



## **Cisco DCNM Release Notes, Release 10.2(1)**

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# CHAPTER 1

## Overview of Cisco DCNM

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://switching.cisco.com/data-center/dc-products/dcnm>.

Cisco DCNM, Release 10.2(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 [www.cisco.com/go/dcnm](http://www.cisco.com/go/dcnm) and click **Download Software**.

This document provides the Release Notes for Cisco DCNM, Release 10.2(1). Use this document in combination with the documents listed in [Related Documentation](#), on page 33.



### 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
May 2017	Published Release Notes for Cisco DCNM Release 10.2(1)





## System Requirements

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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 10.2\(1\), page 3](#)

## System Requirements for Cisco DCNM, Release 10.2(1)

### Java Requirements

The Cisco DCNM Server is distributed with JRE 1.8.0\_121 into the following directory:

`DCNM_root_directory/java/jre1.8`

### Server Requirements

Cisco DCNM Release 10.2(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 10.2(1) supports the following databases:

- Oracle 11g Express (XE), Standard, and Enterprise Editions, and Oracle 11g Real Application Clusters (RAC)
- PostgreSQL 9.4.5
- Oracle 12c Enterprise Edition (Conventional)–(nonpluggable installation)



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**Note** Cisco DCNM Release 10.2(1) does not support Oracle 12c pluggable database version installation.

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- Oracle 12c RAC (nonpluggable installation)



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**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.

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**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.

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Cisco DCNM Release 10.2.1 supports ISO installation onto bare-metal server [no hypervisor] on the following server platform:

- Cisco UCS C240M4 12G / 100G 4-CPU Cores with Cisco hardware RAID Controller [UCSC-MRAID12G-1GB/2GB] for RAID operation.

Cisco DCNM Release 10.2(1) supports the running of the Cisco DCNM server on the following hypervisors:

- VMware ESXi 5.5
- VMware ESXi 6.0
- VMware vCenter 5.5
- VMware vCenter 6.0



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

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



**Table 2: Server Resources for LAN/Programmable Fabric and SAN**

<b>LAN: 25 Switches and up to 1000 Ports SAN: 50 Switches and up to 2000 Ports</b>	<b>LAN: 100 Switches and up to 3000 Ports SAN: 200 Switches and up to 5000 Ports</b>	<b>LAN and SAN: 400+ nodes and 20000 ports</b>
2 CPU Cores 2GHZ (or faster) 2 VCPUs for ESXi or KVM, 2GHz (or faster)	4 CPU Cores 2GHZ (or faster) 4 VCPUs for ESXi or KVM, 2GHz (or faster)	4 CPU Cores 2GHZ (or faster) 4 VCPUs for ESXi or KVM, 2GHz (or faster)
8-GB memory, 80-GB free hard disk 2 servers or 2 VMs (ESXi or KVM), LAN/Programmable Fabric Native-HA or SAN federation	12-GB memory, 100-GB free hard disk 2 servers or 2 VMs (ESXi or KVM), LAN/Programmable Fabric Native-HA or SAN federation	12GB memory, 100-GB free hard disk 2 servers or 2 VMs (ESXi or KVM), LAN/Programmable Fabric Native-HA or SAN federation
PostgreSQL 9.4.5 [included], Oracle11g or Oracle 12c Standard or Enterprise	PostgreSQL 9.4.5 [included], Oracle11g or Oracle 12c Standard or Enterprise	Native-HA: PostGreSQL [Included with OVA/ISO, Oracle11g or Oracle 12c Standard or Enterprise with 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**

<b>Hardware</b>	<b>Minimum Requirements</b>
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 10.2(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

### Supported Web Browsers

Cisco DCNM supports the following web browsers:

- Mozilla Firefox Version 53.0 (32-bit or 64-bit)
- Microsoft Internet Explorer Version 11.0.9600.18617CO

### Other Supported Software

The following table lists other software supported by Cisco DCNM, Release 10.2(1).

