

Course Description

Learn the essential skills and procedures you need to deploy the E9 Ethernet services access platform. In this class you will learn about the E9 platform, how to interconnect E9 shelves, how to turn up an E9 system, how to use SMx to view E9 system data, how to manage E9 configuration files, and how to provision an E9 uplink.

Objectives

- Describe the characteristics of the E9-2 chassis
- Interconnect an E9 aggregation shelf and access shelves
- Turn up an E9 system
- Log into SMx and use SMx to view E9 system data
- Save, backup, restore, and view configuration files
- Provision the E9 to create a Link Aggregation Group uplink

Who should attend?

- Central office and field technicians and installers, network planners, and engineers who install, manage, maintain, troubleshoot, and configure E9 networks

Prerequisite Training and Skills

- Introduction to E9 online class
- SMx Overview online class

Training Resources in My Calix

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

Delivery Mode

This instructor-led course consists of learning content delivered by an experienced Calix instructor in a virtual classroom or at a physical location. Learners are provided with access to a live lab environment for hands-on lab exercises that reinforce the course content.

Lessons	Topics
<p>01 E9-2 Shelf Overview</p>	<p>E9 Product overview E9 Platform overview E9 Chassis Shelf connections Aggregation card Access card System capacity</p>
<p>02 Interconnecting Shelves</p>	<p>Fan-out cable Connecting CDFP and QSFP interfaces Shelf interconnections</p>
<p>03 Turn Up</p>	<p>Manual vs. automatic turn-up Connecting to a local management port Command line interface management Logging into the CLI CLI modes CLI help Configuring craft interfaces for remote management Configuring basic system settings</p>
<p>04 Using SMx</p>	<p>Logging into SMx SMx Home screen Configuring the E9 using SMx Node tab VLAN tab Viewing ONTs Channel groups Viewing alarms</p>

05**Managing Configuration Files**

- Startup config vs. running config
- Default startup file characteristics
- Copying config files
- Backing up config files
- Viewing config files
- Restoring config files

06**Creating a LAG Uplink**

- Training network diagram
- Link Aggregation
- Create an uplink VLAN
- Create a Transport Service Profile
- Create Link Aggregation groups
- Configure uplink Ethernet ports and assign to a LAG
- Verify LAG configuration

07**Wavelength Mobility**

- Wavelength mobility
- Coexistence with GPON
- Definitions and terms
- Channel groups and channel partitions
- Viewing channel groups
- Wavelength mobility implementation
- High-availability use cases
- Enabling a PON interface
- Configuring a channel group and channel partition