



## Preface

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This document describes the Cisco IOS XR Quality of Service (QoS) feature for prioritizing traffic flow and providing preferential forwarding for higher-priority packets. The QoS techniques described include allocating bandwidth, improving loss characteristics, avoiding and managing network congestion, metering network traffic, and setting traffic-flow priorities across the network.

For QoS command descriptions, usage guidelines, and examples, refer to the *Cisco ASR 9000 Series Aggregation Services Routers Modular Quality of Service Command Reference*.

The preface contains the following sections:

- [Changes to This Document, page IR-xi](#)
- [Obtaining Documentation and Submitting a Service Request, page IR-xii](#)

## Changes to This Document

The following table lists the technical changes made to this document.

**Table 1** Changes to This Document in Cisco IOS XR 4.1

Revision	Date	Change Summary
OL-24691-01	April, 2011	<p>In the “Configuring Modular QoS Congestion Management” module, added the following feature:</p> <ul style="list-style-type: none"><li>• 2-rate 3-color (2R3C) policer—This feature includes the <b>conform-color</b> and <b>exceed-color</b> commands. it is applicable to the SIP 700 line cards, ingress side.</li></ul> <p>In the “Modular QoS Deployment Scenarios” module, added the following feature:</p> <ul style="list-style-type: none"><li>• VPLS and VPWS QoS</li></ul>

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

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