Component	Minimum Requirements
Security	<ul style="list-style-type: none"> <li>• ACS versions 4.0, 5.1, and 5.5</li> <li>• Telnet Disabled: SSH Version 1, SSH Version 2, Global Enforce SNMP Privacy Encryption</li> <li>• Web Client and Cisco DCNM-SAN Server Encryption: HTTPS with TLS 1, 1.1 and 1.2</li> </ul>
DHCP Server	<ul style="list-style-type: none"> <li>• Cisco Network Registrar 8.2</li> </ul>
OVA/ISO Installers	CentOS 6.6

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



## New Features and Enhancements

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Cisco Data Center Network Manager (DCNM), Release 10.2(1) includes the new features, enhancements, and hardware support that are described in the following section:

- [New Features and Enhancements in Cisco DCNM, Release 10.2\(1\), page 7](#)
- [New Features and Enhancements in Cisco DCNM POAP Template Package Release 10.2\(1\)ST\(1\), page 12](#)

## New Features and Enhancements in Cisco DCNM, Release 10.2(1)

This section includes information about the new features, enhancements, and hardware support for Cisco DCNM, Release 10.2(1).

### Enhancements to Media Controller

The following are the enhancements that have been made to Media Controller in this release:

- **Bandwidth Tracking on Host-Facing Link**—The senders and receivers can connect to leaf switches of the Programmable Media Network (PMN) fabric. The sender initiates a multicast flow and the receiver subscribes to a multicast flow. Since multicast is used, multiple receivers can subscribe to a flow. Senders are devices such as cameras, microphones, playback devices, and so on. Receivers are devices such as video monitors, speakers, multiviewers, and so on. You can track the bandwidth on the host-facing link. Using the functionality, Cisco DCNM does not allow receivers to request for more flows or senders to send more flows than what the available bandwidth on the host-facing link will permit.
- **Topology Visualization**—Cisco DCNM 10.2(1) consists of a new scalable topology visualization GUI which shows details about the PNM Fabric, endpoints attached to the fabric, search-based querying based on Flow ID, and related health statistics.
- **PMN Endpoint Sender and Receiver Management**—Senders and receivers can connect to the leaf switches of the PMN Fabric. Senders initiate a multicast flow and receivers subscribe to a multicast flow. Cisco DCNM exposes the API for the registration of senders and receivers. Cisco DCNM also allows the senders and receivers to be validated or authenticated by the API users. A table lists all the current

registered senders and receivers, with information about flow instances. The Cisco DCNM GUI and REST APIs allow users to add additional metadata to the receiver and sender information, such as Camera-BXB or Camera-SJ, to aid easy mapping.

- **Flow Alias**—Using this functionality, you can specify names for multicast groups and flows. The multicast IP addresses are difficult to remember. Thus, by assigning a name to the multicast IP address, you can search and add policies based on the name.

You can configure a flow alias by choosing **Cisco Web Client > Media Controller > Flow Alias**.

To enable media controller on the Cisco DCNM Web Client, you must install Cisco DCNM in media-controller mode. See *Cisco DCNM Installation Guide, Release 10.2(1)* for more information.

You can monitor the devices by choosing **Cisco DCNM Web Client > Media Controller**.

## LAN Fabric Provisioning

In this release, Cisco DCNM provides a new wizard that enables you to deploy a network with ease. This feature provides simple network overlay provisioning for Cisco Nexus 9000 VXLAN EVPN LAN fabrics. This deploys the networks populated by the Cisco DCNM profile templates. To start, you need to select an existing fabric, or add a new fabric and then define Fabric Settings.

After you select or create a fabric, continue to the next step of selecting a network. You can also add a new network, or edit or delete an existing network. To access the LAN Fabric Provisioning feature, choose **Configure > LAN Fabric Provisioning > Network Deployment**.

