Cisco DCNM Release Notes, Release 10.1

First Published: 2017-01-19

Last Modified: 2017-02-22

Americas Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
http://www.cisco.com
Tel: 408 526-4000
    800 553-NETS (6387)
Fax: 408 527-0883

CONTENTS

Overview of Cisco DCNM

First Published: October, 2016

Cisco Data Center Network Manager unifies and automates Cisco Nexus® and MDS Multi-tenant infrastructure for data center management across Cisco Nexus 3000, 5000, 6000, 7000, and 9000 in NX-OS mode as well as MDS 9100, 9200, 9300, 9500 and 9700 Series Switches. Cisco DCNM lets you manage large scale LAN & SAN fabrics providing read-to-use management and automation capabilities. In addition, Cisco DCNM provides advanced SAN Management and troubleshooting functionality for Cisco MDS and Nexus Series Switches.

For more information, see http://www.cisco.com/c/en/us/products/cloud-systems-management/prime-data-center-network-manager/index.html.

Cisco DCNM, Release 10.1 is a unified release for managing SAN, LAN and Programmable Datacenter Fabrics in the Cisco NX-OS-driven datacenter environment. To download the Cisco DCNM software, go to https://www.cisco.com/c/en/us/support/cloud-systems-management/prime-data-center-network-manager/tsd-products-support-series-home.html and click **Download Software**.

This document provides the Release Notes for Cisco DCNM, Release 10.1(x). Use this document in combination with the documents listed in Related Documentation, on page 39.

Note Release Notes are sometimes updated with new information about restrictions and caveats. To view the most recent version of the Cisco DCNM Release Notes document, see: http://www.cisco.com/c/en/us/support/cloud-systems-management/prime-data-center-network-manager/products-release-notes-list.html.

The following table shows the change history for this document.

Table 1: Change History

Date	Description
October 2016	Published Release Notes for Cisco DCNM Release 10.1(1)
November 2016	Added the Resolved and Open Caveats for Cisco DCNM Release 10.1(1)ST1.

C H A P T E R **2**

System Requirements

This chapter lists the tested and supported hardware and software specifications for Cisco Prime Data Center Network Management (DCNM) server and client architecture. The application has been tested in English locales only. This chapter contains the following section:

System Requirements for Cisco DCNM, Release 10.1

This chapter includes the following sections:

Java Requirements

The Cisco DCNM Server is distributed with JRE 1.8.0_101 or later. The Cisco DCNM installer installs JRE 1.8.0_101 into the following directory:

```
DCNM_root_directory/java/jre1.8
```

Server Requirements

Cisco DCNM Release 10.1 supports the Cisco DCNM Server on these 64-bit operating systems:

- Microsoft Windows 2008 R2 SP1

- Microsoft Windows 2008 Standalone SP2

- Microsoft Windows 2012 R2

- Red Hat Enterprise Linux Release 6.6 and 7.0

- OVA and ISO with integrated operating system

Cisco DCNM Release 10.1 supports the following databases:

- Oracle11g Express (XE), Standard, and Enterprise Editions, and Oracle 11g Real Application Clusters (RAC)

- PostgreSQL 9.4.5

- Oracle 12c Enterprise Edition (Conventional)–(nonpluggable installation)

Note Cisco DCNM Release 10.1 does not support Oracle 12c pluggable database version installation.

- Oracle 12c RAC (nonpluggable installation)

Note The Cisco DCNM database size is not limited, and increases according to the number of nodes and ports that the DCNM manages with Performance Manager Collections enabled. You cannot restrict the database size. If you choose Oracle database, we recommend that you use Oracle SE or Enterprise edition, instead of Oracle XE due to table space limitations.

Note Customers are responsible for all the support associated with the Oracle databases, including maintenance, troubleshooting, and recovery. We recommend that customers perform regular database backups, either daily or weekly, to ensure that all the data is preserved.

Cisco DCNM Release 10.1 supports the running of the Cisco DCNM server on the following hypervisors:

- VMWare ESXi 6.0

- VMware vCenter 6.0

Note vCenter server is mandatory to deploy the Cisco DCNM 10.1 OVA Installer.

Cisco DCNM Server resources for various installers are summarized in the following table.

Table 2: Server Resources for LAN and SAN

LAN: 25 Switches and up to 1000 Ports SAN: 50 Switches and up to 2000 Ports	LAN: 100 Switches and up to 3000 Ports SAN: 200 Switches and up to 5000 Ports	LAN and SAN: 400+ nodes and 20000 ports
Dual-core CPUs, 2 GHz (or faster)	Quad-core CPUs, 2 GHz (or faster)	Quad-core CPU, 2 GHz, each core with two sockets
8-GB memory, 80-GB free hard disk	12-GB memory, 100-GB free hard disk 2 servers, LAN or SAN federation	12GB memory, 100-GB free hard disk 2 servers, Federation for SAN 1 server, Native HA for LAN

LAN: 25 Switches and up to 1000 Ports SAN: 50 Switches and up to 2000 Ports	LAN: 100 Switches and up to 3000 Ports SAN: 200 Switches and up to 5000 Ports	LAN and SAN: 400+ nodes and 20000 ports
Oracle 10g, Oracle11g Standard or Enterprise, Oracle 12c, PostgreSQL 9.4.5	Oracle11g Standard or Enterprise, Oracle 12c, PostgreSQL 9.4.5	Native-HA PostGreSQL, Oracle 11g standard or Enterprise, Oracle12c, 11g RAC with dedicated resources

Note Although it is not mandatory, we recommend that you register the server system with Domain Name Service (DNS) servers.

Client Requirements

Cisco DCNM SAN desktop client and Cisco Device Manager support Windows 7, Windows 2008, Windows 2012, and Red Hat Linux. The following table lists the minimum hardware requirements for these client systems.

Table 3: Client Hardware Requirements

Hardware	Minimum Requirements
RAM (free)	4 GB
CPU speed	3GHz or faster
Disk space (free)	20 GB

If you install Cisco DCNM in a virtual machine, you must reserve resources equal to the server resource requirements to ensure a baseline with the physical machines.

Some Cisco DCNM features require a license. Before using the licensed features, you must install a Cisco DCNM license for each Nexus or MDS managed platform.

Host Requirements

The following table lists the server resource requirements for deploying Cisco DCNM Release 10.1 Virtual Appliance (OVA).

Note Resource reservations for the OVA virtual machine are required to ensure consistent performance of the Cisco DCNM server.

Table 4: Host Requirements

Small Deployment: Up to 50 Switches	Large Deployment: More than 50 Switches
2 vCPUs, 2 GHz (or faster)	4 vCPUs, 2 GHz (or faster)
8-GB memory, 100 GB	12-GB memory, 100 GB

Browsers

Web browsers qualified for use with Cisco DCNM include Internet Explorer Version 11.0 and Firefox Version 38.0.

Other Supported Software

The following table lists other software supported by Cisco DCNM, Release 10.1.

