



StadiumVision



## **Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer Installation and Upgrade Guide**

Release 1.3

11/12/13

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## CONTENTS

### **Preface**   iii

Document Purpose	iii
Document Audience	iii
Related Documentation	iii

### **Installing Cisco StadiumVision Mobile Software**   1

Before You Begin	1
Supported Servers	1
Preparing for Installation	1
Set up hardware and connect cabling	2
Prepare the Install Media	2
Installation Guidelines	3
A. Install from the hard drive—UCS C220 Only	3
B. Installing via CIMC—UCS C220 Only	4
C. Installing from DVD—UCS C200 Only	7
Performing the Installation—Network Configuration	7
What To Do Next—Post-Installation Steps	10
Log into the TUI	10
Set the time zone	11
Set the server date and time	11
Configure NTP	11

### **Upgrading Cisco StadiumVision Mobile Software**   13

Before You Begin	13
Upgrade Guidelines	14
Upgrading Cisco StadiumVision Mobile Software	14

### **Appendix A: CIMC Configuration and Firmware Upgrade Guidelines on the Cisco UCS C220 Server**   17

CIMC Initial Configuration	17
Prerequisites	17
CIMC Initial Configuration Summary	18
CIMC Firmware Upgrade Guidelines	19
Before You Begin	19
Prerequisites	20
CIMC/BIOS Firmware Upgrade Summary	20

**Appendix B: Port Reference 23**

- Cisco StadiumVision Mobile Ports 23
  - Cisco StadiumVision Mobile Streamer Ports 23
  - Cisco StadiumVision Mobile Reporter Ports 24
  - Cisco StadiumVision Mobile Client Ports 25



# Preface

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Revised: 11/12/13  
Cisco StadiumVision Mobile Release 1.3

**Table 1**      *Document Revision History*

Date	Description
March 28, 2013	Initial release of Cisco StadiumVision Mobile.
October 30, 2013	Release of Cisco StadiumVision Mobile Release 1.3.

## Document Purpose

This document describes how to install the Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer software on a Cisco UCS C200 or Cisco UCS C220 server.

## Document Audience

The intended audience is Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer system administrators, Cisco Technical Field Engineers who are responsible for designing and deploying Cisco StadiumVision Mobile, and Cisco Partners. It is expected that readers of this document are familiar with basic IP networking and video technology, have a general understanding of the sports and entertainment business, and understand the objectives and operations of live events.

## Related Documentation

See the *Cisco StadiumVision Mobile Reporter Administration Guide* and *Cisco StadiumVision Mobile Streamer Administration Guide* for information about operating the Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer.

[http://www.cisco.com/en/US/products/ps11274/prod\\_maintenance\\_guides\\_list.html](http://www.cisco.com/en/US/products/ps11274/prod_maintenance_guides_list.html)

# Obtaining Documentation and Submitting a Service Request

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<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as an RSS feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service. Cisco currently supports RSS Version 2.0.



# Installing Cisco StadiumVision Mobile Software

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This module provides instructions for installing Cisco StadiumVision Mobile Reporter or Cisco StadiumVision Mobile Streamer software on both the Cisco UCS C220 and Cisco UCS C200 servers, and contains the following sections:

- [Before You Begin, page 1](#)
- [Prepare the Install Media, page 2](#)
- [Performing the Installation—Network Configuration, page 7](#)
- [What To Do Next—Post-Installation Steps, page 10](#)

## Before You Begin

Be sure that you understand and have met the following prerequisites before you begin to install Cisco StadiumVision Mobile hardware.

## Supported Servers

Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer are supported on the following platforms:

- Cisco UCS C220—uses Cisco Integrated Management Controller (CIMC) to perform the installation
- Cisco UCS C200—uses a DVD to perform the installation

## Preparing for Installation

This section describes the prerequisite actions before performing an installation. Perform the following action prior to installation:

- Contact [stadiumvision-pm@cisco.com](mailto:stadiumvision-pm@cisco.com) if you need the full install ISO file for a fresh install.

Have the following information available before installation:

- IPv4 Internet address
- Netmask
- Gateway

- DNS name server
- NTP server
- Hostname
- Proxy if direct internet access is not available

**Note**

---

Static network addressing should always be used.

---

## Set up hardware and connect cabling

- Set up the server hardware  
See the [Cisco UCS C200 Server Installation and Service Guide](#) or [Cisco UCS C220 Server Installation and Service Guide](#) for additional installation information.
- Connect a monitor, keyboard, and mouse to the Cisco UCS C220 or Cisco UCS C200.
- Connect the Cisco UCS C220 or Cisco UCS C200 to the network using the **eth0** Ethernet port on the rear panel.
- Connect the power cord.

## Prepare the Install Media

This section provides a high-level overview of the installation process, with links to platform-specific procedures in the subsections that follow. lists the platform, type of media, and file to use to perform a fresh installation.



**Cisco StadiumVision Mobile Fresh Installation Media and ISO File Type**

Product	Platform	Media	File to Use
Cisco StadiumVision Mobile Streamer or Cisco StadiumVision Mobile Reporter	Cisco UCS C220	Hard drive	Full ISO
	Cisco UCS C220	CIMC remote mount	
	Cisco UCS C200	DVD	

**Installation Guidelines**

When using a Cisco UCS C220 server, observe the following guidelines before starting the installation:

- Do **not** alter the RAID configuration prior to installation
- Verify the boot order in the BIOS (by pressing **F2** while booting) prior to installation

**Note**

If Cisco StadiumVision Mobile Streamer Release 1.1 was previously installed and upgraded to Release 1.2 (using a Release 1.2 upgrade RPM), you will need to install a full ISO to upgrade to Release 1.3.

