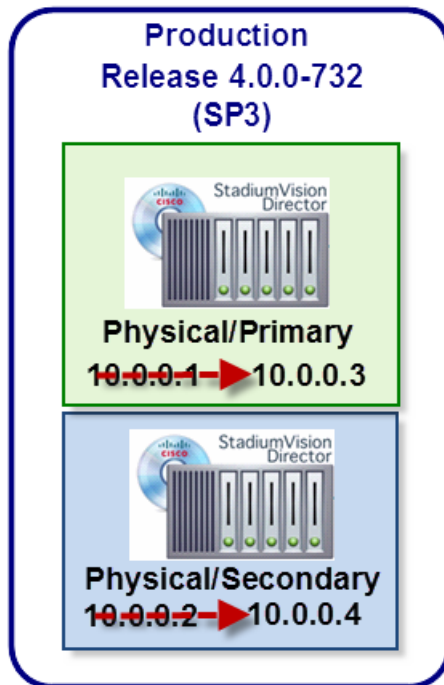
### Caution

Once you change your production server IP addresses, automatic backup operation and DHCP option 43 configuration for DMPs to obtain IP addresses will no longer work on the production server. You should plan to complete all phases of the virtual migration from this point.

## Prerequisites

Before you begin this task, be sure that you have obtained two new IP addresses on the same VLAN as your production servers. These new IP addresses will be configured on the production servers (Figure 3).

Figure 3 New IP Address Configuration on Production Servers



## Procedure

To change the IP address on the production servers, complete the following steps:

- 
- Step 1** From the TUI Main Menu on the primary server, go to the **System Settings** menu.
  - Step 2** Select the **Network Settings** option.  
The Network Settings sub-menu is displayed.
  - Step 3** Select the **Setup Network Information** option.
  - Step 4** At the Configure Network confirmation screen, press any key to continue.  
The Select Action screen is displayed with the “Edit Devices” option highlighted.
  - Step 5** Press **Enter** to select.  
The Select a Device screen is displayed with the “eth0” network interface highlighted.
  - Step 6** Press **Enter** to select.  
The Ethernet Configuration screen is displayed.




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**Note** The Linux screen is misspelled “Devernet Configuration.”

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- Step 7** Press the tab key until the cursor is positioned on the Static IP address line.
- Step 8** Press the backspace key to go to the beginning of the line and type in the *new* IP address of the primary server.
- In our example from [Figure 3](#), this would be 10.0.0.3.
- Step 9** Press the tab key until the **Ok** button is highlighted and press **Enter**.
- You return to the Select a Device screen.
- Step 10** Press the tab key until the **Save** button is highlighted and press **Enter**.
- You return to the Select Action screen.
- Step 11** Press the tab key until the **Save&Quit** button is highlighted and press **Enter**.
- You return to the TUI Configure Network screen.
- Step 12** Press any key to return to the Network Settings sub-menu.
- Step 13** Select the **Edit hosts file** option.
- Press any key to enter edit mode.
  - Replace the server's original IP address (in our example, 10.0.0.1) with the new IP address of the primary server (ex. 10.0.0.3).
- Step 14** Save the configuration and exit vi using the following command:
- ```
:wq
```
- Step 15** Restart the network service:
- From the TUI Main Menu, go to the **Services Control** sub-menu.
  - Select the **Networking** option.
- The Networking sub-menu is displayed.
- Select the **Restart networking** option.
- The network daemon is restarted and the IP address change is put into effect on the primary server.
- Step 16** Repeat this procedure on the secondary production server using the other new IP address (in our example, 10.0.0.4) in [Step 8](#) and [Step 13](#).
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## Phase 2: Preparation of a Virtual Machine



