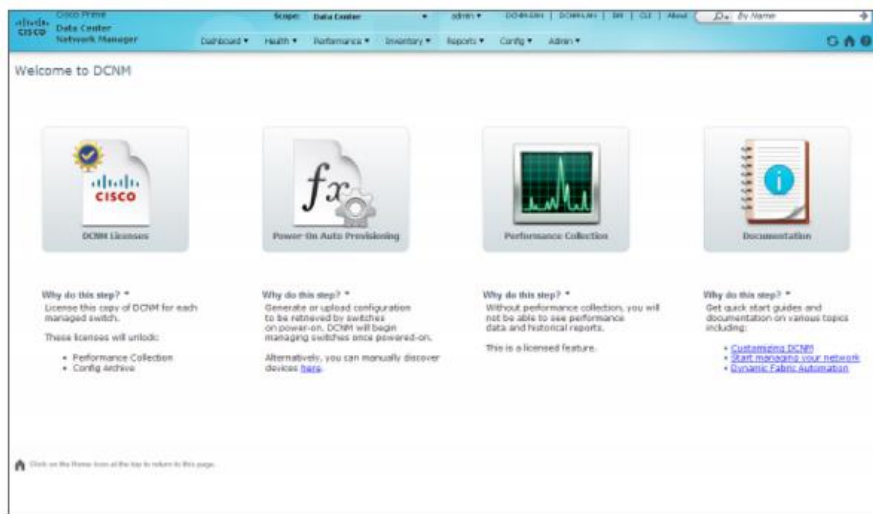


# Cisco Prime Data Center Network Manager Release 7.1

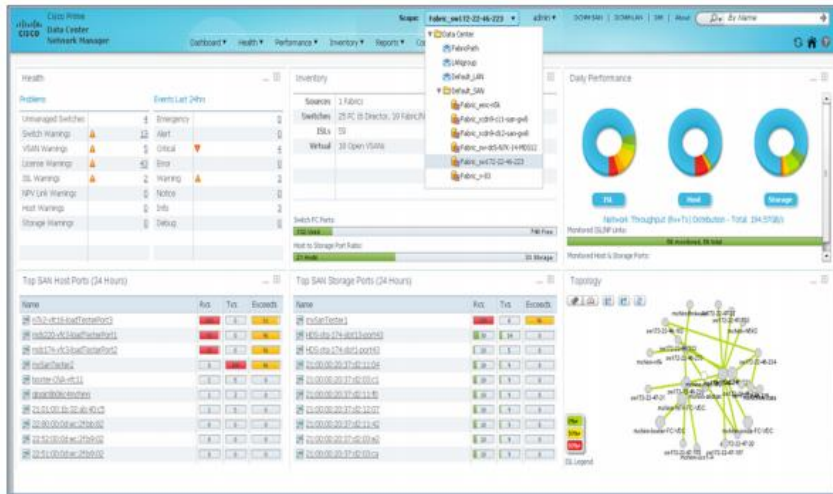
## Value

Cisco Prime Data Center Network Manager (DCNM) 7.1 (Figure 1) enhances Datacenter deployments by providing consolidated management for Cisco Nexus and MDS datacenter LAN and SAN switching deployments. Users gain visibility to Storage fabrics, LAN deployments and large-scale fabric deployments. Integrated capability helps the user quickly deploy, manage, monitor and expand their datacenter and cloud infrastructure. Comprehensive domain-sensitive dashboards (Figure 2) show fabric health and help identify trouble areas quickly.

**Figure 1.** Cisco Prime DCNM



**Figure 2.** Cisco Prime DCNM Dashboard



## Problems That Cisco Prime DCNM 7.1 Helps Solve

Today's datacenters have grown to enormous sizes and it is extremely difficult to gain datacenter level operations awareness using common CLI tools or generic instrumentation without intimate device knowledge. Cisco Prime DCNM 7.1 provides that operational awareness for Cisco NX-OS driven datacenters by simultaneously monitoring and managing Storage (SAN), LAN and large scalable fabrics.

Further, organizations today need to rapidly deploy, consistently configure devices and view large data center fabrics. This presents significant challenges for NMS and operations support system (OSS) tools.

In addition, many organizations need to synchronize physical network devices with multitenant cloud orchestration operations - a difficult process that may require significant investment in custom management solutions or operations. Cisco Prime DCNM 7.1 addresses these challenges with efficient Power-On Auto-Provisioning (POAP) support, tenant-oriented autoconfiguration, an enhanced visualization dashboard, and REST APIs.

Cisco Prime DCNM 7.1 also makes overlay topologies such as Virtual Extensible LAN (VXLAN) much easier to view because its topology view now includes VXLAN overlays, with search capabilities.