Possible pseudo file corruption may result if a Cisco StadiumVision Mobile Streamer Release 1.3 upgrade ISO is used.

**Caution**

A full install will erase the Cisco StadiumVision Mobile Streamer configuration. Perform a backup prior to installing to preserve configuration data. See the *Cisco StadiumVision Mobile Streamer Administration Guide* for the manual backup procedure.

**A. Install from the hard drive—UCS C220 Only**

Use the following steps to perform the installation from the hard drive:

- Step 1** Be sure the CIMC firmware is up to date; configure CIMC (see [“Appendix A: CIMC Configuration and Firmware Upgrade Guidelines on the Cisco UCS C220 Server”](#)).
- Step 2** Power on the server.
- Step 3** When the server console shows a login prompt proceed to the [“Performing the Installation—Network Configuration”](#) section on page 7.

**Note**

Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer come preinstalled with a released image of Cisco StadiumVision Mobile software. Depending on the timing of your hardware shipment with available software releases, this image might not be the latest released version. Therefore, after you install your hardware, it is important that you power on and access the Cisco StadiumVision Mobile software to verify the software version. As necessary, you can upgrade the software following the guidelines in this guide and in the Cisco StadiumVision Mobile Release Notes.

## B. Installing via CIMC—UCS C220 Only

Use this method if method A is unavailable.

- Step 1** Verify that CIMC firmware and BIOS are up to date; configure CIMC (see “[Appendix A: CIMC Configuration and Firmware Upgrade Guidelines on the Cisco UCS C220 Server](#)”).



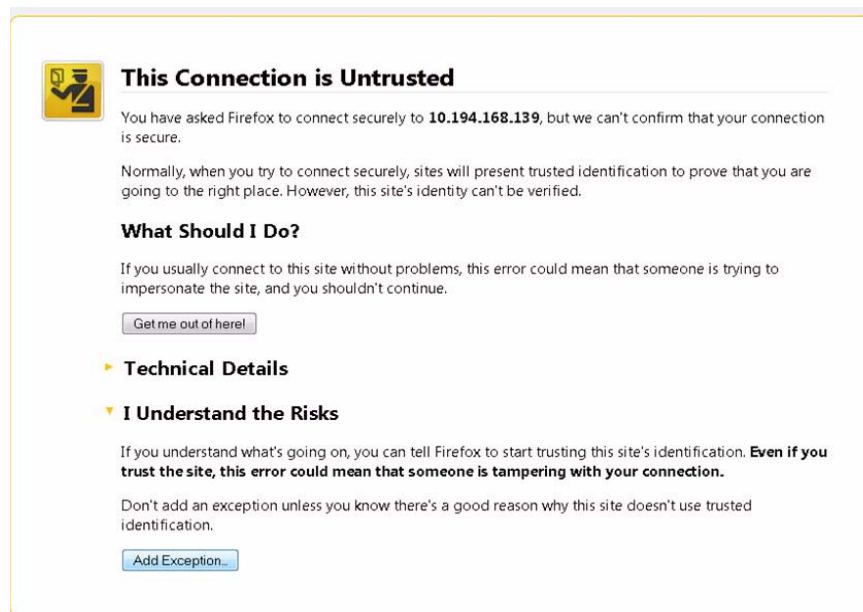
**Note** At this release, 1.5.1 firmware version is the minimum tested version.

- Step 2** Connect a second ethernet cable to the CIMC ethernet port marked **M**.

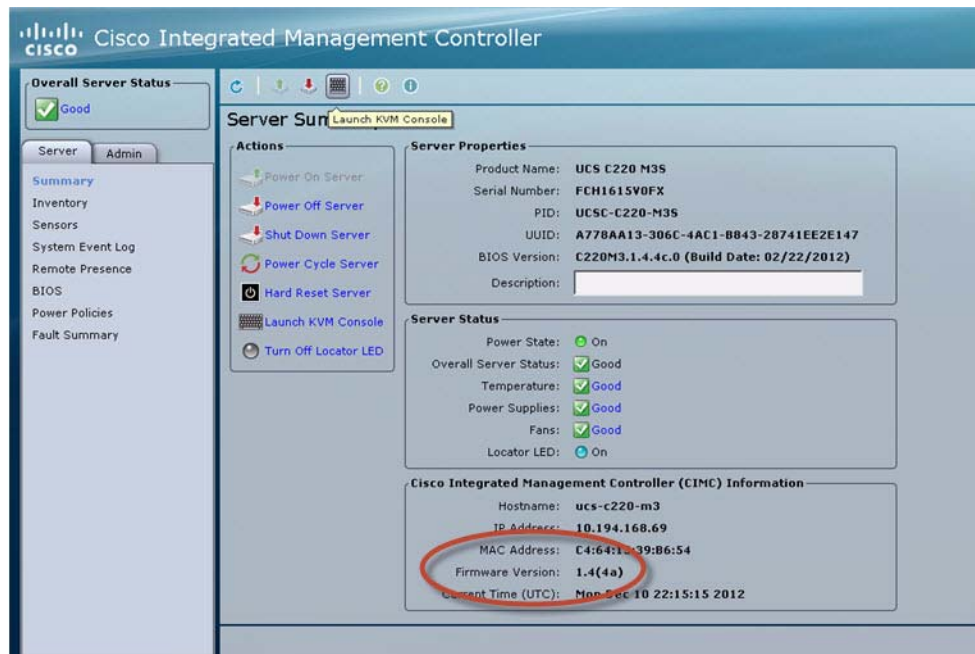
- Step 3** Power on the server.

