



Upgrading a Cisco StadiumVision Director Server from Release 3.1 SP2 to Release 3.2

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This module describes how to upgrade a Cisco StadiumVision Director Platform 2 server previously installed with a minimum of Release 3.1.0-797 Service Pack 2 to Cisco StadiumVision Director Release 3.2.

**Caution**

A Cisco StadiumVision Director system that is using language support from Release 3.1.0-797 (SP2), will lose that support if upgraded to Release 3.2. Support for other language translations must be installed as they become available as Language Packs using the new Software Manager from the Cisco StadiumVision Director main menu.

**Note**

Certain locales are not supported in Release 3.2, such as right-to-left languages.

**Note**

Language packs must be installed after upgrading to Cisco StadiumVision Director Release 3.2. See the [“Installing Fonts” section on page 39](#) for details on installing fonts.

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Best Practices

Before you begin upgrading a Cisco StadiumVision Director server from Release 3.1.0-797 Service Pack 2 to Release 3.2 software, consider the following best practices:

- Choose an appropriate down time to perform the upgrade on the Cisco StadiumVision Director server when there is adequate time to complete and verify the upgrade before any scheduled events and to allow time to resolve any unexpected issues that might occur.
- Refer to the [Release Notes for Cisco StadiumVision Director Release 3.2](#) for the latest information about hardware and software requirements, changes, important notes, and caveats for your software release.
- Pay particular attention to the required hardware and software versions for other devices supporting your Cisco StadiumVision solution and be sure that you plan to upgrade those devices as needed. For example, generally only certain firmware versions are supported for the DMP hardware, or a new firmware version is needed to provide additional functionality supported by the Cisco StadiumVision Director software.
- Perform a backup and restore of the primary and secondary servers, and then promote the secondary server:
 - Perform a backup of the currently active primary server.
 - Restore the backup data onto the standby secondary server.



Note The config service must be running on the secondary server to do the restore.

For more information about performing a backup and restore on a Cisco StadiumVision Server running release 3.1, see the “[Backing Up and Restoring Cisco StadiumVision Director Servers](#)” module of the *Cisco StadiumVision Director Server Administration Guide, Release 3.1*.

- Promote the secondary server to active.

For more information about promoting a secondary server to active, see the “[Configuring Failover Between Redundant Cisco StadiumVision Director Servers](#)” module of the *Cisco StadiumVision Director Server Administration Guide, Release 3.1*.

- Access the promoted secondary server to perform the upgrade.
- Due to the difficulty in recovering from an interrupted installation process if the Linux shell is accidentally closed or the network drops, it is highly recommended that you use a server console connection method that does not pose a risk to the success of upgrade completion if the session breaks during upgrade.

This can be done using a monitor and keyboard that are directly connected to the Cisco StadiumVision Director server to log into the TUI, or through a remote connection with access to the Cisco StadiumVision Director network and using the CIMC interface to log into the TUI.

Prerequisites

Before the server upgrade, be sure that the following requirements are met:

- Be sure that the Cisco StadiumVision Director server meets the following minimum requirements:
 - As required for the Platform 2 server, two additional 300 GB hard drives are installed for a total of four required drives for Release 3.2. Contact your Cisco Systems sales representative for more information about how to obtain additional hard drives.

For information about how to install hard drives to support Release 3.2, see “[Appendix C: Installing Additional Hard Drives in the Platform 2 Server to Prepare for Upgrade to Release 3.2](#)” module on page 53.

- The software is at the minimum release level of Release 3.1.0-797 Service Pack 2. If the server is not at the minimum release level, see the “[Using the TUI Upgrade Utility to Upgrade the Cisco StadiumVision Director Software](#)” module of the *Cisco StadiumVision Director Software Installation and Upgrade Guide, Release 3.1*.
- The Platform 2 server Unified Computing System (UCS) Server Firmware is at version 1.4(2) to avoid problems powering off the server hardware.

For more information about how to verify and upgrade, see the “[Upgrading the CIMC and BIOS Firmware on a Cisco StadiumVision Director Platform 2 Server](#)” module of the *Cisco StadiumVision Director Software Installation and Upgrade Guide, Release 3.0*.

