



Implementing Cisco QoS

QOS

Course Overview

The Implementing Cisco Quality of Service (QoS) v2.5 course provides learners with an in-depth knowledge of QoS requirements, conceptual models such as best effort, IntServ, and DiffServ, and the implementation of QoS on Cisco platforms. The curriculum covers the theory of QoS, design issues, and configuration of various QoS mechanisms to facilitate the creation of effective administrative policies providing QoS.

Case studies and lab exercises included in the course help learners to apply the concepts from the individual modules to real-life scenarios. The course also gives learners design and usage rule for advanced QoS features. This gives the learners the opportunity to design and implement efficient, optimal, and trouble-free multiservice networks.

Objectives

- Upon completing this course, the learner will be able to meet these overall objectives:
- Explain the need for QoS, describe the fundamentals of QoS policy, and identify and describe the different models that are used for ensuring QoS in a network
 - Explain the use of MQC and AutoQoS to implement QoS on the network and describe some of the mechanisms used to monitor QoS implementations
 - Given a converged network and a policy defining QoS requirements, classify and mark network traffic to implement the policy
 - Use Cisco QoS queuing mechanisms to manage network congestion
 - Use Cisco QoS congestion avoidance mechanisms to reduce the effects of congestion on the network
 - Use Cisco QoS traffic policing and traffic shaping mechanisms to effectively limit the rate of network traffic
 - Given a low speed WAN link, use Cisco link efficiency mechanisms to improve the bandwidth efficiency of the link
 - Describe the recommended best practices and methods used for end-to-end QoS deployment in the enterprise



Prerequisite Knowledge

To fully benefit from this course, you should be in possession of the CCNA certification

