



Cisco DCNM Release Notes, Release 11.5(3)

First Published: 2021-08-31

Last Modified: 2021-12-22

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CHAPTER 1

Overview

- [Overview, on page 1](#)

Overview

Cisco Data Center Network Manager (DCNM) is the comprehensive management solution for all NX-OS deployments spanning LAN Fabric, SAN, and IP Fabric for Media (IPFM) networks in data centers powered by Cisco. DCNM 11 automates Cisco MDS Switches and Cisco Nexus Family infrastructure, for data center management across Cisco Nexus 1000, 2000, 3000, 5000, 6000, 7000, and 9000 Series Switches in NX-OS mode. From Release 11.3(1), Cisco DCNM also supports non-Nexus devices, such as, IOS-XE, IOS-XR, and non-Cisco devices. DCNM 11 being a multi-fabric controller, it lets you manage many devices both legacy and new age fabric deployments simultaneously, while providing ready-to-use control, management, and automation capabilities for all these environments.

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



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DCNM Release 11.5(3) supports LAN Fabric deployment only. For information about bugs fixed in this release, see [Caveats, on page 21](#).



Note Cisco DCNM Release 11.5(3) does not support installation or upgrading DCNM Media Controller (IPFM) and SAN deployments.

To download the Cisco DCNM software, go to [Cisco DCNM Software Download](#), click **Download Software**.

This document provides the Release Notes for Cisco DCNM, Release 11.5(3). Use this document with the documents that are listed in the [Related Documentation, on page 25](#).

The following table shows the change history for this document.

Table 1: Change History

Date	Description
22 December 2021	Added Software Maintenance Update for log4j2 Vulnerability
09 September 2021	Published Release Notes for Cisco DCNM Release 11.5(3)



CHAPTER 2

System Requirements

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

- [System Requirements, on page 3](#)

System Requirements

This section describes the various system requirements for proper functioning of your Cisco DCNM Release 11.5(3).



Note We recommend that you do not upgrade any underlying third-party software separately. All the necessary software components will be updated during the inline upgrade procedure. Upgrading the components outside of DCNM upgrade causes performance issues.

- [Java Requirements, on page 4](#)
- [Server Requirements, on page 4](#)
- [Supported Latency](#)
- [Database Requirements, on page 4](#)
- [Hypervisors, on page 4](#)
- [Server Resource \(CPU/Memory\) Requirements, on page 5](#)
- [Cisco DCNM LAN Fabric Deployment Without Network Insights \(NI\)](#)
- [VMware Snapshot Support for Cisco DCNM, on page 7](#)
- [Supported Web Browsers, on page 8](#)
- [Other Supported Software, on page 9](#)



Note If you are deploying Network Insights applications on the Cisco DCNM Compute cluster, refer to the app-specific release notes for additional CPU or memory requirements for Computes.

Java Requirements

The Cisco DCNM server is distributed with JDK 11.0.8 into the following directory:

```
DCNM_root_directory/java/jdk11
```

Server Requirements

Cisco DCNM Release 11.5(3), supports the Cisco DCNM server on these 64-bit operating systems:

- **LAN Fabric Deployments:**
 - Open Virtual Appliance (OVA) with an integrated CentOS Linux release 7.8
 - ISO Virtual Appliance (ISO) with an integrated CentOS Linux release 7.8

Supported Latency

The supported latency for Cisco DCNM LAN FabricMedia Controller deployment is defined below:

- Between Native HA Primary and Secondary appliances, latency is 50ms.
- Between DCNM Native HA Primary appliance to Switches, latency is 50ms.
- Between DCNM Computes latency is 50ms.

Database Requirements

Cisco DCNM Release 11.5(3) supports the following databases:

- PostgreSQL 10.15 - For OVA/ISO deployments



Note The ISO and OVA installations support only the embedded PostgreSQL database.

