



Implementing Cisco MPLS

What you'll learn in this course

Service providers (and enterprises acting as service providers) are faced with many challenges in terms of customer demand, including an ongoing need for value-added services. Conventional IP packet forwarding has several limitations, and more and more service providers realize that something else is needed. Not only must service providers be concerned with protecting their existing infrastructure, but they must also find ways to generate new services that are not currently supportable using existing technologies.

Course duration

- Instructor-led training: 5 days in the classroom with hands-on lab practice
- Virtual instructor-led training: 5 days of web-based classes with hands-on lab practice
- E-learning: Equivalent of 5 days of instruction with hands-on lab practice, videos, and challenges

Course details

Objectives

Service providers (and enterprises acting as service providers) are faced with many challenges in terms of customer demand, including an ongoing need for value-added services. Conventional IP packet forwarding has several limitations, and more and more service providers realize that something else is needed. Not only must service providers be concerned with protecting their existing infrastructure, but they must also find ways to generate new services that are not currently supportable using existing technologies.

Who should enroll

- Channel Partner/
Reseller
- Customer
- Employees

How to enroll

To enroll in the MPLS course or explore our larger catalog of courses on Cisco Digital Learning, contact us at <training@fastlane-mea.com>

Course details

Prerequisites

Cisco Certified Network Associate (CCNA) certification or equivalent level of working knowledge and experience

Equivalent knowledge and skill that can be acquired by attending Cisco's training courses Implementing Cisco IP Routing (ROUTE) and Configuring BGP on Cisco Routers (BGP). Practical experience with deploying and operating networks based on Cisco network devices and Cisco IOS is strongly recommended.

The Implementing Cisco Quality of Service (QoS) course is highly recommended because QoS knowledge is assumed in several sections of the course.

Outline

Module 1: MPLS Features - 3 Lessons

Module 2: Label Assignment and Distribution - 3 Lessons

Module 3: Frame-Mode MPLS Implementation on Cisco IOS Platforms - 4 Lessons

Module 4: MPLS Virtual Private Network Technology - 4 Lessons

Module 5: MPLS VPN Implementation - 8 Lessons

Module 6: Complex MPLS VPNs - 4 Lessons

Module 7: Internet Access and MPLS VPNs - 3 Lessons

Module 8: MPLS Traffic Engineering Overview - 4 Lessons

