

Configuring Egress Interface-based Rate Limiting

To control the rate of all outgoing traffic on an interface, configure egress interface-based rate limiting. When the transmit rate of packets exceeds the configured rate limit, the excess packets will be discarded.

```
set interface gigabit-ethernet <interface-name> rate-limiting egress kilobits <value>
```

```
set interface gigabit-ethernet <interface-name> rate-limiting egress ratio <value>
```

```
set interface gigabit-ethernet <interface-name> rate-limiting egress burst <burst-size>
```

NOTE:

- In the same direction of the same interface, kilobits and ratio cannot be configured simultaneously.
- When burst size is not configured, PICOS uses a burst size adapted according to the configured rate limiting value configured by the **set interface gigabit-ethernet <interface-name> rate-limiting egresskilobits <value>** or **set interface gigabit-ethernet <interface-name> rate-limiting egress ratio <value>** command.

Configuration Example

- Set the rate limit to 8000 kbit/s on interface te-1/1/1 for the egress traffic, and use the system adapted burst size.

```
admin@Xorplus# set interface gigabit-ethernet te-1/1/1 rate-limiting egress kilobits 8000
admin@Xorplus# commit
```

- You can use **run show interface gigabit-ethernet** command to check the configuration, where "Interface rate limit ingress: , egress: " and "Interface burst limit ingress: , egress: " indicating the configuration of interface-based rate limit and burst size.

```
admin@Xorplus# run show interface gigabit-ethernet te-1/1/1
Physical interface: te-1/1/1, Enabled, error-discard False, Physical link is Down
Interface index: 1, Mac Learning Enabled
Description:
Link-level type: Ethernet, MTU: 1514, Speed: Auto, Duplex: Full
Source filtering: Disabled, Flow control: Disabled, Auto-negotiation: Disabled
Interface flags: Hardware-Down SNMP-Traps Internal: 0x0
Interface rate limit ingress: unlimited, egress: 8000kbps
Interface burst limit ingress: unlimited, egress: 10kb
Link fault signaling ignore local fault:false, ignore remote fault:false
force up mode:false
Precision Time Protocol mode:none
Current address: cc:37:ab:b6:9b:55, Hardware address: cc:37:ab:b6:9b:55
Traffic statistics:
5 sec input rate 0 bits/sec, 0 packets/sec
5 sec output rate 0 bits/sec, 0 packets/sec
Input Packets.....0
Output Packets.....0
Input Octets.....0
Output Octets.....0
```