OPT201 (CISCO NCS 2000 DEPLOYING 96-CHANNEL FLEX SPECTRUM) 3.0

Objetivo

After taking this course, you should be able to: Describe the hardware and components required and used with the Flex Spectrum feature Design optical networks in the Cisco Transport Planner software Install the hardware, including multishelf nodes Perform node turn-up and create circuits using the Cisco Transport Controller software Configure optical networks with multidegree ROADM multishelf nodes Configure optical networks with colorless, contentionless, omnidirectional, and MPO cross-connect advanced features Describe and configure the NCS 2000 400-Gbps Xponder line card Add a node to an existing DWDM ring Describe the NCS 2000 Troubleshooting Guide Use the features and documentation with Transport Controller to perform maintenance, testing, and basic troubleshooting

PÃºblico Alvo

This course is designed for technical professionals who need to know how to deploy a Cisco NCS 2000 Series Dense Wavelength-Division Multiplexing (DWDM) network with Flex Spectrum. The primary audience for this course includes: Designers Systems engineers and implementation staff Network operations center personnel Technical support personnel who are involved with the deployment, operations, and maintenance of the Cisco NCS 2000 Series Channel partners and resellers

PrÃ©-Requisitos

Prerequisites To fully benefit from this course, you should first complete the Cisco Fundamentals of Fiber Optics Technology (FFOT) video training course, or have an equivalent level of knowledge and skills.

Carga HorÃiria

24 horas (3 dias).

ConteÃºdo ProgramÃitico

Outline
DWDM and Flex Spectrum Foundation
NCS 2000 Chassis and Cards
Design ROADM Networks with CTP
Hardware Installation and Multishelf
Node Turn-Up and Circuit Creation
Advanced Feature Networks and Circuits
Testing, Maintenance, and Basic Troubleshooting
Spectrum Switched Optical Network

Lab outline
Cisco Transport Controller
Cisco Transport Planner
Adding a Node to Existing DWDM Ring Network
Optical Channel Network Connection (OCHNC) Circuits
Optical Channel Client Connection (OCHCC) Circuits
Colorless Ports and Circuits
Contentionless Circuits
Connection Verification
Performing the Optical Time Domain Reflectometer (OTDR) Test
Maintenance and Performance Monitoring
MSTP Troubleshooting
Configuring the 400XP card