Component	Minimum Requirements
Security	• ACS versions 4.0, 5.1, and 5.5 • Telnet Disabled: SSH Version 1, SSH Version 2, Global Enforce SNMP Privacy Encryption • Web Client and Cisco DCNM-SAN Server Encryption: HTTPS with TLS 1, 1.1 and 1.2
DHCP Server	• Cisco Network Registrar 8.2
CentOS 6.6	OVA/ISO Installers

Additionally, Cisco DCNM supports EMC call-home events, fabric change events, and events that are forwarded by traps and e-mail.

Deployment Best Practices for Cisco DCNM, Release 10.1

Keep the following guidelines in mind when deploying Cisco DCNM:

- If you deploy Oracle database:
  - Deploy an Oracle database on a separate server from the Cisco DCNM application server.
  - Deploy an Oracle database when managing production or mission-critical environments.
  - If you plan to use an Oracle 11g or Oracle 12c database, configure the Oracle database as follows:
    - Increase the number of sessions and processes to 150 each from the default of 50.
    - Increase the number of open cursors to 1000 from the default of 300.

• You must change the default setting by performing the following steps:

Note The password for the database expires after 180 days.

1 Log in to the Oracle database.

2 Enter the commands, as shown in this example:

```
SQL> GRANT CONNECT,RESOURCE,UNLIMITED TABLESPACE TO username IDENTIFIED by password;
Grant succeeded.
SQL> select username,password from dba_users where username='username';
SQL> ALTER PROFILE DEFAULT LIMIT
2 FAILED_LOG_ATTEMPTS UNLIMITED
3 PASSWORD_LIFE_TIME UNLIMITED;
Profile altered.
SQL> EXIT
```

• Network Time Protocol

    ◦ We recommend that the Cisco DCNM server run the Network Time Protocol (NTP) to synchronize its clock with those of the managed devices.

• General Guidelines

    ◦ Do not deploy Cisco DCNM when network latency is more then 50 ms from the switch management subnet to the Cisco DCNM server and Cisco DCNM database.

    ◦ Deploy Cisco DCNM on high-performance tier storage (2 to 4 ms response time).

    ◦ Create users with the same password digest and encryption algorithm in the device (for example, Digest, MD5) and encryption algorithm (for example, DES). Cisco DCNM will not authenticate the devices with different digest and encryption passwords.

    ◦ Deploy Cisco DCNM-SAN in a federation configuration when either of the following conditions is met:

        ◦ The switch count exceeds 150 switches

        ◦ The port count exceeds 15,000 connected ports for every management server

• Windows Operating System

    ◦ During the initial installation, disable all security and antivirus tools that are running on your Windows servers.

    ◦ Do not run any other management applications on the Cisco DCNM server or the Cisco DCNM database server.

• Virtual Machines

    ◦ When Cisco DCNM is deployed as a virtual machine, do not share CPU and memory resources with other virtual machines on the virtual host, and the data store with other virtual machines.

    ◦ CPU and memory resource must be reserved for virtual machines.

Deployment Best Practices for Cisco DCNM, Release 10.3(1)

Keep the following guidelines in mind when deploying Cisco DCNM:

- If you deploy Oracle database:
  - Deploy an Oracle database on a separate server from the Cisco DCNM application server.
  - Deploy an Oracle database when managing production or mission-critical environments.
  - If you plan to use an Oracle 11g or Oracle 12c database, configure the Oracle database as follows:
    - Increase the number of sessions and processes to 150 each from the default of 50.
    - Increase the number of open cursors to 1000 from the default of 300.

- You must change the default setting by performing the following steps:

  > **Note** The password for the database expires after 180 days.

  1 Log in to the Oracle database.

  2 Enter the commands, as shown in this example:
  ```
  SQL> GRANT CONNECT,RESOURCE,UNLIMITED TABLESPACE TO username IDENTIFIED by password;
  Grant succeeded.
  SQL> select username,password from dba_users where username='username';
  SQL> ALTER PROFILE DEFAULT LIMIT
  2 FAILED_LOG_ATTEMPTS UNLIMITED
  3 PASSWORD_LIFE_TIME UNLIMITED;
  Profile altered.
  SQL> EXIT
  ```

- Network Time Protocol
  - We recommend that the Cisco DCNM server run the Network Time Protocol (NTP) to synchronize its clock with those of the managed devices.

- General Guidelines
  - Do not deploy Cisco DCNM when network latency is more then 50 ms from the switch management subnet to the Cisco DCNM server and Cisco DCNM database.
  - Deploy Cisco DCNM on high-performance tier storage (2 to 4 ms response time).
  - Create users with the same password digest and encryption algorithm in the device (for example, Digest, MD5) and encryption algorithm (for example, DES). Cisco DCNM will not authenticate the devices with different digest and encryption passwords.
  - Deploy Cisco DCNM-SAN in a federation configuration when either of the following conditions is met:
    - The switch count exceeds 150 switches
    - The port count exceeds 15,000 connected ports for every management server

- Windows Operating System

  ◦ During the initial installation, disable all security and antivirus tools that are running on your Windows servers.

  ◦ Do not run any other management applications on the Cisco DCNM server or the Cisco DCNM database server.

- Virtual Machines

  ◦ When Cisco DCNM is deployed as a virtual machine, do not share CPU and memory resources with other virtual machines on the virtual host, and the data store with other virtual machines.

  ◦ CPU and memory resource must be reserved for virtual machines.

Installation Notes for Cisco DCNM, Release 10.1

The following installation notes apply to Cisco DCNM, Release 10.1:

- The Cisco DCNM Installer includes the Cisco DCNM server SAN client, Device Manager, SMI-S provider, PostgreSQL 9.4.5.

- The Cisco DCNM virtual appliance includes the Cisco DCNM serve and SAN client, Device Manager, PostgreSQL, Cisco XCP, OpenLDAP, RabbitMQ, DHCPD, all of which are installed on a 64-bit CentOS.

- On the Cisco DCNM Web Client, clicking the Evaluation License URL on Cisco DCNM **Web Client Administration > DCNM Server > License** tab results in an *Invalid Referrer* error message being displayed. This occurs if you have not signed out correctly during the previous instance. To resolve this, highlight the URL address in the web browser menu bar and press the **Return** key. Clear the web browser cache for the URL to work.

For information about installing Cisco DCNM Release 10.1, see the corresponding version of the *Cisco DCNM Installation Guide* at:

http://www.cisco.com/c/en/us/support/cloud-systems-management/prime-data-center-network-manager/products-installation-guides-list.html.

CHAPTER **3**

New Features and Enhancements

Cisco Data Center Network Manager (DCNM), includes the new features, enhancements, and hardware support that are described in the following section:

New Features and Enhancements in Cisco DCNM, Release 10.1(2)ST(1)

Cisco DCNM, Release 10.1(2)ST(1) is a template (.zip) file release. You can download the Cisco-defined templates from https://software.cisco.com/download/release.html.