### Note

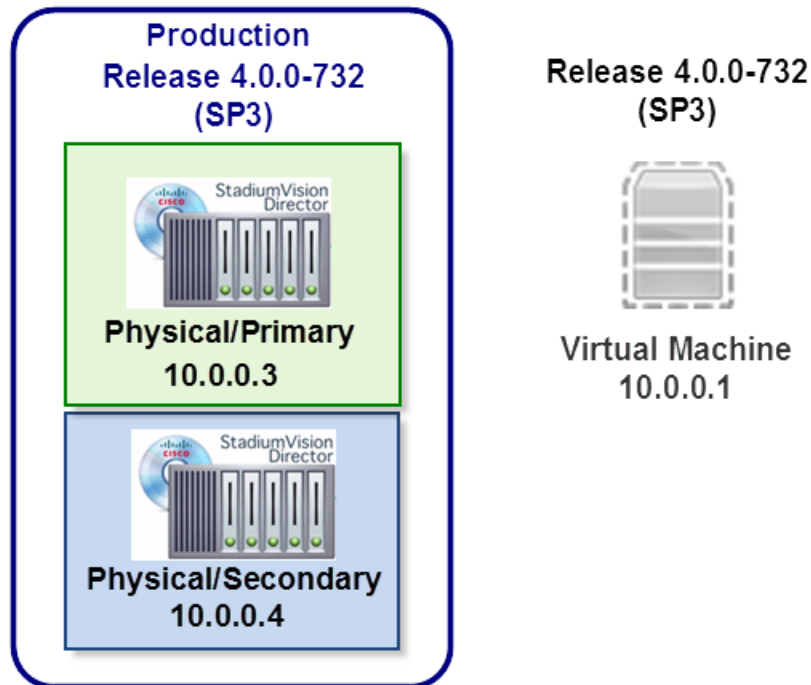
This section only provides a high-level summary of the tasks to perform to prepare your virtual machine to run Cisco StadiumVision Director. It does not intend to provide specific details about how to install and configure VMware software.

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After you have prepared your production servers running Release 4.0.0-732 (SP3) and changed their IP addresses, you are ready to install and configure the primary virtual server.

Figure 4 shows the objective of this section to install a virtual machine running Cisco StadiumVision Director Release 4.0.0-732 (SP3), with the original IP address of the primary production server (which is 10.0.0.1 in our example).

Figure 4 Install a Virtual Machine with Release 4.0 SP3 and Primary Server Original IP Address



## Prerequisites

Before you install a virtual machine for Cisco StadiumVision Director, be sure that the following requirements are met:

1. You have changed the IP addresses on the production servers.
2. You have verified that your virtual server meets the requirements listed in [Table 1 on page 3](#).

## Procedure

To install the virtual machine, complete the following steps:

- 
- Step 1** Configure the virtual machine operating system specifications according to the tested specifications provided in [Table 2](#).

Table 2 Virtual Machine Hardware and OS Specifications Tested for Cisco StadiumVision Director Server

| System Component       | Specification                      |
|------------------------|------------------------------------|
| VM Hardware            | Version 8                          |
| Guest Operating System | RedHat Enterprise Linux 5 (64-bit) |
| Network Adapter        | E1000                              |

*Table 2 Virtual Machine Hardware and OS Specifications Tested for Cisco StadiumVision Director Server*

| System Component  | Specification                       |
|-------------------|-------------------------------------|
| SCSI Controller   | LSI Logic Parallel or LSI Logic SAS |
| Disk Provisioning | Thick                               |

- Step 2** Install VMware client software and configure the original IP address of the primary production Cisco StadiumVision Director server.
- Step 3** Load the full ISO for Cisco StadiumVision Director Release 4.0.0-525 on the virtual machine.
- Step 4** Test IP connectivity between the virtual server and the primary production server using the **ping** command.
- Step 5** Configure the server system settings with the network setup information that you documented from the production primary server.  
For more information, see the “[Configuring the Cisco StadiumVision Director Server System Settings](#)” module in the *Cisco StadiumVision Director Server Administration Guide, Release 4.0*.
- Step 6** Perform upgrades to move to 4.0.0-732 (SP3):  
**Release 4.0 Upgrade Sequence**  
Release 4.0.0-525 > Release 4.0.0-601 (SP1) > Release 4.0.0-707 (SP2) > Release 4.0.0-732 (SP3)  
For more information, see the “[Using the Software Manager to Upgrade Cisco StadiumVision Director Software, Language Packs, and Fonts](#)” module in the *Cisco StadiumVision Director Software Installation and Upgrade Guide, Release 4.0*.

