

# Quality of Service

## Basic Concept for Converging Networks

Voice and video over IP are applications that require an appropriate quality of service (QoS) from the network. Controlled runtimes, low jitter and low losses must be complemented by guaranteed bandwidth. This is the only way to ensure good quality for the end user. The methods required for this are discussed in detail in this course. You will learn in detail which functional elements are required in the network for good QoS and how they can be implemented using current technologies. Practical exercises and demonstrations on the test network ensure lasting learning success. This means you are ideally equipped to ensure optimum QoS in your own projects.

### Course Contents

- Media Streams and the Real-Time Control Protocol (RTP)
- Audio and Video Codecs and their Typical Bandwidths
- Prioritization
- Traffic Contracts, Policing, and Shaping
- Delay, Jitter, and Packet Loss
- Admission Control
- Bandwidth Requirements and Reservation
- Access Lists
- QoS Measures in the LAN and IEEE 802.3p
- Queuing Methods
- QoS Models for Packet-Switched Networks
- DiffServ, Classes of Service (CoS), and Per-Hop Behavior
- DSCP Values and Drop Precedence
- MPLS and DiffServ

**E-Book** The detailed digital documentation package, consisting of an e-book and PDF, is included in the price of the course.

### Target Group

The course is equally suitable for planning/conceptual and technically interested participants. If you want to understand the possibilities and correlations in the QoS environment, this is the right course for you.

### Prerequisites

Good knowledge of the TCP/IP protocol family and Ethernet is required. A sound basic knowledge of telephony and signaling is also required. A willingness to engage with technical content is important.

### This Course in the Web



You can find the up-to-date information and options for ordering under the following link:  
[www.experteach-training.com/go/QOSV](http://www.experteach-training.com/go/QOSV)

### Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

### Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

### Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Training	Prices, excl. of V.A.T.	
Classes in Germany	3 Days	€ 1,995
Online Training	3 Days	€ 1,995
Date/course venue	Course language German	
03/09-05/09/25  Frankfurt	03/09-05/09/25  Online	

Status 03/21/2025

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