



## R Commands

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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

<b>both</b>	Sets the maximum input and output packet rate.
<b>input</b>	Sets the maximum input packet rate.
<b>output</b>	Sets the maximum output packet rate.
<b>pps</b> <i>pps_value</i>	Specifies the packets per second. The range is from 0 to 100,000.
<b>action</b>	Specifies the action is logged.
<b>log</b>	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
6.0(2)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**

<b>Command</b>	<b>Description</b>
<b>showrunning-config</b>	Displays the running system configuration information.
<b>remote ip address</b>	Configures the IPv4 address for a remote machine.
<b>remote port</b>	Configures the TCP port for a remote machine.
<b>remote vrf</b>	Configures the virtual routing and forwarding (VRF) instance for a remote machine.
<b>show svcs connections</b>	Displays SVS connection information.
<b>svs connection</b>	Enables an SVS connection.

