

Overview

HPE StoreFabric Data Center Network Manager (DCNM)

HPE StoreFabric Data Center Network Manager (DCNM) is designed to help you efficiently implement, visualize, and manage C-series Fabrics. It includes a comprehensive feature set, along with a customizable dashboard that provides enhanced visibility and automated fabric provisioning of dynamic data centers. DCNM is the recommended management system for C-series. It helps customers provision, monitor, and troubleshoot data center network infrastructure. It provides visibility and control of the unified data center enabling service providers and IT departments to optimize for the quality of service (QoS) required to meet service-level agreements (SLAs) for internal and external customers.

DCNM increases overall data center infrastructure uptime and reliability, hence improving business continuity. Focused on supporting efficient operations and management of virtual machine-aware (VM-aware) fabrics, DCNM provides a robust framework and comprehensive feature set that meets the routing, switching, and storage administration needs of present and future virtualized data centers. DCNM streamlines the provisioning the unified fabric and proactively monitors the SAN and LAN components. Offering an exceptional level of visibility and control through a single management console, or "single pane of glass," for C-series product families.

Feature List

- **Event Management**
 - Provides real-time network health summary with detailed view of individual network components, enabling operations staff to respond quickly to events based on their severity
 - Ability to Acknowledge working on the alert and, when resolved, delete it
 - o Forward syslog alerts based on monitored facility
- **Web Templates**
 - Pre-built Templates for provisioning LAN and SAN components
 - Pre-built Template deployment scheduler and rollback mechanism
 - Customizable Templates with conditional statements
 - Create new templates using template editor
 - Import configuration script and turn it into Template
- **Dashboards**
 - Provides operational monitoring views of SAN, LAN and Server environments
 - Domain driven dashboards for host, storage and switch
 - Context driven searches launch within domain dashboards
- **Performance and Capacity**
 - Provides detailed visibility into real-time and historical performance statistics in the data center
 - Provides insight into port and bandwidth utilization, error count, traffic statistics, etc.
 - Includes scheduled custom reports that can be offloaded for post processing
- **Capacity Manager**
 - Track port utilization by port tier and predict when an individual tier pool will be consumed
 - Chart view of port consumption based on custom groupings
- **VMpath Analysis for LAN and SAN**
 - Provides view of virtual machine path through physical network to storage array and to the data store
 - Provides capability to view performance for every switch hop all the way to the individual VMware ESX server and virtual machine
- **Topology Views**
 - Displays real-time operationally focused topology of the data center infrastructure
 - Offers Layer 2 overlay topology maps to streamline the troubleshooting process and reduce the mean time to repair; roll the cursor over the topology to view detailed information about paths and switch attributes
- **Reports**
 - Let you build custom reports from predefined templates

Overview

- Provides easy-to-schedule reports that can be exported for post processing or sent by email
- **Automated Discovery**
 - Using automated network discovery, provides up-to-date physical and logical inventory information
 - Tracks inventory and performance information in real time; information can be used as a source of truth for asset tracking or as a data source for a configuration management database (CMDB)
- **Configuration and Change Management**
 - Provides pre-deployment validation of configuration changes, reducing opportunities for human error
 - Using historical configuration archive coupled with configuration comparison, enables you to identify the last-known good state if configuration problems occur
 - Provides capability to back up configuration files from all switches
- **Image Management**
 - Enables easy-to-perform, non-disruptive (In-Service Software Upgrade [ISSU]) mass deployment of Cisco NX-OS Software images, which can be scheduled or run on demand

Ordering Information

HPE StoreFabric Data Center Network Manager	HPE StoreFabric SN6000C Data Center Network Manager E-LTU	TC364AAE
	HPE StoreFabric SN6500C Data Center Network Manager E-LTU	TC365AAE
	HPE StoreFabric SN8000C Data Center Network Manager E-LTU	TC368AAE
	HPE StoreFabric SN8500C Data Center Network Manager E-LTU	TC470AAE

Applicable Switch Model	Description	HPE P/N
MDS9124, MDS9134, MDS9148, MDS 9148e, MDS9148S	HPE StoreFabric SN6000C Data Center Network Manager E-LTU <ul style="list-style-type: none"> • Please note that this license can be used for the HPE MDS 8/12c and 8/24c BladeSystem switches (MDS 9148e) 	TC364AAE
MDS9222i, MDS9250i	HPE StoreFabric SN6500C Data Center Network Manager E-LTU	TC365AAE
MDS9506, MDS9509, MDS9513	HPE StoreFabric SN8000C Data Center Network Manager E-LTU	TC368AAE
MDS9706, MDS9710	HPE StoreFabric SN8500C Data Center Network Manager E-LTU	TC470AAE

Customer Benefits

- Offers intuitive, large-scale fabric visualization along with domain views
- Provides cable plan validation and detection
- Features a centralized image and configuration repository
- Helps you resolve problems faster.

Overview

Software Prerequisites	Cisco Data Center Network Manager	Refer to Cisco Data Center Network Manager Release Notes http://www.cisco.com/en/US/products/ps5989/prod_release_notes_list.html
	Java Virtual Machine	Refer to Cisco Data Center Network Manager Release Notes http://www.cisco.com/en/US/products/ps9369/prod_release_notes_list.html
	Windows®	Refer to Cisco Data Center Network Manager Release Notes http://www.cisco.com/en/US/products/ps9369/prod_release_notes_list.html
	Red Hat Linux	Refer to Cisco Data Center Network Manager Release Notes http://www.cisco.com/en/US/products/ps9369/prod_release_notes_list.html

Hardware Prerequisites Refer to Cisco Data Center Network Manager Release Notes
http://www.cisco.com/en/US/products/ps9369/prod_release_notes_list.html

Software Licensing Data Center Network Manager is licensed per MDS 9000 series switch. DCNM licenses are hosted on the server and not the switch. All prior Cisco Fabric Manager licenses will be accepted for this model, and customers do not need to order or deploy any additional licenses to manage their existing Cisco MDS 9000 Family switches with Fabric Manager licenses.

