



CHAPTER 7

Reinstalling or Upgrading the Software

This chapter describes how to reinstall or upgrade the Cisco Nexus 1010 software, and includes the following sections:

- [Information About Software, page 7-1](#)
- [Guidelines and Limitations, page 7-1](#)
- [Reinstalling the Software, page 7-2](#)
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Note

For information about upgrading Cisco Nexus 1000V software on a VSB, see the *Cisco Nexus 1000V Software Upgrade Guide, Release 4.0(4)SV1(3)*.

Information About Software

Cisco Nexus 1010 software is pre installed as an ISO image that includes the following components:

- Cisco Nexus 1010 kickstart image
This is the image for the Cisco Nexus 1010 Manager virtual machine which manages shelf and redundancy group configuration.
- Hypervisor with a Cisco Nexus 1010 agent

In the event of disk corruption on the Cisco Nexus 1010, the system can be brought up by copying the image from a CD.

When you upgrade the software, the operational data is retained without loss of persistent information.

Guidelines and Limitations

Use the following guidelines and limitations when reinstalling or upgrading software:



Caution

When you reinstall the software, all previous configuration is overwritten and lost.

- The only way to upgrade the software is through “install nexus1010” command

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- The upgrade does not take effect until you save configuration and reload the software.
- Boot variables must be set by the system when you use the install command. Never attempt to set the boot variables manually.

Reinstalling the Software

You can use this procedure to reinstall the software from your software CD in the event that the system disk becomes corrupted.

BEFORE YOU BEGIN

Before beginning this procedure you must know or do the following:



Caution

Potential Loss of Data

When you reinstall the software, all previous configuration is overwritten and lost.

DETAILED STEPS

Step 1 From a terminal server, connect to the serial port of the Cisco Nexus 1010.

Step 2 Insert the installation CD in the DVD-RW drive.

Step 3 On the Cisco Nexus 1010, press the Power button.

The Cisco Nexus 1010 reboots and the management software setup process begins. To continue see the [“Setting Up the Management Software” procedure on page 2-5](#).

Upgrading the Software

You can use this procedure to upgrade the Cisco Nexus 1010 software while retaining operational data and persistent information.



Note

For information about upgrading Cisco Nexus 1000V software on a VSB, see the *Cisco Nexus 1000V Software Upgrade Guide, Release 4.0(4)SV1(3)*.

BEFORE YOU BEGIN

Before beginning this procedure you must know or do the following:

- If you upgrade the active switch in a pair of redundant Cisco Nexus 1010s, then the standby switch is upgraded automatically.
- You have already saved a backup copy of your running configuration on an external server.
- You have saved a copy of the new Cisco Nexus 1010 software file from the following Cisco Nexus 1010 software download site to an external server:

www.cisco.com/go/1010download

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- Step 1** On the Cisco Nexus 1010, copy any unsaved configuration from the running configuration to startup so that it is preserved after the reload.

copy running-config startup-config

Example:

```
switch# copy running-config startup-config
[#####] 100%
switch#
```

- Step 2** Copy the new software image from the external server to the following directory.

bootflash: \repository

copy scp://user@path/filename bootflash:filename

Example:

```
n1010# copy scp://user@linux-box.cisco.com/home/user/nexus-1010.4.0.4.SP1.1.1.iso
bootflash:
Enter vrf (If no input, current vrf 'default' is considered):
user@linux-box.cisco.com's password:
n1kv_license.lic          100% 252      0.3KB/s   00:00

n1010#
```

- Step 3** Install the new image.

install nexus1010 full_path_to_filename

The following things occur on the switch:

- The new software image is copied to bootflash.
- Bootflash variables are updated with the names of the new system and kickstart images.
- The new image and bootflash variable information is saved in the running configuration.

Example:

```
switch# install nexus1010 bootflash:repository/nexus-1010.4.0.4.SP1.1.1.iso
```

- Step 4** Save the new boot parameters in the startup configuration.

```
switch# copy running-config startup-config
[#####] 100%
```



Caution If you do not copy the running configuration to the startup configuration, the new boot parameters are not saved when you reload the software in [Step 5](#).

- Step 5** Reload the software to refresh the Cisco Nexus 1010 software image with the new image file.

reload

The software image is replaced with the version named in the bootflash variables. Any unsaved configuration is lost.

Example:

```
switch# reload
This command will reboot the system. (y/n)? [n] y
2009 Oct 30 21:51:34 s1 %$ VDC-1 %$ %PLATFORM-2-PFM_SYSTEM_RESET: Manual system restart
from Command Line Interface
switch#
```

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Additional References

Related Topic	Document Title
Hardware installation	<i>Cisco Nexus 1010 Virtual Services Appliance Installation Guide</i>
Cisco Nexus 1010 commands	<i>Cisco Nexus 1010 Command Reference, Release 4.0(4)SP1(1)</i>

Feature History for Software Installation and Upgrade

This section provides the software installation and upgrade release history.

Feature Name	Releases	Feature Information
software reinstall or upgrade	4.0(4)SP1(1)	This feature was introduced.