

# DMCES

## Deploying and Maintaining Carrier Ethernet Services



The Cisco Deploying and Maintaining Carrier Ethernet Services course gives students the knowledge and skills required to configure, administer, and deploy Layer 2 Ethernet services as defined by the Metro Ethernet Forum (MEF) on a service provider or large enterprise Multiprotocol Label Switching (MPLS)-enabled network. Students learn how to configure customer premises equipment (CPE) to connect to the MPLS network and configure the access, aggregation, distribution, and core portions of the service provider or large enterprise network to provide the Layer 2 Ethernet services. Students also learn how to secure the network to protect it from attack. Labs are designed to reinforce what is discussed in the lecture.

### Course Contents

Lesson 1: Introduction

Lesson 2: Overview of Carrier Ethernet Services and the Cisco Carrier Ethernet System

Lesson 3: Building a Network Core

Lesson 4: Building an Access Network

Lesson 5: Point-to-Point Ethernet virtual connection (EVC): E-Line Service

Lesson 6: Multipoint-to-Multipoint EVC: E-LAN Service

Lesson 7: Scaling and Extending Ethernet Services

Lesson 8: Increasing the Availability of Ethernet Services

Lesson 9: Securing a Carrier Ethernet Network

Lesson 10: Deploying QoS in a Carrier Ethernet Network

Lesson 11: Managing Services in a Carrier Ethernet Network

### Target Group

This course is for network administrators, network operators, and system administrators who need to know how to configure and deploy Carrier Ethernet services in their network environment.

### Knowledge Prerequisites

Ability to efficiently use Cisco IOS® Software command line interface to perform configurations

Ability to design hierarchical Layer 2 and Layer 3 networks

Ability to configure, optimize, and scale dynamic routing protocols, in particular Open Shortest Path First (OSPF), Border Gateway Protocol (BGP), and MPLS

Ability to configure, optimize, and scale Layer 2 protocols

Familiarity with QoS and SLA principles and methodologies



### 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](http://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!



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5 days €2,990 exclusive of V.A.T.

### Course date (mm/dd/yy)/Location

09/06-09/09/10 Monza 11/22-11/25/10 Frankfurt

Up-to-date information: [www.experteach-training.com](http://www.experteach-training.com) DMCE



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