## IPv6 Support

In this release, Cisco DCNM enables you to manage switches with either IPv4 or IPv6 management interfaces. Cisco DCNM Web access (Cisco DCNM management interface) supports only IPv4. The extended fabric interface (eth1) supports both IPv4 and IPv6. Cisco DCNM supports LAN switches with the IPv6 management interface, not for SAN switches. Also, Cisco DCNM OVA and ISO installations support the LAN switches with the IPv6 management interface. Windows and Linux installations do not support IPv6 management interface.

Cisco DCNM allows POAP to LAN switches with IPv4 only, but the switch definition allows the management interface to be configured with IPv6 address. After POAP is complete, if the switch management interface is configured with IPv6, then Cisco DCNM communicates with the switch via SNMP, SSH, NxAPI, syslog with IPv6. For Programmable Fabric, switch can also communicate to the LDAP on the Cisco DCNM server with IPv6.

## FEX Configuration

The Fabric Extender (FEX) feature allows you to manage a Cisco Nexus 2000 Series Fabric Extender and its association with the Cisco NX-OS switch that it is attached to. From Release 10.2(1), you can create or modify FEX for the LAN devices by choosing **Cisco DCNM Web Client > Inventory > Switches**. The FEX feature is available only on LAN devices. If a Cisco Nexus switch is discovered as part of the SAN fabric, the FEX feature will not be available. The FEX feature is also not supported on Cisco Nexus 1000V devices.

## Virtual Device Context (VDC)

From Cisco DCNM Release 10.2(1), you can create and manage VDCs by choosing **Cisco DCNM Web Client > Inventory > Switches > VDCs**. As Cisco DCNM supports Cisco Nexus 7000 Series only, click an active Cisco Nexus 7000 switch. After you create a VDC, you can change the interface allocation, VDC resource limits, and the high availability (HA) policies.

## Network Audit Reporting

Cisco DCNM 10.2(1) provides auditing for configuration change across network switches. You can get a report for all the configuration changes that take place on the devices in a data center.

You can generate an audit report for a given period. To generate reports using the Network Audit Config feature, a backup job should be scheduled for that device. The reports can also be exported to an HTML document. If real-time job is scheduled for the device, the audit will also show the mode through which configuration changes were made. The audit report uses color codes; green for new configurations, red for deleted configurations, and blue for changed configurations.

## VLAN Edit Support

Cisco DCNM 10.2(1) allows you to edit VLANs.

## Support for Additional Storage Devices in DCNM Connect

To expand additional storage coverage, Cisco DCNM includes Pure Storage and HDS storage in DCNM Connect. For storage array discovery, Cisco DCNM supports storage virtualization profiles for the IBM SAN Volume Controller (SVC).

## SNMP Poller Adjustment

Currently, performance polling interval is a 5-minute fixed interval for all the entities, except Inter-Switch Link (ISL). Cisco DCNM 10.2(1) provides the ability to adjust this interval to 10 minutes or 15 minutes. To configure the interval, choose **Administration > Performance Setup > Database** in the Cisco DCNM GUI.

## Enhancement to Multi Site Manager

In this release, Cisco DCNM provides top-level switch information per fabric instead of top level *Default SAN*. To access this feature, choose **Administration > DCNM Server > Multi Site Manager**.

## Monitoring Custom Port Groups

A custom port group is used in Cisco DCNM report and event forwarding. Cisco DCNM enables you to view custom port group and performance statistics. To access this feature, choose **Monitor > Custom Port Groups**.

## Slow Drain Enhancement

In Cisco DCNM 10.2(1), you can export slow drain analysis data to a CSV or an Excel file. The default file format for export is CSV. To export this data, choose **Monitor > SAN > Slow Drain Analysis**.

In addition, Cisco DCNM enables you to schedule a slow drain analysis job and send the result to an email.

In the Slow Drain Analysis window, an **Email To** (optional) field is available, which allows you to enter an email address. The report will be emailed to this configured email address after each job is complete.

For more information about this feature, see the [Web Client Online Help](#).

## Template Enhancement

In this release, the Cisco DCNM templates support IPv6.

