



Upgrading Software Using the Online Installer

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This chapter provides the procedures for upgrading from a previous software version of the Cisco Integrated Storage System module to a later version using the “upgrade” online software installer in the application.

An *upgrade installation* replaces only the files on the disk that are necessary for creating the new software image. Your existing configuration will not be erased.

With this procedure, the software files are downloaded in the background while the Cisco Integrated Storage System module continues to operate. Anytime after the download is finished, you can perform the upgrade. Only an FTP/SFTP server is required.

This section includes the following sections:

- [Task List, page 9](#)
- [Prerequisites, page 10](#)
- [Downloading and Installing an Upgrade Image, page 10](#)
- [What to Do Next, page 13](#)

Task List

[Table 1](#) lists the tasks required for upgrading to a new software image.

Table 1 Task List for Upgrading from the Previous Cisco Unity Express Version

Checklist	Check Off
1. The Cisco Integrated Storage System hardware is properly installed in the integrated services router (ISR). See Installing Cisco Network Modules in Cisco Access Routers .	☐
2. The IP communications link to the Cisco Integrated Storage System software has been activated. See the “ Activating IP Connectivity ” chapter.	☐
3. Download and install the software image files. See the “ Downloading and Installing an Upgrade Image ” section on page 10.	☐

Prerequisites

- The Cisco Integrated Storage System module is properly installed.
- You have activated the IP communications link to the Cisco Integrated Storage System module.
- You know the Cisco.com download site of the Cisco Integrated Storage System software.
- Your FTP/SFTP servers are configured and active.
- You have the following information available:
 - FTP/SFTP server IP address
 - FTP/SFTP server user ID
 - FTP/SFTP server password
 - Software package name
- You have checked to make sure that you can ping the Cisco Integrated Storage System module from your FTP/SFTP server.



Note

The Cisco Integrated Storage System software cannot be configured to use DNS, so you cannot use hostnames to identify the FTP/SFTP server. Use the IP address of the FTP/SFTP server instead.

Downloading and Installing an Upgrade Image

Follow this procedure to upgrade an existing Cisco Integrated Storage System module software version. Examples show are for an FTP server. If you are using SFTP, you need to modify the commands to support an SFTP server.



Note

If the Cisco Integrated Storage System is mounted and archives are being sent to the Cisco Integrated Storage System, you must stop the video server on the Cisco Video Management and Storage System module before performing a software upgrade or installation. To stop the video server, enter the **video-surveillance task stop** command.

SUMMARY STEPS

1. Log in and go to the Cisco Software Center website at [Download Software](#).
2. Click **ISR Video Surveillance–ISS** and download the following Cisco Video Management and Storage System software files and copy them to your FTP/SFTP server:
 - `iss-full-k9.nme.version.ptl`
 - `iss-installer-k9.nme.version.ptl`
 - `iss-k9.nme.version.pkg`
 - `iss-upgrade-k9.nme.prior-version_new-version.ptl` (for future upgrades)
3. (Optional) To download the new software, enter the **software download upgrade** command.

**Note**

Although the **software download upgrade** command is optional, it is useful for staging the installation. The command stores the software files on the local disk drive, which can save time during any subsequent installation or upgrade.

4. (Required for Step 5) To continue the download, enter **y**.
5. (Optional) To check the download status, enter the **software download status** command.
6. To upgrade to the new software, enter the **software install upgrade** command.
7. Enter **y** to install the upgrade, or enter **n** to stop the installation procedure.
The system automatically reloads when the upgrade is complete.
8. To verify the upgrade, enter the **show software versions** command.

**Tip**

To view what is in the download directory, enter the **show software directory download** command.

DETAILED STEPS

- Step 1** Log in and go to the Cisco Software Center website and [Download Software](#).
- Step 2** Click **ISR Video Surveillance–ISS** and download the following Cisco Video Management and Storage System software files and copy them to your FTP/SFTP server:
 - `iss-full-k9.nme.version.pr1`
This is the package payload containing all data and executable files for a full installation of the Cisco Integrated Storage System on NME service modules.
 - `iss-installer-k9.nme.version.pr1`
This is the package payload containing all data and executable files for the installer subsystem associated with the Cisco Integrated Storage System on NME service modules.
 - `iss-k9.nme.version.pkg`
This is the main package for installing the Cisco Integrated Storage System on NME service modules.
 - `iss-upgrade-k9.nme.prior-version_new-version.pr1` (for future upgrades)
This is the package payload containing all data and executable files for an upgrade of the Cisco Integrated Storage System on NME service modules.
- Step 3** (Optional) To download the software from the FTP server, enter the **software download upgrade** command:


```
iss# software download upgrade url
ftp://ftp-server-ip-address/iss-upgradek9.nme.version.pkg username username password
password
```

**Note**

This example uses the default anonymous FTP user.

or, if the FTP server has been configured:

```
iss# software download upgrade iss-k9.nme.version.pkg username username password password
```



Note If the FTP server has been set in configuration mode, you do not need to use the FTP parameters.

Step 4 (Required for Step 5) To begin the download, enter **y**:

```
WARNING:: This command will download the necessary software to
WARNING:: complete an upgrade. It is recommended that a backup be done
WARNING:: before installing software.
```

```
Would you like to continue? [n] y
Downloading iss-k9.nme.version.pkg
Bytes downloaded : xxxxxx

Validating package signature ... done
Validating installed manifests .....complete.
```



Note After you download the software, there are no other prompts for user input. The software package is downloaded from your FTP server to the Cisco Integrated Storage System module.

At this point, the new software loads from the FTP server and the system restarts.

Step 5 (Optional) To check the download status, enter the **software download status** command.

Step 6 To upgrade to the new software, enter the **software install upgrade** command.



Note The following example uses the default anonymous FTP user.

```
iss# software install upgrade url ftp://ftp_server_ip_address/iss-k9.nme.1.0.0.pkg
```



Note In the following example, either the files were previously downloaded using the **software download** command or the FTP/SFTP server was configured.

```
iss# software install upgrade iss-k9.nme.version.pkg
```

Step 7 Enter **y** to install the upgrade, or enter **n** to stop the installation procedure.

```
WARNING:: This command will install the necessary software to
WARNING:: complete an upgrade. It is recommended that a backup be done
WARNING:: before installing software.
```

```
Would you like to continue? [n] y
```



Caution An upgrade does not replace everything on the local disk drive. It replaces only the files necessary for the upgrade.

The system automatically reloads when the upgrade is complete.

Step 8 To verify the upgrade, enter the **show software versions** command.

In the output displayed for the **show software versions** display, the Cisco Integrated Storage System software version is shown as the Global version. The other versions shown are for internal components of the product and may not correspond to the actual software version.

**Tip**

To view what is contained the download directory, enter the **show software directory download** command.

What to Do Next

Open a session to the Cisco Integrated Storage System.

