



## P Commands

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

### packet vlan

To modify the VLAN ID of the Virtual Supervisor Module (VSM) domain packet VLAN, use the **packet vlan** command.

**packet vlan** *vlanid*

<b>Syntax Description</b>	<i>vlanid</i>	Number that identifies the VSM domain packet VLAN. The range is from 1 to 3967 and 4048 to 4093.
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<b>Defaults</b>	None
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<b>Command Modes</b>	SVS domain configuration (config-svs-domain)
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<b>SupportedUserRoles</b>	network-admin
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	4.0(4)SP1(1)	This command was introduced.

**Examples** This example shows how to modify the VLAN ID of the VSM domain packet VLAN to be 1117:

```
n1000v# config t
n1000v(config)# svs-domain
switch(config-svs-domain)# packet vlan 1117
```

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Related Commands	Command	Description
	<b>login virtual-service-blade</b>	Logs you into the Cisco Nexus 1000V CLI for the VSM that you are modifying.
	<b>show vs-domain</b>	Displays the domain configuration for the VSM.
	<b>control vlan</b>	Modifies the VLAN ID of the VSM domain control VLAN.

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## password strength-check

To enable password-strength checking, use the **password strength-check** command. To disable the checking of password strength, use the **no** form of this command.

**password strength-check**

**no password strength-check**

**Syntax Description** This command has no arguments or keywords.

**Defaults** This feature is enabled by default.

**Command Modes** Global configuration (config)

**SupportedUserRoles** network-admin

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

**Examples** This example shows how to enable the checking of password strength:

```
n1000v# config t
n1000v(config)# password strength-check
n1000v(config)#
```

This example shows how to disable the checking of password strength:

```
n1000v# config t
n1000v(config)# no password strength-check
n1000v(config)#
```

Related Commands	Command	Description
	<b>show password strength-check</b>	Displays the configuration for checking password strength.
	<b>username</b>	Creates a user account.
	<b>role name</b>	Names a user role and places you in role configuration mode for that role.

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## ping

To determine the network connectivity to another device using IPv4 addressing, use the **ping** command.

```
ping [dest-ipv4-address | hostname | multicast multicast-group-address interface [ethernet
slot/port | loopback number | mgmt0 | port-channel channel-number | vethernet number]]
[count {number | unlimited}] [df-bit] [interval seconds] [packet-size bytes] [source
src-ipv4-address] [timeout seconds] [vrf vrf-name]
```

Syntax Description		
<i>dest-ipv4-address</i>		IPv4 address of destination device. The format is <i>A.B.C.D</i> .
<i>hostname</i>		Hostname of destination device. The hostname is case sensitive.
<b>multicast</b>		(Optional) Specifies a multicast ping.
<i>multicast-group-address</i>		Multicast group address. The format is <i>A.B.C.D</i> .
<b>interface</b>		Specifies the interface to send the multicast packet.
<b>ethernet</b> <i>slot/port</i>		(Optional) Specifies the slot and port number for the Ethernet interface.
<b>loopback</b> <i>number</i>		(Optional) Specifies a virtual interface number from 0 to 1023.
<b>mgmt0</b>		(Optional) Specifies the management interface.
<b>port-channel</b> <i>channel-number</i>		(Optional) Specifies a port-channel interface in the range from 1 to 4096.
<b>vethernet</b> <i>number</i>		(Optional) Specifies a virtual Ethernet interface in the range from 1 to 1048575.
<b>count</b>		(Optional) Specifies the number of transmissions to send.
<i>number</i>		Number of pings. The range is from 1 to 655350. The default is 5.
<b>unlimited</b>		Allows an unlimited number of pings.
<b>df-bit</b>		(Optional) Enables the do-not-fragment bit in the IPv4 header. The default is disabled.
<b>interval</b> <i>seconds</i>		(Optional) Specifies the interval in seconds between transmissions. The range is from 0 to 60. The default is 1 second.
<b>packet-size</b> <i>bytes</i>		(Optional) Specifies the packet size in bytes to transmit. The range is from 1 to 65468. The default is 56 bytes.
<b>source</b> <i>scr-ipv4-address</i>		(Optional) Specifies the source IPv4 address to use. The format is <i>A.B.C.D</i> . The default is the IPv4 address for the management interface of the device.
<b>timeout</b> <i>seconds</i>		(Optional) Specifies the nonresponse timeout interval in seconds. The range is from 1 to 60. The default is 2 seconds.
<b>vrf</b> <i>vrf-name</i>		(Optional) Specifies the virtual routing and forwarding (VRF) name. The default is the default VRF.

### Defaults

For the default values, see the “Syntax Description” section for this command.

### Command Modes

Any command mode

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**SupportedUserRoles** network-admin

### Command History

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

### Examples

This example shows how to determine connectivity to another device using IPv4 addressing:

```
switch# ping 172.28.231.246 vrf management
PING 172.28.231.246 (172.28.231.246): 56 data bytes
Request 0 timed out
64 bytes from 172.28.231.246: icmp_seq=1 ttl=63 time=0.799 ms
64 bytes from 172.28.231.246: icmp_seq=2 ttl=63 time=0.597 ms
64 bytes from 172.28.231.246: icmp_seq=3 ttl=63 time=0.711 ms
64 bytes from 172.28.231.246: icmp_seq=4 ttl=63 time=0.67 ms

--- 172.28.231.246 ping statistics ---
5 packets transmitted, 4 packets received, 20.00% packet loss
round-trip min/avg/max = 0.597/0.694/0.799 ms
```

### Related Commands

Command	Description
<b>ping6</b>	Determines connectivity to another device using IPv6 addressing.

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## port-profile

To create a port profile and enter port-profile configuration mode, use the **port-profile** command. To remove the port profile configuration, use the **no** form of this command.

**port-profile** *name*

**no port-profile** *name*

Syntax Description	<i>name</i>	Port profile name. The name can be up to 80 characters.
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Defaults	None
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Command Modes	Global configuration (config)
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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	The port profile name must be unique for each port profile on the Cisco Nexus 1000V.
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Examples	This example shows how to create a port profile with the name AccessProf:
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```
switch# configure terminal
switch(config)# port-profile AccessProf
switch(config-port-prof)
```

Examples	This example shows how to remove the port profile with the name AccessProf:
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```
switch# configure terminal
switch(config)# no port-profile AccessProf
switch(config)
```

Related Commands	Command	Description
	<b>show port-profile name</b>	Displays information about the port profiles.

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## pwd

To view the current directory, use the **pwd** command.

**pwd**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

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

**Examples** This example shows how to view the current directory:

```
switch# pwd
bootflash:
switch#
```

Related Commands	Command	Description
	<b>cd</b>	Changes the current working directory.
	<b>dir</b>	Displays the directory contents.
	<b>rmdir</b>	Removes a directory.

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