



I Commands

This chapter describes the Cisco Nexus 1010 commands that begin with the letter I.

install nexus1010

To install management software for the Cisco Nexus 1010, use the **install nexus1010** command.

```
install nexus1010 {bootflash: path}
```

Syntax Description

bootflash:	Specifies a path from the bootflash directory.
<i>path</i>	Full path to the image file (.iso)

Defaults

None

Command Modes

EXEC

Supported User Roles

network-admin

Command History

Release	Modification
4.0(4)SP1(1)	This command was introduced.

Usage Guidelines

You can view the available installation image files by using the **dir** command. For example:

```
switch# dir bootflash:
n
  77824      Mar 27 06:02:44 2010  accounting.log
  16384      Mar 26 22:31:33 2010  lost+found/
   5023      Jan 18 00:23:37 2009  mts.log
48346519    Jan 15 21:33:25 2001  nexus-1010-mzg.4.0.4.SP1.0.171.bin
   4096      Jan 15 21:27:11 2001  repository/
```

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```
Usage for bootflash://
 308473856 bytes used
 3682906112 bytes free
 3991379968 bytes total
switch# cd repository
switch# dir

      77824      Jan 24 05:02:49 2001  accounting.log
         370      Jan 24 05:03:02 2001  cppa_mgr.log
      16384      Jan 15 21:33:09 2001  lost+found/
     1331914      Jan 15 21:33:21 2001  nexus-1010.4.0.4.SP1.0.197.iso
     20971008      Jan 15 21:33:22 2001  nexus-1010-4.0.4.SP1.0.171.iso
```

```
Usage for bootflash://
 308473856 bytes used
 3682906112 bytes free
 3991379968 bytes total
Nexus1010#
```

Examples

This example shows how to install management software for the Cisco Nexus 1010:

```
switch# install nexus1010 bootflash:repository/nexus-1010.4.0.4.SP1.0.197.iso
cppa_mgr debug: Using URI: bootflash:/repository/nexus-1010.4.0.4.SP1.0.197.iso
Installing bootflash:/repository/nexus-1010.4.0.4.SP1.0.197.iso
.....
Installation complete.
Save configuration and restart for changes to take effect

switch#
#
```

Related Commands

Command	Description
dir	Displays the contents of a directory or file.
copy running-config startup-config	Copies the running configuration to the startup configuration.

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interface loopback

To create and configure a loopback interface, use the **interface loopback** command. To remove a loopback interface, use the **no** form of this command.

interface loopback *number*

no interface loopback *number*

Syntax Description	<i>number</i>	Identifying interface number. The range is from 0 to 1023.
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Defaults	None
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Command Modes	Global configuration (config) Interface configuration (config-if)
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SupportedUserRoles	network-admin
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Command History	Release	Modification
	4.0(4)SP1(1)	This command was introduced.

Usage Guidelines	Use the interface loopback command to create or modify loopback interfaces.
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Examples	This example shows how to create a loopback interface: <pre>switch(config)# interface loopback 50 switch(config-if)#</pre>
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Related Commands	Command	Description
	show interface brief	Displays a short version of the interface configuration.
	interface mgmt	Configure the management interface and enters interface configuration mode.

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interface mgmt

To configure the management interface and enter interface configuration mode, use the **interface management** command.

```
interface mgmt0
```

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes Global configuration (config)
Interface configuration (config-if)

SupportedUserRoles network-admin

Command History	Release	Modification
	4.0(4)SP1(1)	This command was introduced.

Usage Guidelines Use the **interface mgmt0** command to configure the management interface and to enter the interface configuration mode.

Examples This example shows how to enter the interface configuration mode to configure the management interface:

```
switch(config)# interface mgmt0
switch(config-if)#
```

Related Commands	Command	Description
	show interface brief	Displays a short version of the interface configuration.
	interface loopback	Create and configures a loopback interface.

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ip address

To create an IP route, use the **ip address** command. To remove an IP address, use the **no** form of this command.

```
ip address {address mask | prefix} {next-hop | next-hop-prefix | interface-type interface-number}
[tag tag-value | preference]
```

```
no ip address {address mask | prefix} {next-hop | next-hop-prefix | interface-type interface-number}
[secondary | tag tag-value | preference]
```

Syntax Description	
<i>address</i>	IP address, in format A.B.C.D.
<i>mask</i>	IP network mask, in format A.B.C.D.
<i>prefix</i>	IP prefix and network mask length, in format A.B.C.D./LEN.
<i>next-hop</i>	IP next-hop address, in format A.B.C.D.
<i>next-hop-prefix</i>	IP next-hop prefix in format A.B.C.D./LEN.
<i>interface-type</i>	Interface type.
<i>interface-number</i>	Interface or subinterface number.
secondary	(Optional) Configures additional IP addresses on the interface.
tag	(Optional) Specifies a supply tag.
<i>tag-value</i>	Supply tag value. The range of valid values is from 0 to 4294967295. The default is 0.
<i>preference</i>	(Optional) Route preference.

Defaults None

Command Modes Global configuration (config)

Supported User Roles network-admin

Command History	Release	Modification
	4.0(4)SP1(1)	This command was introduced.

Examples This example shows how to create an IP address:

```
switch(config)# configure terminal
switch(config)# ip address 209.165.200.225 255.255.255.224 x
switch(config)#
```

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Related Commands

Command	Description
show ip interface A.B.C.D.	Displays interfaces for local IP addresses.
