



New Features and Enhancements

Cisco Prime Data Center Network Manager (DCNM), Release 7.2.x includes the new features, enhancements, and hardware support that are described in the following sections:

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- [New Features and Enhancements in Cisco Prime DCNM, Release 7.2\(2a\), page 2](#)
- [New Features and Enhancements in Cisco Prime DCNM, Release 7.2\(2\), page 2](#)
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New Features and Enhancements in Cisco Prime DCNM, Release 7.2(3)

Cisco Prime DCNM, Release 7.2(3), includes the new features, enhancements, and hardware support that are described in the following section:

Config template Enhancements

Config templates feature allows you to assign or modify a parameter value in the template content. You can perform arithmetic operations, string manipulations and also apply CLIs based on the device state. Config template uses the Java runtime provided Java script environment to perform arithmetic operations, string manipulations in the template syntax.

VXLAN with BGP EVPN Support for Nexus 5000 and Nexus 7000 Series Switches

This configuration will include a full startup configuration including interface configuration, vmtracker, Loopback, NVE, BGP, and so on. This release will have the basic visualization support. The goal is to show the VXLAN devices in single pane to visualize VXLAN infrastructure.

Implicit VFC binding support for Nexus 5000 Series Switches

Previously, Cisco Nexus 5000 Series Switches supported Explicit Binding resulting in vfc names as vfc<#>. From Release 7.2(3), Cisco Nexus 5000 Release 7.3(0)N1(1) supports Implicit binding for the vfc. Implicit Binding allows the automatic binding of a vfc1/1 to Ethernet port eth1/1 and only eth1/1 interfaces.

New Features and Enhancements in Cisco Prime DCNM, Release 7.2(2a)

There are no new software features introduced in the Cisco Prime DCNM Release 7.2(2a).

New Features and Enhancements in Cisco Prime DCNM, Release 7.2(2)

Cisco Prime DCNM, Release 7.2(2), includes the new features, enhancements, and hardware support that are described in the following section:

VXLAN with BGP EVPN Support for Nexus 9000 Series Switches

This configuration will include a full startup configuration including: interface configuration, multi-MD, vtracker, Loopback, NVE, BGP, Multicast, etc.

This release will have the basic visualization support. The goal is to show the VXLAN devices in single pane to visualize VXLAN infrastructure.

New Features and Enhancements in Cisco Prime DCNM, Release 7.2(1)

Cisco Prime DCNM, Release 7.2(1), includes the new features, enhancements, and hardware support that are described in the following section:

FCoE over FEX

To provide a cost-effective solution for providing FCoE for host connections, support for FCoE over Fabric Extender (FEX) port is provided. This will drive Per-port FCoE cost down and help in positioning Cisco Nexus 7000 series switches at the edge network. To allow FCoE support over FEX, FEX port which is part of a Ethernet-vdc will be shared to the storage VDC. FEX is connected to the Cisco Nexus 7000 series switches through Fabric port-channel (FPC).

The following FCoE FEX models are supported:

- N2K-C2232PP-10GE
- N2K-B22HP-P

FCOE over F3

This feature brings support for T11's FC-BB_E standard FCoE over lossless Ethernet on F3-series line card variants to Cisco Nexus 7000 series and Cisco Nexus 7700 series platforms in storage VDC.

The following F3 cards are supported on FCoE:

- N77-F348XP-23 (48 port 10G card for N77)

- N77-F324FQ-25 (24 port 40G card for N77)
- N7K-F312FQ-25 (12 port 40G card for N7K)

4-Port VPC support on Cisco Nexus 5000/6000 Series

The 4-port VPC provides capability for user of Cisco Nexus 5600/6000 series switch to be able to bind a VFC interface to an individual port member of port-channel that has multiple port members. There can be at least 2 VFCs each binds to an individual member of a port-channel that has 2 port members. Binding a VFC to a port-channel that has multiple port members is still not supported.

This feature is available only for 2300 series FEX connected to 5600/6000 series switches.

Topology Views & Overlays

Cisco Prime DCNM, Release 7.2(1), Web Client allows you to view the LAN topology, based on various following parameters:

- L2STP view
- PC/vPC view
- Fabric Path View
- OTV view

Event Suppression

Cisco Prime DCNM, Release 7.2(1), allows you to suppress the specified events based on the user-specified suppressor rules from the Web Client. Such events will not be displayed on the Cisco Prime DCNM Web Client and SAN Client. The events will neither be persisted to Cisco Prime DCNM database, nor forwarded via email/SNMP trap.

