



## 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