Publication date : 03/11/2024

Course : Voice Over IP, Technologies and Applications

Practical course - 4d - 28h00 - Ref. VON
Price : 2380 € E.T.

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Voice over IP has been proven to reduce telephony costs and provide unique opportunities for integrating voice and data. By completing this course participants will learn how to implement Voice over IP (VOIP) quality of service and how to use it for new applications.

Intended audience

This seminar is aimed at technicians, engineers and network architects interested in the identification of challenges and successes for the implementation of voice over IP technologies.

Prerequisites

The participant should have basic understanding of TCP/IP or telephony.

Course schedule

1 Introduction and technology

2 Protocols and data network technologies: the basics

- Introduction to OSI, Ethernet, LAN, WAN.

3 H.323 architecture

4 SIP architecture

- SIP protocol history.
- Components (proxy server, redirect server, registrar server...).
- SIP architectures and associated message flows.
- SIP server roles.

5 MGCP/MEGACO/H.248 architecture

- MGCP protocol history.
- Components (MG, Access GW, MCU...).
- H.248 architectures and associated message flows.

6 Voice quality

PARTICIPANTS

This seminar is aimed at technicians, engineers and network architects interested in the identification of challenges and successes for the implementation of voice over IP technologies.

PREREQUISITES

The participant should have basic understanding of TCP/IP or telephony.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

7 Packet networks: quality

- IP quality of service: definition.
- Why is quality of service needed?

TEACHING AIDS AND TECHNICAL RESOURCES

• The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
• At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
• A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

Dates and locations

REMOTE CLASS
2026 : 2 June, 2 June, 24 Nov., 24 Nov.

PARIS LA DÉFENSE
2026 : 2 June, 24 Nov.