

Managing LAN Networks with Cisco Nexus Dashboard - MNDFC

Price: 4495

Duration: 5 days

Delivery Methods: Virtual

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.

Prerequisites:

The knowledge and skills the learner should have before attending this course is as follows:

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

Course Objectives:

Upon completing this course, the learner will be able to meet these overall objectives:

- 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

Who Should Attend

The primary audience for this course is as follows:

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

Course content

Module 1: VXLAN EVPN with MP-BGP

- Spine and Leaf Fabric
- VXLAN as an Overlay
- BGP, OSPF and IS-IS
- EVPN MP-BGP
- Multicast Control Plane
- BGP Control Plane
- Distributed IP Anycast-Gateway
- Forwarding with Dual-Homed Endpoint (vPC)
- Inter-Subnet Forwarding (Routing)
- Non-IP Forwarding (Bridging)
- Cisco VXLAN QoS Configuration
- Multitenancy
- External Fabrics
- Troubleshooting Commands

Module 2: Nexus Dashboard Overview

- Introduction to Cisco Nexus Dashboard
- Introduction to Nexus Dashboard Architecture
- Nexus Dashboard Federation/SPOG
- Nexus Dashboard Installation, Configuration, and Deployment
- Cisco Nexus Dashboard Orchestrator

Module 3: Nexus Dashboard Fabric Controller (NDFC)

- Introduction to NDFC
- DCNM Migration to Nexus Dashboard
- Cisco NDFC LAN Solution Overview

Module 4: Discovering Existing Network Devices with Cisco NDFC

- Configure Switches for Discovery

Module 5: Nexus Dashboard for Multi-Site

- NDFC Multi-Site Architecture
- NDFC VRF Management

Module 6: Managing and Monitoring the Data Center with Cisco NDFC

- Access Topology View
- Navigate the Map Views and Layout
- Deploy Changes to the Fabric

Module 7: Nexus Dashboard Fabric Controller Templates

- NDFC Templates
- Configuration Changes with Templates

Module 8: Nexus Dashboard Insights

- Introduction to Nexus Dashboard Insights
- GUI Overview
- Insight Explorer
- Connectivity Analysis Tool for NX-OS Based Fabrics
- Insight Resource Browser/Bug Advisory
- Flow Telemetry
- Delta Analysis
- Firmware Update Analysis
- Licensing

Module 9: Nexus Dashboard Integrations

- Nexus Dashboard API
- Splunk Integration
- AppDynamics (AppD) Integration

- ServiceNow Integration
- NDFC SAN

Module 10: Accessing Nexus Dashboard Programmatically

- RESTful API
- JSON
- REST API Tools
- Python Programming Fundamentals
- Python Programming with RESTful API to Nexus Dashboard

Module 11: Nexus Dashboard Troubleshooting

- NDFC Backup and Restore
- NDFC Alarms
- Fabric Troubleshooting Tools
- NDFC Command Execution

Course Schedule

Date	Time	Price	Options
05/18/2026	09:00 AM - 05:00 PM CT	4,495.00	Buy Now Enroll
06/22/2026	09:00 AM - 05:00 PM CT	4,495.00	Buy Now Enroll
07/20/2026	09:00 AM - 05:00 PM CT	4,495.00	Buy Now Enroll
08/24/2026	09:00 AM - 05:00 PM CT	4,495.00	Buy Now Enroll
09/28/2026	09:00 AM - 05:00 PM CT	4,495.00	Buy Now Enroll
10/26/2026	09:00 AM - 05:00 PM CT	4,495.00	Buy Now Enroll
11/16/2026	09:00 AM - 05:00 PM CT	4,495.00	Buy Now Enroll

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FAQ

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What happens when I finish my class?

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