


Power your team with a customized class taught by a world class instructor!

Learn from our 25+ years' technology experience and knowledge of industry best practices.



"Talk to us, an onsite class may be more affordable than you realize."

Why Eogogics?

- **Unmatched Expertise:** Industry-leading 500-course curriculum based on first-hand technology experience. We have been engaged in ground-breaking projects worldwide for 25+ years.
- **High Client Satisfaction:** All of our classes rate good-to-excellent, high client retention, bulk of our business is from loyal clients or their referrals. See our website for enthusiastic testimonials.
- **World-class Instructors:** Advanced degrees, 15-30 years in the real world, publications, patents, awards, honors. They mix teaching with R&D and consulting to keep their tech edge razor sharp. They are as dynamic and entertaining as they are knowledgeable.
- **Customized, Practical Courses** that focus on your technical needs. Take a class onsite or, in some cases, on the Web. Flexible schedules.
- **Buy Coach, Travel First Class:** Using technology to lower our operating expense, we offer best-in-class instructors and tailored courses for 10-15% below market.

Power Your Organization with an Eogogics Workshop! Avoid the cost and delay of trial-and-error. Benefit from our 25+ year knowledge of industry best practices and unbiased advice.

Join a Distinguished Clientele of Fortune 100/500 Companies

Lockheed Martin, UBS, Boeing, Disney, Raytheon, Dell, AT&T, ABC News, Verizon, Sprint, Comcast, LightSquared, TruePosition, DIRECTV, L-3, ITT, SAIC, URS. Shaw, NII, Intelsat, Crown Castle, Harris, Booz Allen Hamilton, Spectra Energy, Xerox, Cooper, Bain & Co., DoD, DHS, DoE, DoC, DoJ, GSA, NASA.

*So minimize the time and money lost to the learning curve, synch up with the industry best practices, receive a second opinion on your technology strategy, and arrive at your technology destination happier, more successful.
Call or email us today!*

Contact us today for free consultation with a subject matter expert!

MPLS Short Course

COURSE ID MPLS1D | Duration 1 day | Private Class taught onsite

Course in a Nutshell



This course provides a high-level overview of Multi Protocol Label Switching (MPLS), a central element of next generation networks. MPLS offers an IP-compatible, QoS-capable infrastructure that makes possible the convergence of voice, IP, ATM, Ethernet, and Frame Relay onto the same backbone network. MPLS provides the ability to combine the intelligence and scalability of routing with the reliability and manageability of traditional carrier networks. MPLS is the key to scalable Virtual Private Networks (VPNs) and end-to-end Quality of Service (QoS).

Customize It!

We will customize this course to your specific needs by adding or omitting topics, increasing or decreasing the level of detail, or making other changes as requested. Those who need a detailed technical treatment of the subject should consider our longer MPLS course listed under Related Courses.

Learn How To

- Summarize the developments that led to MPLS
- Explain the underlying concepts of MPLS
- List the benefits of MPLS
- Describe the basic architecture of MPLS
- Describe the operation of MPLS
- Describe the major MPLS services
- Describe the key emerging technologies vis-à-vis MPLS
- Understand how MPLS will interact with emerging technologies

Audience / Prerequisites

Aimed At

Managers and less technical professionals who need a high-level overview of MPLS

Prerequisites

You should have some prior familiarity with data networking concepts and IP.

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Eogogics Inc | www.eogogics.com, www.gogics.com | ☎ +1 703 281 3525, ☎ USA 1 888 364 6442 | ✉ info@eogogics.com

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Related Courses

- MPLS: Integrated Routing / End-to-End QoS ([MPLS](#), 2-3 days)
- MPLS – Comprehensive ([MPLS10](#), 2-4 days)
- MPLS Applications ([MPLSAEA](#), 2-3 days)
- TCP/IP Networks Overview ([TCPIP3](#), 3 days)
- TCP/IP Networks: Advanced Topics ([TCPIP2](#), 2 days)

Course Outline

- Fundamentals of MPLS
 - Pre-MPLS protocols
 - Evolution of MPLS
 - Basic concepts and definition of MPLS
 - Switching vs. Routing
- Benefits of MPLS
 - The use of One Unified Network Infrastructure
 - BGP free core
 - Peer-to-Peer VPN model versus Overlay VPN Model
 - Optimal traffic flow
- Basics of MPLS Architecture and Operation
 - Label Switching
 - Introducing MPLS labels
 - MPLS and OSI reference model
 - MPLS nodes
 - Label Edge Router (LER)
 - Label Switch Router (LSR)
 - Customer Edge (CE)
 - Customer (C)
 - Label Switched Path (LSP)
 - MPLS operation
 - Quality of Service (QoS) and MPLS

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- Overview of MPLS Services
 - MPLS VPNs
 - VPLS
 - Pseudowire
- Deploying MPLS: Migration and Implementation Issues
- MPLS and Emerging Technologies
- Conclusion: Recap, Q/A, and Evaluation

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About Eogogics: Founded in 2005 and located in Washington, DC, Eogogics offers technology and soft skills training and consulting to organizations worldwide.

Our Skillset: Wireless (2G to 5G+, Bluetooth, WiFi), RF, Microwaves, Spectrum Management, SATCOM, Telecom (IP Networks, Intelligent Networks, SONET/SDH, DWDM, backhaul, tmforum™ courses, Defense/Security/Public Safety related, Telecom for Non-engineers), Technologies (Mechanical Engineering/Manufacturing, Reliability, Software/Systems, Cloud Computing, SDN, NFV, Technical and Project Management), Leadership/Management, Soft Skills.

About the Eogogics Team: Eogogics is led by KK Arora, formerly Founder and Managing Director, Wireless Institute and Vice President, Human Capital Management, LCC International. A wireless telecom industry pioneer, award winning teacher, and author with 25 years of executive experience, he leads a team of highly accomplished professionals who rank at the top of their chosen fields and who have earned many distinctions including patents, publications, awards, and honors. Our five-person leadership team collectively offers: 106 years of technology experience (91 years in telecom, 66 years in wireless), 156 years in training (106 years in technology training, 50 years in soft skills training), and 101 years in consulting (61 years in technology, 40 years in soft skills).

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