Overview of Cisco Video Management and Storage System Software Installation

Last Updated: September 7, 2010

After the Cisco Video Management and Storage System application is installed on the enhanced network module, it is called the Cisco Video Management and Storage System module. This guide provides the set of procedures and command-line interface (CLI) commands for installing and upgrading the Cisco Video Management and Storage System application.

This guide supports features for the Cisco Video Management and Storage System network module. To view the product feature history, see Release Notes for the Cisco Video Management and Storage System, which lists feature support for Cisco Video Management and Storage System application versions.

Note
Cisco Video Management and Storage System module is typically shipped from the factory with the application software preinstalled. Do not reinstall the software.

To make sure that the Cisco Video Management and Storage System module is operational, complete the following steps:

1. Make sure that the Cisco Video Management and Storage System hardware is properly installed in the Cisco 2800 Series or 3800 Series Integrated Services Router (ISR). For instructions on installing the Cisco Video Management and Storage System hardware, see Installing Cisco Network Modules in Cisco Access Routers.
2. Activate IP connectivity to the Cisco Video Management and Storage System application, as described in the Activating IP Connectivity chapter.
3. Complete the appropriate tasks and procedures in this guide for installing new software or upgrading the application from an earlier version.
4. After the software is installed, perform the administrative and configuration tasks described in the Cisco Video Management and Storage System CLI Administrator Guide.

Note
The Cisco Video Management and Storage System module supports an Internet SCSI (iSCSI) to an external storage device. We recommend, but do not require, that the external Gigabit Ethernet connector be used for iSCSI connection. The Gigabit Ethernet port on the faceplate of the network module and the Gigabit Ethernet port on the router can be configured as iSCSI connections.
This guide describes installation of new software or upgrades to existing software for the Cisco Video Management and Storage System module. It does not provide information on installing Cisco routers or other Cisco network modules. For information about those topics, see the “Additional References” section on page 4.

This chapter contains the following topics:

- Software Upgrade Process, page 2
- Types of Software Installations and Upgrades, page 2
- Platforms and Cisco IOS Software Images, page 3
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**Software Upgrade Process**

For a complete list of versions and the upgrade processes available for them, see the software upgrade process matrix in *Release Notes for the Cisco Video Management and Storage System*.

Upgrading the existing software of Cisco Video Management and Storage System module involves the following procedures:

1. Clean install or upgrade using the appropriate processes.
2. Configure new features, if appropriate. For details on configuring the software on the Cisco Video Management and Storage System module, see *Cisco Video Management and Storage System CLI Administrator Guide*.

**Types of Software Installations and Upgrades**

Choose the appropriate software installation methods to upgrade or install new software on the Cisco Video Management and Storage System module for the type of installation required:

- Upgrade installation—Follow this procedure to upgrade from an earlier software version to the current one. Only upgrades from version 1.1 to later versions are supported. To upgrade, use the online installer with the `software install upgrade` command. Backup of your configuration and data files is not required for this procedure. See the “Upgrading Software Using the Online Installer (No Backup and Restore Required)” chapter for details.

- Clean installation—Use one of the following two processes to install software, depending on whether your system is operational or offline:
  - Clean installation without boot helper—Installs new software using the online installer with the `software install clean` command. The system remains operational while the new software files are downloaded in the background. Before installing a new software image, you must back up your configuration and data files and restore them after installation is complete. See the “Installing New Software Using the Online Installer (Backup and Restore Required)” chapter for details.
  
  **Caution**
  The `reload *** boot helper` command prompts you as to whether or not you want to preserve data on the disk drive. If you choose not to preserve the data, the entire hard drive is reformatted and all existing data erased.
Clean installation using boot helper—Installs software upgrades using the boot helper. This procedure is used for downloading new software versions if the system is offline or if other upgrade procedures are unsuccessful. This installation erases the hard drive before loading the new files on the disk.

Note
This procedure does not perform incremental upgrades.

You must back up and restore your configuration and data files when using this procedure. See “Installing Software Using the Boot Helper” chapter for details.

Platforms and Cisco IOS Software Images

Cisco Video Management and Storage System software applications use a set of commands that are similar in structure to Cisco IOS software commands. However, the Cisco Video Management and Storage System CLI commands do not affect the Cisco IOS configuration.

The Cisco Video Management and Storage System module uses the module CLI commands for its operation. See Cisco Video Management and Storage System CLI Administrator Guide for details about using the module CLI commands.

See Release Notes for the Cisco Video Management and Storage System for detailed information about the Cisco Video Management and Storage System hardware and software platform options.

Uninterruptible Power Supply Recommendations

We strongly recommend attaching an uninterruptible power supply (UPS) to the host router that houses the Cisco Video Management and Storage System module. Any reliable UPS unit will provide continuous power to maintain the operation of both the router and the Cisco Video Management and Storage System module. Consider the unit’s capacity and run time because power consumption differs among Cisco platforms. Ideally, a UPS should include a signaling mechanism that directs the router to shut down the Cisco Video Management and Storage System module properly; the UPS then powers off the router.
Additional References

The following sections provide references related to the Cisco Video Management and Storage System module.

Related Documents

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<td>• Release Notes for the Cisco Video Management and Storage System</td>
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Related Cisco IOS Documents

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<td>Cisco IOS configuration</td>
<td>Cisco IOS Debug Command Reference, Release 12.4(11)T</td>
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Standards and RFCs

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<td>RFC 3720</td>
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Technical Assistance

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