

C10K

Cisco 10000 Series Essentials with Performance Routing Engine 2



This course enables you to learn about the features, functionality, characteristics, and connectivity options of Cisco® 10000 Series Routers with Performance Routing Engine 2 (PRE-2). It includes detailed platform-specific information on leased-line applications, hardware components and interfaces, software, PRE-2 architecture and functionality, packet flows, high availability, quality of service (QoS), and Multiprotocol Label Switching (MPLS) technology. You learn how to configure and verify operation of leased-line features and perform maintenance procedures, PRE-2 switchovers, and booting of the system using Cisco IOS® Software commands. Hands-on lab exercises reinforce these learning objectives.

Course Contents

- Module 1: Cisco 10000 Series Introduction
- Module 2: Hardware and Software Overview
- Module 3: Line Cards and Basic Interface Configuration
- Module 4: System Architecture
- Module 5: High Availability
- Module 6: Quality of Service
- Module 7: MPLS and LDP Technology Overview
- Module 8: MPLS VPN Overview
- Lab 1: Hardware and Software Verification
- Lab 2: Booting the System
- Lab 3: Configuring and Testing Channelized, Clear-Channel, Gigabit Ethernet, and SONET Interfaces
- Lab 4: Traffic Monitoring
- Lab 5: Performing PRE-2 Switchovers and testing PRE-2 Redundancy
- Lab 6: Configuring QoS
- Lab 7: Configuring MPLS LDP
- Lab 8: Configuring MPLS VPN

Target Group

This course is for technical professionals who need to know how to configure and maintain Cisco 10000 Series Routers with PRE-2:

- Customer technicians
- System engineers
- System integrators

Knowledge Prerequisites

- Familiarity with Cisco IOS commands and the Cisco IOS CLI Routing protocol
- Configuration experience with Border Gateway Protocol (BGP), Intermediate System-to-Intermediate System (IS-IS), and Open Shortest Path First (OSPF)
- Knowledge of BGP multihomed, multiautonomous system (AS) configurations
- Strong knowledge of MPLS configuration, Class of service and QoS



Reservation and Registration

We will be glad to make a free and non-binding course reservation for you for the duration of two weeks. On www.experteach.de under *Registration*, you can conveniently make course reservations, registrations, and hotel reservations. Alternatively, call us under +49 6074 4868-0.

For closed groups of participants, we can modify the course contents according to your requirements. Do not hesitate to contact us!



C10K

4 days

€2,190 exclusive of V.A.T.

Course date (mm/dd/yy)/Location

Course dates available on request

Up-to-date information: www.experteach-training.com

C10K



EXPERTeach



Advanced
Services

ICT Training
International



ExperTeach Gesellschaft für Netzwerkkompetenz mbH

Waldstr. 94 • D-63128 Dietzenbach

Phone +49 6074 4868-0 • Fax +49 6074 4868-109

info@experteach.de • www.experteach.de

© ExperTeach GmbH, all specifications made are exempted from liability.

Status 06/23/2010