OPT200 (CISCO OPTICAL TECHNOLOGY INTERMEDIATE) 3.0

Objetivo

After taking this course, you should be able to: â□¢ Describe Cisco DWDM platform basics â□¢ Describe DWDM network topologies â□¢ Describe the management software used for managing Cisco DWDM networks â□¢ List the different hardware components of the Cisco ONS and Cisco NCS DWDM systems â□¢ Provision nodes and circuits in a Cisco DWDM network â□¢ Perform node and multishelf configurations â□¢ Implement SMR-based rings â□¢ Provision optical circuit protection mechanisms â□¢ Configure Any Rate cards â□¢ Describe the function of Raman amplifiers â□¢ Perform basic maintenance and troubleshooting of a Cisco DWDM network

PÃºblico Alvo

This course is intended for: â□¢ System engineers â□¢ Technical support personnel â□¢ Channel partners and resellers

PrÃ©-Requisitos

Before taking this course, you should have: â□¢ Basic knowledge of optical transport and protocols â□¢ Familiarity with data networking principles This Cisco recommended course may help you meet these prerequisites: â□¢ Understanding Cisco Service Provider Network Fundamentals (SPFNDU)

Carga HorÃ¡ria

32 horas (4 dias).

ConteÃºdo ProgramÃ¡tico

Outline

- DWDM Optical Platform Foundation
- Chassis and Cards
- Hardware Installation
- Node Turn-Up and Circuit Creation
- Node and Multishelf Configurations
- SMR-Based Rings
- 10Gb Circuit Protection
- Any Rate Card Configuration
- Raman Amplifiers
- Maintenance and Basic Troubleshooting

Lab outline
• System Setup and Login
• Node Turn-Up
• Creating Direct Circuits (Optical Channel Network Connection [OCHNC])
• Creating Transponder Optical Client Circuits (Optical Channel Client Connection [OCHCC])
• Configuring an Amplified SMR Ring with Direct Circuits
• Installing 10Gb Transponder Cards with Y-Cable Protection
• Configuring Protection Switch Module (PSM) and Optical Transport Unit-2 (OTU-2) 10Gb Protection
• Configuring Any Rate Cards
• Configuring a Linear Topology with Raman Amplifiers
• Maintenance and Performance Monitoring
• MSTP Troubleshooting