Implementing Cisco MPLS 3.1

What you'll learn in this course

The Implementing Cisco Multiprotocol Label Switching training teaches you the high-performance method for forwarding packets through a network. MPLS enables routers at the edge of a network to apply simple labels to packets. This practice allows the edge devices to switch packets according to labels, with minimal lookup overhead. MPLS integrates the performance and traffic-management capabilities of data link Layer 2 with the scalability and flexibility of network Layer 3 routing. When used in conjunction with other standard technologies, MPLS gives the ability to support value-added features..

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 video instruction with hands-on lab practice

Who should attend

- Network administrators
- Network engineers
- Network managers
- Systems engineers (who would like to implement MPLS and MPLS Traffic Engineering)

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

Outline

- MPLS Features
- Label Assignment and Distribution
- Frame-Mode MPLS Implementation on Cisco IOS Platforms
- MPLS Virtual Private Network Technology
- MPLS VPN Implementation
- Complex MPLS VPNs
- Internet Access and MPLS VPNs
- MPLS Traffic Engineering Overview

Prerequisites

The knowledge and skills you are expected to have before attending this training are:

- It is recommended, but not required, to have the following skills and knowledge before attending this course:
- Intermediate to advanced knowledge of Cisco IOS Software configuration
- Configuring and troubleshooting EIGRP, OSPF, IS-IS and BGP
- The following Cisco courses can help you gain the knowledge you need to prepare for this course:
- Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)