- Step 4** Start CIMC and perform a virtual DVD mount:

- a. Access CIMC from a web browser:  
[https://ip\\_address/login.html](https://ip_address/login.html)
- b. Click the **Add Exception** button.



- c. Click **Confirm Security Exception** to get to the CIMC login page. The default login credentials are:  
user: admin  
password: password
- d. Click on the **Launch KVM Console** at the top of the CIMC interface to launch the KVM console.



The KVM tab provides a view of the system diagnostics or command prompt execution. The Virtual Media tab provides the virtual CD/DVD setup for ISO installation.

- e. Click on Add Image tab under the KVM Console Virtual Media tab.
- f. Navigate to the ISO file.



**Note**

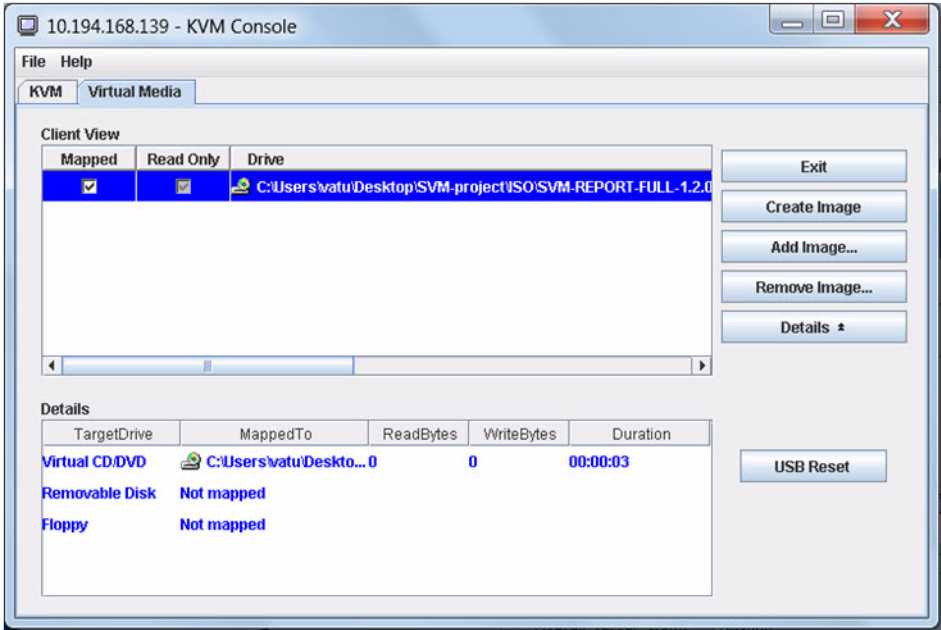
CIMC can experience slow performance. If slow performance occurs, clear the browser cache.



**Note**

If the installation seems to hang on a Cisco UCS C220, you may need to restart the installation by remapping the ISO image, and power cycling the Cisco UCS C220 server.

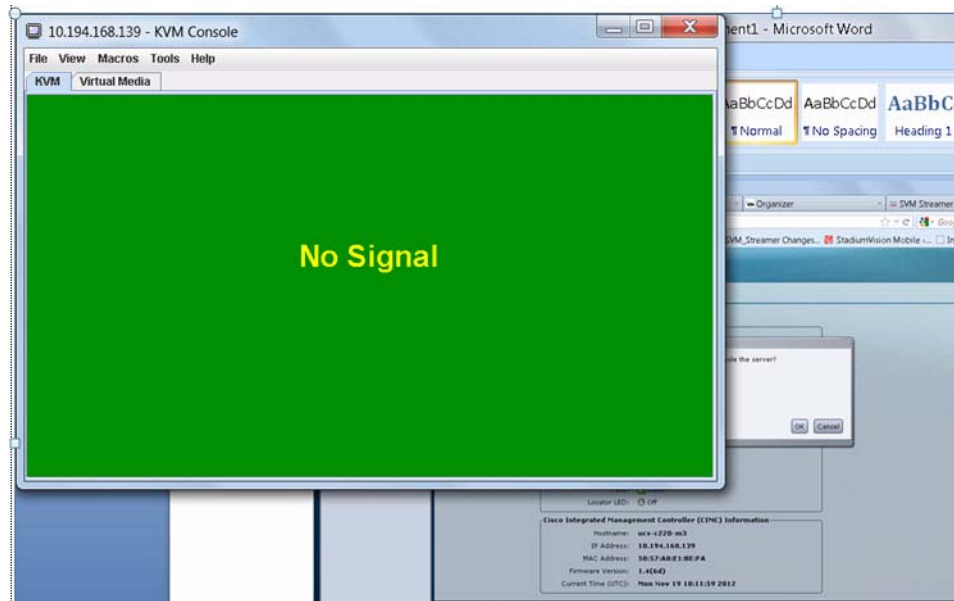
- g. Click the check box for the Mapped option under Client View to select the ISO source.
- h. Confirm that the Virtual CD/DVD has been added under the Virtual Media tab, Virtual CD/DVD.



- i. Double click on **Virtual CD/DVD** and observe the read bytes counter increasing (this refreshes the read bytes).
- j. Close the KVM tab to start viewing the installation process.
- k. On the CIMC interface under Server Summary, click **Power Cycle Server** to start the installation process.



