

Configuring Rate-Limit Actions (SRC CLI)

Use this action to define the quality of service. You can configure rate-limit actions for JUNOS policy rules.

The type of action that you can create depends on the type of policy rule. See Policy Information Model.

Use the following configuration statements to configure rate-limit actions:

```
policies group name list name rule name rate-limit name {  
    type type ;  
    committed-rate committed-rate ;  
    committed-burst committed-burst ;  
    peak-rate peak-rate ;  
    peak-burst peak-burst ;  
    excess-burst excess-burst ;  
    color-aware;  
    support-hierarchical;  
    description description ;  
}
```

To configure a rate-limit action:

1. From configuration mode, enter the rate-limit action configuration. For example, in this procedure, *rla* is the name of the rate-limit action.

```
user@host# edit policies group junose list rate-limiter rule pr rate-limit rla
```

2. (Optional) Specify that the rate-limit profile is either one rate or two rate. The rate-limit type determines the options that you can configure for a rate-limit action.

```
[edit policies group junose list rate-limiter rule pr rate-limit rla]  
user@host# set type type
```

3. (Optional) Configure the target rate for the traffic that the policy covers.

```
[edit policies group junose list rate-limiter rule pr rate-limit rla]  
user@host# set committed-rate committed-rate
```

4. (Optional) Configure the amount of bandwidth allocated to burst traffic in bytes.

```
[edit policies group junose list rate-limiter rule pr rate-limit rla]  
user@host# set committed-burst committed-burst
```

5. (Optional) For two-rate rate-limit profiles, specify the amount of bandwidth allocated to excess traffic flow over the committed rate.

```
[edit policies group junose list rate-limiter rule pr rate-limit rla]  
user@host# set peak-rate peak-rate
```

6. (Optional) For two-rate rate-limit profiles, specify the amount of bandwidth allocated to burst traffic in excess of the peak rate.

```
[edit policies group junose list rate-limiter rule pr rate-limit rla]
user@host# set peak-burst peak-burst
```

7. (Optional) For one-rate rate-limit profiles, specify the amount of bandwidth allocated to accommodate burst traffic.

```
[edit policies group junose list rate-limiter rule pr rate-limit rla]
user@host# set excess-burst excess-burst
```

8. (Optional) Set the rate limit to color aware for the rate-limit to process color values.

```
[edit policies group parentGroupDefault list twoRate parent-group PGShared]
user@host# set color-aware
```

9. (Optional) Set the rate limit to support hierarchical rate limits.

```
[edit policies group junose list rate-limiter rule pr rate-limit rla]
user@host# set support-hierarchical
```

10. (Optional) Configure the rate-limit action for traffic flows that:

- Do not exceed the committed rate
- Exceed the committed rate but remain below the peak rate.
- Exceed the peak rate.

See Configuring Types of Actions for Rate-Limit Actions (SRC CLI).

11. (Optional) Enter a description for the rate-limit action.

```
[edit policies group junose list rate-limiter rule pr rate-limit rla]
user@host# set description description
```

12. (Optional) Return to the rate-limit action configuration, and verify the configuration.

```
[edit policies group junose list rate-limiter rule pr rate-limit rla]
user@host# show
committed-action {
  forward {
  }
}
conformed-action {
  forward {
  }
}
exceed-action {
  filter {
  }
}
type 1;
committed-rate 1000000;
```

```
committed-burst 125000;  
excess-burst 312500;
```

- Related Topics**
- Before You Configure SRC Policies
 - Configuring Rate-Limit Actions (C-Web Interface)
 - Configuring Filter Actions (SRC CLI)
 - Configuring Forward Actions (SRC CLI)
 - Configuring Mark Actions (SRC CLI)
 - Parameter Types

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