

CISCO NDFC TEST DRIVE

Service Overview:

At Netnology, we specialize in Cisco Nexus Dashboard Fabric Controller (NDFC) services to expedite the adoption of the solutions. The test-drive offer will help customers develop a baseline understanding of Cisco NDFC and its value proposition.

This 2–4-hour session will demonstrate the working of Cisco NDFC and much more. It will also highlight the ease of configuration and manageability of this integrated solution.

This test-drive is built and delivered by subject matter experts (SMEs) who have extensive experience working with Data Center Solution.

Solution Overview:

Cisco Nexus Dashboard Fabric Controller (NDFC) for LAN delivers a modern, centralized platform for managing, automating, and monitoring Cisco Nexus VXLAN EVPN data center fabrics. Designed to support today's cloud-native applications, AI workloads, and modern enterprise data centers, it simplifies network operations through intent-based automation, centralized lifecycle management, and comprehensive fabric visibility.

By combining the high-performance capabilities of Cisco Nexus 9000 Series switches with the centralized management and automation features of Cisco Nexus Dashboard Fabric Controller, organizations gain end-to-end visibility into both the underlay and overlay network infrastructure. Unlike traditional device-by-device management, NDFC provides policy-driven provisioning, automated fabric deployment, real-time health monitoring, configuration compliance, and simplified Day-2 operations from a single interface. The result is a scalable, resilient, and automated data center network that reduces operational complexity, accelerates deployment, simplifies troubleshooting, and enhances overall network reliability.

Service Benefits:

Netnology has a team of world-class engineers specializing in Cisco Data Center Networking and Cisco Nexus Dashboard Fabric Controller (NDFC) solutions who are committed to customer success. Netnology will partner with you to provide guidance on:

- **Centralized Fabric Management:** Experience simplified administration through a single management platform that streamlines VXLAN EVPN fabric provisioning, policy-based configuration, inventory management, and lifecycle operations across Cisco Nexus data center environments.
- **Intent-Based Fabric Automation:** Accelerate data center deployment by automating the provisioning of fabrics, switches, VRFs, VLANs, VNIs, interfaces, and network policies while ensuring consistent and standardized configurations.
- **Comprehensive Fabric Visibility and Operations:** Gain end-to-end visibility into the health of the underlay and overlay network with real-time topology, inventory, events, alarms, and operational dashboards that simplify monitoring and troubleshooting.
- **Simplified Day-2 Network Operations:** Improve operational efficiency through configuration compliance, policy-driven changes, software image management, backup and restore, and automated lifecycle management, reducing manual effort and minimizing operational risk.

Scope of Services:

As part of the 2–4-hour Test Drive engagement, Netnology will provide the following services:

- Solution Overview
- Solution Value Proposition
- Solution Use-case Demo
 - Fabric Visibility and Inventory Management
 - Explore VXLAN fabric topology and health dashboards.
 - Review switches, links, and inventory information.
 - Validate fabric configuration through CLI and NDFC.
 - Demonstrate centralized data center fabric management.
 - VXLAN Fabric Provisioning and Automation
 - Demonstrate automated VXLAN EVPN fabric deployment.
 - Create and provision Networks (VLANs), VRFs, and VNIs.
 - Configure interfaces and attach endpoints using NDFC.
 - Validate intent-based provisioning and configuration consistency.
 - Fabric Operations and Troubleshooting
 - Monitor fabric health, events, and alarms.
 - Verify VXLAN overlay and underlay operational status.
 - Demonstrate configuration compliance and drift detection.
 - Perform basic operational validation using NDFC dashboards and CLI.
 - Day-2 Operations and Lifecycle Management
 - Demonstrate policy-based configuration changes.
 - Perform software image and configuration management.
 - Execute backup and restore fabric configurations.
 - Review simplified Day-2 operations and lifecycle management.
- Lessons learned and enhancements

Target Audience:

This service is designed for candidates with little to no Cisco NDFC and VXLAN experience or prior knowledge.

Service Deliverables:

No.	Deliverable	Service Details
1.	Concepts	• Solution Overview • Environment Overview • Use-Case Overview
2.	Value-Prop	• Ease of configuration • Ease of manageability
3.	Execution	• Fabric Visibility and Inventory Management • VXLAN Fabric Provisioning and Automation • Fabric Operations and Troubleshooting • Day-2 Operations and Lifecycle Management
4.	Wrap-up	• Lessons Learned • Q&A