## Endpoint Locator

The Endpoint Locator feature allows real-time tracking of endpoints within a data center. This includes tracing the life history of an endpoint as well as providing insights into the trends associated with endpoint additions, removals, moves, and so on.

With the Cisco DCNM OVA or ISO installation, the Cisco DCNM VM is deployed in two interfaces—eth0 for general access to Cisco DCNM, and eth1 interface that is used primarily for fabric management. In most deployments, the eth1 interface is a part of the same network on which the mgmt0 interfaces of the Nexus switches reside. This allows Cisco DCNM to perform out-of-band management of these devices, including out-of-band POAP. Since the Border Gateway Protocol (BGP) process on Nexus devices runs only on the nonmanagement VRF (specifically, default VRF), there is a requirement to have IP connectivity from the Cisco DCNM to the fabric through any of the devices using one of the front-panel interfaces. For this purpose, a third interface, ethx, is required on Cisco DCNM VM; this interface can provide inband connectivity to the network fabric. This is a prerequisite for enabling the Endpoint Locator feature. The addition of a new interface does not require a restart of the Cisco DCNM VM. After the virtual network interface card (vnic) is added to the Cisco DCNM VM, the corresponding veth interface is created and is displayed in the CentOS VM on which Cisco DCNM runs, as an ethx interface.

**High Availability with Endpoint Locator**—The Endpoint Locator feature, along with its key components, runs only on the active Cisco DCNM. However, the search process also runs on the standby Cisco DCNM so that all the endpoint data and associated events are always synchronized between the active and standby Cisco DCNMs. This way, during a switchover, the data is already available on the newly active Cisco DCNM. In addition, the Endpoint Locator also allows a standby Cisco DCNM to be added in locations where there is only a single Cisco DCNM instance running with EPL enabled and subsequently a standby is added at a later stage.

A third interface is required when inband management is used for a fabric via the eth1 interface. This ensures that the management interface used by Cisco DCNM for managing the devices, and potentially for POAP too, should not have any dependency on the interface through which EPL BGP peering occurs.

After physical connectivity is established between Cisco DCNM and the fabric through a switch's front-panel interface, the configurations should be performed on the respective switches and Cisco DCNM.

The Endpoint Locator supports the following features:

- Support for a BGP EVPN fabric (Cisco Nexus 9000, Cisco Nexus 5600 Series as leafs)

- Support for a L3VPN or DFA fabric (Cisco Nexus 5600 Series, Cisco Nexus 6000 as leafs)
- Support for dual-homed endpoints
- Support for dual-stack endpoints
- Supports up to 2 BGP route reflectors (Nexus 9000, Nexus 7000, Nexus 5600, Nexus 6000)
- Support for the Endpoint Locator feature with and without NX-API (to gather additional information such as port, VLAN and so on)
- Support for auto configuration of the fabric to enable the Endpoint Locator feature when Cisco DCNM is directly attached to a leaf or top-of-rack (ToR) in a fabric
- Support of the Endpoint Locator feature when Cisco DCNM is not directly attached to a ToR or leaf in a fabric
- Support for optional flush of the endpoint data to start afresh
- Support for real-time and historical dashboards
- Support for views with operational and exploratory insights such as endpoint lifetime, network, endpoint, VRF daily views, and operational heat map
- Support for full high availability
- Support for endpoint data stored for up to 180 days, amounting to a maximum of 5 G storage space
- Supported scale: 10000 endpoints

## VXLAN EVPN IR

In the General and LAN Fabrics screens (**Web Client > LAN Fabric Settings**), the user can select which replication mode (Ingress Replication or Multicast Replication) is used to handle BUM traffic for the VxLAN EVPN fabric. IR and multicast routing are mutually exclusive. If IR is selected, Cisco DCNM allows only IR-based profiles. Cisco DCNM will also add appropriate IR configurations in the leaf templates and will not show multicast configurations.

## New Hardware Support

The following is a list of hardware supported in Cisco DCNM Release 10.2(1).

