Implementing Cisco MPLS (MPLS)

Price: 750

Duration 365 Days

Delivery Methods eLearning

URL Enroll   Buy Now

Overview

The duration of this course is 24 hours, and it is eligible for 40 CE credits towards recertification.

The Implementing Cisco Multiprotocol Label Switching (MPLS) 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.

How You'll Benefit

This training will help you:
- Acquire the skill of implementing MPLS high-performance methods for forwarding packets in a network
- Learn to configure routers at the network edge to apply simple labels to packets
- Gain the knowledge to enable edge devices, ATM switches, or existing routers to switch packets based on labels within the service provider core
- Master the skill of minimizing lookup overhead in the packet-switching process
- Gain proficiency in integrating the performance and traffic-management capabilities of data-link Layer 2 using MPLS
- Acquire the skill of combining the scalability and flexibility of network Layer 3 routing through MPLS
- Learn to leverage MPLS with other standard technologies to implement value-added features for service providers' networks

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

Path Objectives
- Describe the features of MPLS
- Describe how MPLS labels are assigned and distributed
- Identify the Cisco IOS tasks and command syntax necessary to implement MPLS on frame-mode Cisco IOS platforms
- Describe the MPLS peer-to-peer architecture and explain the routing and packet forwarding model in this architecture
- Identify the Cisco IOS command syntax required to successfully configure, monitor, and troubleshoot VPN operations
- Identify how the MPLS VPN model can be used to implement managed services and internet access
- Describe the various internet access implementations that are available and the benefits and drawbacks of each model
- Provide an overview of MPLS Traffic Engineering

Learning Path Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:
- Intermediate to advanced knowledge of Cisco IOS Software configuration
- Configuring and troubleshooting EIGRP, OSPF, IS-IS, and BGP

These skills can be found in the following Cisco Learning Offerings:
- Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)

Learning Path 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

Why Professional Choose TOPTALENT?

Dedicated Texas-Based Support

Get assistance every step of the way from our **Texas-based team**, ensuring your training experience is hassle-free and aligned with your goals.

3000+ Curated Professional Courses

Access an extensive portfolio of over 3000 courses across IT, Business Application and Leadership – Designed to meet evolving Industry demands

95% Client Approval Rating

Trusted by professionals nationwide our 95% approval rating reflects consistent quality, measurable impact and exceptional service.

Certified Industry Instructor

Learn from professionaly certified experts with real world experience and a proven commitment to learner success.

For questions

call:

[(469) 721-6100](tel:4697216100)

Email:

info@toptalentlearning.com

[Find More Training](#)

FAQ

What if I have to reschedule my class due to conflict?

Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to info@toptalentlearning.com to avoid rescheduling penalties.

How do I enroll for this class?

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

What happens once I purchase a class?

You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a 'Certificate of Completion' once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.