Cisco DCNM, Release 10.1(2)ST(1), includes the new features, enhancements, that are described in the following section:

VNI-based VDP Auto-Configuration

In Programmable Fabric, end-host reachability management, is an essential function to automate the end-host provisioning in data center networks. There are several ways by which a leaf switch can detect adjacent end-hosts. VSI Discovery and configuration protocol (VDP) is a mechanism to do so. VDP can be used to reliably signal the presence of end-hosts and exchange capability with leaf switches as well as automating the association of the external network state to a VM thereby automating VM mobility seamlessly. This feature running on Cisco Nexus 9300 series is able to communicate with VDP capable Openstack managed end-hosts and perform auto configuration provisioning.

Inband POAP and Management for IP Fabric

A Nexus device with Power On Auto Provisioning (POAP) feature enabled is able to find its IP address and download image/configuration and successfully complete POAP process via the DHCP Server or Cisco DCNM located in or across a VXLAN/EVPN Fabric.

DCNM, Release 10.1(2)ST(1) supports POAP over VXLAN/EVPN fabric via the inband fabric interfaces (IP unnumbered and numbered P2P interfaces) and inband management via 'default' vrf in the fabric.

Consolidation of Border Leaf templates

The Nexus 7000 series border leaf templates have been consolidated into fewer templates.

The following two check boxes have been added to the general tab of the POAP wizard page.

- IS_VDC—The check box indicates if it is a Nexus 7000 or VDC configuration.

- IS_PE—The check box indicates if it is a combined border Leaf/Dc Edge function (MPLS handoff) or a BorderLeaf role (IP handoff) role.

The selection of these check boxes (see the table below) shows how to get roles from the new templates.

The following table shows the older template names and the new consolidated versions.

Table 5: Consolidation of Border Leaf templates

Old Template Names	Consolidated Template Name	IS_VDC Check box	IS_PE Check box
IPFabric_N7K_BorderLeaf.template	IPFabric_N7K_VDC_BorderLeaf.template	FALSE	FALSE
IPFabric_N7K_BorderPELeaf.template		FALSE	TRUE
IPFabric_VDC_BorderLeaf.template		TRUE	FALSE
IPFabric_VDC_BorderPELeaf.template		TRUE	TRUE
IPFabric_N7K_BorderSpine.template	IPFabric_N7K_VDC_BorderSpine.template	FALSE	FALSE
IPFabric_N7K_BorderPESpine.template		FALSE	TRUE
IPFabric_VDC_BorderSpine.template		TRUE	FALSE
IPFabric_VDC_BorderPESpine.template		TRUE	TRUE
Fabric_N7K_BorderLeaf.template	Fabric_N7K_VDC_BorderLeaf.template	FALSE	FALSE
Fabric_N7K_BorderPE.template		FALSE	TRUE
Fabric_VDC_BorderLeaf.template		TRUE	FALSE
Fabric_VDC_BorderPE.template		TRUE	TRUE
Base_N7K_Edge_Router.template	Base_N7K_VDC_Edge_Router.template	FALSE	—
Base_VDC_Edge_Router.template		TRUE	—

New Features and Enhancements in Cisco DCNM, Release 10.1(2)

Cisco DNCM, Release 10.1(2), includes the new features, enhancements, and hardware support that are described in the following section:

DCNM Media Controller

Through open APIs, the Cisco DCNM Media Controller seamlessly integrates with the broadcast controller and provides a similar operator workflow with all the benefits of an IP-based infrastructure. The DCNM Media Controller features an intuitive GUI that enables you to configure your IP fabric using pre-defined templates designed for media networks.

To access the Media Controller feature using the DCNM Web Client, choose **Web Client > Media Controller.**

The DCNM Media Controller enables you to do the following:

- Configure secure generic or multicast-specific policies for individual hosts and allow or deny hosts based on their role.

- Configure secure multicast-specific policies for multiple hosts and flows.

- View the end-to-end traffic flow and bandwidth utilization to quickly identify problem areas (such as link failures or oversubscriptions) in your fabric.

- Use flow analytics to measure and store bit rates and to display the details for individual traffic flows.

- View an audit log of actions performed on the fabric.

Deprecated POAP Templates

The *dcnm_deprecated_templates.10.1.1 zip* file contains the POAP templates that are deprecated in DCNM Release 10.1.2.

New Features and Enhancements in Cisco DCNM, Release 10.1(1)ST(1)

Cisco DCNM, Release 10.1(1)ST(1) is a template (.zip) file release. You can download the Cisco-defined templates from https://software.cisco.com/download/release.html.

The following lists the POAP templates available for download:

- dcnm_ip_vxlan_fabric_templates.10.1.1.ST.1.zip

- dcnm_fabricpath_fabric_templates.10.1.1.ST.1.zip

- dcnm_deprecated_templates.10.1.1.ST.1.zip

> ✎
>
> **Note**   The templates in the dcnm_deprecated_templates.10.1.1.ST.1.zip file are being deprecated, and will be dropped from future template zip releases.

New Features and Enhancements in Cisco DCNM, Release 10.1(1)

Cisco DNCM, Release 10.1(1), includes the new features, enhancements, and hardware support that are described in the following section:

San Management Enhancement

Beginning from Release 10.1(1), Cisco DCNM supports the following SAN Management enhancements.

- Smart Zoning through Cisco DCNM Web Client
- Zoning activation dialog shows color coded identifiers in the Cisco DCNM Web Client
- Supports FCoE on Cisco Nexus 9000 Series Switches
- View and monitor FCIP compression ratio through Web Client
- Access to FICON Request Node Identification Data (RNID) information through the Web Client
- Proactive insight of Slow Drain with job scheduling functionality

End of life and End of support reporting enhancements

Cisco DCNM provides End of Life information about Cisco MDS 900 Series Switches and Cisco Nexus products. This aids the users to plan for replacement or upgrading the components that are nearing End of Life.

vPC Functionality enhancement

The virtual port channel (vPC) feature enables you to view the links that are physically connected to different devices as a single port channel. The Cisco DCNM Web Client helps you to configure and identify the inconsistent vPCs, and resolve the inconsistencies in each vPC.

From the Cisco DCNM **Web Client > Configure > Deploy > VPC Peer** to configure vPC peer links.

From the Cisco DCNM **Web Client > Configure > Deploy > VPC** to configure the vPC.

From the Cisco DCNM **Web Client > Monitor > LAN > VPC > vPC Consistency** to view the vPC consistency status.

DCNM Connect (Storage creation and assignment)

Beginning with Release 10.1(1), Cisco DCNM allows you to create and automate storage, which allows you to allocate and assign storage through the Web Client. This provides deployment automation for Cisco MDS and Cisco Nexus Switches. After the storage is allocated and assigned, Cisco DCNM assists in establishing connectivity between host and storage through the Web Client.

Interface Provisioning

Cisco DCNM Release 10.1(x) supports Add, Edit through Policy Templates, Delete, Shut, No Shut and Visibility with micro-templates. Interface modifications deployed over time can also be tracked from the Cisco DCNM Web Client interface.

Per User LAN Credentials

Cisco DCNM Release 10.1(x) now requires that users set personal LAN credentials prior to performing actions which modify a device or device configuration. Per user LAN credentials is accessible on Cisco DCNM **Web Client > Configure > Credentials Management > LAN Credentials**.

VLAN Management

Cisco DCNM Release 10.1(x) supports Add, Delete, Shut, No Shut and Visibility with micro-templates.

