Course Description

This course provides an overview of the E7 Ethernet transport network. It includes details on how to configure Ethernet Ring Protection Switching (ERPS), a G.8032 Ethernet ring, a Link Aggregation Group (LAG), Rapid Spanning Tree Protocol (RSTP) ring, and node protection for the E7 platform.

Objectives

- Describe the concepts of Ethernet transport
- Configure ERPS in an E7 network
- Identify E7 protection and redundancy schemes
- Deploy node protection
- Configure RSTP and LAG in an E7 network

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: 60 minutes

Lessons		Topics
01	Ethernet Transport Basics	Transport Overview Transport Network Roles E7 System Configuration
02	ERPS Overview	Introduction Detecting Link Failures Deploying ERPS Planning ERPS Ports ERPS Cabling ERPS Associated Interface and Port Settings Create and ERPS Domain ERPS Provisioning Simulation
03	Node Protection	E7-2 Node Protection E7-2 Node Protection Example Configuring Node Protection With ERPS Node Protection Provisioning Simulation
04	Rapid Spanning Tree Protocol	Rapid Spanning Tree Protocol Overview Configuring RSTP Transport
05	G.8032 Ethernet Ring Protection	G.8032 Idle State G.8032 Ring States G.8032 Protection State G.8032 Recovery Phase G.8032 Ring Configuration Example Verifying G.8032 Transport G.8032 Ring Provisioning Simulation