

Course Description

Learn the essential skills and procedures you need to deploy GPON services using the Calix C7 Multiservice Access Platform. In this self-paced course, you will learn how to provision data and voice services for GPON subscribers.

Objectives

- Configure multiprotocol and EXA Ethernet uplinks for C7 GPON service
- Create, add, and assign GPON ONTs to a C7 system
- Configure ONT data service
- Configure ONT voice service

Who should attend?

- Technicians who manage, maintain, troubleshoot and configure the C7 Customer Support
- Technicians who configure GPON subscriber services

Prerequisite Training and Skills

- Completion of C7 Network Fundamentals training or equivalent experience
- Completion of the C7 Overview online course
- Knowledge of telecommunications and engineering standards
- Understanding of Ethernet networks including Layer 2 switching and VLANs

Delivery Mode

This online eLearning course consists of content delivered as video clips, simulations, demonstrations, and other self-paced formats. 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: 120 minutes

Lessons	Topics
01 GPON Overview	C7 GPON Hardware Configuration overview
02 Configuring C7 Ethernet Links	C7 Ethernet Overview EXA Ethernet Links
03 Create ONTs	PON Settings Creating ONTs Remote Activation Adding ONTs Unassigned ONTs ONT Power Shedding
04 Configuring ONT Data Service	GPON Data Configuration Process VLAN Per Service – Virtual Bridge VLAN Per Service – Ethernet Gateway to ERPS Building Subscriber Data Templates VLAN-IF Templates Multiprotocol Profiles and Templates for GPON EXA Profiles and Templates for GPON
05 Provisioning ONT Voice Services	GR-303 Voice Service SIP Voce Service
06 Troubleshooting GPON Services	Troubleshooting GPON Services Single ONT Will Not Range Multiple ONTs Will Not Range