

Configuring Dynamic Schedulers with Variables in a Dynamic Profile

You can configure variables for the dynamic scheduler parameters. These values are dynamically obtained by RADIUS when a subscriber logs in or changes a service using a RADIUS change of authorization (CoA) message.

To configure dynamic scheduling and queuing in a dynamic profile:

1. Configure the scheduler and queuing parameters.

- a. Specify the scheduler name using a variable.

```
[edit dynamic-profiles profile-name class-of-service]
user@host# set schedulers $junos-cos-scheduler
```

- b. Configure the variable for the buffer size.

```
[edit dynamic-profiles profile-name class-of-service schedulers
$junos-cos-scheduler]
user@host# set buffer-size $junos-cos-scheduler-bs
```

- c. Configure the variables for the drop-profile maps and the drop profile.

```
[edit dynamic-profiles profile-name class-of-service schedulers
$junos-cos-scheduler]
user@host# set drop-profile-map loss-priority low protocol any drop-profile
$junos-cos-scheduler-low
user@host# set drop-profile-map loss-priority medium-low protocol any
drop-profile $junos-cos-scheduler-medium-low
user@host# set drop-profile-map loss-priority medium-high protocol any
drop-profile $junos-cos-scheduler-medium-high
user@host# set drop-profile-map loss-priority high protocol any drop-profile
$junos-cos-scheduler-high
user@host# set drop-profile-map loss-priority any protocol any drop-profile
"$junos-cos-scheduler-any"
```

- d. Configure the variable for the priority.

```
[edit dynamic-profiles profile-name class-of-service schedulers
$junos-cos-scheduler]
user@host# set priority $junos-cos-scheduler-pri
```

- e. Configure the variable for the transmit rate.

```
[edit dynamic-profiles profile-name class-of-service schedulers
$junos-cos-scheduler]
user@host# set transmit-rate $juno-cos-scheduler-tx
```

- f. Configure the variable for the excess rate.

```
[edit dynamic-profiles profile-name class-of-service schedulers
$junos-cos-scheduler]
user@host# set excess-rate $juno-cos-scheduler-excess-rate
```

- g. Configure the variable for the priority of the excess-rate.

```
[edit dynamic-profiles profile-name class-of-service schedulers
 $junos-cos-scheduler]
user@host# set excess-rate $juno-cos-scheduler-excess-priority
```

2. Associate the scheduler with a scheduler map.

- a. Configure the scheduler map name.

```
[edit dynamic-profiles profile-name class-of-service]
user@host# set scheduler-maps data-smap
```

- b. Configure the forwarding class.

```
[edit dynamic-profiles profile-name class-of-service scheduler-maps data-smap]
user@host# set forwarding-class be
```

- c. Configure the scheduler.

```
[edit dynamic-profiles profile-name class-of-service scheduler-maps data-smap
 forwarding-class be]
user@host# set scheduler $junos-cos-scheduler
```

- Related Topics**
- For hardware requirements and configuration guidelines, see Guidelines for Configuring Dynamic CoS for Subscriber Access
 - Configuring Dynamic Hierarchical Scheduling and Queuing in a Dynamic Profile for Subscriber Access
 - Changing CoS Services Overview

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