



Installing New Software Using the Online Installer (Backup and Restore Required)

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This chapter provides procedures for installing a new release of Cisco Analog Video Gateway software by using the “clean” online software installer in the application.

This *clean* installation “cleans” the flash memory by erasing it before loading all new files on the Flash memory. You must back up your configuration files before starting the clean installation, and then restore the configuration files after the installation is complete. Only an FTP server is required for a clean installation.

With the **software download** command, the software files are downloaded in the background while the Cisco Analog Video Gateway module continues to operate. Anytime after the download is finished, you can perform the upgrade using the **software install** command.



Note

If you are upgrading from Cisco Analog Video Gateway module, you can use a different procedure that does not require backing up and restoring your configuration files. See the “[Upgrading Software Using the Online Installer \(No Backup and Restore Required\)](#)” section on page 11. If you are upgrading to Cisco Analog Video Gateway module, however, you must use the upgrade procedure in this section.

This section includes the following:

- [Task List, page 18](#)
- [Prerequisites, page 18](#)
- [Downloading and Installing a New Software Image, page 18](#)
- [What to Do Next, page 22](#)

Task List

Table 3 lists tasks required for upgrading from an earlier Cisco Analog Video Gateway release.

Table 3 Task List for Upgrading from an Earlier Cisco Analog Video Gateway Release

Checklist	Check Off
1. Complete the software installation prerequisites (see “ Software Installation and Upgrade Prerequisites ” section on page 2).	<input type="checkbox"/>
2. Back up your configuration files. See “ Appendix A: Backing Up Files ” to back up your configuration files.	<input type="checkbox"/>
3. Download and install the software image files. See the “ Downloading and Installing a New Software Image ” section on page 18.	<input type="checkbox"/>
4. Restore the configuration files. See “ Appendix B: Restoring Files ” to restore your configuration files.	<input type="checkbox"/>
5. Reboot the system.	<input type="checkbox"/>

Prerequisites

- Cisco Analog Video Gateway 1.0 or later is currently installed. If your system has an earlier release installed, follow the procedure in the “[Installing Software Using the Boot Helper](#)” chapter.
- Ensure that your FTP server is configured and active.
- The following information is required:
 - FTP server IP address
 - FTP server user ID
 - FTP server password
 - Software package name
- Ensure that you can ping the Cisco Analog Video Gateway module from the FTP server.
- If the Cisco Analog Video Gateway is configured to use DNS, you can use hostnames to identify the FTP server. If the Cisco Analog Video Gateway is *not* configured to use DNS, use the IP address of the FTP server.



Note

Stop both the live and archive video streaming of all directly connected Cisco Video Management and Storage System modules.

Downloading and Installing a New Software Image

Follow this procedure to install a new Cisco Analog Video Gateway software image.



Note

If you have not already backed up your configuration files, you must back up the files before you start the installation. See “[Appendix A: Backing Up Files](#)” to back up your files.

SUMMARY STEPS

1. Log in and go to the Cisco Software Center website and [Download Software](#).
2. Click **ISR Video Surveillance–IPVS** and download the following Cisco IP Video Surveillance Analog Video Gateway software files and copy them to your FTP server:
 - ipvs-full-k9.evm.*version*.prt1
 - ipvs-installer-k9.evm.*version*.prt1
 - ipvs-k9.evm.*version*.pkg
3. (Optional) Enter the **software download clean** command to download the new software from your FTP server.



Tip

Although the **software download** command is optional, it is useful for staging the installation. The command stores the software files in Flash memory, which can save time during any subsequent installation or upgrade.

4. (Required for Step 3.) Enter **y** to continue the installation.
5. (Optional) To check the download status, enter the **software download status** command.
6. To install the new software, enter the **software install clean** command.
The system automatically reloads after the installation is complete.
7. Enter **y** to begin the initial configuration.
8. Enter **y** to restore the configuration saved in Flash memory, or enter **n** to use your backup software image to restore your configuration.
9. Enter the Cisco Analog Video Gateway administrator ID. This is the username for logging in to the Cisco Analog Video Gateway graphical user interface (GUI).

DETAILED STEPS

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- Step 1** Log in and go to the Cisco Software Center website and [Download Software](#).
- Step 2** Click **ISR Video Surveillance–IPVS** and download the following Cisco IP Video Surveillance Analog Video Gateway software files and copy them to your FTP server:
- ipvs-full-k9.evm.*version*.prt1
Package payload containing all data and executable files for a full installation of the Cisco IP Video Surveillance Analog Video Gateway on EVM-IPVS-16 service modules.
 - ipvs-installer-k9.evm.*version*.prt1
Package payload containing all data and executable files for the installer subsystem associated with the Cisco IP Video Surveillance Analog Video Gateway on EVM-IPVS-16 service modules.
 - ipvs-k9.evm.*version*.pkg
Main package for installing the Cisco IP Video Surveillance Analog Video Gateway on EVM-IPVS-16 service modules.
- Step 3** (Optional) Enter the **software download clean** command, to download the new software from the FTP server:
- ```
se# software download clean url ftp://ftp_server_ip_address/ipvs-k9.evm.version.pkg
username username password password
```

or, if the FTP server has been configured:

```
se# software download clean pkg ipv6-k9.evm.version.pkg
```

The installation takes several minutes to complete. The module reboots and loads the new software.