Hypervisors

Cisco DCNM supports the ISO installation on a bare-metal server, no hypervisor, on the following server platforms:

Server	Product ID (PID)	Recommended minimum memory, drive capacity, and CPU count ^{1 2}
Cisco UCS C240M4	UCSC-C240-M4S	32G / 500G 16 vCPUs
Cisco UCS C240M4	UCSC-C240-M4L	32G / 500G 16 vCPUs

Server	Product ID (PID)	Recommended minimum memory, drive capacity, and CPU count ^{1 2}
Cisco UCS C240 M5S	UCSC-C240-M5SX	32G / 500G 16 vCPUs
Cisco UCS C220 M5L	UCSC-C220-M5L	32G / 500G 16 vCPUs

¹ Install the Cisco DCNM Compute node with 16 vCPUs, 64G RAM, and 500GB hard disk.

² If you are deploying Network Insights applications on the Cisco DCNM Compute cluster, refer to the app-specific Release Notes for additional CPU/memory requirements for the Computes.



Note Cisco DCNM can work on an alternative computing hardware with appropriate specifications, despite Cisco is only testing on Cisco UCS.

Supported Hypervisors

You can use the Cisco DCNM Server on the following hypervisors:

Hypervisor supported	Data Center Manager server application	Supported deployments
ESXi 7.0	vCenter 7.0	All
ESXi 6.7 P01	vCenter 6.7 P01	All
ESXi 6.5	vCenter 6.5	All
ESXi 6.0	vCenter 6.0	All
RedHat 7.6 KVM with QEMU version 1.5.3	Virtual Machine Manager (comes with RHEL 7.6)	LAN Fabric
Hyper-V on Windows Server 2019	Hyper-V Manager (comes with Windows Server 2019)	LAN Fabric This is supported with Native HA mode, and not in Cluster mode.

Server Resource (CPU/Memory) Requirements



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

Table 2: System Requirements for Cisco DCNM LAN Fabric Deployment

Deployment Type	Small (Lab or POC)	Large (Production)	Compute for 81-350 switches scale (without Network Insights)	Compute for up to 80 switches (with Network Insights)
OVA/ISO	CPU: 8 vCPUs RAM: 24 GB DISK: 500 GB	CPU: 16 vCPUs RAM: 32 GB DISK: 500 GB	CPU: 16 vCPUs RAM: 64 GB DISK: 500 GB	CPU: 32 vCPUs RAM: 64 GB DISK: 500 GB

If the existing Elasticsearch database is more than 250GB, Cisco DCNM Server requires more than 500GB HDD space to complete reindexing.

Allocate sufficient disk space to the root partition to complete DCNM installation and for stable continuous operation of the DCNM applications. Refer to the applications' User guides for disk space requirements. You can mount another disk where the `/tmp` directory can be mounted during the installation or upgrade. You can also add additional disk space and the disk file system using `appmgr system scan-disks-and-extend-fs` command.

Cisco DCNM LAN Fabric Deployment Without Network Insights (NI)



Note Refer to *Network Insights User guide* for sizing information for Cisco DCNM LAN Deployment with Network Insights (NI).

To see the verified scale limits for Cisco DCNM 11.5(1) for managing LAN Fabric deployments, see *Verified Scale Limits for Cisco DCNM*.

Table 3: Upto 80 Switches

Node	CPU Deployment Mode	CPU	Memory	Storage	Network
DCNM	OVA/ISO	16 vCPUs	32G	500G HDD	3xNIC
Computes	NA	—	—	—	—

Table 4: 81–350 Switches

Node	CPU Deployment Mode	CPU	Memory	Storage	Network
DCNM	OVA/ISO	16 vCPUs	32G	500G HDD	3xNIC
Computes	OVA/ISO	16 vCPUs	64G	500G HDD	3xNIC

VMware Snapshot Support for Cisco DCNM

Snapshots capture the entire state of the virtual machine at the time you take the snapshot. You can take a snapshot when a virtual machine is powered on, powered off. The following table shows snapshot support for your deployment.

VMware vSphere Hypervisor (ESXi)	6.0	6.5	6.7	6.7 P01	7.0
VMware vCenter Server	6.0	6.5	6.7	6.7 P01	7.0



Note You need VMware vCenter server to deploy Cisco DCNM OVA Installer. However, to install DCNM directly on VMware ESXi without vCenter, you can choose DCNM ISO deployment. Ensure that correct CPU, Memory, Disk, and NIC resources are allocated to that VM.