## Phase 3: Migration From Physical to Virtual Server

This phase includes the tasks to establish the virtual server as backup to the primary production server to begin the virtual migration process:

- [Configuring the Virtual Server as the Cisco StadiumVision Director Secondary Server, page 17](#) (required)
- [Configuring the Backup Environment Between the Primary Production Server and Virtual/Secondary Server, page 18](#) (required)
- [Starting a Backup Manually on the Primary Server for Immediate Execution, page 21](#) (required)

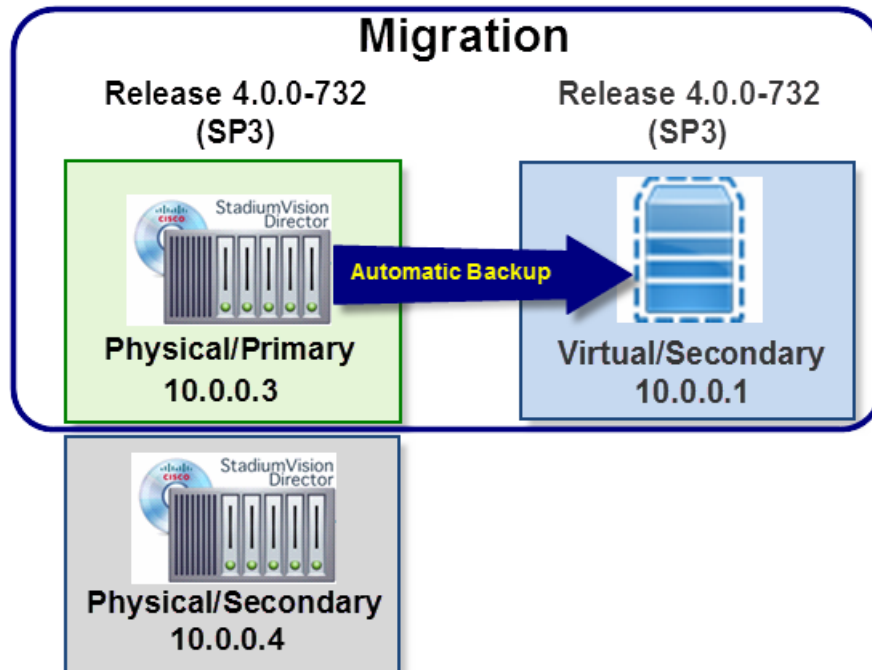
### Configuring the Virtual Server as the Cisco StadiumVision Director Secondary Server

To configure the virtual server as secondary/inactive in Cisco StadiumVision Director, complete the following steps:

- Step 1** Log into the TUI as installer on the *virtual* server using a directly-connected console or SSH client. The TUI Main Menu is displayed.
- Step 2** Go to the **StadiumVision Server Administration > Failover** sub-menu.
- Step 3** Select the **Configure as Secondary/Inactive** option.



Figure 6 Automatic Backup from Primary Production Server to Virtual/Secondary Server



To set up the primary server for automatic backup and restore, complete the following steps:

- 
- Step 1** On the primary server, log into the TUI by doing the following:
- a. Use a directly connected console, or use an SSH client from a laptop computer that is connected to the Cisco StadiumVision Server network to run a secure login to the primary Cisco StadiumVision Director server using the IP address for your server.
  - b. When the login prompt appears, enter the **installer** userid followed by the installer password at the password prompt.
- Step 2** From the Main Menu, go to **StadiumVision Server Administration > Setup automatic backup and restore**.



- Step 4** At the prompt, type the password for the installer account on the secondary backup server.
- Step 5** When accepted, the system generates the RSA keys and the public key is copied to the secondary server. Confirm that the keys are created without errors as shown in (Figure 9):

**Figure 9** Generation of RSA Keys

```

Please enter the IP address of the currently inactive SVD server
Enter hostname (or press <ENTER> to cancel): 10.194.171.62
Please enter the password for installer @ 10.194.171.62:
Generating public/private rsa key pair.
Your identification has been saved in /root/.ssh/id_rsa.
Your public key has been saved in /root/.ssh/id_rsa.pub.
The key fingerprint is:
31:79:b0:1f:e4:c3:34:67:9a:38:3a:69:2e:65:98:0b root@gatemp34
The key's randomart image is:
+--[ RSA 2048 ]-----+
|      . + .          |
|      O.o           |
|      . = o *        |
|      o o = o        |
|      o o . S .     |
| E o B              |
|      * .            |
|      o .            |
|      +              |
+-----+
Press any key to return to the menu.

```

- Step 6** Wait until the “Press any key” message appears (there can be a short delay before it is displayed).
- Step 7** Then, press any key to return to the StadiumVision Server Administration menu.
- Step 8** Continue to return to the Main Menu and exit the TUI.

