

CoS for Subscriber Access Overview

This topic describes class-of-service (CoS) functionality for dynamic subscriber access.

JUNOS CoS enables you to divide traffic into classes and offer various levels of throughput and packet loss when congestion occurs. This allows packet loss to happen according to rules that you configure. The JUNOS CoS features provide a set of mechanisms that you can use to provide differentiated services when best-effort traffic delivery is insufficient.

In a subscriber access environment, service providers want to provide video, voice, and data services over the same network for subscribers. You can configure the router to provide hierarchical scheduling for subscribers by dynamically adding or deleting queues when subscribers require services.

In this network, subscribers are mapped to IP demux interfaces or VLANs. Depending on your deployment, you configure CoS parameters in the static `[edit class-of-service]` hierarchy and in the `[edit dynamic profiles class-of-service]` hierarchy.

Hardware Requirements for CoS for Dynamic Subscriber Access

To configure CoS for dynamic subscriber access, you must have a Enhanced Queuing Distributed Port Controllers (EQ DPC) on the MX-series router.

- Related Topics** ■ [Configuring Static Scheduling and Queuing in a Dynamic Profile for Subscriber Access](#)

