



Overview of Cisco Integrated Storage System Software Installation

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This guide provides command-line interface (CLI) commands and procedures to install and upgrade application software for the Cisco Integrated Storage System Enhanced Network Module, referred to throughout this guide as the Cisco Integrated Storage System module.

This guide lists the features supported for version 1.0 and later versions of the Cisco Integrated Storage System network module. To view the product feature history, see the [Release Notes for the Cisco Video Management and Storage System](#).



Note

The Cisco Integrated Storage System module is shipped from the factory with the application software preinstalled. Do not reinstall the software.

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

1. Make sure that the Cisco Integrated Storage System hardware is properly installed in the Integrated Services Router (Cisco ISR). For instructions on installing the Cisco Integrated Storage System hardware, see [Installing Cisco Network Modules in Cisco Access Routers](#).
2. Activate IP connectivity to the Cisco Integrated Storage System software, 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 module from an earlier software version.
4. After the software is installed, perform the administrative tasks described in the [Cisco Integrated Storage System CLI Administrator Guide](#).

This guide describes installation of new software or upgrades to existing software for the Cisco Integrated 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 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 the [Release Notes for the Cisco Video Management and Storage System](#).

Upgrading the existing software of Cisco Integrated Storage System module involves the following procedures:

1. Follow the appropriate upgrade or clean installation process.
2. Configure new features, if appropriate. For details on configuring the software on the Cisco Integrated Storage System module, see the [Cisco Integrated Storage System CLI Administrator Guide](#).

Types of Cisco Integrated Storage System Software Installations and Upgrades

Choose the appropriate software installation methods to upgrade or install new software on the Cisco Integrated 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. To upgrade, use the online installer with the **software install upgrade** command. See the [“Upgrading Software Using the Online Installer”](#) chapter for details.
- Clean installation—Use one of the following two processes to install software, depending on whether the system is operational or off line:
 - 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. See the [“Installing New Software Using the Online Installer”](#) chapter for details.



Caution

The following **reload *** boot helper** command prompts you as to whether or not you want to preserve data on /media0. 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 when the system is off line or if other upgrade procedures are unsuccessful. This installation erases the hard drive memory before loading the new files on the disk. See [“Installing Software Using the Boot Helper”](#) chapter for details.



Note

This procedure does not perform incremental upgrades.

Platforms and Cisco IOS Software Images

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

The Cisco Integrated Storage System hardware module uses the *module* command-line interface (CLI) commands for its operation.

See the [Release Notes for the Cisco Video Management and Storage System](#) for detailed information about the Cisco Integrated Storage System hardware and software platforms.

Uninterruptible Power Supply Recommendations

We strongly recommend attaching an uninterruptible power supply (UPS) to the router that houses the Cisco Integrated Storage System module. Any reliable UPS unit will provide continuous power to maintain the operation of both the router and the Cisco Integrated 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 Integrated Storage System module properly; the UPS then powers off the router.

Additional References

The following sections provide references related to the Cisco Integrated Storage System module.

Related Documents

Related Topic	Document Title
Cisco Integrated Storage System and the Cisco Video Surveillance Solution	• Release Notes for the Cisco Video Management and Storage System • Connecting Cisco Integrated Storage System Enhanced Network Modules to the Network • Cisco Integrated Storage System CLI Administrator Guide • Connecting Cisco Video Management and Storage System Enhanced Network Modules to the Network • Cisco Video Management and Storage System Installation and Upgrade Guide • Cisco Video Management and 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

Related Topic	Document Title
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

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/