



## P Commands

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# permit

To allow traffic from a source IP address to a destination IP address, use the **permit** command. To remove a permit rule, if any, use the **no** form of this command.

```
[ sequence-number ] permit ip source-address destination-address
no sequence-number
```

## Syntax Description

<i>sequence-number</i>	(Optional) Specifies the sequence number. The range is from 1–4294967295. The default is 10. <b>Note</b> The sequence number is not optional in the <b>no</b> form of the <b>permit</b> command.
<i>source-address</i>	Specifies the source IP address.
<i>destination-address</i>	Specifies the destination IP address.

## Command Default

No rule is created on traffic.

## Command Modes

ACL port configuration (config-port-acl)

## Command History

Release	Modification
Cisco NX-OS 8.2(1)	This command was introduced.

## Usage Guidelines

Catena must be enabled and configured before using this command. For more information about these tasks, see "[Cisco Nexus 7000 Series Switches Configuration Guide: The Catena Solution](#)."

## Examples

This example shows how to permit traffic from a source IP address to a destination IP address:

```
switch(config)# catena port-acl pa1
switch(config-port-acl)# 2 permit ip 209.165.200.225 10.0.0.1
```

## Related Commands

Command	Description
<b>catena</b>	Creates a Catena instance.
<b>catena port-acl</b>	Configures an ACL port.

Command	Description
<b>deny</b>	Prevents traffic from a source IP address to a destination IP address.

# probe

To configure a device-group probe, use the **probe** command. To remove the configuration, use the **no** form of this command.

**probe** *probe-id* [**control** *status*] [**host** *host-name*] [**frequency** *frequency-number* | **timeout** *timeout* | **retry-down-count** *down-count* | **retry-up-count** *up-count* | **ip** *ipv4-address*]

**no****probe** *probe-id* [**control** *status*] [**host** *host-name*] [**frequency** *frequency-number* | **timeout** *timeout* | **retry-down-count** *down-count* | **retry-up-count** *up-count* | **ip** *ipv4-address*]

## Syntax Description

<i>probe-id</i>	Probe ID. You can specify <b>ICMP</b> , <b>TCP</b> , <b>UDP</b> , or <b>DNS</b> as the probe ID.
<b>control</b> <i>status</i>	(Optional) Specifies the control protocol status.
<b>host</b> <i>host-name</i>	(Optional) Specifies the host name.
<b>frequency</b> <i>frequency-number</i>	(Optional) Specifies the time interval, in seconds, between the successive probes sent to the node.
<b>timeout</b> <i>timeout</i>	(Optional) Specifies the amount of time, in seconds, to wait for the probe response.
<b>retry-down-count</b> <i>down-count</i>	(Optional) Specifies the consecutive number of times the probe must have failed prior to the node being marked as Down.
<b>retry-up-count</b> <i>up-count</i>	(Optional) Specifies the consecutive number of times the probe must have succeeded prior to the node being marked as Up.
<b>ip</b> <i>ipv4-address</i>	(Optional) Specifies the IP address-based load or traffic distribution.

## Command Default

None.

## Command Modes

Device group configuration mode (config-device-group)

## Command History

Release	Modification
Cisco NX-OS 8.0(1)	This command was introduced.

**Usage Guidelines**

Catena must be enabled and configured before using this command. For more information about these task, see "[Cisco Nexus 7000 Series Switches Configuration Guide: The Catena Solution](#)."

**Examples**

The following example shows how to configure a device-group probe:

```
switch# configure terminal
switch(config)# catena device-group s-dg-1
switch(config-device-group)# node ip 1.1.1.1
switch(config-device-group)# node ip 2.2.2.2
switch(config-device-group)# probe icmp
```

**Related Commands**

Command	Description
<a href="#">catena device-group</a>	Creates a device group.
<a href="#">node</a>	Assigns a node to a device group.

