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Quality of Service with Cisco Router (QOS)

Duration: 4 Days

Course Content

Quality of Service (QoS) is very important in today's network. Integrating voice, video, and other applications into IP network requires QoS to balance delay, jitter, and loss of each application's packets. This course is very useful for network engineers to design and implement QoS in their IP networks.

Course Outline

- Introduction to QoS
 - What is QoS?
 - QoS Design
- Classification & Marking
 - IP Precedence
 - Differentiated Services
 - LAN Classification & Marking
 - Modular QoS Classification & Marking
 - NBAR
- Queuing
 - Weighted Fair Queuing
 - Class-based Weighted Fair Queuing
 - Low-latency Queuing
- Congestion Avoidance
 - TCP Behavior
 - Random Early Detection
 - Weighted Random Early Detection
- Traffic Management
 - Traffic Policing
 - Traffic Shaping
- Link Efficiency Tools
 - Compression
 - Fragmentation
- QoS Design