For the latest support details for DCNM and NX-OS, refer to the HPE Single Point of Connectivity Knowledge (SPOCK) website at: <https://h20272.www.hpe.com/spock>. You must sign up for a Hewlett Packard Enterprise Passport to be granted access.

Software Warranty Hewlett Packard Enterprise warrants that the software media will be free of physical defects for a period of 90 days from delivery.

Service and Support

Service and Support Software Technical Support and Update Service

HPE StoreFabric Data Center Network Manager (DCNM) software products include one year of 9x5 HPE Software Technical Support and Update Service. This service is available 9 hours per day between 8:00 a.m. and 5:00 p.m. local time, Monday through Friday excluding HPE holidays. The service provides access to HPE technical resources for assistance in resolving software operations issues, and, also provides access to software updates and reference manuals in electronic form.

Protect your business beyond warranty, and included software support, with additional HPE Support Services

HPE Pointnext provides a comprehensive portfolio including Advisory and Transformational, Professional, and Operational Services to help accelerate your digital transformation. From the onset of your transformation journey, Advisory and Transformational Services focus on designing the transformation and creating a solution roadmap. Professional Services specializes in creative configurations with flawless and on-time implementation, and on-budget execution. Finally, operational services provides innovative new approaches like Flexible Capacity and Datacenter Care, to keep your business at peak performance. HPE is ready to bring together all the pieces of the puzzle for you, with an eye on the future, and make the complex simple.

HPE Foundation Care Support Service

HPE Foundation Care connects you to HPE 24 hours a day, seven days a week for assistance on resolving issues –This service includes available hardware response times of next business day, 4 hour response or 6 hour to repair, and, with answers to software questions within two hours. Simplify your support experience and make HPE your first call to help resolve hardware or software problems.

<http://www.hpe.com/services/foundationcare>

HPE Proactive Care Support Service

HPE Proactive Care gives customers an enhanced call experience. When your products are connected to HPE, Proactive Care helps prevent problems and maintains IT stability by utilizing personalized proactive reports with recommendations and advice. This service includes available hardware response times of next business day, 4 hour response or 6 hour to repair, and, with answers to software questions within two hours.

<http://www.hpe.com/services/proactivecare>

HPE Datacenter Care service

HPE Datacenter Care helps improve IT stability and security, increase the value of IT, and enable agility and innovation. It is a structured framework of repeatable, tested, and globally available services “building blocks.” You can deploy, operate, and evolve your datacenter wherever you are on your IT journey. With HPE Datacenter Care, you benefit from a personalized relationship with HPE via a single point of accountability for HPE and others’ products. For more information, visit

<http://www.hpe.com/services/datacentercare>

HPE Flexible Capacity, With Flexible Capacity, you get the speed, scalability, and economics of the public cloud in the privacy of your data center. Gain the advantages of the public cloud—consumption-based payment, rapid scalability without worrying about capacity constraints. Reduce the “heavy lifting” needed to

Service and Support

operate a data center. And retain the advantages that IT provides the business (i.e., control, security). Deliver the right user experience, choose the right technology for the business, manage privacy and compliance, and manage the cost of IT. And, you have the option to use the public cloud when needed.

Product is customer installable

HPE Support Center

The HPE Support Center is a personalized online support portal with access to information, tools and experts to support HPE business products. Submit support cases online, chat with HPE experts, access support resources or collaborate with peers.

Learn more <http://www.hpe.com/support/hpesc>

HPE's Support Center Mobile App* allows you to resolve issues yourself or quickly connect to an agent for live support. Now, you can get access to personalized IT support anywhere, anytime.

HPE Insight Remote Support and HPE Support Center are available at no additional cost with a HPE warranty, HPE Support Service or HPE contractual support agreement.

*HPE Support Center Mobile App is subject to local availability.

For more information <http://www.hpe.com/services>

<https://www.hpe.com/us/en/services/operational.html>

To learn more on HPE Storage Services, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner.

Contact information for a representative in your area can be found at "Contact HPE"

<https://www.hpe.com/us/en/contact-hpe.html>

HPE Support Services are sold by HPE and Hewlett Packard Enterprise Authorized Service Partners:

- Services for customers purchasing from HPE or an enterprise reseller are quoted using HPE order configuration tools.

Customers purchasing from a commercial reseller can find HPE Support Services at

<https://ssc.hpe.com/portal/site/ssc/>.

Summary of Changes

Date	Version History	Action	Description of Change
06-Nov-2017	From Version 5 to 6	Added	Added new electronic licenses.
23-Oct-2017	From Version 4 to 5	Changed	Care Pack naming and Service and Support- Parts and Materials updated.
14-Oct-2016	From version 3 to 4	Changed	Rebranding edition.
10-Jul-2015	From Version 2 to 3	Changed	Included MDS9250i and MDS9706 switches, Update SKUs descriptions.
09-May-2014	From Version 1 to 2	Changed	Recommended HPE Pointnext operational services was revised.



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