- l. On the KVM Console/KVM terminal, confirm that the system is restarting and booting up from the Virtual CD/DVD.



- Step 5** When the server console shows a login prompt proceed to the “Performing the Installation—Network Configuration” section on page 7.

## C. Installing from DVD—UCS C200 Only

Use this method if your server is a Cisco UCS C200.

- Step 1** Obtain the full ISO image from TAC, or by emailing [stadiumvision-pm@cisco.com](mailto:stadiumvision-pm@cisco.com), and burn it to a DVD.
- Step 2** Insert a DVD into the drive and power on the server.
- After the server boots from the DVD, follow the prompts.
  - The installation process begins. When the installation is complete, the Cisco logo appears.
  - Press **F6** to continue booting
- Step 3** When the server console shows a login prompt proceed to the “Performing the Installation—Network Configuration” section on page 7.

## Performing the Installation—Network Configuration

This part of the installation process is common to all platforms and all Cisco StadiumVision Mobile software. Use the following procedure after performing the steps in any of the preceding sections:

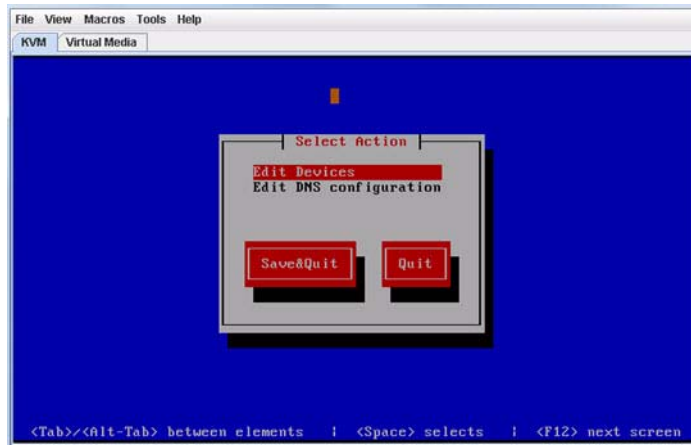
- Step 1** Select **Network Configuration** from the menu.



### Note

The network configuration window displays for approximately sixty minutes. If the window disappears, continue the network configuration via the TUI.

**Step 2** Select **Edit Devices** and press the Enter key.



**Step 3** Select **eth0** and press the Enter key.

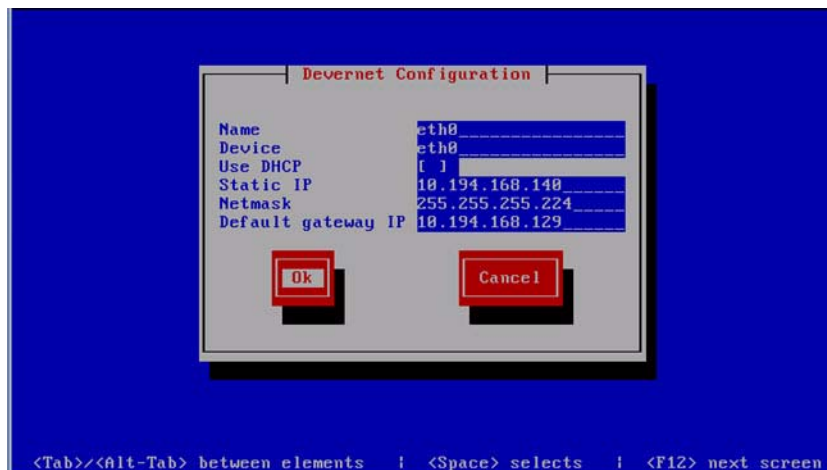
**Step 4** In the Ethernet Configuration, enter the network information. When done, select **OK** and press Enter.

**Note**

The Linux screen is mislabeled "Devernet Configuration."

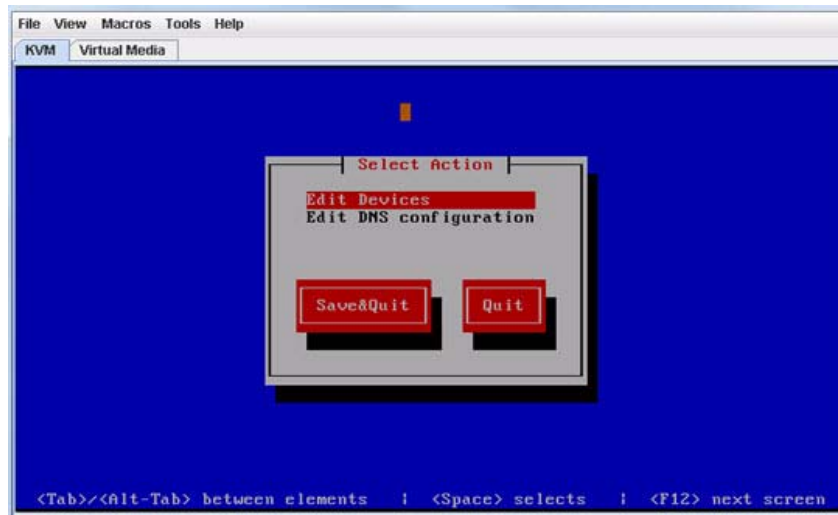
**Note**

The Cisco StadiumVision Mobile Streamer or Cisco StadiumVision Mobile Reporter must use a static IP address.

