

## Course Description

This course provides a basic overview of the Calix E7-2 and E7-20 Ethernet Services Access Platforms. It covers the E7 platforms, services and applications, Ethernet features, and monitoring and management.

### Objectives

- Identify the two types of E7 chassis
- Identify each E7 line card
- Describe the types of services the E7 platform delivers
- Describe the applications that can be deployed with the E7 platform
- Describe the types of interfaces used with the E7 platform
- Describe the process for turning up a new E7
- Navigate the E7 management system
- Configure E7 Ethernet port mirroring
- Configure an E7 VLAN monitor
- View E7 performance monitoring counters and statistics
- View E7 IGMP and multicast data
- Configure and view E7 environmental alarms
- Perform a backup and restore procedure on an E7
- Perform an E7 software upgrade
- Create and manage user accounts on an E7

### Who should attend?

- Technicians who install, manage and maintain the Calix E7 platform

### Prerequisite Training and Skills

- Understanding of Ethernet networks

### Training Resources in My Calix

- [Learning Solutions](#)
- [Certifications](#)

## Delivery Mode

This interactive online eLearning course consists of content delivered as video clips, simulations, demonstrations, and other self-paced formats. Learners are prompted to interact with the content as they progress through the course. Calix eLearning courses are often accompanied by voice-over audio. To get the most out of your learning experience, Calix recommends accessing your eLearning course through Chrome or Firefox.

Course Duration: 60 minutes

Lessons	Topics
<b>01</b> Introduction to the E7 Platform	Platform Overview Line Card Overview Setting up a Modular Chassis with the E7-2 Understanding Status Indicators
<b>02</b> Delivering Services with the E7 Platform	Subscriber Services Overview Delivering Voice Services Delivering Video Services Delivering High Speed Internet Delivering Business Services – MEF Data Service Delivering Business Services – T1/E1 Psuedowire Emulation Service
<b>03</b> Deploying the E7	E7 Fiber to Premises (FTTP) application E-7 Ethernet Point-To-Point Aggregation Ethernet Link Aggregation Ethernet Transport Ring E7 and Calix ONTs
<b>04</b> Ethernet Interfaces	Interface Types (Trunk, Edge, Access) Interface Rules

## 05 Ethernet Transport

### Introduction to Ethernet Transport Protocols

ERPS Overview

RSTP Overview

Link Aggregation Overview

## 06 Turning Up an E7

Accessing the E7 Management Interface

System Turn-up Process

Accessing the System Turn-up Tool

## 07 Monitoring and Management

Common E7 Monitoring and Maintenance Tasks

Performance Management

Fault Management

Security Management

SNMP

Ethernet Port Table

Batch Operations

Port Mirroring

Configuring Port Mirroring

Port Mirroring Configuration Demonstration

VLAN Monitoring

VLAN Monitoring Configuration Demonstration

Environmental Alarms

Software Upgrade

Software Upgrade Process

Database Backup and Restore

Database Reset and Reboot