To take a snapshot on the VM, perform the following steps:

1. Right-click the virtual machine in the inventory and select **Snapshots > Take Snapshot**.
2. In the **Take Snapshot** dialog box, enter a name and description for the snapshot.
3. Click **OK** to save the snapshot.

The following snapshots are available for VMs.

- When VM is powered off.
- When VM is powered on, and active.



Note Cisco DCNM supports snapshots when VM is either powered on or powered off. DCNM doesn't support snapshots when the Virtual Machine memory option is selected.

Ensure that **Snapshot the Virtual Machine's memory** check box must not be selected, as shown in the following figure. However, it is grayed out when the VM is powered off.

Take Snapshot | dcnm-va.11.X.1 ×

Name VM Snapshot taken powered on 12/8/2019,

Description

Snapshot the virtual machine's memory

Quiesce guest file system (Needs VMware Tools installed)

CANCEL OK

You can restore VM to the state in a Snapshot.

Manage Snapshots | dcnm1111 ×

- ▼ dcnm1111
 - ▼ VM Snapshot 12%252f12%252f2019, 11:56:07 AM
 - ▼ 1131 Snapshot 12%252f12%252f2019, 3:04:31 PM
 - ▼ VM Snapshot 12%252f16%252f2019, 6:55:02
 - 📍 You are here

Name	VM Snapshot 12%252f16%252f2019, 6:55:02 AM
Created	12/15/2019, 11:55:31 PM
Disk usage	510.03 MB
Snapshot the virtual machine's memory	No
Quiesce guest file system	No

EDIT

DELETE ALL DELETE REVERT TO

DONE

Right-click on the Virtual Machine and select **Manage Snapshot**. Select the snapshot to restore, and click **Done**.

Supported Web Browsers

Cisco DCNM supports the following web browsers:

- Google Chrome version: 86.0.4240.198
- Mozilla Firefox version: 82.0.3 (64-bit)
- Microsoft Edge version: 86.0.622.63

Other Supported Software

The following table lists the other software that is supported by Cisco DCNM Release 11.5(1).

Table 5: Other Supported Software

Component	Features
Security	<ul style="list-style-type: none">• ACS versions 4.0, 5.1, 5.5, and 5.8• ISE version 2.6• ISE version 3.0• 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• TLS 1.3
OVA/ISO Installers	CentOS 7.8/Linux Kernel 3.10.x

Also, Cisco DCNM supports call-home events, fabric change events, and events that are forwarded by traps and email.



CHAPTER 3

Guidelines and Limitations

- [Guidelines and Limitations, on page 11](#)
- [Checking TPM Partition before Converting DCNM-SE to Nexus Dashboard, on page 14](#)

Guidelines and Limitations

- Ensure that you have installed Visual C++ Redistributable Packages for Visual Studio 2013 64 bit before installing or upgrading to Cisco DCNM Release 11.4(1).
- To check the status of the running Postgres database in Native HA setup, use **pg_ctl** command. Do not use the **systemctl** command.
- Do not begin the password with Hash (#) symbol. Cisco DCNM considers the password as an encrypted text if it begins with # symbol.
- Restoring DCNM with changes in IP addresses is not supported.

- **POAP Dynamic Breakout**—From Cisco NX-OS Release 7.0(3)I4(1), POAP dynamically breaks out ports to detect a DHCP server behind one of the broken-out ports. Previously, the DHCP server that is used for POAP was directly connected to a normal cable as the breakout cables were not supported. POAP determines which breakout map (for example, 10gx4, 50gx2, 25gx4, or 10gx2) brings up the link that is connected to the DHCP server. If breakout is not supported on any of the ports, POAP skips the dynamic breakout process. After the breakout loop completes, POAP proceeds with the DHCP discovery phase as normal.

Cisco DCNM leverages the dynamic breakout to simplify the fabric setup by retaining successful breakout configuration. Since dynamic breakout requires the other side of the link to be active, there are circumstances where you must manually breakout interfaces, or may notice breakout in places which are not desired. In those situations, you must adjust the ports on the Interfaces page before performing Save and Deploy in the Fabric Builder.