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**Note** If your FTP server has been set in configuration mode, you do not need to use the FTP parameters. To set your FTP server, use the software download server command.

---

```
IMPORTANT::
IMPORTANT:: Welcome to Cisco Systems Service Engine
IMPORTANT:: post installation configuration tool.
IMPORTANT::
IMPORTANT:: This is a one time process which will guide
IMPORTANT:: you through initial setup of your Service Engine.
IMPORTANT:: Once run, this process will have configured
IMPORTANT:: the system for your location.
IMPORTANT::
IMPORTANT:: If you do not wish to continue, the system will be halted
IMPORTANT:: so it can be safely removed from the router.
IMPORTANT::

Do you wish to start configuration now (y,n)? y
Are you sure (y,n)? y
```

Follow the initial configuration dialog that prompts you for information, such as the NTP server to use, the DNS server to use, and the current date and time.

**Step 4** (Required for Step 4.) Enter **y** to continue the download:

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

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

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

```
se# software download status
Download request in progress.
downloading file : ipv6-k9.evm.version.pkg
bytes downloaded : xxxxxxxx
se#
```

```
se# software download status
Download request completed successfully.
se#
```

**Step 6** To install the new software, enter the **software install clean** command:




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**Caution** This step cleans the Flash memory. All configurations will be lost after this step. For future upgrades and installations, verify that a backup has been made. If there is no backup, abort at this step and make a backup first. See [“Appendix A: Backing Up Files”](#) to back up your files.

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```
se# software install clean url ftp://ftp-server-ip-address/ipv6-k9.evm.version.pkg
username username password password
```

or, to install the software when the FTP server has been configured:

```
se# software install clean ipvs-k9.evm.version.pkg
```

**Step 7** Enter **y** to begin the initial configuration:

```
IMPORTANT::
IMPORTANT:: Welcome to Cisco Systems Service Engine
IMPORTANT:: post installation configuration tool.
IMPORTANT::
IMPORTANT:: This is a one time process which will guide
IMPORTANT:: you through initial setup of your Service Engine.
IMPORTANT:: Once run, this process will have configured
IMPORTANT:: the system for your location.
IMPORTANT::
IMPORTANT:: If you do not wish to continue, the system will be halted
IMPORTANT:: so it can be safely removed from the router.
IMPORTANT::

Do you wish to start configuration now (y,n)? y
```

**Step 8** Enter **y** to restore the configuration saved in flash memory, or enter **n** to use your backup software image to restore your configuration. See the output below to determine your configuration needs.



**Note** If this is a new install or if the flash memory has been erased, this output will not be displayed.

```
IMPORTANT::
IMPORTANT:: A Cisco Analog Video Gateway Module configuration has been found in flash.
IMPORTANT:: You can choose to restore this configuration into the
IMPORTANT:: current image.
IMPORTANT::
IMPORTANT:: A stored configuration contains some of the data from a
IMPORTANT:: previous installation, but not as much as a backup. For
IMPORTANT:: example: voice messages, user passwords, user PINs, and
IMPORTANT:: auto attendant scripts are included in a backup, but are
IMPORTANT:: not saved with the configuration.
IMPORTANT::
IMPORTANT:: If you are recovering from a disaster and do not have a
IMPORTANT:: backup, you can restore the saved configuration.
IMPORTANT::
IMPORTANT:: If you are going to restore a backup from a previous
IMPORTANT:: installation, you should not restore the saved configuration.
IMPORTANT::
IMPORTANT:: If you choose not to restore the saved configuration, it
IMPORTANT:: will be erased from flash.
IMPORTANT::

Would you like to restore the saved configuration? (y,n)
```

**Step 9** Enter the Cisco Analog Video Gateway administrator ID:

```
IMPORTANT::
IMPORTANT:: Administrator Account Creation
IMPORTANT::
IMPORTANT:: Create an administrator account. With this account,
IMPORTANT:: you can log in to the Cisco Analog Video Gateway Module GUI and
IMPORTANT:: run the initialization wizard.
IMPORTANT::

Enter administrator user ID:
 (user ID): Admin
Enter password for admin:
 (password): *****
Confirm password for admin by reentering it:
```

```
(password): *****
```

```
SYSTEM ONLINE
```

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## What to Do Next

1. Restore the configuration files. See [“Appendix A: Backing Up Files”](#) on page 29.

**Note**

If you do not have any backup files for your system and cannot do a restore of the configuration files, run the initialization wizard. See the [Cisco Analog Video Gateway XML API Guide](#).

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**Note**

If you want to use CLI commands to perform the configuration tasks covered by the initialization wizard (for example, if you want to use a configuration script), you can skip the initialization wizard by using the **web skipinitwizard** command in Cisco Analog Video Gateway EXEC mode. This command turns off the initialization wizard. You cannot restart it unless you reimage the Cisco Analog Video Gateway module.

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2. Reboot the system.
3. To verify the upgrade, use the **show software versions** command.  
In the **show software versions** display, the current Cisco Analog Video Gateway 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.
4. Configure new system features. See the [Cisco Analog Video Gateway CLI Administrator Guide](#) and [Cisco Analog Video Gateway XML API Guide](#).