

Calix E7 Hands-On Fundamentals *(1 day)*

Learn the essential skills and procedures you need to deploy the E7 Ethernet services access platform. In this class you will provision protected Ethernet transport networks using ERPS and RSTP between E7 shelves. You'll also learn how to configure Ethernet aggregation with protected connections using RSTP and LAG. Note: for Virtual Classrooms you need to provide your own computer.

Who should attend

- Technicians who manage, maintain, troubleshoot, and configure Ethernet transport networks
- Technicians who perform installation, provisioning, operations, and maintenance with the Calix E7
- Engineers and planners who want an overview of the Calix E7

Prerequisites

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

Learning aids

During the class, you'll follow along with the lectures and demonstrations using a printed reference guide. After class, you can use the reference guide to review class content and view procedures.

Topics

E7 Overview

- Platform overview
- Setting up the E7
- System turn up
- Modular chassis

Configuring Ethernet Transport

- ERPS review
- Configuring ERPS transport
- E7 node protection

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

- Ethernet transport using RSTP
- Configuring RSTP settings

Configuring Services

- Configuring VLANs
- Configuring Ethernet aggregation
- Creating tag actions
- Configuring RSTP for uplinks and downlinks

Managing Ethernet Traffic

- Data flow
- Configuring ingress QoS policies
- Creating class of service profiles

Troubleshooting

- Ethernet port mirroring
- VLAN monitoring
- Performance monitoring

Management

- Software upgrade
- User management
- Database backup and restore

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