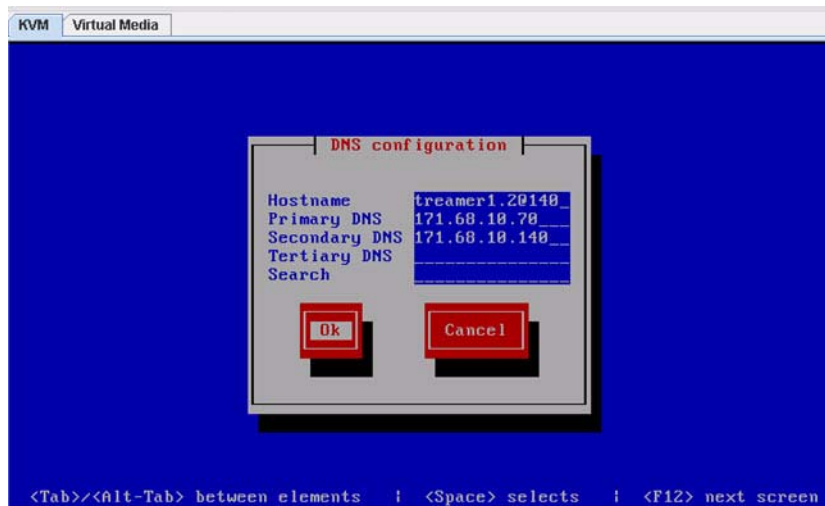


**Step 5** Select **OK** and press the Enter key.

**Step 6** Select **Edit DNS configuration** and press Enter.



**Step 7** Enter DNS information. When done, select **OK**, and press Enter.



**Note** Do not use a period ('.') as part of the hostname.

**Step 8** Select **Save & Quit** and press the Enter key.

**Step 9** Select **Exit** and press the Enter key.

After this step, the Cisco StadiumVision Mobile software installs and the system reboots. This process takes up to 30 minutes. The installation should be completed. Validate the installation by logging into the StadiumVision Mobile Streamer or StadiumVision Mobile Reporter using the credentials listed in [Table 1](#).

## What To Do Next—Post-Installation Steps

This section describes procedures to perform after successfully installing Cisco StadiumVision Mobile software, and contains the following topics:

- [Log into the TUI, page 10](#)
- [Set the time zone, page 11](#)
- [Set the server date and time, page 11](#)
- [Configure NTP, page 11](#)

Table 1 lists the login credentials for the various Cisco StadiumVision Mobile components.

**Table 1** Login Credentials

Device	Access	Usage	User Name and Password
Cisco StadiumVision Mobile Reporter	<a href="http://server ip address">http://server ip address</a>	Client report login	'marketing' - marketing charts 'admin' - server administration chart default password: cisco!123
Cisco StadiumVision Mobile Streamer	<a href="http://server ip address">http://server ip address</a>	Configuration	GUI: Log in as 'admin' default password: cisco!123
Cisco StadiumVision Mobile Reporter or Cisco StadiumVision Mobile Streamer	<a href="SSH server ip address">SSH server ip address</a>	Text Utility Interface (TUI)	username = installer password = cisco!123
Cisco Integrated Management Controller (CIMC) running on a Cisco UCS C220	<a href="http:// CIMC ip address">http:// CIMC ip address</a>	Mount install media	'admin' - CIMC initial configuration default password: password

### Log into the TUI

To access the TUI, you need either physical console access or an SSH client such as PUTTY. Log in from the console or over SSH with the following credentials, using the IP address of the Cisco StadiumVision Mobile Reporter or Cisco StadiumVision Mobile Streamer:

```
username = installer
password = cisco!123
```



## Set the time zone



**Note** Set the time zone for both the Cisco StadiumVision Mobile Reporter and the Cisco StadiumVision Mobile Streamer.

- Step 1** Log into the TUI using the procedure in the [“Log into the TUI”](#) section.
- Step 2** In the TUI, go to System Settings, Date and Time Settings, and Change timezone.
- Step 3** Choose the appropriate timezone from the list and enter the corresponding number.

## Set the server date and time



**Note** Set the server date and time for both the Cisco StadiumVision Mobile Reporter and the Cisco StadiumVision Mobile Streamer.

- Step 1** Log into the TUI using the procedure in the [“Log into the TUI”](#) section.
- Step 2** In the TUI, go to System Settings, Date and Time Settings, and Set System date.
- Step 3** Enter the date using the following format:

MMDDHHMIYYYY for Month Day Hour Minute Year

## Configure NTP



**Note** Configure NTP for both the Cisco StadiumVision Mobile Reporter and the Cisco StadiumVision Mobile Streamer.

- Step 1** Log into the TUI using the procedure in the [“Log into the TUI”](#) section with the following credentials:
- ```
User: installer  
Password: cisco!123
```
- Step 2** The TUI (Text User Interface) will appear on the screen.
- Step 3** Select **Configure NTP** from the System Settings/Date and Time Settings menu:



**Note** The default time zone is Eastern Standard Time (EST).

- Step 4** Set the NTP server address.





