shaping-rate (Dynamic Traffic Shaping and Scheduling)

Syntax   shaping-rate (*rate* | *predefined-variable*);

Hierarchy Level   [edit dynamic-profiles *profile-name* class-of-service traffic-control-profiles *profile-name*]
[edit dynamic-profiles *profile-name* class-of-service schedulers *scheduler-name*]

Release Information   Statement introduced in JUNOS Release 9.2.
The $junos-cos-shaping-rate variable for traffic-control profiles added in JUNOS Release 9.4.
The $junos-cos-scheduler-shaping-rate variable for schedulers added in JUNOS Release 10.2.

Description   Configure a shaping rate for a logical interface or a scheduler. The sum of the shaping rates for all logical interfaces on the physical interface can exceed the physical interface bandwidth. This practice is known as oversubscription of the peak information rate (PIR).

Default   The default behavior depends on various factors.

Options   *rate*—Peak rate in bits per second (bps). You can specify the value as a complete decimal number or as a decimal number followed by the abbreviation k (1000), m (1,000,000), or g (1,000,000,000).
Range: 1000 through 160,000,000,000 bps

predefined-variable—One of the following JUNOS predefined variables. The variable is replaced with a value obtained from the RADIUS server when a subscriber authenticates over the interface to which the dynamic profile is attached.

- $junos-cos-shaping-rate—Variable for the shaping rate that is specified for the logical interface. Use this variable at the [edit dynamic-profiles *profile-name* class-of-service traffic-control-profiles *profile-name*] hierarchy level.

- $junos-cos-scheduler-shaping-rate—Variable for the shaping rate that is specified for a scheduler. Use this variable at the [edit dynamic-profiles *profile-name* class-of-service schedulers *scheduler-name*] hierarchy level.

Required Privilege Level   interface—To view this statement in the configuration.
interface-control—To add this statement to the configuration.

Related Topics
- Guidelines for Configuring Dynamic CoS for Subscriber Access
- Configuring Traffic Scheduling and Shaping for Subscriber Access
- output-traffic-control-profile