VLANs can be created directly from the switch view from the Cisco DCNM Web Client.

Cisco Nexus 9000 support FCoE NPV

Beginning from Release 10.1(0), Cisco DCNM facilitates FCoE NPV support along with vPC and FEX on Cisco Nexus 9000 Series Switches.

New Hardware Support

The following hardware are supported in Cisco DCNM Release 10.1(1).

Hardware	Part Number
Cisco MDS 9000 FCIP Line Card, Release 7.3(0)DY(1) Cisco MDS 9700 Series 24/10 San Extension Module	DS-X93340-K9

Supported Cisco Platforms and Software Versions

For information about the software platforms and versions that the Cisco Data Center Network Manager (DCNM) Release 10.1 supports, see the Cisco DCNM Compatibility Matrix, Release 10.1.

Note   For compatibility reasons, we recommend that you run the same version (or a later version) of Cisco DCNM as the Cisco NX-OS software.

CHAPTER 5

Supported Hardware

This chapter contains information about the products and components supported in Cisco Prime DCNM .

Hardware Supported in Cisco DCNM, Release 10.1(1)

The following tables list the products and components supported in Cisco DCNM, Release 10.1(1).

Table 6: Cisco MDS 9000 Family

Product/Component	Part Number
Cisco MDS 9250i Multilayer Fabric Switch	DS-9250I-K9
Cisco MDS 9124 24-Port Multilayer Fabric Switch	DS-C9124-K9
Cisco MDS 9134 34-Port Multilayer Fabric Switch	DS-C9134-K9
Cisco MDS 9148 48-Port Multilayer Fabric Switch	DS-C9148-K9
Cisco MDS 9148 48-Port Multilayer Fabric Switch	DS-C9148S-K9
Cisco MDS 9216i Multilayer Fabric Switch	DS-C9216i-K9
Cisco MDS 9222i Multilayer Fabric Switch	DS-C9222i-K9
Cisco MDS 9506 Multilayer Director	DS-C9506
Cisco MDS 9509 Multilayer Director	DS-C9509
Cisco MDS 9513 Multilayer Director	DS-C9513
Cisco MDS 9706 Multilayer Director	DS-C9706
Cisco MDS 9710 Multilayer Director	DS-C9710
Cisco MDS 9718 Multilayer Director	DS-C9718
Cisco MDS 9000 32-Port 2-Gbps Fibre Channel Switching Module	DS-X9032

Product/Component	Part Number
Cisco MDS 9000 32-Port Storage Services Module	DS-X9032-SSM
Cisco MDS 9000 12-port 4-Gbps Fibre Channel Switching Module	DS-X9112
Cisco MDS 9000 12-port 4-Gbps Fibre Channel Switching Module	DS-X9112
Cisco MDS 9000 12-port 4-Gbps Fibre Channel Switching Module	DS-X9112
Cisco MDS 9000 24-port 4-Gbps Fibre Channel Switching Module	DS-X9124
Cisco MDS 9000 48-port 4-Gbps Fibre Channel Switching Module	DS-X9148
Cisco MDS 9000 24-Port 8-Gbps Fibre Channel Switching Module	DS-X9224-96K9
Cisco MDS 9000 32-port 8-Gbps Advanced Fibre Channel Switching Module	DS-X9232-256K9
Cisco MDS 9000 48-port 8-Gbps Advanced Fibre Channel Switching Module	DS-X9248-256K9
Cisco MDS 9000 4/44-Port Host-Optimized 8-Gbps Fibre Channel Switching Module	DS-X9248-48K9
Cisco MDS 9000 48-Port 8-Gbps Fibre Channel Switching Module	DS-X9248-96K9
Cisco MDS 9000 Family 14-Port Fibre Channel and 2-port Gigabit Ethernet Module	DS-X9302-14K9
Cisco MDS 9000 18/4-Port Multiservice Module (MSM-18/4)	DS-X9304-18K9
Cisco MDS 9000 4-port 1-Gbps IP Storage Module	DS-X9304-SMIP
Cisco MDS 9000 8-port 1-Gbps IP Storage Module	DS-X9308-SMIP
Cisco MDS 9000 Family 16-Port Storage Services Node (SSN-16)	DS-X9316-SSNK9
Cisco MDS 9000 Family 24/10 SAN Extension Module	DS-X9334-K9
Cisco MDS 9000 48-port 16-Gbps Fibre Channel Switching Module with SFP LC connectors	DS-X9448-768K9
Cisco MDS 9500 Series Supervisor-1 Module	DS-X9530-SF1-K9
Cisco MDS 9500 Series Supervisor-2 Module	DS-X9530-SF2-K9
Cisco MDS 9500 Series Supervisor-2A Module	DS-X9530-SF2A-K9

Product/Component	Part Number
Cisco MDS 9000 Family 4-Port 10-Gbps Fibre Channel Switching Module	DS-X9704
Cisco MDS 9000 8-port 10-Gbps Fibre Channel over Ethernet (FCoE) Module	DS-X9708-K9
Cisco MDS 48-Port 10-Gigabit Fibre Channel over Ethernet (FCoE) Module with SFP LC connectors	DS-X9848-480K9

Table 7: Cisco Nexus 9000 Series Switches

Product/Component	Part Number
Cisco Nexus 9000 Series Switches	
Nexus 9K Fixed with 48p 10G BASE-T and 6p 40G/100G QSFP28	N9K-C93108TC-EX
Nexus 9K Fixed with 48p 1/10G/25G SFP+ and 6p 40G/100G QSFP28	N9K-C93180YC-EX
Cisco Nexus 9000 Series 40GE Modules	
N9K 32p 40G Ethernet Module	N9K-X9432PQ
36p 40G Ethernet Module	N9K-X9636PQ
Cisco Nexus 9000 Series 10GE Fiber and Copper Modules	
8-port 100-Gigabit CFP2 I/O module	N9K-X9408PC-CFP2
100 Gigabit Ethernet uplink ports	N9K-M4PC-CFP2
Cisco Nexus 9500 line card support	N9K-X9564PX
N9K 48x1/10G-T 4x40G Ethernet Module	N9K-X9464PX
Cisco Nexus 9500 line card support	N9K-X9564TX
N9K 48x1/10G SFP+ 4x40G Ethernet Module	N9K-X9464TX
Cisco Nexus 9000 Series GEM Module	
N9K 40G Ethernet Expansion Module	N9K-M12PQ
N9K 40G Ethernet Expansion Module	N9K-M6PQ
Cisco Nexus 9200 Switches	
Nexus 92160YC-X with High performance 1RU box, 48 1/10/25-Gb host ports	N9K-C92160YC-X
Nexus 9272Q with High-performance, 72-port\40-Gb fixed switching 2RU box, 5.76 Tbps of bandwidth	N9K-C9272Q

