

MEF-CECP: A Guide to Advanced Industry Networking

Duration: 4 Days

Prerequisites:

A basic understanding on the following topics is needed for class:

- Networking background, such as vendor-based "Introduction to Networking"
- Ethernet
- TCP/IP and WAN principles
- VLAN technologies
- Class of Service (CoS)

Course Description:

This course provides an overview of Carrier Ethernet technologies, the MEF specifications for services and how these can be delivered over carrier core. In addition, this course provides information on metro and access networks along with other services deployed over a range of core transport and access technologies. It also provides a solid introduction to the principles of network and service design. While carriers have offered connectivity services based on traditional TDM, Frame Relay, ATM, DSL, and even SDH for many years, customers now use Ethernet as the interface of choice for virtually all services and applications. The cost of operating separate networks to provide each service, as well as the need to sell higher bandwidth services than can be offered with traditional networks, is forcing carriers to move to newer, more cost-effective technologies such as Ethernet, Backbone Bridging, IP, and MPLS.

Course Description:

The path to becoming a MEF Carrier Ethernet Certified Professional is a rewarding one in terms of job opportunity, knowledge, and prestige. MEF-CECPs worldwide, have increased five-fold since 2015. The benefits of certification include increased opportunities for career advancement and earnings and a documented way to demonstrate knowledge, experience and competency to employers and the industry. New MEF-CECPs join an elite set of professionals and thought leaders who have proven expertise in Carrier Ethernet and through networking with them gain significant industry contacts. Certification can also demonstrate commitment to professional development and overall dedication to the industry.

This course will cover the major areas tested on the MEF-CECP certification exam including:

- Carrier Ethernet services and their attributes
- Implementation of Class of Service
- Traffic management
- Service OAM over those services
- Infrastructure and the applications they support
- Details on MEF certifications
- New MEF specifications

Target Audience:

- Anyone needing a professional level, in-depth knowledge of Carrier Ethernet
- Network Engineers involved in designing, maintaining, or troubleshooting Carrier Ethernet Networks
- Anyone wanting an understanding of MEF standards and specifications
- Pre-Sales Engineers, Product Specialists and other job roles

Course Outlines:

- Module 1: Ethernet and MEF Basics
- Module 2: Services and Attributes
- Module 3: Class of Service and Traffic Management
- Module 4: Service OAM
- Module 5: Infrastructure, Operations and Applications
- Module 6: MEF Certification

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