Hardware Description	Part Number
Cisco MDS 9700 48-Port 32-Gbps Fibre Channel Switching Module	DS-X9648-1536K9
Nexus 9300 with 24p 40/50G QSFP+ and 6p 40G/100G QSFP28	N9K-C93180LC-EX
New fabric module for the Cisco Nexus 9516 Switch chassis	N9K-C9516-FM-E
40/100G Ethernet Module for for Nexus 9500 series chassis	N9K-X9736C-EX
N9K-C92300YC-FixedModule	N9K-C92300YC

Hardware Description	Part Number
48-port 1/10/25 Gigabit Ethernet SFP+ and 4-port 40/100 Gigabit Ethernet QSFP line card	N9K-X97160YC-EX
Nexus N9K-C9232C Series fixed module with 32x40G/100G	N9K-C9232C
Cisco Nexus 2348TQ-E 10GE Fabric Extender	

## New Features and Enhancements in Cisco DCNM POAP Template Package Release 10.2(1)ST(1)

Cisco DCNM POAP Template Package Release 10.2(1)ST(1) is a template package (.zip) file release.

You can download the Cisco-defined templates from <https://software.cisco.com/download/release.html>.



### Note

Cisco DCNM POAP Template Package Release 10.2(1)ST(1) only works with Cisco DCNM 10.2.1 and later releases. It is not backward compatible with previous Cisco DCNM releases.

Cisco DCNM POAP Template Package Release 10.2(1)ST(1), includes the new features, enhancements, that are described in the section:

### IPv6 for Management Interface

Cisco DCNM POAP Template Package Release 10.2(1)ST(1) POAP templates allow IPv6 to be configured for the management interface. IPv6 can be configured for AAA, DNS, LDAP, NTP, SNMP and SYSLOG servers.

### Ingress Replication

In the General and LAN Fabrics screens (**Web Client > LAN Fabric Settings**), Ingress Replication can be selected for handling BUM traffic for a VxLAN EVPN fabric. Corresponding IR-based profiles are added. When Ingress Replication is selected for the fabric, all multicast fields will be greyed out from POAP configuration and no multicast configuration will be added to the device.

### Support for 9216 Jumbo Frames for Nexus 7000 and Nexus 9000 Templates

Cisco DCNM POAP Template Package Release 10.2(1)ST(1) supports jumbo frames (up to 9216 bytes) for Nexus 7000 and Nexus 9000 templates.





## Upgrading Cisco DCNM

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This chapter provides information about upgrading Cisco DCNM, and contains the following section:

- [Upgrading Cisco DCNM, page 13](#)

### Upgrading Cisco DCNM

You can upgrade the following versions of Cisco DCNM directly to Cisco DCNM 10.2(1).

- Cisco DCNM 10.0(1)
- Cisco DCNM 10.1(1)
- Cisco DCNM 10.1(2)

For more information about upgrading, see the "Upgrading Cisco DCNM" section of the *Cisco DCNM Installation Guide, Release 10.2(1)* at:

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





## Supported Cisco Platforms and Software Versions

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For information about the software platforms and versions that the Cisco Data Center Network Manager (DCNM) Release 10.2(1) supports, see the [Cisco DCNM Compatibility Matrix, Release 10.2\(1\)](#).



**Note**

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

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CHAPTER

6

## Supported Hardware

This chapter contains information about the products and components supported in Cisco Prime DCNM Release 10.2(1).

- [Hardware Supported in Cisco DCNM, Release 10.2\(1\), page 17](#)

## Hardware Supported in Cisco DCNM, Release 10.2(1)

The following tables list the products and components supported in Cisco DCNM, Release 10.2(1).

