



XTran for Network Engineers – Advanced Functionality – Course Description

This course is the former 'XTran for Service Engineers - Advanced FUNC', now offered under a new name.

Target Audience

XTran **Network Engineers** seeking in-depth knowledge for configuring and troubleshooting advanced OAM features in XTran networks..

Course Prerequisites

"XTran for Network Engineers" course certificate

Course Objectives

By the end of this training, participants will be able to:

- Use TXCare to set up tunnels and services for specific legacy applications, including Serial, Analog Telephony, and SDH/SONET signals, as well as configure synchronization options such as SyncE and PTP.
- Explain and configure advanced DCN options
- Explore the available TXCare add-ons and configure one of them: the SNMP Northbound interface.
- Set up redundant management for the XTran network
- Configure and utilize features such as Large Network Monitor (LNM) and Reporting

Exercises

Hands-on training is included.

Duration

2 days

Content

Legacy

- Install, replace, configure applications, and (re)connect peripheral equipment on the 7-SERIAL or 6-SERIAL modules.

Telephony

- Install, replace, and configure the 8-FXS module in "SIP-Server" mode (other options will be discussed).

SDH/SONET

- Explore transport options for SDH/SONET frames over XTran, including grooming of E1/T1 channels. Learn how to configure this via smartSFP transceivers.

Synchronization over XTran

- Explain and configure different synchronization options, including SyncE and PTP IEEE 1588.

XTran Management

- Explore advanced DCN configuration options.
- Discuss and configure redundant TXCare.
- Train on Large Network Monitor (LNM) and Reporting features.
- Learn how to configure the SNMP Northbound interface add-on to convey specific XTran network information to an umbrella management system via SNMP.

