

SDX 6000 OLT (RSP)

3 days *virtual or classroom* training



Our SDX 6000 Series of software-defined optical line terminals (OLTs) consist of open and disaggregated access devices that support a broad range of PON standards, including 10G Combo PON, XGS-PON, GPON, and 10G-EPON. These devices are built using modern design principles and apply lessons learned from data center networks. This approach is an architectural shift from previous networks that have historically relied on closed, monolithic systems managed by vendor-specific management systems. This evolution enables operators to vastly lower their costs to build, operate, innovate, and grow their networks.

Objective

This course is designed for those students who will be designing, implementing, and supporting solutions using the SDX 6000 Series of enterprise-class, fully managed Optical Line Terminals (OLTs). This course will include interactive lectures as well as lab exercises presented through our virtual lab environment. Integrated lab exercises are designed to reinforce the class content with installation, configuration, and troubleshooting procedures. After completion of the course, the student should be able to install and maintain the Adtran SDX 6000. To enroll, go to www.adtranuniversity.com.

Benefits & Audience

- Benefits: To achieve self-sufficiency at installation, configuration and maintenance of the SDX 6000 OLT solution
- Certificate of Attendance
- Class size: 12 students maximum
- Target Audience: End Users, System Engineers, Network Engineers, Value Added Resellers and Distributors

Prerequisites

SDX 6000 Overview (Self-paced)– students can self-enroll at www.adtranuniversity.com

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Agenda

Theory/Lecture

- SDX OLT Overview / Management Provisioning (CLI)
 - SDX 6xxx OLTs
 - SDX 6xx ONTs
 - CLI Intro
 - Console Login
 - Management Provisioning
 - Useful CLI Commands
- Pre-Onboarding
 - Overview –The Network Structure
 - Onboarding Prerequisites
 - Enabling Tree View
 - NTP Profile
 - Generic Bundle + Content Provider
 - Rooted Device/Root Interface
 - Credentials
 - Upgrade Guide
 - Fileserver
 - OLT – Onboarding to Upgrade
 - ONU Auto Upgrade
 - Upgrade Information
 - Prelude to Mosaic CP Jobs
 - Upgrade Workflow
 - OLT Upgrade Jobs
 - Download Job
 - Commit Job
 - Deleting the OLT
 - An Overview of Other Job Types
 - Port Toggle Test
 - Ethernet Loopback Test
 - Backup Configuration
 - Restore Configuration
 - OLT Replacement Walkthrough
- Onboarding
 - Onboarding the SDX OLT
 - Using a Profile Vector
 - Using Device Onboarding
 - Creating the Uplink Interfaces
 - OLT Profile Vector Auto-Activation Process
 - Group and Conditional Profiles
 - Bundle Builder Profile
 - Interface Builder Profile
 - xPON Interfaces
 - ONU Auto-Activation
 - ONU Customer interface Builder
 - FEC
 - ONU Activation Phases
 - Post-Onboard Checks
- Services
 - Service Types
 - Data Service by Orchestrate View
 - Data Services by Tree View
 - VLAN Tags (S-tag, C-tag, CE-VLAN)
 - EVCs
 - GEM Ports
 - Service Summary
 - Service Provisioning Checks
 - ONU Interfaces
 - EVC and EVC-Maps
 - T-CONT and Bandwidth
 - Subscriber Profiles
 - HQoS
 - Vido Service
 - Voice Service

Practice/Labs

- Management Provisioning
- Pre-Onboarding Prep
- Onboarding
- Service Deploy and Checks

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Contact

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Ordering Information

Part Number

1600CSYS6025E

1600CSYS6025C

Description

Per Enrollment (Student)

Per Dedicated course