# Upgrading Cisco StadiumVision Mobile Software

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This module provides instructions for upgrading Cisco StadiumVision Mobile Reporter or Cisco StadiumVision Mobile Streamer software on both the Cisco UCS C220 and Cisco UCS C200 servers, and contains the following sections:

- [Before You Begin, page 13](#)
- [Upgrading Cisco StadiumVision Mobile Software, page 14](#)

## Before You Begin

Before upgrading, perform the following actions:

- Download the upgrade ISO from <http://software.cisco.com/download/navigator.html?mdfid=283479662&i=rm>

### Cisco StadiumVision Mobile Streamer

- 1.2 to 1.3: **SVM-STREAM-UPGRADE-1.3.0-xxx.x86\_64\_FOR-1.2.iso**
- 1.3 to 1.3+: **SVM-STREAM-UPGRADE-1.3.0-xxx.x86\_64.iso**

### Cisco StadiumVision Mobile Reporter

- 1.2 to 1.3, or 1.3 to 1.3+: **SVM-REPORT-UPGRADE-1.3.0-xxx.x86\_64.iso**



#### Note

If Cisco StadiumVision Mobile Streamer Release 1.1 was previously installed and upgraded to Release 1.2 (using a Cisco StadiumVision Mobile Streamer Release 1.2 upgrade RPM), you will need to install a full ISO to upgrade to Release 1.3.

Possible sudo file corruption may result if a Cisco StadiumVision Mobile Streamer Release 1.3 upgrade ISO is used.



#### Caution

A full ISO install will erase the Cisco StadiumVision Mobile Streamer configuration. Perform a backup prior to installing to preserve configuration data. See the *Cisco StadiumVision Mobile Streamer Administration Guide* for the manual backup procedure.

## Upgrade Guidelines

When using a Cisco UCS C220 server, observe the following guidelines before starting the upgrade:

- Do **not** alter the RAID configuration prior to upgrading
- Verify the boot order in the BIOS (by pressing **F2** while booting) prior to upgrading; the virtual DVD should be the primary boot device

## Upgrading Cisco StadiumVision Mobile Software

The Cisco StadiumVision Mobile Reporter releases 1.2 and later, and Cisco StadiumVision Mobile Streamer releases 1.3 and later can be upgraded using a combination of the web browser user interface, and the TUI.

To upgrade Cisco StadiumVision Mobile software, use the following procedure:

**Step 1** Navigate to the ISO Updater in a web browser, using the following address:

<ip address/cgi-bin/isoupload.cgi>

Image file to Upload:  No file chosen

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**Step 2** Click on the **Choose File** button, navigate to the ISO file, and click the **Upload ISO** button.

The ISO image is copied to the hard drive.

**Step 3** Access the TUI, using the procedure in the “[Log into the TUI](#)” section.

**Step 4** Navigate to the server upgrade option.

```

Main Menu

Please choose one of the following menu options:

a) System Settings
b) System Accounts
c) Services Control
d) Server Administration
e) Troubleshooting
X) Exit

