

# Quality of Service (QoS) for Cisco Voice and Cisco Video

This Quality of Service (QoS) for Cisco Voice and Video training covers how to provide enhanced quality of service for a Cisco network that needs voice and video capabilities. Quality of Service, or QoS, is a huge and complicated topic that ultimately boils down to making sure that a network delivers traffic fast enough to provide services that require very low latency -- especially streaming video and real-time collaboration technologies.

[CBT Nuggets course material](#) →

## WEEK 1

### Describe Quality Problems

154 min.

Intro	1
The Need for QoS	12
The IntServ Model	10
The DiffServ Model	11
Quality Problems	16
Review and Quiz	4

### Describe DiffServ

Overview	1
Intro	1
Classification and Marking	16
Queuing and Scheduling	9
Congestion Management	11
Review and Quiz	12

### Describe DiffServ Techniques

Overview	1
Intro	1
Congestion Avoidance	13
Policing	11
Multi-rate, Multi-color Policers	14
Shaping	8

## WEEK 2

166 min.

Link Efficiency Mechanisms	10
Review and Quiz	5

## Describe QoS Requirements

Overview	1
Intro	1
Voice Requirements	15
Video Requirements	11
Critical and Best Effort Applications	8
Other Application Types	11
Review and Quiz	5

## Describe QoS Class Models

Overview	1
Intro	1
Defining QoS Class Models	10
4/5 Class Model	13
8 Class Model	10
11 Class Model (Baseline)	9
QoS Integration	9
Review and Quiz	4

## Describe QoS Policies

Overview	1
Intro	1
QoS Trust Boundaries	12
CoS, DSCP, and Table Maps	9
Auto QoS	16

## Configure MQC and LLQ

Overview	1
Intro	1
Configuring Class-Maps	7
Configuring Policy-Maps	8
Priority and Bandwidth	12
Policing	10
Shaping and WRED	9
Configuring Service-Policy	9
Review and Quiz	5

## Verify LLQ Configuration

Overview	1
Intro	1
Lab Overview	8
LLQ Configuration	15
Shaping, Policing, and WRED Configuration	20
Review and Quiz	5

## WEEK 3

**125 min.**

Call Admission Control (CAC)	6
Review and Quiz	4