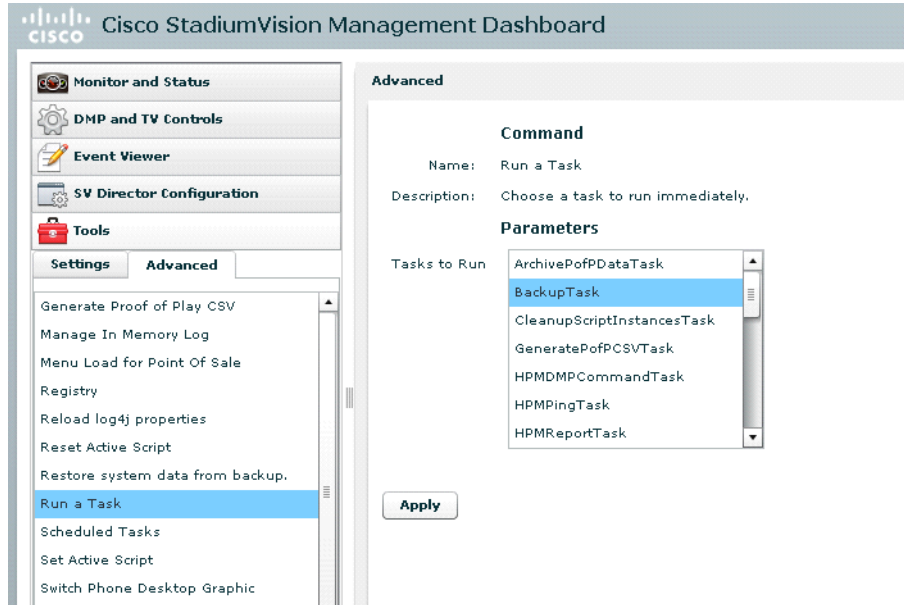
## Starting a Backup Manually on the Primary Server for Immediate Execution

You need to start a backup on the primary server so that the backup data is made available for a restore on the secondary/virtual server.

**To start a backup manually on the primary server for immediate execution, complete the following steps:**

- Step 1** On the primary server, log into Cisco StadiumVision Director as an administrator.
- Step 2** From the Cisco StadiumVision Director main menu, click **Management Dashboard**.  
The Cisco StadiumVision Management Dashboard is opened in a new window.
- Step 3** Select **Tools > Advanced > Run a Task**.
- Step 4** In the Tasks to Run box, select the **BackupTask** (Figure 10).

**Figure 10** *Running a Scheduled Backup Task Manually*



**Step 5** Click **Apply**.

The backup begins immediately. When completed, the CMS is automatically restarted.



**Note**

The “success” message that appears means that the backup task has started. It does not mean that the backup has completed.

## Phase 4: Promotion of the Virtual Server

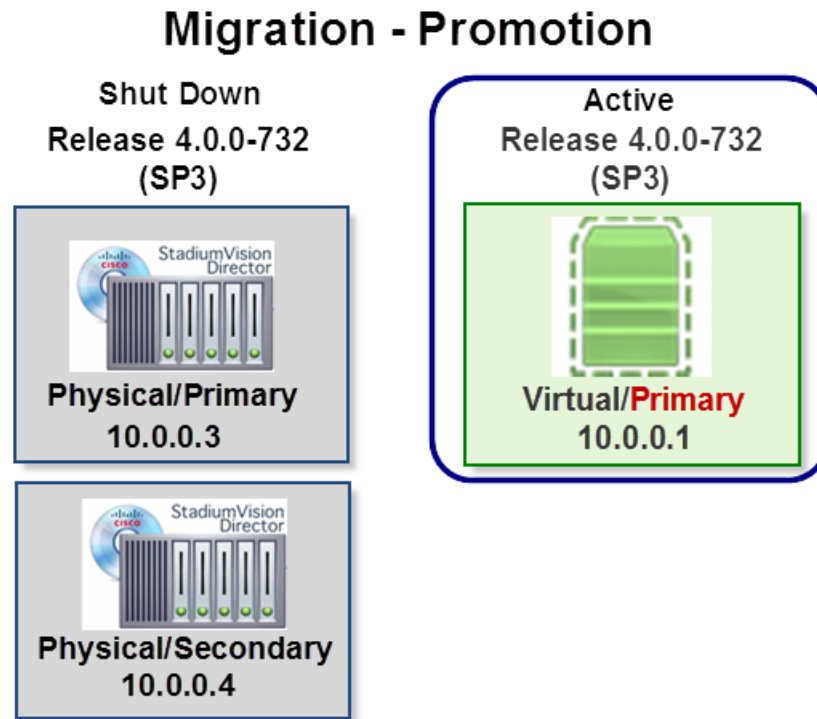
In this phase of the migration, the virtual server becomes the new primary/active server with restored data from backup and the production server is shut down:

- [Promoting the Virtual Server, page 23](#) (required)
- [Restoring the Virtual Server with System Data From a Backup File, page 23](#) (required)
- [Stopping Services and Shutting Down the Primary Production Server, page 24](#) (required)



In this phase, the virtual server is the only active server as shown in [Figure 11](#).

