



I Commands

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

import

To import a previously saved backup copy of a virtual service blade (VSB) from remote storage to the Cisco Nexus 1010, use the **import** command.

```
import [primary | secondary] filename
```

Syntax Description

primary	(Optional) The Cisco Nexus 1010 that was assigned the primary role.
secondary	(Optional) The Cisco Nexus 1010 that was assigned the secondary role.
<i>filename</i>	Import file name.

Defaults

None

Command Modes

Virtual service blade configuration (config-vs-b-config)

Supported User Roles

network-admin

Command History

Release	Modification
4.2(1)SP1(3)	This command was introduced.

Usage Guidelines

If importing to a redundant pair of Cisco Nexus 1010s, you must specify whether importing to the primary or secondary.

You have verified that the bootflash: export-import directory is empty. If files are present in this directory, you must delete them before importing a VSB configuration file.

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Before importing, you have copied the exported image file from remote storage into the Cisco Nexus 1010 export-import folder in the bootflash: repository.

Examples

This example shows how to import the image file Vdisk1.img.tar.00 to the primary VSB vsm-1 and power off the VSB:

```
n1010# config t
n1010(config) virtual-service-blade vsm-1
n1010-1(config-vs-b-config)# import primary Vdisk1.img.tar.00
Note: import started..
Note: please be patient..
Note: Import cli returns check VSB status for completion
n1010-1(config-vs-b-config)#
```

Related Commands

Command	Description
show network	Displays information about the network.
show virtual-service-blade	Displays information about virtual services.
show virtual-service-blade-type summary	Displays a summary of all virtual service configurations by type, such as Virtual Supervisor Module (VSM) or Network Analysis and Monitoring (NAM).
export	Exports a VSB configuration file from the Cisco Nexus 1010.

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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:

```
n1010# 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/

Usage for bootflash://
 308473856 bytes used
3682906112 bytes free
3991379968 bytes total
n1010# cd repository
n1010# 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#
```

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Examples

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

```
n1010# install nexus1010 bootflash:repository/nexus-1010.4.0.4.SP1.0.197.iso
coppa_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

n1010#
#
```

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 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:

```
n1010(config)# interface mgmt0
n1010(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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interface VsbEthernet

To configure the virtual service blade (VSB) Ethernet interface and enter interface configuration mode, use the **interface VsbEthernet** command.

interface VsbEthernet *name*

Syntax Description	<i>name</i>
	Name of virtual service blade interface VsbEthernet [slot-id vb-id intf-id].

Defaults	None
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Command Modes	Global configuration (config)
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Supported User Roles	network-admin
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Command History	Release	Modification
	4.2(1)SP1(3)	This command was introduced.

Usage Guidelines

Examples This example shows how to enter the interface configuration mode on VsbEthernet 1/1/2:

```
n1010# config t
n1010(config)# interface vsbEthernet 1/1/2
n1010(config-if)#
```

Related Commands	Command	Description
	show interface brief	Displays a short version of the interface configuration.
	show interface ethernet	Displays information about the Ethernet interface.
	show interface mgmt0	Displays information about the traffic on the management interface.
	show interface vethernet	Displays information about the traffic on the specified virtual Ethernet 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:

```
n1010(config)# configure terminal
n1010(config)# ip address 209.165.200.225 255.255.255.224 x
n1010(config)#
```

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Related Commands

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