

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

Prerequisite Training and Skills

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

Who should attend?

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

Course and Exam Duration: 30 Minutes

Lessons		Topics
01	Configuring VLANs	<ul style="list-style-type: none"> • Services • Ethernet Interfaces vs. Ethernet Ports • Interface Roles • Configuring E7 Services • Roles on the E7-2 and E7-20 • Service VLANs Steps to Configuring VLANs • VLAN Configuration Example • VLAN Membership
02	Configuring Ethernet Aggregation	<ul style="list-style-type: none"> • Ethernet Aggregation Example • Ethernet Aggregation Configuration Demonstration Video
03	Tag Actions	<ul style="list-style-type: none"> • Tag Actions Example • Creating Tag Actions • Tag Action Types • Configure Tag Actions Demonstration Video

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Link Protection using RSTP

- Link Protection Using RSTP
- RSTP Roles
- RSTP Edge Link