- Be sure that you have compatible Cisco Digital Media Player (DMP) models and firmware versions. For more information about DMP hardware and software requirements, see the [Release Notes for Cisco StadiumVision Director Release 3.2](#).
- To access the Cisco Integrated Management Controller (CIMC) for the TUI software upgrade, the following requirements are met:
 - Your computer meets the minimum browser and Flash player requirements for Cisco StadiumVision Director, and also has Java 1.6 or later installed.
 - You have a laptop connection with access to the Cisco StadiumVision Director server network.
 - You have the IP address of the CIMC interface on the Cisco StadiumVision Director server.
 - You have the CIMC interface login credential. The default is **admin/password**.

**Note**

You also can use a monitor and keyboard that are directly connected to the Cisco StadiumVision Director server to log into the TUI.

Upgrade Tasks

To upgrade your Cisco StadiumVision Director server from Release 3.1 to 3.2, complete the following tasks:

- [Running Proof of Play Reports, page 22](#) (as required)
- [Upgrading the Software From Release 3.1 SP2 to Release 3.2, page 22](#) (required)
- [Extending the Original RAID Volume to Create a Single Group, page 22](#) (as required)
- [Upgrading the DMP Firmware, page 22](#) (required)

- [Staging the Flash Template, page 22](#) (required)
- [Deploying Global DMP Settings, page 23](#) (required)

Running Proof of Play Reports

Before you perform the upgrade from Release 3.1 to 3.2, be sure that you have processed any outstanding Proof of Play reports. If you do not run these reports before the upgrade, the data will be lost.

For more information, see the [Cisco StadiumVision Proof of Play](#) module.

Upgrading the Software From Release 3.1 SP2 to Release 3.2

The upgrade from Cisco StadiumVision Director Release 3.1 to Release 3.2 is performed as an ISO upgrade using the Text Utility Interface (TUI).

For more information about how to perform the ISO upgrade, see the [“Appendix E: Using the TUI Upgrade Utility to Upgrade the Cisco StadiumVision Software”](#) module on page 67.

Extending the Original RAID Volume to Create a Single Group



Note

This task is only required if you had to install additional hard drives to meet the minimum hard drive requirement on the Platform 2 server for Cisco StadiumVision Director Release 3.1 as described in the [“Prerequisites”](#) section on page 21.

For information about running this task, see the [“Extending the Original RAID Volume to Create a Single Group”](#) section on page 58. Return to this module after extending the RAID volume to complete the remaining upgrade tasks, including Upgrading the DMP Firmware.

Upgrading the DMP Firmware

Cisco StadiumVision Director supports DMP-4310G Version 5.4.1 Build 4544.

For more information about how to perform the upgrade, see the [“Upgrading the DMP Firmware”](#) module on page 41.

Staging the Flash Template

To be sure that any changes that might have been made to the Cisco StadiumVision Director Flash Template (.swf file) are deployed to the DMPs, complete the following steps:

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- Step 1** Go to the Management Dashboard.
 - Step 2** From the DMP and TV Controls dashboard drawer, navigate to and select the following command: **DMP and TV Controls > DMP Install > Stage Template.**
 - Step 3** Select all of the DMP devices where the command should be applied.

- Step 4** Click the play button to run the command on the selected devices.
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Deploying Global DMP Settings

To apply the global MIB variable settings to all DMPs, complete the following steps:

- Step 1** Go to the Management Dashboard.
- Step 2** From the DMP and TV Controls dashboard drawer, navigate to and select the following command:
DMP and TV Controls > Global > Global DMP Settings.
- Step 3** Select all of the DMP devices where the command should be applied.
- Step 4** Click the play button to run the command on the selected devices.
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Verifying the Upgrade

To verify the upgrade, complete the following tasks:

- Step 1** Complete the verification tasks as described in the [“Appendix E: Using the TUI Upgrade Utility to Upgrade the Cisco StadiumVision Software”](#) module on page 67.
- Step 2** Use the [“Appendix A: Post-Upgrade Checklist”](#) module on page 45 to be sure that you have completed the required verification steps.
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