CiscoPress - IP Quality of Service

Learn to deliver and deploy IP QoS and MPLS-based traffic engineering by understanding:

- QoS fundamentals and the need for IP QoS
- The Differentiated Services QoS architecture and its enabling QoS functionality
- The Integrated Services QoS model and its enabling QoS functions
- ATM, Frame Relay, and IEEE 802.1p/802.1Q QoS technologies and how they work with IP QoS
- MPLS and MPLS VPN QoS and how they work with IP QoS
- MPLS traffic engineering
- Routing policies, general IP QoS functions, and other miscellaneous QoS information

Quality-of-service (QoS) technologies provide networks with greater reliability in delivering applications, as well as control over access, delay, loss, content quality, and bandwidth. IP QoS functions are crucial in today's scalable IP networks. These networks are designed to deliver reliable and differentiated Internet services by enabling network operators to control network resources and use. Network planners, designers, and engineers need a thorough understanding of QoS concepts and features to enable their networks to run at maximum efficiency and to deliver the new generation of time-critical multimedia and voice applications.

IP Quality of Service serves as an essential resource and design guide for anyone planning to deploy QoS services in Cisco networks. Author Srinivas Vegesna provides complete coverage of Cisco IP QoS features and functions, including case studies and configuration examples. The emphasis is on real-world application-going beyond conceptual explanations to teach actual deployment.

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