Product/Component	Part Number
Nexus 9200 with 56p 40G QSFP+ and 8p 100G QSFP28	N9K-C92304QC
Nexus 9200 with 36p 40G 100G QSFP28	N9K-C9236C
Nexus 9200 with 48p 1/10G/25G SFP+ and 6p 40G QSFP or 4p 100G QSFP28	N9K-C92160YC-X
Nexus 9200 with 72p 40G QSFP+	N9K-C9272Q
Cisco Nexus 9300 Fixed Switches	
9372-PXE - 48 1/10-Gbps (SFP+) ports and 6 Quad SFP+ (QSFP+) uplink port, 1 RU box	N9K-C9372PX-E
Cisco Nexus 9396PX Switch	N9K-C9396PX
Cisco Nexus 9396TX Switch	N9K-C9396TX
Cisco Nexus 9372PX Switch	N9K-C9372TX
Cisco Nexus 9372PX Switch	N9K-C9372TX
Cisco Nexus 9372TX Switch	N9K-C9372TX
Cisco Nexus 9372TX Switch	N9K-C9372PX
Cisco Nexus 9332PQ Switch	N9K-C9332PQ
Cisco Nexus 93128TX Switch	N9K-C93128TX
Nexus 9300 with 48p 1/10G-T and 6p 40G QSFP+	N9K-C9372TX-E
Cisco Nexus 9500 Modular Chassis	
Cisco Nexus 9504 Switch	N9K-C9504
Cisco Nexus 9508 Switch	N9K-C9508
Cisco Nexus 9516 Switch	N9K-C9516
Nexus 9500 linecard, 32p 100G QSFP aggregation linecard	N9K-X9732C-EX
Nexus 9500 linecard, 32p 100G QSFP28 aggregation linecard (Linerate >250 Bytes)	N9K-X9432C-S
Cisco Nexus 9500 Fabric Modules	
Fabric Module for Nexus 9504 with 100G support, NX-OS and ACI spine	N9K-C9504-FM-E
Fabric Module for Nexus 9504 with 100G support, NX-OS only	N9K-C9504-FM-S
Fabric Module for Nexus 9508 chassis 100G support, NX-OS and ACI spine	N9K-C9508-FM-E

Product/Component	Part Number
Fabric Module for Nexus 9508 chassis 100G support, NX-OS only	N9K-C9508-FM-S

Table 8: Cisco Nexus 7000 Series Switches

Product/Component	Part Number
Supported Chassis	
Cisco Nexus 7004 chassis	N7K-C7004
Cisco Nexus 7706 chassis	N77-C7706-FAB2
Cisco Nexus 7009 chassis	N7K-C7009
Cisco Nexus 7010 chassis	N7K-C7010
Cisco Nexus 7018 chassis	N7K-C7018
Cisco Nexus 7710 chassis	N7K-C7710
Cisco Nexus 7718 chassis	N7K-C7718
Fabric module, Cisco Nexus 7009 chassis	N7K-C7009-FAB-2
Fabric module, Cisco Nexus 7010 chassis	N7K-C7010-FAB-1
Fabric module, Cisco Nexus 7010 chassis	N7K-C7010-FAB-2
Fabric module, Cisco Nexus 7018 chassis	N7K-C7018-FAB-1
Fabric module, Cisco Nexus 7018 chassis	N7K-C7018-FAB-2
Fabric module, Cisco Nexus 7710 chassis	N77-C7710-FAB-1
Fabric module, Cisco Nexus 7710 chassis	N77-C7710-FAB-2
Fabric module, Cisco Nexus 7718 chassis	N77-C7718-FAB-2
Supported Supervisor	
Cisco Nexus 7000 Supervisor 1 Module	N7K-SUP1
Cisco Nexus 7000 Supervisor 2 Module	N7K-SUP2
Cisco Nexus 7000 Supervisor 2 Enhanced Module	N7K-SUP2E
Cisco Nexus 7700 Supervisor 2 Enhanced Module	N77-SUP2E
Supported F Line Cards	
32-port 1/10 Gigabit Ethernet SFP+ I/O Module	N7K-F132XP-15
48-port 1/10 Gigabit Ethernet SFP+ I/O Module (F2 Series)	N7K-F248XP-25

Product/Component	Part Number
48-port 1/10 Gigabit Ethernet SFP+ I/O Module (Enhanced F2 Series)	N7K-F248XP-25E
48-port 1/10 GBase-T RJ45 Module (Enhanced F2-Series)	N7K-F248XT-25E
Cisco Nexus 7700 Enhanced 48-port 1/10 Gigabit Ethernet SFP+ I/O Module (F2 Series)	N77-F248XP-23E
Cisco Nexus 7000 1 F3 100G	N7K-F306CK-25
Cisco Nexus 7000 F3-Series 6-Port 100G Ethernet Module	N7K-F306CK-25
Cisco Nexus 7000 F3-Series 12-Port 40G Ethernet Module	N7K-F312FQ-25
Cisco Nexus 7700 F3-Series 24-Port 40G Ethernet Module	N77-F324FQ-25
Cisco Nexus 7700 F3-Series 48-Port Fiber 1 and 10G Ethernet Module	N77-F348XP-23
Nexus 7000 F3-Series 48-Port Fiber 1 and 10G Ethernet Module	N7K-F348XP-25
Supported M Line Cards	
8-port 10-Gigabit Ethernet Module with XL Option (requires X2)	N7K-M108X2-12L
32-port 10-Gigabit Ethernet SFP+ I/O Module	N7K-M132XP-12
32-port 10-Gigabit Ethernet SFP+ I/O Module with XL Option	N7K-M132XP-12L
48-port 10/100/1000 Ethernet I/O Module	N7K-M148GT-11
48-port 1-Gigabit Ethernet SFP I/O Module	N7K-M148GS-11
48-port 1-Gigabit Ethernet Module with XL Option	N7K-M148GS-11L
2-port 100-Gigabit Ethernet I/O Module with XL Option	N7K-M202CF-22L
6-port 40-Gigabit Ethernet I/O Module with XL Option	N7K-M206FQ-23L
24-port 10-Gigabit Ethernet I/O Module with XL Option	N7K-M224XP-23L
Network Analysis Module NAM-NX1	N7K-SM-NAM-K9

Table 9: Cisco Nexus 6000 Series Switches

Product/Component	Part Number
N6004X/5696 chassis **Note** This has been rebranded as Cisco Nexus 5000 Series Switches Chassis	N5K-C5696Q
Cisco Nexus 6001-64T Switch	N6K-C6001-64T
Cisco Nexus 6001-64P Switch	N6K-C6001-64P
Cisco Nexus 6004 EF Switch	N6K-C6004
Cisco Nexus 6004 module 12Q 40-Gigabit Ethernet Linecard Expansion Module/FCoE, spare	N6004X-M12Q
Cisco Nexus 6004 M20UP LEM	N6004X-M20UP
Cisco Nexus 6004P-96Q Switch	N6K-6004-96Q