Slowdrain Enhancements

Cisco Prime DCNM, Release 7.2(1), allows users to configure E/F port congestion drop, F-port no credit drop and E/F slow-port monitor from Cisco Prime DCNM SAN client and Device Manager.

VxLAN Support for Nexus 7000 Series Switches

Cisco Nexus 5600 Series and Nexus 7000 Series Switches can identify VxLAN topology by marking the VTEPs with a different icon. VxLAN support allows you to do the following:

- Search the VTEP devices based on VNI or multicast address.
- Display VNI, multicast address, mapped VLAN, VNI status in tabular format for a given VNI or multicast address.
- Highlight mismatch in multicast address configuration for a given VNI.
- Display active peers of VTEP for a given VNI.
- Display all VNI, multicast address, VNI status and mapped VLANs of the particular VTEP in switch inventory screen.

Auto-Configuration Deployment and POAP Support for Cisco Nexus 7000 Series Switches

This feature allows you to selectively push or clear configuration on devices for a network.

For Cisco Nexus 7000 Series Switches, Release 7.2(0)D1(1), Cisco Prime DCNM, Release 7.2(1), supports auto-configuration profiles and provides POAP/VOAP support with system-defined POAP/VDC templates.

Supported Upgrade Path to Cisco Prime DCNM Release 7.2

The following table lists the upgraded path supported on the Cisco Prime DCNM Releases.

Table 1: Upgrade Path for Cisco Prime DCNM, Release 7.2(1)

Cisco Prime DCNM Installer version	Release from which you can upgrade
Cisco Prime DCNM 7.2(1) ISO/OVA	<ul style="list-style-type: none"> • Cisco Prime DCNM, Release 7.1(1) • Cisco Prime DCNM, Release 7.1(2)
Cisco Prime DCNM 7.2(1) EXE/BIN	<ul style="list-style-type: none"> • Cisco Prime DCNM, Release 6.3(2) • Cisco Prime DCNM, Release 7.1(1) • Cisco Prime DCNM, Release 7.1(2)

Table 2: Upgrade Path for Cisco Prime DCNM, Release 7.2(2)

Cisco Prime DCNM Installer version	Release from which you can upgrade
Cisco Prime DCNM 7.2(2) ISO/OVA	<ul style="list-style-type: none"> • Cisco Prime DCNM, Release 7.1(1) • Cisco Prime DCNM, Release 7.1(2) • Cisco Prime DCNM, Release 7.2(1)
Cisco Prime DCNM 7.2(2) EXE/BIN	<ul style="list-style-type: none"> • Cisco Prime DCNM, Release 7.1(1) • Cisco Prime DCNM, Release 7.1(2) • Cisco Prime DCNM, Release 7.2(1)

Table 3: Upgrade Path for Cisco Prime DCNM, Release 7.2(2a)

Cisco Prime DCNM Installer version	Release from which you can upgrade
Cisco Prime DCNM 7.2(2a) ISO/OVA	<ul style="list-style-type: none"> • Cisco Prime DCNM, Release 7.1(1) • Cisco Prime DCNM, Release 7.1(2) • Cisco Prime DCNM, Release 7.2(1) • Cisco Prime DCNM, Release 7.2(2)
Cisco Prime DCNM 7.2(2a) EXE/BIN	<ul style="list-style-type: none"> • Cisco Prime DCNM, Release 7.1(1) • Cisco Prime DCNM, Release 7.1(2) • Cisco Prime DCNM, Release 7.2(1) • Cisco Prime DCNM, Release 7.2(2)

Cisco Prime DCNM Installer version	Release from which you can upgrade
Cisco Prime DCNM 7.2(3) ISO/OVA	<ul style="list-style-type: none"> • Cisco Prime DCNM, Release 7.2(1) • Cisco Prime DCNM, Release 7.2(2) • Cisco Prime DCNM, Release 7.2(2a)
Cisco Prime DCNM 7.2(3) EXE/BIN	<ul style="list-style-type: none"> • Cisco Prime DCNM, Release 7.2(1) • Cisco Prime DCNM, Release 7.2(2) • Cisco Prime DCNM, Release 7.2(2a)

