

## Providing QoS for Ethernet Overview

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Managing the bandwidth of downstream ATM traffic to Ethernet interfaces is difficult because of different layer 2 encapsulations and the ATM cell pad, trailer, and header.

The SAR scheduler is not available for Ethernet interfaces. However, you can still configure the operational shaping mode to shape downstream ATM traffic based on either frames or cells. Configuring cell-based shaping enables you to reduce packet drops in the Ethernet network by adjusting shaping for the ATM cell pad, trailer, and header.

You can also use RADIUS to provide QoS on bulk-configured VLAN subinterfaces.

- Related Topics**
- [QoS Shaping Mode for Ethernet Interfaces Overview](#)
  - [Creating a QoS Interface Hierarchy for Bulk-Configured VLAN Subinterfaces with RADIUS](#)
  - [To configure subscriber-based QoS for 802.3ad link aggregation interfaces, see QoS for 802.3ad Link Aggregation Interfaces Overview](#)

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