- Before using the licensed features, install a Cisco DCNM license for each Nexus-managed or MDS-managed platform. For information about licensing, see the [Cisco DCNM Licensing Guide, Release 11.x](#).
- Create a free-form configuration on all the white box switches that are managed by Cisco DCNM as shown below, and deploy them on all the switches before the final Save and Deploy operation.

```
line console
speed 115200
stopbits 2
```

This is only applicable to the Cisco DCNM LAN Fabric mode.

- On Microsoft Windows 2016 Standard server, run the Cisco DCNM installation EXE file as an administrator. Cisco DCNM installation will not start on Microsoft Windows 2016 Standard server unless you set the EXE file as an administrator. To start the installation EXE file, you can right-click on the EXE file, and choose **Run as administrator**.
- When the Cisco Nexus 9000v Virtual Switches are cloned, they may use the same serial number. Since Cisco DCNM discovers them using the same serial number, the device discovery operation fails.
- You cannot access the Cisco DCNM Web UI, when the user system is configured with the same IP address range as that of internal subnet used by the Application Framework in DCNM. For more information, see *Cisco DCNM Troubleshooting Guide*.
- Though you can delete PMN hosts, we recommended that you use this option with extreme caution, understanding that manual effort is needed to bring the solution back in sync.
- Cisco DCNM in Media Controller Deployment Release 11.x does not support non-default VRFs for Cisco Nexus 9000 Release 9.3(x).
- Cisco DCNM does not support suspending or unsuspending of the VMs.
- If NIR was installed and stopped, it does not stop service containers running on DCNM compute nodes. If the NIR application is deleted from DCNM, a few service containers continue to run DCNM compute nodes and must be stopped manually using **afw service** commands.
- When NIR/NIA applications is enabled at higher scale, that is, with 250 switches and 10000 Hardware telemetry flows, DCNM Computes nodes must be connected on all eth0, eth1, and eth2 interfaces using a 10Gig link.
- For leaf-leaf ports in non-VPC cases, DCNM will always push the **shutdown** command. If you want to bring up the port, add the **no cdp enable** command to the interface freeform policy on one of the ports. For leaf-leaf or border-border connected ports in non-VPC cases, DCNM will always push the **shutdown** command to avoid the potential of loops in a VXLAN EVPN fabric. To bring up the port, add **no cdp enable** command to the interface freeform policy on one of the ports. Consequently, the link will however not be discovered and consequently not show up in the topology but the interfaces will still be up.
- Two-factor authentication is not supported in DCNM.
- After the eth0 IP address (for standalone deployment) or the vip0 IP address (for Native HA deployment) is modified using the **appmgr update network-properties** command, on the **Web UI > Administration > MultiSite Manager** does not display the correct IP address for AMQP.
- When a Nexus Dashboard server is adding a Site from DCNM 11.5(1), it must reach the DCNM server over the Data Network. DCNM Data Network connectivity is defined to be over eth2 interface of the DCNM server; also known as Inband Connectivity interface in DCNM. When the eth2 connectivity of the DCNM with the Data Network Connectivity of the Nexus Dashboard is spanning multiple subnets, that is, when they are Layer3 Route connected, you must add routes in DCNM before adding the Site on ND. To add route over the Inband Network in DCNM, on the Cisco DCNM Web UI, choose **Administration > Customzation > Network Preferences**. Enter the Routes to the ND Data Network over the In-band(eth2) inputs of the dashlet. For more information, see [Network Preferences-Routes](#).
- From Release 11.4(1), Cisco DCNM does not support syncing fabric with switches in VTP server mode. For more information, refer to [CSCvx86976](#).

