



CISCO TRAINING

# Managing LAN Networks with Cisco Nexus Dashboard

*Master Cisco Nexus Dashboard to efficiently manage and automate your LAN networks. Learn advanced strategies for operational excellence.*

DURATION

**2 hours**

LEVEL

**Intermediate**

FORMAT

**Instructor-Led**

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | [www.computer-pride.co.ke](http://www.computer-pride.co.ke)

## COURSE OVERVIEW

This intermediate-level course, "Managing LAN Networks with Cisco Nexus Dashboard," is meticulously designed to equip network professionals with the essential skills to efficiently operate, automate, and manage modern Local Area Networks (LANs) leveraging Cisco's cutting-edge Nexus Dashboard platform. You will gain a deep understanding of how to unify network operations, enhance visibility, and streamline the management of your data center and campus LAN infrastructure. The course delves into the core technologies underpinning the Nexus Dashboard, including its integration capabilities with various Cisco networking solutions like Cisco Application Centric Infrastructure (ACI) and Nexus Dashboard Fabric Controller (NDFC), ensuring a comprehensive learning experience focused on operational excellence. This course is ideal for network engineers and administrators seeking to modernize their network management practices and embrace intelligent, intent-based networking principles.

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|----------|--------------|
| Duration | 2 hours      |
| Level    | Intermediate |
| Vendor   | Cisco        |

## COURSE CURRICULUM

### 01 Module 1: Introduction to Cisco Nexus Dashboard

- Overview of Cisco Nexus Dashboard architecture and components
- Understanding the role of Nexus Dashboard in modern data center and campus networks
- Key capabilities: Operations, Insights, and Orchestration
- Introduction to Network-as-a-Service (NaaS) principles

### 02 Module 2: Deploying and Configuring Nexus Dashboard

- Deployment options for Nexus Dashboard (physical and virtual appliances)
- Initial setup and cluster configuration
- Managing user access and roles
- Integrating with existing Cisco infrastructure and services

### 03 Module 3: LAN Network Management with Nexus Dashboard Fabric Controller (NDFC)

- Overview of Nexus Dashboard Fabric Controller (NDFC) – formerly DCNM
- Onboarding and managing Cisco Nexus switches and fabrics
- Fabric discovery and inventory management
- Implementing network policies and profiles for LAN segments

### 04 Module 4: Network Automation and Troubleshooting Features

- Utilizing Nexus Dashboard for automated network operations
- Leveraging Nexus Dashboard Insights for real-time telemetry and analytics
- Proactive monitoring and health checks for LAN devices
- Troubleshooting common LAN issues using Nexus Dashboard tools

### 05 Module 5: Advanced Topics and Best Practices

- Integrating Nexus Dashboard with third-party tools and APIs
- Security considerations for Nexus Dashboard deployments
- High availability and disaster recovery strategies
- Performance optimization and scaling considerations for large LAN environments

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Cisco Data Center Network Administrator**
- > **Network Automation Engineer**
- > **Enterprise LAN Network Operations Specialist**

## FREQUENTLY ASKED QUESTIONS

**Q: What specific skills will I gain from this course that are directly applicable to managing modern data center LANs using Cisco Nexus?**

This course will provide you with practical skills in deploying and configuring Cisco Nexus Dashboard, onboarding and managing Cisco Nexus switches via Nexus Dashboard Fabric Controller (NDFC), implementing network policies, and leveraging advanced analytics for troubleshooting. You'll learn to unify operations, automate tasks, and gain deeper visibility into your LAN infrastructure, making you proficient in modern, intent-based data center network management.

**Q: What are the recommended prerequisites for someone looking to take the 'Managing LAN Networks with Cisco Nexus Dashboard' course?**

While this is an intermediate-level course, a foundational understanding of networking concepts, including TCP/IP, routing, and switching, is highly recommended. Familiarity with Cisco IOS-XE and NX-OS operating systems, along with basic experience in data center networking or Cisco ACI concepts, would be beneficial but is not strictly mandatory as key Nexus Dashboard functionalities will be covered.

**Q: How does learning Cisco Nexus Dashboard specifically enhance my ability to troubleshoot and optimize large-scale LAN environments?**

Cisco Nexus Dashboard consolidates operational insights and provides advanced analytics, allowing you to quickly identify anomalies, predict potential issues, and pinpoint root causes across your large-scale LAN. You'll learn to use its telemetry data and visualization tools to proactively monitor network health, optimize resource utilization, and rapidly resolve complex problems, significantly reducing downtime and improving overall network performance.

## ABOUT COMPUTER PRIDE



**East Africa's Premier IT Training Center**

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

**15+**

Years of Excellence

**10,000+**

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## READY TO ENROL?

Take the next step in your technology career.

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