```

```
StadiumVision Mobile Reporter Configuration Menu
Hostname:          SVM-00
IP address:        10.194.168.131
Software version: 1.2.0 build 491           Time: Tue Jan 29 08:54:22 PST 2013
-----
0. - [Cancel]
1. - SVM-REPORT-UPGRADE-1.2.0-488.x86_64.iso
2. - SVM-REPORT-UPGRADE-1.2.0-481.x86_64.iso
3. - SVM-REPORT-UPGRADE-1.2.0-486.x86_64.iso
4. - SVM-REPORT-UPGRADE-1.2.0-491.x86_64.iso
5. - SVM-REPORT-UPGRADE-1.2.0-485.x86_64.iso
6. - SVM-REPORT-UPGRADE-1.2.0-482.x86_64.iso
7. - SVM-REPORT-UPGRADE-1.2.0-483.x86_64.iso
8. - SVM-REPORT-UPGRADE-1.2.0-487.x86_64.iso

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

- Step 5** Choose the desired software upgrade from the list and press enter.  
The server begins the upgrade process.
-





# Appendix A: CIMC Configuration and Firmware Upgrade Guidelines on the Cisco UCS C220 Server

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**First Published: March 22, 2013**

This document provides guidelines for configuring the Cisco Integrated Management Controller (CIMC) interface and performing the initial configuration, and upgrading the CIMC/BIOS firmware on the Cisco UCS C220 servers for Cisco StadiumVision Mobile.



## Note

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Use the information in this appendix only as a guide to the tasks that you need to perform for CIMC configuration or upgrade, but follow the procedures in the referenced Cisco UCS documents.

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This section includes the following topics:

- [CIMC Initial Configuration, page 17](#) (required)
- [CIMC Firmware Upgrade Guidelines, page 19](#) (as required)

## CIMC Initial Configuration

This section includes the following topics:

- [Prerequisites, page 17](#)
- [CIMC Initial Configuration Summary, page 18](#)

## Prerequisites

Be sure that the following requirements are met before you do the CIMC initial configuration:

- You have a monitor, keyboard, and mouse that you can connect to the server.
- You have the following information for configuring the internal Cisco Integrated Management Controller (CIMC) interface:
  - You have an additional IP address for static configuration.

**Tip**

This is a different IP address than the IP address that you configure for the eth0 network interface on the Cisco StadiumVision server.

- You have the VLAN ID if the server will be installed on a network VLAN.
- You are prepared to change the default CIMC login password.
- You have a laptop with access to the Cisco StadiumVision network.
- Your computer meets the minimum browser and Flash player requirements for the Cisco StadiumVision server, and also has Java 1.6 or later installed.

See the release notes for your Cisco StadiumVision product and release at:

[http://www.cisco.com/en/US/products/ps11274/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/ps11274/prod_release_notes_list.html)

- You have a copy of or access to the following documents on Cisco.com:
  - *Cisco UCS C220 Server Installation and Service Guide*  
Familiarize yourself with the “Initial Server Setup” topic of the “Installing the Server” chapter.
  - *Cisco UCS C-Series Servers Integrated Management Controller GUI Configuration Guide, Release 1.4*

(or the version that corresponds to your firmware release found at:

[http://www.cisco.com/en/US/products/ps10739/products\\_installation\\_and\\_configuration\\_guides\\_list.html](http://www.cisco.com/en/US/products/ps10739/products_installation_and_configuration_guides_list.html).)

Familiarize yourself with the “Overview” chapter, and the “Managing the Server Boot Order” section of the “Managing the Server” chapter.

## CIMC Initial Configuration Summary

This section provides an overview of the basic tasks to be completed when performing the initial CIMC configuration in standalone mode for a Cisco StadiumVision server after you have unpacked and inspected it and prepared it for installation.

**To perform the CIMC initial configuration, complete the following tasks:**

|               | Description                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | <b>Configuring the CIMC Interface</b><br><b>Note</b> The instructions for configuring the CIMC interface are found in the “Initial Server Setup” topic of the “Installing the Server” chapter in the <i>Cisco UCS C220 Server Installation and Service Guide</i> .                                                                                                                                                            |
| <b>Step 1</b> | During bootup, press <b>F8</b> when prompted to open the BIOS CIMC Configuration Utility.                                                                                                                                                                                                                                                                                                                                     |
| <b>Step 2</b> | Configure the CIMC interface with the following settings: <ul style="list-style-type: none"> <li>• DHCP—Disabled. You must change this option to enter a static IP address.</li> <li>• CIMC IP—IPv4 address for your CIMC interface, with corresponding subnet mask.</li> <li>• VLAN—Dependent on client network.</li> <li>• Change the CIMC password. The default credential is <b>admin</b> and <b>password</b>.</li> </ul> |
| <b>Step 3</b> | Press <b>F10</b> to save your configuration and reboot the server.                                                                                                                                                                                                                                                                                                                                                            |



|               | Description                                                                                                                                                                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | <p><b>Configuring the NIC Properties</b></p> <p><b>Note</b> Information about configuring the NIC properties are found in the “Initial Server Setup” topic of the “Installing the Server” chapter in the <i>Cisco UCS C220 Server Installation and Service Guide</i>.</p>                                                               |
| <b>Step 4</b> | From a laptop with access to the Cisco StadiumVision network, use a browser and type the IP address that you configured for the CIMC interface to connect to the CIMC console.                                                                                                                                                          |
| <b>Step 5</b> | Log into the CIMC console with username <b>admin</b> and the password that you configured in <a href="#">Step 2</a> .                                                                                                                                                                                                                   |
| <b>Step 6</b> | <p>From the <b>Admin</b> tab, click <b>Network</b>, and go to the <b>Network Settings</b> page.</p> <p>In the NIC Properties box configure the following settings and save your changes:</p> <ul style="list-style-type: none"> <li>• NIC mode—Dedicated</li> <li>• NIC Redundancy—None</li> </ul>                                      |
|               | <p><b>Configuring the Server Boot Order</b></p> <p><b>Note</b> The instructions for configuring the server boot order are found in the “Managing the Server Boot Order” section of the “Managing the Server” chapter of the <i>Cisco UCS C-Series Servers Integrated Management Controller GUI Configuration Guide, Release 1.4</i></p> |
| <b>Step 7</b> | From the <b>Server</b> tab, click <b>BIOS</b> .                                                                                                                                                                                                                                                                                         |
