

Course Description

This course provides an overview of how to configure an E7 to distribute service traffic from an uplink device to subscribers, including the use of VLANs and tag actions.

Objectives

- Configure an E7 to allow tagged service traffic to flow through the uplink, through the E7, to individual subscriber ports.
- Configure an uplink port, configure service VLANs, make VLAN associations, create tag actions, and configure individual redundant downlink ports

Who should attend?

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

Prerequisite Training and Skills

- Completion of Introduction to E7 or equivalent knowledge
- Understanding of Ethernet networks including layer 2 switching and VLANs

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: 30 minutes

Lessons	Topics
01 Configuring VLANS	Services Ethernet Interfaces vs. Ethernet Ports Interface Roles Interface Roles on the E7-2 and E7-20 Service VLANs Steps to Configuring VLANs VLAN Configuration Example VLAN Membership
02 Configuring Ethernet Aggregation	Ethernet Aggregation Example Ethernet Aggregation Configuration Demonstration Video
03 Tag Actions	Tag Actions Example Creating Tag Actions Tag Action Types Configure Tag Actions Demonstration Video
04 Link Protection using RSTP	Link Protection Using RSTP RSTP Roles RSTP Edge Link