

Course Description

Learn the essential skills and procedures you need to deploy the E9-2 Ethernet services access platform. In this class you will learn about the E9-2 platform, how to interconnect E9-2 shelves, how to turn up an E9-2 system, how to configure a layer 3 link aggregation group uplink, how to enable DHCP and URL redirect, and how to configure layer 3 transport services.

Objectives

- Describe the characteristics of the E9-2 chassis, shelf types, and capacity
- Connect an E9-2 aggregation shelf and access shelves
- Connect to a local management port and log into the CLI
- Understand the CLI modes
- Configure the system craft interface
- Provision an E9-2 shelf with basic system settings
- Configure a Layer 3 LAG uplink
- Enable DHCP on the E9-2
- Enable URL Redirect
- Create the transport services needed to turn up layer 3 services on an E9-2

Who should attend?

- Central office and field technicians and installers, network planners, and engineers who install, manage, maintain, troubleshoot, and configure E9-2 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
01 E9-2 Shelf Overview	E9 Product overview E9 Platform overview E9 Chassis Shelf connections Aggregation card Access cards System capacity
02 Interconnecting Shelves	Fan-out cable Connecting CDFP and QSFP interfaces Shelf interconnections
03 Turn Up	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
04 Configure a Layer 3 LAG Uplink	Process for creating a LAG uplink Create Layer 3 uplink VLANs Create Layer 3 VLAN uplink interfaces Create transport service profiles Create link aggregation groups Configure uplink Ethernet ports and assign to a LAG Verify the LAG configuration
05 IP Address Management	Subscriber IP address management

		DHCP server specifics DHCP server profiles DHCP server pools DHCP configuration example DHCP client ARP handling High-level call flow
06	URL Redirect	Walled garden and HTTP redirect overview IP prefix lists IP class maps IP policy maps Redirect example
07	Configuring Transport Services	Provision a Multibind Interface Provision DHCP Service Provision Diameter Profiles Provision RADIUS Profiles Provision a Control Policy