



Overview of Cisco Video Management and Storage System Software Installation

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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:

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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

Related Topic	Document Title
Cisco Video Management and Storage System and the Cisco Video Surveillance Solution	• Release Notes for the Cisco Video Management and Storage System • Connecting Cisco Video Management and Storage System Enhanced Network Modules to the Network • Cisco Video Management and Storage System CLI Administrator Guide • Connecting Cisco Integrated Storage System Enhanced Network Modules to the Network • Cisco Integrated Storage System Installation and Upgrade Guide • Cisco Integrated Storage System CLI Administrator Guide • Connecting Cisco Analog Video Gateway Network Modules to the Network • Cisco Analog Video Gateway Installation and Upgrade Guide • Cisco Analog Video Gateway CLI Administrator Guide • Cisco Analog Video Gateway XML API Guide • Open Source License Notice
Cisco IOS software	Cisco IOS Software
Network modules	Installing Cisco Network Modules in Cisco Access Routers
Technical documentation, including feedback and assistance	What's New in Cisco Product Documentation (including monthly listings of new and revised documents)

Related Cisco IOS Documents

Related Topic	Document Title
Cisco IOS configuration	Cisco IOS Debug Command Reference, Release 12.4(11)T

Standards and RFCs

RFC	Title
RFC 3720	Internet Small Computer Systems Interface (iSCSI)
RFC 1094	Network File System (NFS) Protocol Specification

Technical Assistance

Description	Link
For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly <i>What's New in Cisco Product Documentation</i> , which also lists all new and revised Cisco technical documentation, at: Subscribe to the <i>What's New in Cisco Product Documentation</i> as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.	http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html
Cisco Feature Navigator website	http://www.cisco.com/go/cfn Use Cisco Feature Navigator to find information about platform support and Cisco IOS and Catalyst OS software image support. An account on Cisco.com is not required.
Cisco Software Center website	http://www.cisco.com/public/sw-center/

