

Calix E5-400 Hands-On Fundamentals *(1 day)*

Learn the essential skills and procedures you need to deploy the new E5-400 Ethernet and transport aggregation platform. In this class you will provision protected Ethernet transport networks using EAPS and RSTP between E5-400 shelves. You'll also learn how to configure Ethernet aggregation for access platforms like the C7 and E5-100, including configuring protected connections using RSTP and LAG. This course is available in-person or through our Virtual Classroom.

Who should attend

- Technicians who manage, maintain, troubleshoot, and configure Ethernet transport networks
- Technicians who configure and maintain Ethernet uplinks from the C7, E5-100, or F5 access platforms
- Engineers and planners who want an overview of the Calix E5-400

Prerequisites

- Knowledge of telecommunications and engineering standards
- Understanding of Ethernet networks including Layer 2 switching and VLANs
- Comfort with using computers and software

Learning aids

During the class, you'll follow along with the lectures and demonstrations using a printed reference guide. After class, you will use the reference guide to review class content and view procedures. Calix also provides you with a Calix pen and certificate of completion.

Topics

E5-400 Overview

- Platform Overview
- Applications Overview: Ethernet Transport, Ethernet Aggregation, Transparent LAN Service
- Setting up the E5-400

Register online at:

http://www.calix.com/portal/courses/classroom_training.jsp

Configuring EAPS Transport

- Configuring Ethernet Interfaces
- Configuring Service VLANs

Configuring Ethernet Aggregation

- Configuring uplinks and downlinks to C7 and E5-100 series
- Configuring uplinks to switches and routers
- Creating Tag Actions
- Configuring RSTP for uplinks and downlinks
- IGMP Multicast Support
- Ethernet Traffic Management

Configuring Ethernet Transport

- Configuring an Ethernet Transport Ring with RSTP
- Configuring Linear Ethernet Transport with RSTP or LAG

Configuring E5-400 Redundant Pairs

- Configuring a Redundant Pair using RSTP Links
- Configuring a Redundant Pair using LAG Links
- Configuring a Redundant Pair using EAPS

Configuring Ethernet Business Services

- Transparent LAN Service

Management and Performance Monitoring

- Ethernet Port Mirroring
- VLAN Monitors
- User Management

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