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R Commands

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

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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
5.1(3)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.

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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 svcs connections	Displays SVS connection information.
svs connection	Enables an SVS connection.

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