**Table 5: Cisco MDS 9000 Family**

Product/Component	Part Number
Cisco MDS 9700 48-Port 32-Gbps Fibre Channel Switching Module	DS-X9648-1536K9
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

<b>Product/Component</b>	<b>Part Number</b>
Cisco MDS 9718 Multilayer Director	DS-C9718
Cisco MDS 9000 32-Port 2-Gbps Fibre Channel Switching Module	DS-X9032
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

Product/Component	Part Number
Cisco MDS 9500 Series Supervisor-2 Module	DS-X9530-SF2-K9
Cisco MDS 9500 Series Supervisor-2A Module	DS-X9530-SF2A-K9
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 6: Cisco Nexus 9000 Series Switches**

Product/Component	Part Number
<b>Cisco Nexus 9000 Series Switches</b>	
Nexus 9K Fixed with 48p 10G BASE-T and 6p 40G/100G QSFP28	N9K-C93108TC-EX
N9K-C92300YC-FixedModule	N9K-C92300YC
48-port 1/10/25 Gigabit Ethernet SFP+ and 4-port 40/100 Gigabit Ethernet QSFP line card	N9K-X97160YC-EX
Nexus N9K-C9232C Series fixed module with 32x40G/100G	N9K-C9232C
Nexus 9K Fixed with 48p 1/10G/25G SFP+ and 6p 40G/100G QSFP28	N9K-C93180YC-EX
<b>Cisco Nexus 9000 Series 40GE Modules</b>	
N9K 32p 40G Ethernet Module	N9K-X9432PQ
36p 40G Ethernet Module	N9K-X9636PQ
<b>Cisco Nexus 9000 Series 10GE Fiber and Copper Modules</b>	
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

Product/Component	Part Number
<b>Cisco Nexus 9000 Series GEM Module</b>	
N9K 40G Ethernet Expansion Module	N9K-M12PQ
N9K 40G Ethernet Expansion Module	N9K-M6PQ
<b>Cisco Nexus 9200 Switches</b>	
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
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
<b>Cisco Nexus 9300 Fixed Switches</b>	
Nexus 9300 with 24p 40/50G QSFP+ and 6p 40G/100G QSFP28	N9K-C93180LC-EX
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
<b>Cisco Nexus 9500 Modular Chassis</b>	
New fabric module for the Cisco Nexus 9516 Switch chassis	N9K-C9516-FM-E



Product/Component	Part Number
40/100G Ethernet Module for for Nexus 9500 series chassis	N9K-X9736C-EX
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
<b>Cisco Nexus 9500 Fabric Modules</b>	
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
Fabric Module for Nexus 9508 chassis 100G support, NX-OS only	N9K-C9508-FM-S

**Table 7: Cisco Nexus 7000 Series Switches**

Product/Component	Part Number
<b>Supported Chassis</b>	
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

<b>Product/Component</b>	<b>Part Number</b>
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
<b>Supported Supervisor</b>	
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
<b>Supported F Line Cards</b>	
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
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
<b>Supported M Line Cards</b>	
8-port 10-Gigabit Ethernet Module with XL Option (requires X2)	N7K-M108X2-12L

Product/Component	Part Number
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 8: Cisco Nexus 6000 Series Switches**

Product/Component	Part Number
N6004X/5696 chassis <b>Note</b> 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 9: 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

Product/Component	Part Number
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
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 10: 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 11: 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 12: 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

<b>Product/Component</b>	<b>Part Number</b>
Cisco Nexus 2348TQ-E 10GE Fabric Extender	

**Table 13: Cisco Nexus 1000V Series Switch**

<b>Product/Component</b>	<b>Part Number</b>
Cisco Nexus 1110-S Virtual Services Appliance	N1K-1110-S
Cisco Nexus 1110-X Virtual Services Appliance	N1K-1110-X



## Caveats

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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 10.2\(1\), page 27](#)
- [Cisco DCNM POAP Template Package Release 10.2\(1\)ST\(1\), page 30](#)

## Cisco DCNM, Release 10.2(1)

### Resolved Caveats

The following table lists the Resolved bugs for Cisco DCNM, Release 10.2(1).