Table 10: Cisco Nexus 5000 Series Switches

Product/Component	Part Number
Cisco Nexus 5648Q Switch is a 2RU switch, 24 fixed 40-Gbps QSFP+ ports and 24 additional 40-Gbps QSFP+ ports	N5K-C5648Q
Cisco Nexus 5624Q Switch 1 RU, -12 fixed 40-Gbps QSFP+ ports and 12 X 40-Gbps QSFP+ ports expansion module	N5K-C5624Q
20 port UP LEM	N5696-M20UP
12 port 40G LEM	N5696-M12Q
4 port 100G LEM	N5696-M4C
N5000 1000 Series Module 6-port 10GE	N5K-M1600(=)
N5000 1000 Series Module 4x10GE 4xFC 4/2/1G	N5K-M1404=
N5000 1000 Series Module 8-port 4/2/1G	N5K-M1008=
N5000 1000 Series Module 6-port 8/4/2G	N5K-M1060=
Cisco Nexus 56128P Switch	N5K-C56128P
Cisco Nexus 5010 chassis	N5K-C5010P-BF
Cisco Nexus 5020 chassis	N5K-C5020P-BF N5K-C5020P-BF-XL
Cisco Nexus 5548P Switch	N5K-C5548P-FA
Cisco Nexus 5548UP Switch	N5K-C5548UP-FA

Product/Component	Part Number
Cisco Nexus 5672UP Switch	N5K-C5672UP
Cisco Nexus 5596T Switch	N5K-C5596T-FA
Cisco Nexus 5596UP Switch	N5K-C5596UP-FA
Cisco Nexus 0296-UPT chassis and GEM N55-M12T support	N5K-C5596T-FA-SUP
16-port Universal GEM, Cisco Nexus 5500	N5K-M16UP
Version 2, Layer 3 daughter card	N55-D160L3-V2

Table 11: Cisco Nexus 4000 Series Switches

Product/Component	Part Number
Cisco Nexus 4001I Switch Module	N4K-4001I-XPX
Cisco Nexus 4005I Switch Module	N4K-4005I-XPX

Table 12: Cisco Nexus 3000 Series Fabric Extenders

Product/Component	Part Number
Cisco Nexus 3016 Switch	N3K-C3016Q-40GE
Cisco Nexus 3048 Switch	N3K-C3048TP-1GE
Cisco Nexus 3064-E Switch	N3K-C3064PQ-10GE
Cisco Nexus 3064-X Switch	N3K-C3064PQ-10GX
Cisco Nexus 3064-T Switch	N3K-C3064TQ-10GT
Nexus 31108PC-V, 48 SFP+ and 6 QSFP28 ports	N3K-C31108PC-V
Nexus 31108TC-V, 48 10GBase-T RJ-45 and 6 QSFP28 ports	N3K-C31108TC-V
Cisco Nexus 3132Q Switch	N3K-C3132Q-40GE
Nexus 3132 Chassis	N3K-C3132Q-40GX
Cisco Nexus 3172PQ Switch	N3K-C3172PQ-10GE
Cisco Nexus 3548 Switch	N3K-C3548P-10G

Table 13: Cisco Nexus 2000 Series Fabric Extenders

Product/Component	Part Number
Nexus 2348 Chassis	N2K-C2348TQ-10GE
Cisco Nexus 2348UPQ 10GE 48 x 1/10 Gigabit Ethernet and unified port host interfaces (SFP+) and up to 6 QSFP+ 10/40 Gigabit Ethernet fabric interfaces	N2K-C2348UPQ
Cisco Nexus 2148 1 GE Fabric Extender	N2K-C2148T-1GE
Cisco Nexus 2224TP Fabric Extender	N2K-C2224TP-1GE
Cisco Nexus 2232TM 10GE Fabric Extender	N2K-C2232TM-10GE
Cisco Nexus 2232TM 10GE Fabric Extender	N2K-C2232TM-E-10GE
Cisco Nexus 2232PP 10 GE Fabric Extender	N2K-C2232PP-10GE
Cisco Nexus 2248TP 1 GE Fabric Extender	N2K-C2248TP-1GE
Cisco Nexus 2248TP E GE Fabric Extender	N2K-C2248TP-E GE
Cisco Nexus 2248PQ Fabric Extender	N2K-C2248PQ-10GE
Cisco Nexus B22 Fabric Extender for HP	N2K-B22HP-P
Cisco Nexus B22 Fabric Extender for Fujitsu	N2K-B22FTS-P
Cisco Nexus B22 Fabric Extender for Dell	N2K-B22DELL-P

Table 14: Cisco Nexus 1000V Series Switch

Product/Component	Part Number
Cisco Nexus 1010 Virtual Services Appliance	N1K-C1010
Cisco Nexus 1010-X Virtual Services Appliance	N1K-C1010-X
Cisco Nexus 1110-S Virtual Services Appliance	N1K-1110-S
Cisco Nexus 1110-X Virtual Services Appliance	N1K-1110-X

CHAPTER **6**

Caveats

Caveats describe unexpected behavior in a product. The Open Caveats section lists open caveats that apply to the current release and may apply to previous releases. A caveat that is open for a prior release and is still unresolved applies to all future releases until it is resolved.

To view the details of the software bugs pertaining to your product, perform the following task:

- Click the Caveat ID/Bug ID number in the table.

The corresponding **Bug Search Tool** window is displayed with details of the Caveat ID/Bug ID.

The Bug Search Tool (BST), which is the online successor to the Bug Toolkit, is designed to improve the effectiveness in network risk management and device troubleshooting. The BST allows partners and customers to search for software bugs based on product, release, and keyword, and aggregates key data, such as bug details, product, and version. The tool has a provision to filter bugs based on credentials to provide external and internal bug views for the search input.

To view the details of a caveat whose ID you do not have, perform the following procedure:

1 Access the BST using your Cisco user ID and password at:
https://tools.cisco.com/bugsearch/

2 In the **Bug Search** window that is displayed, enter the necessary information in the corresponding fields.

For more information about how to use the Cisco Bug Search Tool effectively, including how to set email alerts for bugs and to save bugs and searches, see Bug Search Tool Help & FAQ.

This chapter lists the Open and Resolved Caveats in Cisco DCNM, and contains the following section:

Cisco DCNM, Release 10.1(2)ST1

Resolved Caveats

The following table lists the Resolved bugs for Cisco DCNM, Release 10.1(2)ST(1).

Caveat ID Number	Description
CSCvb22521	DCNM N9K POAP templates for inband PoAP and inband management
CSCvc18230	With IPFabric_N9K_Leaf template, 'install feature-set fex' and 'feature-set fex' CLIs are always generated even though no FEX array is configured under "Interfaces" tab.
CSCvc99767	Invalid command error logged on the console of an Nexus 7000 switch when POAP done for main VDC (Admin or Default) and additional sub-VDCs.
CSCvb79320	Add " fabric forwarding anycast-gateway-mac" in Border Templates of POA.P

Open Caveats

The following table lists the Open bugs for Cisco DCNM, Release 10.1(2)ST(1).

Caveat ID Number	Description
CSCuy99562	Remove * dyn vlans from Gateway tab for BL template
CSCvd03406	Values for some fields are cleared upon uncheck/check of IsPE or Is VDC
CSCvc90166	Linecards powered down by PFM during POAP replay due to FM failure
CSCvd11422	The secure LDAP provisioning does not work in the VDC POAP templates.

Cisco DCNM, Release 10.1(2), Caveats

Resolved Caveats

The following table lists the Resolved bugs for Cisco DCNM, Release 10.1(2).

