



Managing LAN Networks with Cisco Nexus Dashboard

- 5 Day Course
- Lecture and Hands-On Labs

Course Overview

This 5-day class on Nexus Dashboard covers data center and campus operations with VXLAN and EVPN, then dives into Nexus Dashboard Fabric Controller (NDFC) to deploy and manage VXLAN and EVPN.

Who Should Attend

















- Systems Architects
- Systems Engineers
- Systems Administrators
- Technical Decision Makers
- Channel Partners








What You'll Learn

- Understand, configure and troubleshoot VXLAN with EVPN
- Understand, Articulate, and Operationalize Nexus Dashboard Use Cases and Benefits
- Operate and Configure Nexus Dashboard
- Install and Operate Nexus Dashboard Apps
- Configure Nexus Fabric Controller
- Explore Fabric Telemetry with Nexus Insights
- Explore Nexus Dashboard APIs

Outline

Software Control Management

-  Lecture + Lab: SCM Option #1 - GitHub
-  Lecture + Lab: SCM Option #2 - GitLab
-  Lecture + Lab: Access the NterOne Lab Devices
-  Lecture + Lab: Explore and Test the Nexus and Catalyst Lab Topology
-  Lecture + Lab: Configure NX-OS VXLAN with Multicast Control Plane Using CLI
-  Lecture + Lab: Configure EVPN BGP with Unicast Forwarding
-  Lecture + Lab: Configure EVPN BGP with Multicast Routing
-  Lecture + Lab: Configure EVPN BGP with Route Reflectors
-  Lecture + Lab: Configuring VXLAN Routing
-  Lecture + Lab: Adding an External Router
-  Lecture + Lab: Troubleshoot VXLAN with EVPN and BGP in the CLI
-  Lecture + Lab: Nexus Dashboard Admin Console
-  Lecture + Lab: Introduction to Nexus Dashboard Fabric Controller (NDFC)
-  Lecture + Lab: NDFC Bootstrap New NX-OS Data Center Fabric
-  Lecture + Lab: Nexus Dashboard Fabric Controller Templates
-  Lecture + Lab: Nexus Dashboard External Fabric with IOS XE

-  Lecture + Lab: NDFC Multi-Site Configuration with Multisite Domain (MSD) Template
-  Lecture + Lab: Managing and Monitoring the Network Using NDFC
-  Lecture + Lab: Nexus Dashboard Role-Based Access Control (RBAC)
-  Lecture + Lab: Nexus Dashboard and NDFC RESTful API
-  Lecture + Lab: Python Programming to Nexus Dashboard and NDFC
-  Lecture + Lab: Nexus Dashboard Fabric Controller Challenge Configuration
-  Lecture + Lab: Troubleshooting with VXLAN with EVPN and BGP

Prerequisites

- Familiarity with Cisco Ethernet switching products
- Understanding of routing protocols
- Understanding of Cisco Data Center architecture

Next Courses

- Administering Cisco Data Center Unified Computing System with Intersight v6.0
- Implementing and Administering DNA Center for Assurance v2.0
- Administering Cisco UCS X-Series Solutions with Intersight
- Configuring Cisco Catalyst 9800 and Intro to Wi-Fi 6 v2.0
- Cisco SD-WAN Operations, Troubleshooting, and Best Practices