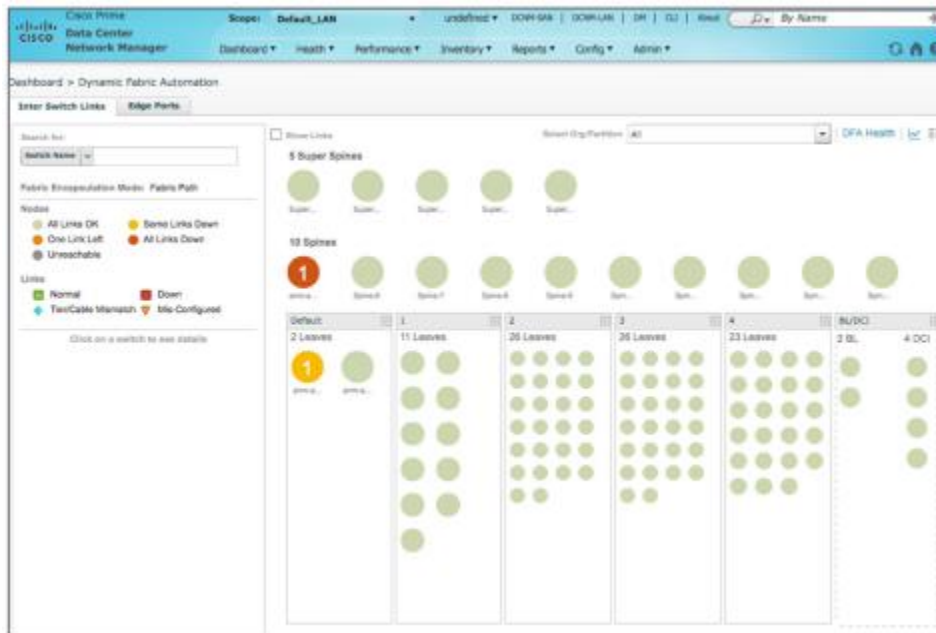
Storage slow-drain problems can be tedious to troubleshoot without assistance from the management system. Cisco Prime DCNM 7.1 includes advanced assistance that helps you identify and resolve slow-drain problems.

## Product Description

Cisco Prime™ Data Center Network Manager (DCNM) software is an advanced network management system (NMS) for storage (SAN), LAN, and scalable fabric management. Cisco Prime DCNM provides ready-to-use, large-scale, standardsbased, extensible management capabilities for large data center fabrics (Figure 2) including Cisco® Dynamic Fabric Automation (DFA). Cisco Prime DCNM 7.1 also includes SAN and LAN provisioning capabilities.

Cisco Prime DCNM 7.1 works in conjunction with Cisco Nexus® and Cisco MDS 9000 Family switches to help reduce labor and operating expenses (OpEx). Cisco Prime DCNM 7.1 integrates with external hypervisor solutions and third-party applications using a Representational State Transfer (REST) API.

**Figure 3.** Cisco Prime DCNM



## Targeted Users

Cisco Prime DCNM 7.1 is a general-purpose release for Cisco Nexus Family switches and Cisco MDS 9000 Family storage switches running Cisco NX-OS Software. Existing Cisco Prime DCNM users should consider migrating or upgrading to Cisco Prime DCNM 7.1. Such users include current SAN, LAN, and Cisco DFA users with Cisco Nexus or Cisco MDS Family switches. Customers who would like GUI management of Cisco Nexus 9000 Series Switches in standalone mode should also consider deploying Cisco Prime DCNM 7.1.

## Benefits

Cisco Prime DCNM 7.1 helps organizations monitor, provision, troubleshoot, and automate data center deployments for SAN, LAN, and multitenant automated fabrics. Advanced functions help operations teams monitor and troubleshoot problems from a consolidated viewpoint for LAN, SAN, and very large fabrics. Users gain operational awareness at a high level and can easily identify network conditions in real-time. Event handling helps users intelligently handle reported failures to resolve problems quickly. Preintegrated functions and innovative features help you deploy and expand your network quickly. Automation using REST and industry-standard SMI-S APIs help enhance operation capabilities.

## Why Cisco?

Cisco Prime DCNM 7.1 provides innovative and forward-looking capabilities alongside comprehensive SAN and LAN management features. Cisco Prime DCNM 7.1 provides integrated fabric management capabilities specifically to meet the demands of Cisco Nexus and MDS switches in large scalable datacenter fabrics.

## For More Information

For more information about Cisco Prime DCNM, visit <http://www.cisco.com/go/DCNM> or contact your local account representative.