Caveat ID Number	Description
<a href="#">CSCuz30546</a>	SAN reports missing from the View page on upgraded an setup.
<a href="#">CSCuz35043</a>	The select/clear all check box is not working properly under networks.
<a href="#">CSCuz35483</a>	UI grayed out after adding a network without any Org or Parts.
<a href="#">CSCuz40448</a>	NVT: RP Array in Nexus 9000 spine template is not reflecting the change.
<a href="#">CSCuz45124</a>	Spine hostname and interface tab info are missing in POAP definitions
<a href="#">CSCuz45415</a>	OVA upgrade: The "error: cannot contact server\" apperas on localtime for standby DCNM.
<a href="#">CSCuz50440</a>	Patch: After removal of patch, unable to log in to DCNM due to authentication failure.
<a href="#">CSCuz52758</a>	DCNM (10.0): OU_BASE missing on templates after upgrade
<a href="#">CSCuz55165</a>	Dashboard > Compute/Storage topology print/export function not working.
<a href="#">CSCuz56719</a>	Custom report generation using Visio topology throws an exception.
<a href="#">CSCuz60513</a>	DCNM 10.0(1): Import template does not set POAP and Publish options.
<a href="#">CSCuz76124</a>	DCNM-10.0: Deleting the template from GUI does not remove it from the file system.
<a href="#">CSCuz79229</a>	Boolean Mandatory values show red (mandatory) asterisk next to check box.
<a href="#">CSCuz99974</a>	DCNM DB lost during upgrade with non-default install location
<a href="#">CSCva11032</a>	Upgrade from 7.2(3) to 10.x with postgres will fail on RHEL 6.4
<a href="#">CSCva89188</a>	Duplicated TFTP process in HA; service fails
<a href="#">CSCvb58434</a>	From the DCNM <Installdir>/dcm/dcnm/bin after running dcnm-log-capture script, the script is stopping at collecting database backup.
<a href="#">CSCvb79263</a>	VNX not masking Host in green field deployment
<a href="#">CSCvb80311</a>	Nexus 9000: 92160 - breakout port is "unknown" in DM, but up in webUI/CLI
<a href="#">CSCvb81557</a>	VSAN filter issue in Cisco Device Manager.
<a href="#">CSCvb86024</a>	DCNM Connect - Sometimes the newly masked entries are temporarily disappearing.
<a href="#">CSCvc42926</a>	The DCNM WebUI login fails. The "Authentication Failure" message appears.



Caveat ID Number	Description
<a href="#">CSCvc42926</a>	DCNM WebUI Login Fails; an "Authentication Failure" error occurs.
<a href="#">CSCvc83537</a>	Network profiles' DHCP IP range missing after upgrade from release 10.0.1
<a href="#">CSCvc86730</a>	The VOAP of Nexus 7000 VDC fails to start, and an error message appears.
<a href="#">CSCvc95314</a>	Entering previously used BGP ASN creates conf file in DCNM server unnecessarily.
<a href="#">CSCvd37892</a>	Performance collection not showing correct data.

## Open Caveats

The following table lists the Open bugs for Cisco DCNM, Release 10.2(1).

Caveat ID Number	Description
<a href="#">CSCvc00044</a>	Cisco DCNM managing the a scale-setup (50+) with performance monitoring and EPL enabled, may become inactive.
<a href="#">CSCvd24078</a>	Unable to add/register DCNM with 10.1.1 / 10.1.2 / 10.0.1 CCO build in the Multi Site Manager page (Administration / DCNM Server / Multi Site Manager).
<a href="#">CSCvd50033</a>	The Endpoint Activities page becomes untidy after switching between the history and activities pages.
<a href="#">CSCvd53646</a>	Memory error occurs while creating a network.
<a href="#">CSCvd63073</a>	No support for FEX on breakout ports on Cisco Nexus 9000 switches; this needs to be updated in documentation.
<a href="#">CSCvd65919</a>	EPL: After rebooting vPC active, the port value changes to "vPC Peer-link"
<a href="#">CSCvd73750</a>	Performance data is not shown for HIF interfaces.
<a href="#">CSCvd73971</a>	Endpoint Locator: The end-hosts take a while to get learnt on the Endpoint Activity Page.
<a href="#">CSCvd96558</a>	Endpoint Locator: Visualize Response Timeout after 30000ms seen intermittently.
<a href="#">CSCvd99191</a>	Scale Setup:Real time jobs are not performed for devices.
<a href="#">CSCvd99414</a>	Users should be notified that DCNM is loading selected device for the backup job.

