



Calix C7 Hands-On Fundamentals: Voice/Data, Turn-up, and Maintenance (2 days)

This two-day course takes you through the Calix C7 provisioning for turning up basic networks, transport services, and deploying telephony and data services over copper and fiber facilities.

This class includes instructor led lectures, discussions, demonstrations, and hands-on labs using Calix equipment. The class also provides plenty of time to get your questions answered by an experienced Calix system engineer. Note: Calix provides computers for use by participants during this class. No laptop is required.

Who should attend

- Technicians who perform installation, provisioning, operations, and maintenance with the Calix C7 utilizing Calix Management System (CMS).

Prerequisites

- Completion of C7 Overview online class or equivalent knowledge
- Knowledge of telecommunications and engineering standards

Reference tools & learning aids

During the class, you'll follow along with the lectures, demonstrations, and lab exercises using a Reference Guide. After class, use the Reference Guide to review class content and view procedures. You will also receive a CD that contains:

- Calix documentation suite – both HTML and PDF formats – for immediate access to provisioning procedures and other reference information
- Software simulations used during the class – for refreshing your skills
- Interactive assessment for the class – to test your recall and reinforce your learning

Topics

Calix C7 overview

- Introduction to deploying the Calix C7 – the three levels of a Calix C7 network, C7 management software, configuring a network/node/shelf, and general provisioning tips

Network Turn-Up

- Starting CMS and iMS, logging in, defining network nodes
- Overview and troubleshooting of Optical Transport
- Configuring T1 transport

Register online at:

http://www.calix.com/portal/courses/classroom_training.jsp

Deploying GR-303 services

- Overview of GR-303 equipment and applications
- Configuring GR-303 interface groups and DS0 service for subscribers
- Troubleshooting GR-303 problems

Configuring Uplinks

- Configuring Ethernet and ATM uplinks

Deploying ADSL/ADSL2 services

- Overview of ADSL configuration ground rules and Calix DSL equipment
- Creating ADSL profiles and templates
- Configuring ADSL services
- Troubleshooting ADSL problems

Deploying FTTP services

- FTTP overview of terminology and equipment
- Adding ONTs
- Creating FTTP profiles and templates
- Configuring FTTP subscribers
- Troubleshooting FTTP voice and data services for subscribers

Provisioning Special Service Circuits

- Configuring Hi-Cap and other DS1 services
- Configuring Universal and DDS services

Additional topics

- Backing up and restoring system data
- Adding shelves to your network
- Calix Upgrade Program (CUP)
- Replacing RAP cards
- Using Calix Technical Support, and returning defective equipment
- Using the Calix Resource Center to continue your learning and locate reference information

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