

1FINITY L-Series Turn-Up and Maintenance

Duration

- Instructor Led: 2 days
- Online: 3 hours

Course Contents

The L-Series (L100, L110, and L200) Turn-up and Maintenance course describes specific hardware, turn-up provisioning, PMs, and basic maintenance activities.

Who Should Attend

The L-Series (L100, L110, and L200) Turn-up and Maintenance course is designed for those seeking information about the turn-up and maintenance of the network elements using the CLI (Command Line Interface). The course shows examples of the CLI commands used to turn-up a typical node in a typical network using step-by-step turn-up procedures. Basic scheduled and unscheduled maintenance is also addressed to show how to access and analyze PMs (Performance Measurements) and alarms.

Course Outline

- System Description
 - o L-Series applications
 - o L-Series ILA
 - o L100/L200 management interfaces
 - L100 management-stand-alone
 - L100 management-daisy chained
 - L100 management-C200
 - o L100 OSC interfaces
 - o L200 OSC interfaces
 - o 1x9 WSS ROB
 - o Optical MUX Base Blade
 - o 4x16 Coupler Splitter
 - o L200 ILA
 - o FAN Units
 - o L100/110 Power Terminal Adapter
 - o L200 power
 - o L-Series configuration used in course
- Installation
 - o Adjust mounting brackets
 - o Install mounting brackets in rack

- o Install blade in rack
- o Verify bracket spacing
- o Install power terminal adapter
- o Secure blade to rack
- o Connect power cables on L100/110
- o Connect power cables on L200
- o Install safety ground
- o Install Fan Units
- o Install PIUs and optics
- Turn-up Using CLI
 - o CLI fundamentals
 - o Terminal Emulator
 - o Logging on
 - o Enter Configuration mode
 - o Show provisioned users
 - o Provision a user
 - o Delete a user
 - o Set TIDNUM
 - o Set system name
 - o Provision NTP servers
 - o Show license status
 - o Enable temporary licenses
 - o Define pluggable for LCN1
 - o Provision LCN's Ethernet parameters
 - o Define LCN1 IP address/subnet mask
 - o Provision LCN's static route
 - o Disable DHCP mode
 - o Verify shelf role for L100
 - o Verify shelf role for L110
 - o Set shelf role for L110
 - o Provision E1 port on BDL1-3R11 blade
 - o Provision C1 port on BDL1-3R11 blade
 - o Provision LogicalPort on BDL1-3R11 blade
 - o Provision SFP for OSC port
 - o Provision SFP for E-SC-E1 port
 - o Provision E-SC-E1 Ethernet interface
 - o Enable the PIL1-3PS2 Blade in shelf 2
 - o Provision E1 port on PIL1-3PS2 blade
 - o Provision C1 port on PIL1-3PS2 blade
 - o Connect C1 port on L100 to E1 port on L110
 - o Verify port connections
 - o Provision Optical Transport System for L100 E1 port

- o Provision Optical Multiplex System for L100 E1 port
- o Verify OTS
- o Verify OMS
- o Provision OCH for L100's E1 port
- o Provision OCH for L110's C1 port
- o Cross-connect C1 port on shelf 1 and E1 port on shelf 2
- o Provision L200 OTS; degree 1
- o Provision L200 OMS; degree 1
- o Provision L200 OTS; degree 2
- o Provision L200 OMS; degree 2
- o Provision SFP for OSC1 port on L200
- o Provision SFP for SC-E1 port on L200
- o Provision SC-E1 Ethernet interface on L200
- o Provision SFP for OSC2 port on L200
- o Provision SC-E2 Ethernet interface on L200
- o Provision SFP for SC-E2 port on L200
- Performance Measurements
 - o PM bins
 - o Init PMs
 - o Equipment PMs
 - o Interface PMs
- Maintenance
 - o L100 1x9 WSS ROB LEDs
 - o L110 Optical Mux Base Blade LEDs
 - o L110 4x16 Splitter/Coupler LEDs
 - o L200 ILA LEDs
 - o Alarms Summary
 - o Show Alarm List
 - o Creating Backups:
 - FTP Server
 - Create a backup file
 - Upload backup to FTP Server
 - Successful Transfer
- Restore a database:
 - Download restore file
 - Restore the database
 - Set the Rollback Timer
 - Cancel the Rollback Timer