Caveat ID Number	Description
<a href="#">CSCve06563</a>	The <b>appmgr restore all</b> command is not restoring the webUI Media Controller menus.
<a href="#">CSCve09644</a>	SFTP IP reverted from eth0 back to eth1 IP after an upgrade.
<a href="#">CSCve14402</a>	The voap.py script is getting replaced with the file that is there in backup file with upgrade.
<a href="#">CSCve14615</a>	AMQP service is stopping even if started manually after running the <b>appmgr restore all</b> command.
<a href="#">CSCve22551</a>	The template does not throw any validation error when "}" is not provided.
<a href="#">CSCve23430</a>	During Cisco DCNM configuration with EPL, create swap space of about 1 Gig.
<a href="#">CSCve23474</a>	The Endpoint Locator Activity shows error when you select any value from the drop down list of EPL history.
<a href="#">CSCve25318</a>	Endpoint Locator: The Download Raw feature failed to download endpoints when you use the Internet Explorer browser.
<a href="#">CSCvf46667</a>	The Partitions drop-down options are not sorted in the Configure > LAN Fabric Auto-Configuration > Networks list screen.
<a href="#">CSCvf66656</a>	Unable to start the Endpoint Locator feature for fabric switch sending color characters

## Cisco DCNM POAP Template Package Release 10.2(1)ST(1)

### Resolved Caveats

The following table lists the Resolved bugs for Cisco DCNM POAP Template Package Release 10.2(1)ST(1).

Caveat ID Number	Description
<a href="#">CSCvd84160</a>	Replacing tab name from Multicast to BUM Replication.
<a href="#">CSCvd87988</a>	POAP template changes for top down provisioning.
<a href="#">CSCve16229</a>	Nexus 7000 POAP templates do not support the Secure LDAP option.
<a href="#">CSCvc51962</a>	POAP Deploy without admin user creates lock out scenario on Nexus.

## Open Caveats

The following table lists the Open bugs for Cisco DCNM POAP Template Package Release 10.2(1)ST(1).

Caveat ID Number	Description
<a href="#">CSCve10706</a>	Default Host VLANs field set to allowed-vlan None for host interfaces in top-down fabric
<a href="#">CSCve34502</a>	Configured values are wiped out during edit POAP in multi fabric POD.
<a href="#">CSCvd66289</a>	BUM Replication tab shows an Anycast RP Address from the General Settings for IR fabric.
<a href="#">CSCve43806</a>	Nexus 9500 with N9K-C9504-FM-E modules are powered off after POAP with IPFabric_N9K_Leaf template





## Related Documentation

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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](#), page 33
- [Platform-Specific Documents](#), page 33
- [Documentation Feedback](#), page 34
- [Obtaining Documentation and Submitting a Service Request](#), page 34

## Cisco DCNM Documentation

Cisco DCNM documentation is available at:

<http://www.cisco.com/c/en/us/support/cloud-systems-management/prime-data-center-network-manager/tsd-products-support-series-home.html>

The Readme file for the Cisco DCNM POAP Template Package Release 10.2(1)ST(1) is available at:

[https://software.cisco.com/download/release.html?mdfid=281722751&softwareid=282088134&release=10.2\(1\)&releind=AVAILABLE&rellifecycle=&reltype=latest&i=m](https://software.cisco.com/download/release.html?mdfid=281722751&softwareid=282088134&release=10.2(1)&releind=AVAILABLE&rellifecycle=&reltype=latest&i=m)

## 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](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](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](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](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](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](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](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](mailto: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.