



R Commands

This chapter describes the Cisco NX-OS interface commands that begin with R.

rate-limit cpu direction

To set the packet per second (PPS) rate limit for an interface, use the **rate-limit cpu direction** command. To revert to the default value, use the **no** form of this command.

rate-limit cpu direction { **both** | **input** | **output** } **pps** *pps_value* **action** **log**

no rate-limit cpu direction { **both** | **input** | **output** } **pps** *pps_value* **action** **log**

Syntax Description

| | |
|-----------------------------|---|
| both | Sets the maximum input and output packet rate. |
| input | Sets the maximum input packet rate. |
| output | Sets the maximum output packet rate. |
| pps <i>pps_value</i> | Specifies the packets per second. The range is from 0 to 100,000. |
| action | Specifies the action is logged. |
| log | Writes a syslog message if the PPS value matches or exceeds the specified rate limit. |

Command Default

None

Command Modes

Interface configuration mode

Command History

| Release | Modification |
|-------------|------------------------------|
| 5.2(1)N1(1) | This command was introduced. |

Usage Guidelines

This command does not require a license.

Examples

This example shows how to set the maximum input packet rate to 3 for an interface and enable the logging of syslog messages:

```
switch# configure terminal
switch(config)# interface ethernet 1/5
switch(config-if)# rate-limit cpu direction input pps 3 action log
switch(config-if)#
```

Related Commands

| Command | Description |
|----------------------------|--|
| show running-config | Displays the running system configuration information. |

Related Commands

| Command | Description |
|-----------------------------|--|
| remote ip address | Configures the IPv4 address for a remote machine. |
| remote port | Configures the TCP port for a remote machine. |
| remote vrf | Configures the virtual routing and forwarding (VRF) instance for a remote machine. |
| show svs connections | Displays SVS connection information. |
| svs connection | Enables an SVS connection. |