Caveat ID Number	Description
CSCvc04231	NGOAM crashes at ngoam_vlan_bitset_clear_bit after POAP.

Open Caveats

The following table lists the Open bugs for Cisco DCNM, Release 10.1(2).

Caveat ID Number	Description
CSCvc86730	The VOAP of Nexus 7000 VDC fails to start, and an error message appears.
CSCvc87482	DCNM Connect:EMC—VNX not masking Host in green field deployment ,when FCoE target port is used.
CSCvc59444	DCNM dropdown is not working in the Chrome browser
CSCvc83537	Network profiles' DHCP IP range missing after upgrade from release 10.0.1
CSCvc95314	Entering previously used BGP ASN creates conf file in DCNM server unnecessarily.
CSCuz30546	Upg: SAN reports missing from View page on upgraded setup
CSCuz46501	Support for border-leaf and border-spine in Fabric Plan Provisioning
CSCuz48783	Top-Down: Populate Vlan operation picking from incorrect vlan pool
CSCuz49581	MSM: RBAC not supported for Def_SAN scope in MSM
CSCva89188	duplicated TFTP process in HA, service fail
CSCvb26865	Native HA: xmpp is not running in active after making eth1 down and reboot
CSCvb39143	DCNM Connect:HDS - Host group name is random 3 numbers dot and one more nos
CSCvb48373	Federation:Topology not displaying VPC access links
CSCvb66368	After stopping the DB services, templates are not seen in the Configure->Templates->Deploy page
CSCvb70554	DCNM Connect:HDS - After LUN creation, initially shows generated name for LUN

Caveat ID Number	Description
CSCvb72289	DCNM Connect:HDS - Masking on HDS FCoE fails
CSCvb77026	if a native-ha primary servers heartbeat interface went down--both servers acting active permanently

Cisco DCNM, Release 10.1(1)ST1, Caveats

Resolved Caveats

The following table lists the Resolved bugs for Cisco DCNM, Release 10.1(1)ST(1).

Caveat ID Number	Description
CSCuy12142	POAP templates fo not set ssh timeout and set console timeout to 0
CSCuy28444	feature-set mpls missing in FP VDC SPINE POAP template
CSCuy49545	Allow add vlan range column while configuring vPC hosts through POAP
CSCuz44920	POAP:Fabric IP Prefix made mandatory if not using P2P Fabric Interfaces
CSCuz47415	General settings to set time zone and summer time
CSCuz53109	POAP:delay restore is required for vpc
CSCuz53425	DCNM POAP: Support for redundant AAA/DNS and Syslog
CSCuz94992	POAP Templates: Need advertise-pip in BGP on VPC leafs
CSCva13045	AAA, LDAP should not hardcode \"management\" vrf
CSCva40826	BorderSpine vpc definitions not a match to those in EVPN leaf template
CSCva60400	Modify allowed VLAN list on host port in Nexus 9000 leaf template
CSCva87665	AAA diff generated after POAP
CSCva89496	Backbone VLAN syntax errors with backbone mode BDI.
CSCva95275	Nexus 7000 : FP templates missing power supply options.
CSCvb26391	\"MANAGEMENT_VRF\" field is mandatory in vdc spine
CSCvb28114	diff conformance seen for fab port-channel on Nexus 7000 spine

Caveat ID Number	Description
CSCvb44985	feature-set fex cli generated without enabling FEX
CSCvb45450	vpc peer-switch needs to be added to vPC configs in POAP templates
CSCvb45472	install feature-set clis on default vdc, shown in diff for non-def vdc
CSCvb46923	Extra '}' caracter is added to 7k-vdc-border leaf generated configurations.
CSCvb48901	Remove inband POAP/mgmt changes from N6k IP templates
CSCvb50719	After POAP, interface configurations are getting overwritten due to fex configuration
CSCvb63024	EVPN leaf - Unable to add switchport trunk allowed vlan range
CSCvb63710	Split zip file to move deprecated templates to a separate zip
CSCvb66963	Remove vpc nve peer-link vlan from N9k templates
CSCvb66977	vpc backup vlan should be made mandatory
CSCvb68182	macs command at end of IPFabric_N5600_BorderLeaf_10_1_1_ST_0_35
CSCvb68978	Nexus 7000 POAP: Syntax error :aaa authentication login console local' for all vdc tempaltes
CSCvb69024	Nexus 7000 POAP: Syntax error 'copp profile strict' with POAP Fabric_VDC spine
CSCvb73239	Validation errors while importing Fabric_N5600_N6K_BorderLeaf_10_1_1_ST_0_34
CSCvb75112	Nexus 7000 POAP: hardware ethernet store-and-fwd-switching syntax error for border leaf template
CSCvb75428	Peer-link vlan fields not present in N9K leaf template
CSCvb79550	Enabling feature ngoam on n7k-spines, n9k leaf/spine templates
CSCvb82142	Nexus 7000 POAP: Syntax errors with POAP base Edge router
CSCvb83081	Additional template update for Nexus 9000 needed
CSCvb85011	N9K POAP: Remove the secure ldap support
CSCvb93305	FP BL template, peer-link lacp suspend-local command not getting confgured
CSCvb93934	IPFabric BL template auto-config tab enable/disable issue

Caveat ID Number	Description
CSCvb95907	Unable to select Enable FEX in Admin VDC template N7K
CSCvb96182	Bulk commit for issues found
CSCvb99203	Nexus 9k spine/leaf template diffs for router bgp
CSCvc02020	XMPP "fabric access server" diff shown for n7k Edge router
CSCvc03398	Remove all BGP config when enabled flood and learn
CSCvc04251	fabric path configs added through poap for IP vxlan n7k Edge router
CSCvc07498	CLI: system routing template-vxlan-scale' for sugar bowl TOR's
CSCvc09359	Enable ngoam as an option
CSCvc13016	Revert CSCva86972 ENABLE_FLOOD_AND_LEARN changes from N7K
CSCvc14847	Nexus 7000 spine tempalte, p2p fabric interface and netmask length not in correct order

Open Caveats

The following table lists the Open bugs for Cisco DCNM, Release 10.1(1)ST(1).

Caveat ID Number	Description
CSCux96340	Checkpoint diff not working with FCOE on 5k, 6k and 7k switches.
CSCuy99562	Remove * dyn vlans from Gateway tab for BL template
CSCva24840	Extra exits showing up in diff file
CSCva85167	Inconsistent show vlans when doing "show run"
CSCva95312	vmtracker always in default vrf (FP) and missing vlan range (FP/IP)
CSCvb00853	Diff detected after POAP on N9K
CSCvb59732	Cisco Nexus 9000: DCNM diff shown is incorrect.
CSCvb92047	snmp-server host was configured twice with 2 different IP
CSCvb99497	Nexus 9000 leaf and Nexus 7000 template diffs include the param-lists
CSCvb99705	Interface config diff seen for N7K/VDC BL

Caveat ID Number	Description
CSCvc02139	Differences seen with Nexus 9000 leaf template.
CSCvc03962	Inband POAP: Diffs seen in spine/leaf template
CSCvc04231	ngoam crash at ngoam_vlan_bitset_clear_bit after POAP
CSCvc09105	n9k leaf template diff for router bgp
CSCvc14733	Inband POAP:Diffs seen in non-seed leaf template

Cisco DCNM, Release 10.1(1), Caveats

Resolved Caveats

The following table lists the resolved bugs for Cisco DCNM, Release 10.1(1).

