# 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 ot 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** *pps_value* | 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. |

# 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. |