- While upgrading from DCNM Release 11.5(1) to Release 11.5(4), if you try to retain when the CA-signed certificates, DCNM fails to launch. For more information, see [CSCwb97942](#).
- In a DCNM managed by NDO, the MSD fabric backup is not restored completely. The MSD fabric is reverted to the time where the deployed networks created on NDO are not yet available. While the fabric shows as in sync in DCNM, there will be no configuration drift notifications in NDO.
- In Cisco DCNM SAN deployment, if the DCNM server streaming the SAN analytics is over-utilized, the Elasticsearch database service goes down. This results in performance issues. The Pipeline service may be consuming all the CPU and system resources on the Cisco DCNM server. To troubleshoot this, do the following task:
 1. Stop the Pipeline service.
 2. Reduce the streaming load from the MDS fabric.
 3. Start Elasticsearch service.
 4. Start the Pipeline service.
- From Cisco DCNM Release 11.5(2), VLAN range is extended. After patch update for LAN Fabric deployment, you can set VLAN range to 4094.
- In Cisco DCNM SAN deployment, when you enable or disable alarms on a Primary node, it will not be applied to all the nodes in the Federation. You must manually enable or disable alarms on all nodes on all servers in the Federation setup. You must restart the DCNM Server to apply the changes.
- In Cisco DCNM SAN deployment, when you modify the server properties on Cisco DCNM **Web UI > Administration > DCNM Server > Server Properties** on a Primary node, it will not be applied to all the nodes in the Federation. You must manually make the changes to the server properties on all nodes on all servers in the Federation setup. You must restart the DCNM Server to apply the changes.
- SAN Insights is best supported on Linux from Release 11.0(1), and on Cisco DCNM OVA/ISO deployments from Release 11.3(1).
- From Cisco DCNM Release 11.3(1), you cannot download the SAN Client package from the Software Downloads page. You must install Cisco DCNM, launch Web UI to download the SAN Client and Device Manager. For more information, *Cisco DCNM Installation and Upgrade Guide for SAN Deployment*.
- In Releases prior to 11.4, if you have installed a preview feature, perform the following before you upgrade to Release 11.4(1):
 - Remove the configuration from older release setup.
 - Reset the property to enable the preview feature. On the Cisco DCNM Web UI, choose **Administration > DCNM Server > Server Properties**. Reset the **enable preview feature** property.

Certain commands must not be executed on Cisco DCNM, as they may harm the functionality of various components on the network. The following table shows the commands and specifies the reason why they must not be executed.

Table 6: List of Commands that must not be executed on Cisco DCNM

Command	Reason
<code>systemctl restart network</code>	This is a common Linux command that the network administrators use when editing the interface properties. The command has shown to render the DCNM useless when converting to the cluster mode.
<code>ifconfig ethx y.y.y/zz</code>	Any change in the IP addresses of the DCNM nodes must be done with the <code>appmgr update network-properties</code> command. This includes changing the FQDN, adding static routes, adding/removing NTP servers etc.

Checking TPM Partition before Converting DCNM-SE to Nexus Dashboard

A few Cisco Application Services Engine (SE) nodes that was factory pre-installed with DCNM 11.5(3) or earlier may have a corrupted TPM partition. This causes the installation of Cisco Nexus Dashboard software to fail. You must check the TPM Partition before upgrading from Cisco DCNM-SE to Cisco Nexus Dashboard.



Note TPM is not a requirement for DCNM 11.x releases. Therefore, this issue does not affect existing DCNM 11.x functionality of the device, even if the device is affected by this issue. No further action is required until you decide to upgrade to Cisco Nexus Dashboard.

To identify if your Cisco DCNM-SE is affected by this issue, perform the following steps:

Step 1 SSH to Cisco Application Services Engine using `sysadmin` user.

Step 2 Run the following command to view the list of models and their vendors.

lsblk-S

```
[root@dcnm-se-active sysadmin]$ lsblk -S
NAME    HCTL          TYPE    VENDOR  MODEL          REV  TRAN
...
sdc     0:2:2:0       disk    Cisco   UCSC-RAID12G-2GB  5.10
sdd     0:2:3:0       disk    Cisco   UCSC-RAID12G-2GB  5.10
sde     0:2:4:0       disk    Cisco   UCSC-RAID12G-2GB  5.10
sdf     7:0:0:0       disk    UNIGEN  PQT8000          1100 usb /*identiifying device from UNIGEN
Vendor*/
sdg     8:0:0:0       disk    UNIGEN  PHF16H0CM1-ETG   PMAP  usb
sdl     1:0:0:0       disk    ATA     Micron_5100_MTFD H072  sata
...
```

Applications Services Engine from **UNIGEN** vendor is detected with device name **sdf**.