Figure 11 Virtual Server is the New Primary Cisco StadiumVision Director Server



## Promoting the Virtual Server

To promote the virtual server, complete the following steps:

- 
- Step 1** Log into the TUI as installer on the *secondary* virtual server using a directly-connected console or SSH client.  
The TUI Main Menu is displayed.
  - Step 2** Go to the **StadiumVision Server Administration > Failover** sub-menu.
  - Step 3** Select the **Promote as Primary/Active** option.  
The Cisco StadiumVision Director services are started and also configured to start automatically when a reboot occurs.
- 

## Restoring the Virtual Server with System Data From a Backup File

To restore the virtual server with system data from a backup file, complete the following steps:

- 
- Step 1** Log into Cisco StadiumVision Director on the *virtual* server using an administrator account.
  - Step 2** From the Cisco StadiumVision Director main menu, click **Management Dashboard**.

- Step 3** From the Dashboard Drawers, select **Tools > Advanced > Restore system data from backup**.
- Step 4** Select the components that you want to restore, and select the date of the backup file to use for the restore.
- Step 5** Click **Apply**.  
The restore begins. A dialog box appears notifying you when the restore process has successfully completed.
- Step 6** When the restore is complete, look around the system to verify that everything looks as expected.
- 

## Stopping Services and Shutting Down the Primary Production Server

To stop services, auto-restart, and shut down the primary production server, complete the following steps:

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- Step 1** Log into the TUI as installer on the *primary production* server using a directly-connected console or SSH client.  
The TUI Main Menu is displayed.
- Step 2** Go to the **StadiumVision Server Administration > Failover** sub-menu.
- Step 3** Select the **Configure as Secondary/Inactive** option.
- Step 4** Press any key to return to the Failover sub-menu.
- Step 5** Return to the **StadiumVision Server Administration** menu by typing **R** and pressing **Enter**.
- Step 6** Select the **Power Off** option.  
The primary server is shut down.
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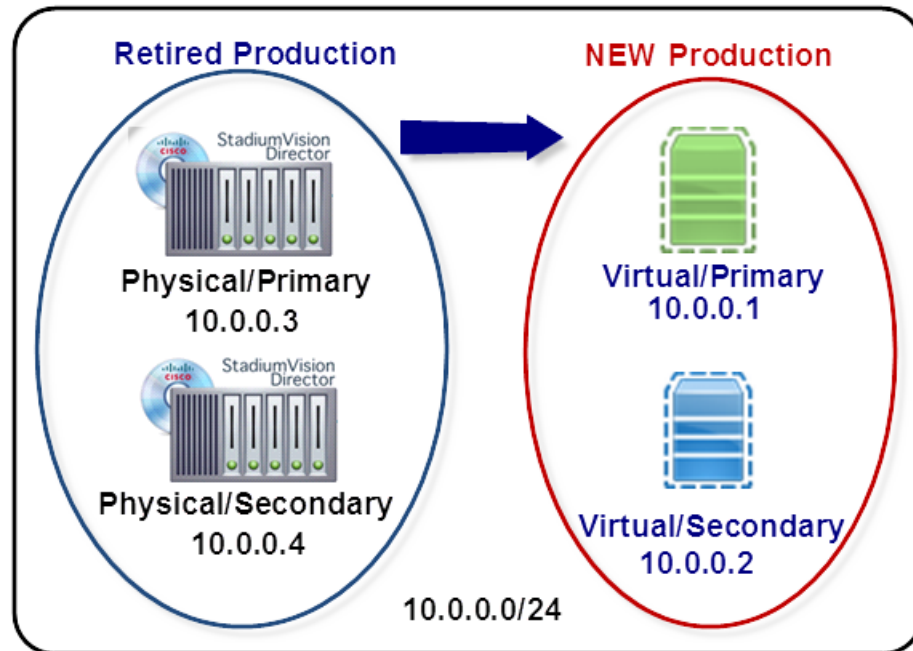
## Phase 5: Creation of Another Virtual Server Instance

This phase includes the tasks to create another virtual machine to be configured as the secondary/inactive Cisco StadiumVision Director server:

- [Cloning a Virtual Machine in VMware, page 25](#) (suggested)
- [Configuring the New Virtual Machine as the Cisco StadiumVision Director Secondary Server, page 26](#) (required)
- [Configuring the Backup Environment Between the Virtual Servers, page 27](#) (required)
- [Shut Down Cisco StadiumVision Director on the Virtual/Secondary Server, page 27](#) (required)

Figure 12 shows the status of the retired physical and new virtual production servers when migration is complete at the end of this phase.

