Appendix B: Using the TUI Upgrade Utility to Upgrade Cisco StadiumVision Director Remote Software

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This module describes how to upgrade an existing server already running Cisco StadiumVision Director Remote software. This procedure is also referred to generally as an *ISO upgrade* and is similar to the ISO upgrade on Cisco StadiumVision Director using the Text Utility Interface (TUI).

This module includes the following topics:

Best Practices

Before you begin upgrading an existing Cisco StadiumVision Director Remote server, consider the following best practices:

- Choose an appropriate down time to perform the upgrade on the Cisco StadiumVision Director Remote 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 4.1* 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 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.

- Shut down the Cisco StadiumVision Director Remote server and take a snapshot of the VMware system. Restart the Cisco StadiumVision Director Remote server to prepare for upgrade.

Prerequisites

Be sure that the following requirements are met before you upgrade your server:

- Your server is running a minimum of Cisco StadiumVision Director Remote Release 4.0.0-66 or higher.
- You have the IP address for the Cisco StadiumVision Director Remote server where you want to upload the ISO upgrade image. You will need to use this information as part of the URL to access the ISO upload utility.

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

- You have an installer account on the Cisco StadiumVision Director server.
- You have a laptop computer connected to the same network as the Cisco StadiumVision Director Remote server with an SSH client (such as PuTTY) to upgrade an existing server.

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Note   You also can use a monitor and keyboard that are directly connected to the Cisco StadiumVision Director Remote UCS C22 server to log into the TUI.

Information About Updating an Existing Cisco StadiumVision Director Remote Server Using the TUI

The ISO upgrade procedure for Cisco StadiumVision Director Remote software using the TUI includes the following tasks:

1. Downloading an ISO upgrade file from the software download site on Cisco.com.
2. Uploading the ISO file from your laptop to the Cisco StadiumVision Director Remote server using the upload utility through your browser.
3. Installing the ISO image using the upgrade utility in the TUI.

ISO Upgrade Files

You can store multiple ISO upgrade files on a Cisco StadiumVision Director server. The files will be displayed with a sequence number and the ISO filename in the TUI upgrade utility for you to select which file to install.
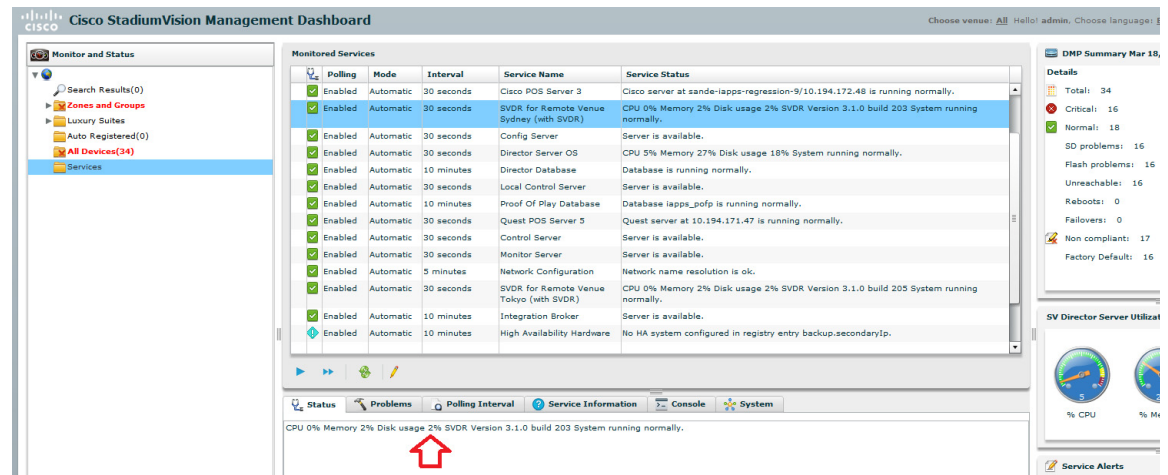
Disk Maintenance

There is no automatic aging of ISO upgrade files, but there is a utility to delete ISO upgrade files in the TUI.

You can see disk utilization for remote servers from the Management Dashboard on the centralized Cisco StadiumVision Director server, or you can use the TUI to get file system usage.

Figure 1 shows an example of disk utilization reporting available for a Cisco StadiumVision Director Remote server from the Management Dashboard.

