

## **Configuring and Operating Cisco EPN Manager (EPNM100)**

*Duration- 4 days (32 hours)*

### **Course Content:**

#### **Course Outline-**

- Exploring Cisco EPN Manager
  - Cisco EPN Manager Overview
  - Cisco EPN Manager Key Features
- Viewing Devices and Inventory
  - Device Types
  - View Devices
- Viewing Network Topologies and Circuits
  - Topology Map Basics
  - Change Information Displayed
- Using Dashboards
  - Dashboards Overview
  - Customize Dashboards
- Managing Alarms and Events
  - Alarms and Events Overview
  - View Alarms and Events
- Generating Reports
  - Report Fundamentals
  - Create and Schedule Reports
- Performing Basic Administration
  - Installation Basics
  - Perform Server Setup
- Adding Devices
  - Device Management Fundamentals
  - Add a Device Manually
  - Add User-Defined Fields

- Backup and Restoring
  - Backup Fundamentals
  - Schedule a Backup
- Performing System Maintenance
  - Software Updates
  - Data Retention and Purging
- Software Image Management (SWIM)
  - Software Image Management Fundamentals
  - Setting Up Software Image Management
- Configuration Management
  - Configuration Management Fundamentals
  - Archive Setup
- Configuring QoS
  - QoS Basics
  - Create a Classification Profile
- Configuring Devices with Templates
  - Device Configuration Methods
  - Template Basics
- Performing Compliance Management
  - Compliance Audit Basics
  - Compliance Policy Basics
- Monitoring with Policies
  - Monitoring Policy Fundamentals
  - Edit a Monitoring Policy
- Circuit and Video Conferencing (VC) Fundamentals
  - Circuit Provisioning Basics
  - Supported Service Types
- Provisioning Carrier Ethernet Services
  - Provision a Carrier Ethernet Service
  - Verify a Service

- Provisioning Cisco MPLS Traffic Engineering Services
  - Cisco MPLS TE Service Basics
  - Provision a Cisco MPLS TE Service
- Provisioning Circuit Emulation Services
  - Circuit Emulation Services Basics
  - Provision a CEM Service
- Provisioning an OCHNC Circuit
  - OCHNC Circuit Basics
  - Set Up Devices for Circuit
- Provisioning an Optical OCHCC Circuit
  - OCHCC Circuit Basics
  - Set Up Devices for Circuit
- Provisioning a Media Channel Group with an OCHCC Circuit
  - Media Channel Group with OCHCC Basics
  - Provision a Media Channel Group
- Introducing Cisco EPN Manager with Cisco NSO
  - Cisco EPN Manager with Cisco NSO Basics
  - For More Information

#### **Lab outline**

- Access and Navigation
- View Devices and Device Details
- View Maps, Topologies, and Circuits
- View and Customize Dashboards
- Manage Alarms and Events
- Generate Reports
- Basic Administration
- Add Devices to the Inventory
- Backups

- Basic Maintenance
- Software Image Management
- Configuration Management
- Configure QoS
- Configure Devices with Templates
- Compliance Management
- Monitor with Policies
- Provision a Carrier Ethernet Service
- Provision and MPLS Traffic Engineering Service
- Provision a Circuit Emulation Service
- Set Up, Provision, and Monitor an OCHNC Circuit
- Set Up, Provision, and Monitor a Media Channel with OCHCC