Caveat ID Number	Description
CSCuz35483	UI grayed out after adding a network without any Org or Parts
CSCuz40448	NVT: RP Array in n9k-spine template is not reflecting the change
CSCuz45124	Spine hostname and interface tab info missing in POAP definitions
CSCuz45415	ova upgrade:"error: cannot contact server" on localtime for standby dcnm
CSCuz50440	Patch:After removal of patch, Unable to login to DCNM due to "Auth Fail"
CSCuz52758	Fuji4(10.0): OU_BASE missing on templates after upgrade
CSCuz55165	Dashboard->Compute/Storage topology print/export function broken.
CSCuz56719	Custom report generation using Visio topology throws exception.
CSCuz60513	Fuji4: Import template does not set POAP and Publish option
CSCuz76124	DCNM-10.0:delete the template from GUI does not remove it in file system
CSCuz79229	Boolean Mandatory values show red (mandatory) asterisk next to checkbox
CSCuz99974	DCNM DB lost during upgrade with non-default install location
CSCva11032	EMC-ENTRANCE:Upgrade from 723 to 10x with postgres will fail on RHEL 6.4

Open Caveats

The following table lists the Open bugs for Cisco DCNM, Release 10.1(1).

Caveat ID Number	Description
CSCul88797	Connection between Fex and N1k not shown for 2 layer vPC
CSCuo15884	Topology view: Incorrect Discovery Port
CSCux59690	DCNMP: Interfaces are not getting discovered in Hafinum switch
CSCuz30546	Upg: SAN reports missing from View page on upgraded setup
CSCuz35043	select/clear all check box is not working properly under networks
CSCuz46501	Support for border-leaf and border-spine in Fabric Plan Provisioning
CSCuz48783	Top-Down: Populate Vlan operation picking from incorrect vlan pool
CSCuz49581	MSM: RBAC not supported for Def_SAN scope in MSM
CSCva89188	duplicated TFTP process in HA, service fail
CSCvb26865	Native HA: xmpp is not running in active after making eth1 down and reboot
CSCvb39143	DCNM Connect:HDS - Host group name is random 3 numbers dot and one more nos
CSCvb48373	Federation:Topology not displaying VPC access links
CSCvb58434	Dcnm-log-capture script for PG setup is getting struck on Win 2012.
CSCvb66368	After stopping the DB services, templates are not seen in the Configure->Templates->Deploy page
CSCvb70554	DCNM Connect:HDS - After LUN creation, initially shows generated name for LUN
CSCvb72289	DCNM Connect:HDS - Masking on HDS FCoE fails
CSCvb77026	if a native-ha primary servers heartbeat interface went down--both servers acting active permanently
CSCvb79263	DCNM Connect:EMC - VNX not masking Host in green field deployment
CSCvb80311	N9K 92160 - breakout port is "unknown" in DM, but up in webUI/CLI
CSCvb81557	N9K 9272Q /92160 - ArrayIndexOutOfBoundsException on vsan filtering in DM
CSCvb86024	DCNM Connect - Sometimes the newly masked entries are temporarily disappearing.

Caveat ID Number	Description
CSCvb87644	DCNM Connect:NetApp - Unable to mask multiple LUNs to same Host
CSCvc42926	DCNM WebUI Login Fails; an "Authentication Failure" error occurs.

Related Documentation

This chapter provides information about the documentation available for Cisco Data Center Network Manager (DCNM) and the platforms that Cisco DCNM manages, and includes the following sections:

Cisco DCNM Documentation Roadmap

This section describes and provides links to the user documentation available for Cisco Data Center Network Manager (DCNM), Release 10.4(2). To find a document online, use one of the links in this section

Table 15: Cisco DCNM 10.4(2) Documentation Roadmap

Document Title	Description
Cisco DCNM Release Notes, Release 10.4(2)	Provides information about the Cisco DCNM software release, open caveats and workaround information.
Cisco DCNM Fundamentals Guide, Release 10.4(2)	• Use Roles of Cisco DCNM • Features of Cisco DCNM Web Client • Descriptions of GUI and capabilities of Cisco DCNM-SAN. • Monitoring network and performance.
Cisco DCNM Online Help	Provides Cisco DCNM Web Client user interface and field descriptions.

Document Title	Description
Cisco DCNM Installation Guide, Release 10.4(2)	• System requirements. • Pre-installation tasks. • Installing Cisco DCNM. • Upgrading Cisco DCNM.
Cisco DCNM Licensing Guide, Release 10.x	Describes the procedure used to generate, install, and assign a Cisco Data Center Network Manager (DCNM) license.
Software Upgrade Matrix for Cisco DCNM	Lists the software upgrade paths that are supported for DCNM.
Cisco DCNM Compatibility Matrix, Release 10.4(2)	Lists the Cisco Nexus and the Cisco MDS platforms and their software releases that are compatible with Cisco DCNM.
Cisco DCNM API Reference	Provides information about the Media Controller APIs on Cisco DevNet.
Cisco Data Center Network Manager Open Source Licensing, Release 10.4(2)	Provides information about the Cisco Data Center Network Manager Open Source Licensing, Release 10.4(2).

Platform-Specific Documents

The documentation set for platform-specific documents that Cisco DCNM manages includes the following:

Cisco Nexus 1000V Series Switch Documentation

http://www.cisco.com/en/US/products/ps9902/tsd_products_support_series_home.html

Cisco Nexus 2000 Series Fabric Extender Documentation

http://www.cisco.com/en/US/products/ps10110/tsd_products_support_series_home.html

Cisco Nexus 3000 Series Switch Documentation

http://www.cisco.com/en/US/products/ps11541/tsd_products_support_series_home.html

Cisco Nexus 4000 Series Switch Documentation

http://www.cisco.com/en/US/products/ps10596/tsd_products_support_series_home.html

Cisco Nexus 5000 Series Switch Documentation

http://www.cisco.com/en/us/products/ps9670/tsd_products_support_series_home.html

Cisco Nexus 6000 Series Switch Documentation

http://www.cisco.com/en/US/partner/products/ps12806/tsd_products_support_general_information.html

Cisco Nexus 7000 Series Switch Documentation

http://www.cisco.com/en/US/products/ps9902/tsd_products_support_series_home.html

Cisco Nexus 9000 Series Switch Documentation

http://www.cisco.com/c/en/us/support/switches/nexus-9000-series-switches/
tsd-products-support-series-home.html

Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to:

dcnm-docfeedback@cisco.com.

We appreciate your feedback.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see What's New in Cisco Product Documentation.

To receive new and revised Cisco technical content directly to your desktop, you can subscribe to the What's New in Cisco Product Documentation RSS feed. RSS feeds are a free service.