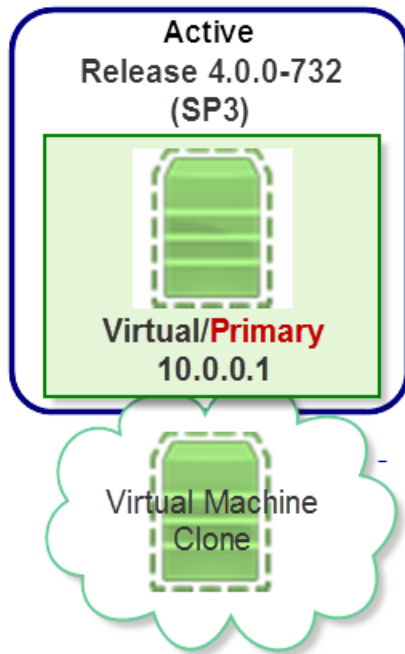
Figure 12 Production Server Status After Migration Completion



## Cloning a Virtual Machine in VMware

You can use VMware software to clone the virtual/primary machine as shown in Figure 13. Otherwise, you need to implement another virtual machine instance as described in “Phase 2: Preparation of a Virtual Machine” section on page 15.

Figure 13 Cloning a Virtual Machine in VMware



## Configuring the New Virtual Machine as the Cisco StadiumVision Director Secondary Server

Follow the steps in the “[Configuring the Virtual Server as the Cisco StadiumVision Director Secondary Server](#)” section on page 17.



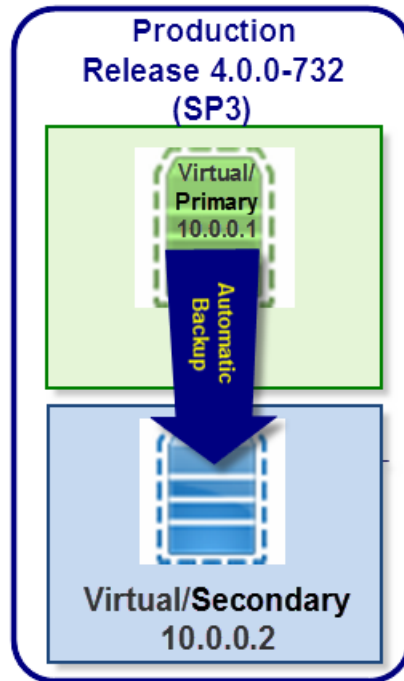
### Note

Be sure to give the new or cloned virtual machine the IP address of the original, secondary production server. In our example, 10.0.0.2.

## Configuring the Backup Environment Between the Virtual Servers

Establish the automatic backup on the virtual/primary server to the virtual/secondary server as shown in [Figure 14](#) by following the same steps described in the “[Configuring the Backup Environment Between the Primary Production Server and Virtual/Secondary Server](#)” section on page 18.

*Figure 14 Configuring Automatic Backup Between the Virtual Servers*



## Starting a Backup Manually on the Virtual/Primary Server for Immediate Execution

Run a backup on the virtual/primary server by following the steps in the “[Starting a Backup Manually on the Virtual/Primary Server for Immediate Execution](#)” section on page 27.

## Shut Down Cisco StadiumVision Director on the Virtual/Secondary Server

To shut down the Cisco StadiumVision Director software on the virtual/secondary server, complete the following steps:

- 
- Step 1** Log into the TUI as installer on the *virtual/secondary* server using a directly-connected console or SSH client.  
The TUI Main Menu is displayed.
  - Step 2** Go to the **StadiumVision Server Administration** menu.
  - Step 3** Select the **Shutdown StadiumVision Director Software** option.
-

## What To Do Next

After you have migrated Cisco StadiumVision Director to a virtual server environment and confirmed successful Cisco StadiumVision operation, you can upgrade your servers to Release 4.1.

For more information, see the [Cisco StadiumVision Director Software Installation and Upgrade Guide, Release 4.1](#).