Step 3 Run the following command to view the partitions in the disk.

lsblk -s or lsblk

- Example1

The following example shows functioning TPM disk with two partitions sdf1 and sdf2. This can be installed with Cisco Nexus Dashboard software with no issues.

```
[root@dcnm-se-active sysadmin]$ lsblk
NAME                                MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
...
sdc                                  8:32   0   2.2T  0 disk
sdd                                  8:48   0   2.2T  0 disk
sde                                  8:64   0  371.6G  0 disk
sdf                                8:80   1   7.7G  0 disk /*functioning TPM with partition*/
  |--sdf1                            8:81   1    60M  0 part
  |--sdf2                            8:82   1   3.7G  0 part
nvme0n1                              259:0   0   1.5T  0 disk
  |--nvme0n1p1                       259:1   0   1.5T  0 part
    |--flashvg-flashvol 253:3   0   1.5T  0 lvm  /var/afw/vols/data/flash
...
```

• Example2

The following example shows defective or corrupted TPM disk with no partitions defined on device sdf. This unit cannot be used to install Cisco Nexus Dashboard software, and must be replaced.

```
[root@dcnm-se-active sysadmin]$ lsblk
NAME                                MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
...
sdc                                  8:32   0   2.2T  0 disk
sdd                                  8:48   0   2.2T  0 disk
sde                                  8:64   0  371.6G  0 disk
sdf                                8:80   1   16G  0 disk /*corrupted TPM without partition*/
nvme0n1                              259:0   0   1.5T  0 disk
  |--nvme0n1p1                       259:1   0   1.5T  0 part
    |--flashvg-flashvol 253:3   0   1.5T  0 lvm  /var/afw/vols/data/flash
...
```

Step 4 If your device has a TPM disk with no partitions, contact Cisco Technical Assistance Center (TAC) to initiate RMA and replace the device.

No further action is required if your TPM has partitions.



CHAPTER 4

New Features and Enhancements

- [New Features and Enhancements, on page 17](#)

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 11.5(3)

LAN Fabric Deployment Enhancements

The following feature is new in Cisco DCNM Release 11.5(3) for the LAN Fabric Deployment.

Software Maintenance Update to address Log4j2 vulnerability

Cisco DCNM Release 11.5(3) provides Software Maintenance Update (SMU) to address **CVE-2021-45046** and **CVE-2021-44228** issue. Note that CVE-2021-45105 has a lower severity and not used in DCNM with default configuration, therefore it is not addressed here.

For more information, refer to *Installing Software Maintenance Update for log4j2 Vulnerability* chapter in [Cisco DCNM Installation Guide](#) for your deployment type.

ThousandEyes Enterprise Agent Integration

From Release 11.5(3), you can integrate ThousandEyes Enterprise Agent with Cisco DCNM. ThousandEyes Enterprise Agent collects network and application layer performance data when users access specific websites within monitored networks. It is used to run tests, check detailed aspects of network pathing and connectivity, status of network routing.

DCNM automates installing and uninstalling ThousandEyes Enterprise Agent on Cisco Nexus Data Center switches.

You can configure global settings for ThousandEyes Enterprise Agent using Cisco DCNM **Web UI > Control > ThousandEyes > Configure**. For more information, see Configuring [ThousandEyes Enterprise Agent](#).



CHAPTER 5

Upgrading Cisco DCNM

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

- [Upgrading Cisco DCNM, on page 19](#)

Upgrading Cisco DCNM

The following table summarizes the type of upgrade that you must follow to upgrade to Release 11.5(3).



Note Cisco DCNM Release 11.5(3) does not support IP Fabric for Media (IPFM) and SAN Deployments.

Deployment Type	Current Release Number	Upgrade type to upgrade to Release 11.5(3)
LAN Fabric	11.5(2)	Inline Upgrade
	11.5(1)	Inline Upgrade



CHAPTER 6

Caveats

- [Caveats, on page 21](#)
- [Open Caveats, on page 21](#)
- [Resolved Caveats, on page 22](#)

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, 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:

Open Caveats

The following table lists the Open bugs for Cisco DCNM, Release 11.5(3).

