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P Commands

This chapter describes the basic Cisco NX-OS system commands that begin with P.

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parity

To configure the parity for the console port, use the **parity** command. To revert to the default, use the **no** form of this command.

parity { **even** | **none** | **odd** }

no parity { **even** | **none** | **odd** }

Syntax Description

even	Specifies even parity.
none	Specifies no parity.
odd	Specifies odd parity.

Command Default

The **none** keyword is the default.

Command Modes

Terminal line configuration mode

Command History

Release	Modification
4.0(0)N1(1a)	This command was introduced.

Usage Guidelines

You can configure the console port only from a session on the console port.

Examples

This example shows how to configure the parity for the console port:

```
switch# configure terminal
switch(config)# line console
switch(config-console)# parity even
```

This example shows how to revert to the default parity for the console port:

```
switch# configure terminal
switch(config)# line console
switch(config-console)# no parity even
```

Related Commands

Command	Description
show line	Displays information about the console port configuration.

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ping

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

```
ping {dest-address | hostname} [count {number | unlimited}] [df-bit] [interval seconds]
[packet-size bytes] [source src-address] [timeout seconds] [vrf {vrf-name | default |
management}]
```

Syntax Description

<i>dest-address</i>	IPv4 address of the destination device. The format is <i>A.B.C.D</i> .
<i>hostname</i>	Hostname of the destination device. The hostname is case sensitive.
count	(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.
unlimited	Allows an unlimited number of pings.
df-bit	(Optional) Enables the do-not-fragment bit in the IPv4 header. The default is disabled.
interval <i>seconds</i>	(Optional) Specifies the interval in seconds between transmissions. The range is from 0 to 60. The default is 1 second.
packet-size <i>bytes</i>	(Optional) Specifies the packet size in bytes to transmit. The range is from 1 to 65468. The default is 56 bytes.
source <i>scr-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.
timeout <i>seconds</i>	(Optional) Specifies the nonresponse timeout interval in seconds. The range is from 1 to 60. The default is 2 seconds.
vrf <i>vrf-name</i>	(Optional) Specifies the virtual routing and forwarding (VRF) to use. The name is case sensitive and can be a maximum of 32 characters.
default	(Optional) Specifies the default VRF.
management	(Optional) Specifies the management VRF.

Command Default

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

Command Modes

EXEC mode

Command History

Release	Modification
4.0(0)N1(1a)	This command was introduced.

Examples

This example shows how to determine connectivity to another network device:

```
switch# ping 192.168.2.246
```

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Related Commands	Command	Description
	ping6	Determines connectivity to another device using IPv6 addressing.
	traceroute	Displays the routes that packets take when traveling to an IP address.

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ping6

To determine the network connectivity to another device using IPv6 addressing, use the **ping6** command.

```
ping6 {dest-address | hostname} [count {number | unlimited}] [interface intf-id] [interval
seconds] [packet-size bytes] [source address] [timeout seconds] [vrf {vrf-name | default |
management}]
```

Syntax Description

<i>dest-address</i>	Destination IPv6 address. The format is <i>A:B::C:D</i> .
<i>hostname</i>	Hostname of destination device. The hostname is case sensitive.
count	(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.
unlimited	Allows an unlimited number of pings.
interface <i>intf-id</i>	(Optional) Specifies the interface to send the IPv6 packet. The valid interface types are Ethernet, loopback, EtherChannel, and VLAN.
interval <i>seconds</i>	(Optional) Specifies the interval in seconds between transmissions. The range is from 0 to 60. The default is 1 second.
packet-size <i>bytes</i>	(Optional) Specifies the packet size in bytes to transmit. The range is from 1 to 65468.
source <i>address</i>	(Optional) Specifies the source IPv6 address to use. The format is <i>A:B::C:D</i> . The default is the IPv6 address for the management interface of the device.
timeout <i>seconds</i>	(Optional) Specifies the nonresponse timeout interval in seconds. The range is from 1 to 60. The default is 2 seconds.
vrf <i>vrf-name</i>	(Optional) Specifies the virtual routing and forwarding (VRF) to use. The name is case sensitive and can be a maximum of 32 alphanumeric characters.
default	(Optional) Specifies the default VRF.
management	(Optional) Specifies the management VRF.

Command Default

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

Command Modes

EXEC mode

Command History

Release	Modification
4.0(1a)N1(1)	This command was introduced.

Examples

This example shows how to determine connectivity to another device using IPv6 addressing:

```
switch# ping6 2001:0DB8::200C:417A vrf management
```

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Related Commands	Command	Description
	ping	Determines connectivity to another device using IPv4 addressing.
	traceroute6	Displays the routes that packets take when traveling to an IPv6 address.