



# Cisco Video Surveillance Manager Recovery Guide (Cisco Connected Safety and Security UCS Platform Series), Release 7.5

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**Revised March 25, 2013**

This document describes how to create a recovery flash drive for Cisco Video Surveillance Manager (Cisco VSM) Release 7.5, running on the Cisco Connected Safety and Security UCS Platform Series servers. This bootable USB drive contains a recovery image that you can use to restore the operating system on a server, or restore the server to the factory state, if needed.

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## Supported Servers

The Cisco VSM Release 7.5 recovery image is supported by the Cisco Connected Safety and Security UCS Platform Series servers, including the following:

- Cisco Connected Safety and Security UCS C220: CPS-UCS-1RU-K9
- Cisco Connected Safety and Security UCS C240: CPS-UCS-2RU-K9



**Note** Other server models and servers shipped with earlier versions of the Cisco VSM software are not compatible with the recovery process described in this document.



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# Creating a Recovery Flash Drive

This section describes how to create a recovery flash drive by obtaining the recovery image and placing it on a USB flash drive.

## Requirements

The USB flash drive that you use must:

- Have a capacity of at least 8 GB
- Contain no files other than the recovery image files

Cisco recommends using USB memory sticks that are made by Kingston or SanDisk.

## Procedure

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**Step 1** Insert a USB drive into a PC port (see the “[Requirements](#)” section on page 2).

**Step 2** Download the recovery image on the Windows PC:

- a. Go to  
<http://software.cisco.com/download/release.html?mdfid=282976740&softwareid=281933881&release=7.5.0&relind=AVAILABLE&rellifecycle=&reltype=latest>
- b. Select the release number for your deployment.
- c. Click **Download** for the recovery image and follow the on-screen instructions to download the recovery file named VSM7.5.0-33i-rhel6.img.

**Step 3** Download and install a utility used to raw write a binary image to a USB disk.

For example: see the [Win32 Disk Imager](#) download at:

<http://sourceforge.net/projects/win32diskimager/files/latest/download>

**Step 4** Write the recovery image to the disk:

- a. Launch the disk image utility and select the binary recovery file.
- b. Select the destination USB drive.
- c. Follow the utility instructions to create the recovery disk.

**Step 5** Remove the USB stick from the Windows PC.

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# Recovering the Operating System from a Flash Drive

This section describes how to use a recovery flash drive to restore the operating system on a server.

## Requirements

- Prepare a flash drive as described in the “[Creating a Recovery Flash Drive](#)” section on page 2
- Disconnect any USB or external storage devices (including SAN storage) from the server
- Installation is supported only if the RAID disks are in a non-bad, non-failed state

### Procedure

To restore the operating system from a recovery flash drive, follow these steps:

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- Step 1** Power off the server on which you need to restore the operating system.
  - Step 2** Disconnect (unplug) any USB storage devices and any external storage (such as SAN storage connected through a fibre channel) that are connected to the server.  
This ensures that only the recovery flash drive is attached to the server and prevents other storage devices from accidentally being cleared by the recovery process.
  - Step 3** Put the recovery flash drive in a USB port on the server and power on the server.
  - Step 4** When the Cisco logo appears, press the **F6** key to select the boot device.
  - Step 5** Select the USB recovery flash drive and press **Enter**.
  - Step 6** At the “boot>” prompt, type one of the following options and press **Enter**:

**Table 1 Recovery Options**

Option	Description
<b>recovery</b>	<p>Reinstalls the operating system.</p> <ul style="list-style-type: none"> <li>• Recorded video and configurations are preserved.</li> <li>• RAID configurations are preserved (only the OS partitions are formatted).</li> </ul>
<b>factory</b>	<p>Restores the server to the factory default settings:</p> <ul style="list-style-type: none"> <li>• Reinstalls the operating system</li> <li>• Clears and reconfigures the RAID</li> </ul> <p><b>Note</b> You must disconnect any external storage before using this option</p> <p> <b>Caution</b> This action deletes all data and video files.</p>
<b>factory_raid5</b>	<p>Restores a Cisco Connected Safety and Security UCS C240 server to the factory default settings, including:</p> <ul style="list-style-type: none"> <li>• Reinstalls the operating system</li> <li>• Clears and reconfigures the RAID</li> </ul> <p><b>Note</b> Valid only on the Cisco Connected Safety and Security UCS C240 with 6 or 12 internal drives.</p> <p><b>Note</b> You must disconnect any external storage before using this option.</p> <p> <b>Caution</b> This action deletes all data and video files.</p>
<b>rescue</b>	Boot to prompt from USB media. Use this option to recover a password or for other administrative tasks



**Tip** To skip software reinstallation remove the USB flash drive and reboot the server by pressing CTRL+ALT+DEL keys.

When the installation is complete, you are prompted to reboot.

**Step 7** Remove the USB flash drive and reboot the server.

**Step 8** On the server, configure system, network, and related settings as appropriate for your deployment.

For instructions, see the “System Setup” chapter in *Cisco Video Surveillance Management Console Administration Guide, Release 7.5*.

## Related Documentation

### Installation and Administration

[Cisco Physical Security UCS Platform Series User Guide](#).

[http://www.cisco.com/en/US/products/ps10823/products\\_user\\_guide\\_list.html](http://www.cisco.com/en/US/products/ps10823/products_user_guide_list.html)

### Additional Server Hardware and Software Documentation

[Cisco UCS C-Series Server Documentation \(Roadmap\)](#)

<http://www.cisco.com/go/unifiedcomputing/c-series-doc>

### Cisco Video Surveillance 7 Documentation Roadmap

Descriptions and links to Cisco Video Surveillance documentation, server and storage platform documentation, and other related documentation.

<http://www.cisco.com/go/physicalsecurity/vsm/roadmap>

### Cisco Physical Security Product Information:

[www.cisco.com/go/physicalsecurity/](http://www.cisco.com/go/physicalsecurity/)

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