Caveat ID Number	Description
CSCvz11489	DCNM 11.5.2(132). 2nd S&D results in Traceback and ConfigSave failure
CSCvz43107	After upgrade 11.5(2)->11.5(3) , Copied image not seen in ISSU workflow
CSCvz50898	Config-compliance for Nexus 7K in OOS for specific vlan configs

Resolved Caveats

The following table lists the Resolved bugs for Cisco DCNM, Release 11.5(3).

Caveat ID Number	Description
CSCvv24160	%DAEMON-3-SYSTEM_MSG: error:protocol identification string lack carriage return
CSCvw74111	New loopback interfaces get generated for eBGP route-peering post-upgrade to 11.5
CSCvw83380	IPAM: Failure to load IP-Allocation records after upgrade from DCNM 11.4 to 11.5
CSCvw86528	MSD/Easy Fabric backup restore after upgrade from 11.4 to 11.5(S27)
CSCvw86814	After Brownfield Import of Networks to MSO and deployment , Moved to pending state on DCNM
CSCvw86849	Update on MSO vrf/nets global parameters is not reflected on the MSD level but on the fabric level
CSCvw87461	Template save for network failed on MSD level when created a network on MSO with specific parameters
CSCvw95106	During upgrade to 11.5 Fabric_Group templates are not supported
CSCvx10880	HW PortMode Policy Create UI failed with "Invalid PORT_MODE with XSS vulnerable content"
CSCvx49721	Event forwarder Rule fails for Traps
CSCvx57187	vmmplugin:4.2 doesn't log any date/timestamp
CSCvx57282	CSV of VMMplug:4.2 contains </br> tags between ',' separator
CSCvx64766	VRFs were failed to get created on the dcnm from MSO as template had some ASN error
CSCvx67023	Vrf deployment on the VPC switches failed - peer attach response failed
CSCvx78714	Archive FTP credentials failing for First time for SAN switches on 8.5.1 image as prompt msg differ
CSCvx88158	For VRFs deployed from MSO, DCNM's local non fabric instance fields don't have the values set

Caveat ID Number	Description
CSCvy03056	Image copy is not working if we have switch running with 8.5.1 and NXOS Kerry image
CSCvy04292	DCNM, OSPF, on Port Channel Sub-interface Appending value in the pending config
CSCvy22220	DCNM Restore fails after compute cluster addition
CSCvy31518	Brownfield DR import with VRF-Lite L3 PO failures
CSCvy34762	MACSec Enable Issue on 10.x Code
CSCvy40359	Device is OOS after 11.4 to 11.5 upgrade due to case mismatch on Route-map names
CSCvy43794	DCNM issue with processing CLI neighbor 172.16.22.0/24 remote-as route-map
CSCvy61798	Inline Upgrade Fails if '?' is used in root password
CSCvy62021	Scheduled Fabric backup fails sometimes when configured by remote user
CSCvy74496	JCraft/JSch Java Secure Channel 0.1.53 - Recursive sftp-get Directory Traversal
CSCvy80175	switch_freeform update error if description has non-ascii characters
CSCvy82883	Switch upgrade scheduling fails on non-English web browser
CSCvy92202	DCNM alarm page unstable as Rest API returning wrong responses and getting mixed up
CSCvz21241	Brownfield migration in DCNM fails on border switches due to bfd ipv6 configs
CSCvz21661	Vrf context sub-commands not removed by CC
CSCvz29503	Delete of VRF and Network definitions must be done in child first and then MSD
CSCvz59324	BF:Traceback is thrown when creating Multisite Underlay IFC with Port-channel



CHAPTER 7

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:

- [Navigating the Cisco DCNM Documentation, on page 25](#)
- [Platform-Specific Documents, on page 26](#)
- [Documentation Feedback, on page 27](#)
- [Communications, Services, and Additional Information, on page 27](#)

Navigating the Cisco DCNM Documentation

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

Cisco DCNM 11.5(3) Documentation Roadmap

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

Table 7: Cisco DCNM 11.5(3) Documentation

Document Title	Description
Cisco DCNM Release Notes, Release 11.5(3)	Provides information about the Cisco DCNM software release, open caveats, and workaround information.
Cisco DCNM Compatibility Matrix, Release 11.5(3)	Lists the Cisco Nexus and the Cisco MDS platforms and their software releases that are compatible with Cisco DCNM.
Cisco DCNM Scalability Guide	Lists the supported scalability parameters for Cisco DCNM, Release 11.5(3).