| <b>Step 8</b> | <p>Configure the following boot order and save your changes:</p> <ul style="list-style-type: none"> <li>• Virtual CD/DVD</li> <li>• HDD</li> </ul>                                                                                                                                                                                      |

## CIMC Firmware Upgrade Guidelines

This section includes the following topics:

- [Before You Begin, page 19](#)
- [Prerequisites, page 20](#)
- [CIMC/BIOS Firmware Upgrade Summary, page 20](#)

### Before You Begin

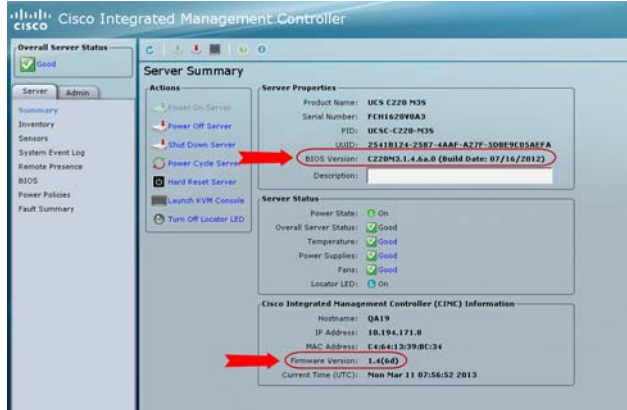
See the release notes for your Cisco StadiumVision product and release at:

[http://www.cisco.com/en/US/products/ps11274/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/ps11274/prod_release_notes_list.html)

- Find the minimum CIMC/BIOS versions tested for your Cisco StadiumVision Mobile platform.

- From your Cisco StadiumVision platform, verify the CIMC and BIOS firmware versions in the CIMC console (Figure 1).

**Figure 1** Firmware Verification From the CIMC Console



**Note**

Unless there is another reason why an upgrade has been found to be needed, no upgrade should be needed if your server firmware is at the minimum tested version (or later) for the Cisco StadiumVision release that you are running.

## Prerequisites

Be sure that the following requirements are met before you perform a CIMC/BIOS firmware upgrade:

- You have a copy of or access to the following documents on Cisco.com:
  - Release Notes for Cisco UCS C-Series Software, Release 1.4(6)*  
(or the version that corresponds to your firmware release found at: [http://www.cisco.com/en/US/products/ps10739/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/ps10739/prod_release_notes_list.html))
  - Cisco Host Upgrade Utility Release 1.4(6) Quick Start Guide*  
(or the version that corresponds to your firmware release found at: [http://www.cisco.com/en/US/products/ps10493/products\\_user\\_guide\\_list.html](http://www.cisco.com/en/US/products/ps10493/products_user_guide_list.html))
 Familiarize yourself with all of the requirements in these documents to perform your CIMC/BIOS firmware upgrade.
- You have access to Cisco.com to download the firmware ISO file.

## CIMC/BIOS Firmware Upgrade Summary



**Caution**

Be sure to follow the requirements in the release notes and the Host Upgrade Utility (HUU) guide for your firmware, including making sure that you upgrade both the CIMC and BIOS at the same time and from the HUU ISO file.

To perform the CIMC/BIOS firmware upgrade, complete the following tasks:

|               | Description                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Step 1</b> | <p>Using the release notes for the firmware version that you need to install, find the name of the ISO file that applies to the Cisco UCS C220 server for that firmware.</p> <p><b>Note</b> The release 1.4(x) firmware HUU ISO files are platform-specific.</p>                                                                                                                            |
| <b>Step 2</b> | <p>Follow the instructions in the Host Upgrade Utility guide:</p> <p><b>Note</b> The Cisco UCS C220 server does not have a CD/DVD drive.</p> <ul style="list-style-type: none"><li>• Go to Cisco.com and download the HUU ISO file.</li><li>• Follow the instructions to load the ISO that you downloaded and be sure that both the CIMC and BIOS firmware are upgraded together.</li></ul> |





## Appendix B: Port Reference

**First Published: November 12, 2013**

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The following tables identify the default ports used by Cisco StadiumVision Mobile:

- [Cisco StadiumVision Mobile Ports, page 23](#)
- [Cisco StadiumVision Mobile Reporter Ports, page 24](#)
- [Cisco StadiumVision Mobile Client Ports, page 25](#)

### Cisco StadiumVision Mobile Ports

The Cisco StadiumVision Mobile ports are divided into tables for Cisco StadiumVision Mobile Streamer, Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile client ports.

#### Cisco StadiumVision Mobile Streamer Ports

[Table 1](#) lists the input ports used by all Cisco StadiumVision Mobile Streamer servers.

**Table 1** *Cisco StadiumVision Mobile Streamer Input Ports*

| Originator                                                       | Protocol | Port                | Target Application | Usage                    | Supported Software Version |
|------------------------------------------------------------------|----------|---------------------|--------------------|--------------------------|----------------------------|
| Management computer                                              | TCP      | 22                  | TUI                | Streamer TUI.            | 1.2 or later               |
| Management computer                                              | TCP      | 80                  | Streamer           | Web user interface.      | 1.0 or later               |
| Management computer                                              | TCP      | 2812                | monit              | Monit user interface.    | 1.2 or later               |
| Cisco StadiumVision Mobile Streamer UI or other REST application | TCP      | 4040 (configurable) | Streamer           | Streamer REST interface. | 1.0 or later               |

## Cisco StadiumVision Mobile Reporter Ports

Table 2 and Table 3 list the ports used by Cisco StadiumVision Mobile Reporter server instances only during troubleshooting access from a PC.

**Table 2** Cisco StadiumVision Mobile Reporter Input Ports

| Originator                                                                                                   | Protocol | Port | Target Application | Usage                                                                  | Supported Software Version |
|--------------------------------------------------------------------------------------------------------------|----------|------|--------------------|------------------------------------------------------------------------|----------------------------|
| Management computer                                                                                          | TCP      | 22   | SSH                | Reporter TUI.                                                          | 1.2 or later               |
| Management computer                                                                                          | TCP      | 7150 | JMX                | Unsupported JMX management client; can be disabled when not debugging. | 1.2 or later               |
| Cisco StadiumVision Mobile Reporter User and Management                                                      | TCP      | 80   | Reporter           | Web user interface.                                                    | 1.0 or later               |
| Cisco StadiumVision Mobile Reporter User and Management, Cisco StadiumVision Mobile Streamer, mobile clients | TCP      | 8080 | Reporter           | Web user interface.                                                    | 1.0 or later               |

**Table 3** Cisco StadiumVision Mobile Reporter Output Ports

| Originator                          | Protocol | Port | Target Application | Usage                                         | Supported Software Version |
|-------------------------------------|----------|------|--------------------|-----------------------------------------------|----------------------------|
| Cisco StadiumVision Mobile Reporter | https    | 443  | —                  | Reporter to Prime Infrastructure (PI) server. | 1.3 or later               |
| Cisco StadiumVision Mobile Reporter | ntp      | —    | —                  | Reporter to NTP server.                       | 1.2 or later               |
| Cisco StadiumVision Mobile Reporter | icmp     | —    | ping               | Reporter to PI server.                        | 1.3 or later               |

## Cisco StadiumVision Mobile Client Ports

The Cisco StadiumVision Mobile client SDK does not expose anything to the outside world. It listens on a well known multicast address for the multicast address of content to offer. It also publishes stats to the reporter if reporters are configured in the advertisements.