Figure 1 ***Disk Utilization for Remote Server in Cisco StadiumVision Director Management Dashboard***

Upgrade Tasks

To upgrade your Cisco StadiumVision Director server, complete the following tasks:

- Downloading ISO Upgrade Files from Cisco.com, page 28 (required)
- Uploading an ISO Upgrade File to the Cisco StadiumVision Director Remote Server, page 28 (required)
- Installing the ISO Upgrade Image on the Cisco StadiumVision Director Remote Server, page 30 (required)

Downloading ISO Upgrade Files from Cisco.com

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

To download an ISO upgrade file, complete the following steps:

Step 1   Go to the Cisco StadiumVision Director software download site.

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Note   This site page is also available from the Cisco StadiumVision Director product support page by clicking **Download Software** > **Cisco StadiumVision Director**.

Step 2   Select the ISO upgrade, and optionally the companion MD5 checksum file, and download them.

Table 1 shows the filename conventions used for ISO upgrades.

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Note   Be sure that you choose the ISO for SVD-REMOTE and *not* for SV-DIRECTOR.

Table 1   ISO Filename Conventions for Cisco StadiumVision Director Remote

OVA Filename
SVD-REMOTE-UPGRADE-4.1.0-*nnn*.x86_64.iso[1]
SVD-REMOTE-UPGRADE-4.1.0-*nnn*.x86_64.iso.md5sum

1. "*nnn*" represents the build number.

You can download the files using one of the following methods:

- Download both files at one time—Select each file and click **Add to Cart**. Then at the top of the download page, click the "Download Cart (2 items)" link.
- Download each file independently—Click the **Download Now** button in the file selection box for each file.

Step 3   (Optional) To verify the integrity of your upgrade file from the download, you can use a command-line or GUI utility on your laptop to calculate the checksum on the .iso file. Open the .md5sum file to compare the value that you calculated with the expected value provided in the .md5sum file.

The values should match. If they do not, retry the download.

Uploading an ISO Upgrade File to the Cisco StadiumVision Director Remote Server

After you have downloaded the ISO upgrade file from Cisco.com, you need to upload the file to the Cisco StadiumVision Director Remote server using a URL from a browser to access the ISO uploader utility. Once you have uploaded the software to the server, then you will use the TUI to install the upgrade image.
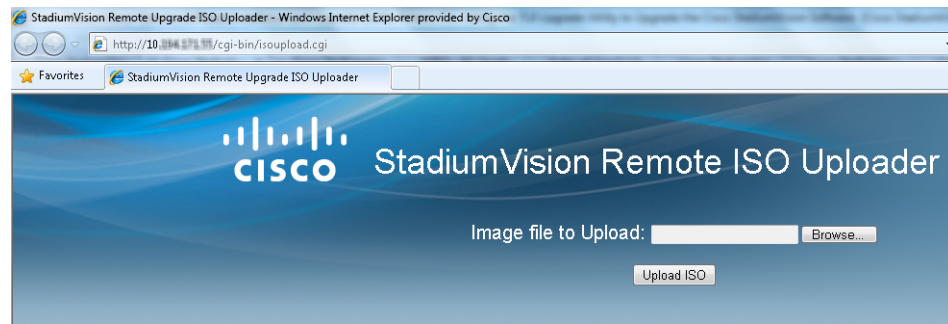
Prerequisites

Be sure that you know the IP address of the Cisco StadiumVision Director Remote server where you want to upload the file, and you have a supported browser version for Cisco StadiumVision Director.

To upload an ISO upgrade file to the Cisco StadiumVision Director Remote server, complete the following steps:

Step 1   Open your browser, and to go the following URL, where *x.x.x.x* is replaced by the IP address of the server where you want to upload the upgrade software (Figure 2):

`http://x.x.x.x/cgi-bin/isoupload.cgi`

Figure 2   *ISO Updater Utility*

Step 2   Click **Browse** (Figure 2).

Step 3   From the File Upload dialog box, navigate to the location of the ISO upgrade file that you downloaded from Cisco.com. Select the file that you want to upload and click **Open**.

Step 4   Click **Upload ISO**. The file is sent to the server.

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Caution   The upload might take several minutes. Do *not* refresh or reload the ISO Updater page while the upload process is running. Any interruption will corrupt the ISO image being uploaded.

