



# R Commands

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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	<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	<b>Release</b>	<b>Modification</b>
	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	<b>Command</b>	<b>Description</b>
	<b>show running-config</b>	Displays the running system configuration information.

Related Commands	Command	Description
	<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 svs connections</b>	Displays SVS connection information.
	<b>svs connection</b>	Enables an SVS connection.

# resync-database

To resynchronize the switch profile databases, use the **resync-database** command.

**resync-database**

**Syntax Description** This command has no arguments or keywords.

**Command Default** None

**Command Modes** Switch profile configuration mode

Command History	Release	Modification
	5.0(2)N2(1)	This command was introduced.

**Examples** This example shows how to resynchronize the switch profile databases:

```
switch# configure sync
Enter configuration commands, one per line. End with CNTL/Z.
switch(config-sync)# resync-database
Re-synchronization of switch-profile db takes a few minutes...
Re-synchronize switch-profile db completed successfully.
switch(config-sync)#
```

Related Commands	Command	Description
	switch-profile	Configures a switch profile.