Document Title	Description
Cisco DCNM Configuration Guides	<p>This configuration guides provide conceptual and procedural information on the Cisco DCNM Web GUI</p> <ul style="list-style-type: none"> • Cisco DCNM LAN Fabric Configuration Guide, Release 11.5(1) <p>Note Cisco DCNM Release 11.5(3) does not support upgrading IP Fabric for Media (IPFM) and SAN Deployments.</p>
Cisco DCNM Installation and Upgrade Guides	<p>This document guide you to plan your requirements and deployment of the Cisco Data Center Network Manager.</p> <ul style="list-style-type: none"> • Cisco DCNM Installation and Upgrade Guide for LAN Fabric Management Deployment, Release 11.5(3) <p>Note Cisco DCNM Release 11.5(3) does not support upgrading IP Fabric for Media (IPFM) and SAN Deployments.</p>
Cisco DCNM Licensing Guide, Release 11.x	Describes the procedure used to generate, install, and assign a Cisco Data Center Network Manager (DCNM) license.
Software Upgrade Matrix for Cisco DCNM 11.5(3)	Lists the software upgrade paths that are supported for DCNM.
Cisco Data Center Network Manager Open Source Licensing, Release 11.5(3)	Provides information about the Cisco Data Center Network Manager Open Source Licensing, Release 11.5(3).
Cisco DCNM REST API Guide, Release 11.5(3)	Cisco DCNM provides REST APIs that allow third parties to test and develop application software. The REST API documentation is packaged with Cisco DCNM, and can be accessed through any browser.
For other documentation supporting Release 11.5(3), refer to Cisco DCNM 11.5(3) Documentation Roadmap .	

Platform-Specific Documents

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

Cisco Nexus 2000 Series Fabric Extender Documentation

<https://www.cisco.com/c/en/us/products/switches/nexus-2000-series-fabric-extenders/index.html>

Cisco Nexus 3000 Series Switch Documentation

<https://www.cisco.com/c/en/us/support/switches/nexus-3000-series-switches/series.html>

Cisco Nexus 4000 Series Switch Documentation

<https://www.cisco.com/c/en/us/support/switches/nexus-4000-series-switches/series.html>

Cisco Nexus 5000 Series Switch Documentation

<https://www.cisco.com/c/en/us/support/switches/nexus-5000-series-switches/series.html>

Cisco Nexus 6000 Series Switch Documentation

<https://www.cisco.com/c/en/us/support/switches/nexus-6000-series-switches/series.html>

Cisco Nexus 7000 Series Switch Documentation

<https://www.cisco.com/c/en/us/support/switches/nexus-7000-series-switches/series.html>

Cisco Nexus 9000 Series Switch Documentation

<https://www.cisco.com/c/en/us/support/switches/nexus-9000-series-switches/series.html>

Day-2 Operation Applications Documentation

- [Cisco Network Insights for Data Center](#)
- [Cisco Network Insights Base \(Cisco NIB\)](#)

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.

Communications, Services, and Additional Information

- To receive timely, relevant information from Cisco, sign up at [Cisco Profile Manager](#).
- To get the business impact you're looking for with the technologies that matter, visit [Cisco Services](#).
- To submit a service request, visit [Cisco Support](#).
- To discover and browse secure, validated enterprise-class apps, products, solutions and services, visit [Cisco Marketplace](#).
- To obtain general networking, training, and certification titles, visit [Cisco Press](#).
- To find warranty information for a specific product or product family, access [Cisco Warranty Finder](#).

Cisco Bug Search Tool

[Cisco Bug Search Tool](#) (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.