When the ISO upload is complete, one of the following occurs:

* When the image is validated and uploaded successfully, a message is displayed stating that the ISO image has been uploaded.

* The image upload failed for some reason and you will need to retry the upload again.

Installing the ISO Upgrade Image on the Cisco StadiumVision Director Remote Server

To install the ISO upgrade image on the Cisco StadiumVision Director server, complete the following steps:

Step 1 From a laptop computer that is connected to the Cisco StadiumVision Server Remote network, use an SSH client to run a secure login to the Cisco StadiumVision Director Remote server using the IP address for your server.

Step 2 When the login prompt appears, enter the **installer** userid followed by the installer password at the password prompt.

Step 3 From the TUI Main Menu, go to the StadiumVision Remote Server Administration menu. Select the Upgrade Server option (type **b** and press **Enter**) (Figure 3):

Figure 3   ***TUI StadiumVision Remote Server Administration Menu Option for Server Upgrade***

```
Main Menu > StadiumVision Remote Server Administration

                  Please choose one of the following menu options:

                          a) Display Software Version
                          b) Upgrade Server
                          c) Restart StadiumVision Remote software
                          d) Shutdown StadiumVision Remote software
                          e) Reboot
                          f) Power Off
                  R or < or ,) Return to prior menu
```

Step 4 All of the ISO upgrade files that you have uploaded are displayed with a sequence number and the image name (Figure 4). Type the sequence number that corresponds to the image that you want to install, and press **Enter**.

Figure 4   ***ISO Upgrade Image File List***

```
0. - [Cancel]
1. - SVD-REMOTE-UPGRADE-3.1.0-205.x86_64.iso
2. - SVD-REMOTE-UPGRADE-3.1.0-203.x86_64.iso

Please select a number from above and press enter:
```

Step 5 When the upgrade configuration confirmation prompt appears, type **c** to continue (Figure 5):

Figure 5   ***TUI Upgrade Configuration Confirmation***

```
                  Are you sure you wish to upgrade? Push R to return to main menu
or C to continue.
c
```

The upgrade process begins (Figure 6).

Figure 6   **Start of Upgrade Process**

```
Beginning upgrade process...
umount: /var/sv/rpms/: not mounted
Loaded plugins: security
Cleaning up Everything
Loaded plugins: security
Cisco                                          |  951 B    00:00
Cisco/filelists                                |   18 kB   00:00
Cisco/other                                    |  8.2 kB   00:00
Cisco/primary                                  |   23 kB   00:00
svd-update                                     |  951 B    00:00
svd-update/filelists                           |  219 kB   00:00
svd-update/other                               |  1.4 MB   00:00
svd-update/primary                             |  141 kB   00:00
Cisco                                                      26/26
```

⚠

Caution   Wait until the upgrade process completes, which should only take a few minutes. *Do not* close the terminal while the upgrade is in progress. You will get notification once the installation is complete.

Step 6   When the "Upgrade complete" message appears, press any key. (Figure 7):

Figure 7   **End of ISO Upgrade Process**

```
Restarting SV-Remote services. Please wait...
Stopping StadiumVision Remote distribution
Using CATALINA_BASE:   /opt/sv/servers/distribution
Using CATALINA_HOME:   /opt/sv/servers/common
Using CATALINA_TMPDIR: /opt/sv/servers/distribution/temp
Using JRE_HOME:        /usr/java/latest
Using CLASSPATH:       /opt/sv/servers/common/bin/bootstrap.jar
Force stopping svd-distribution...
Stopping httpd:                                  [  OK  ]

Starting httpd
Starting httpd: [  OK  ]

Starting SV-Remote
Starting StadiumVision Remote distribution


Upgrade complete.
Press any key to return to the menu.
```

Verifying the Upgrade

To verify the upgrade, completing the following steps:

Step 1   Log into the TUI as installer on the Cisco StadiumVision Director Remote server.

Step 2   Go to **Services Control > StadiumVision Remote Services > All**.

Step 3   Select **Show Status** and confirm that the distribution service is reported as running normally (Figure 8):

Figure 8   **Verifying Distribution Service Status**

```
Calling sv-remote. Please wait for status below to ensure status.

*** StadiumVision Remote Overall Status ***
StadiumVision Remote distribution Running
Command completed sucessfully.
Press any key to return to the menu.
```

Step 4 Press any key to return to the All menu.

Step 5 Continue to return to the Main Menu and exit the TUI.