



# Cisco Nexus 3000 Series NX-OS Release Notes, Release 7.0(3)I4(8z)

This document describes the features, bugs, and limitations for Cisco Nexus 3000 Series and Cisco Nexus 3100 Series switches. Use this document in combination with documents listed in the [Related Documentation](#) section.

Note: Starting with Cisco NX-OS Release 7.0(3)I2(1), the Cisco NX-OS image filename has changed to start with "nxos" instead of "n3000."

Table 1 shows the online change history for this document.

Table 1 Online History Change

Date	Description
July 11, 2018	Created NX-OS Release 7.0(3)I4(8z) release notes.
November 17, 2018	Replaced instances of Cisco NX-OS Release 6.0(2)U6(2) and 6.0(2)U6(3) with Cisco NX-OS Release 6.0(2)U6(2a) and 6.0(2)U6(3a).

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## Introduction

Several new hardware and software features are introduced for the Cisco Nexus 3000 Series and Cisco Nexus 3100 Series devices to improve the performance, scalability, and management of the product line. Cisco NX-OS Release 7.x also supports all hardware and software supported in Cisco NX-OS Release 6.x, Cisco NX-OS Release 5.1, and Cisco NX-OS Release 5.0.

Cisco NX-OS offers the following benefits:

- Cisco NX-OS runs on all Cisco data center switch platforms: Cisco Nexus 7000, Nexus 5000, Nexus 4000, Nexus 3000, Nexus 2000, and Nexus 1000V Series switches.
- Cisco NX-OS software interoperates with Cisco products that run any variant of Cisco IOS software and also with any networking operating system that conforms to common networking standards.
- Cisco NX-OS modular processes are triggered on demand, each in a separate protected memory space. Processes are started and system resources are allocated only when a feature is enabled. The modular processes are governed by a real-time preemptive scheduler that helps ensure timely processing of critical functions.
- Cisco NX-OS provides a programmatic XML interface that is based on the NETCONF industry standard. The Cisco NX-OS XML interface provides a consistent API for devices. Cisco NX-OS also provides support for Simple Network Management Protocol (SNMP) Versions 1, 2, and 3 MIBs.
- Cisco NX-OS enables administrators to limit access to switch operations by assigning roles to users. Administrators can customize access and restrict it to the users who require it.

This section includes the following:

- [Cisco Nexus 3000 Series Switches](#)
- [Cisco Nexus 3100 Series Switches](#)

## Cisco Nexus 3000 Series Switches

The Cisco Nexus 3000 Series switches are high-performance, high-density, ultra-low-latency Ethernet switches that provide line-rate Layer 2 and Layer 3 switching. The Cisco Nexus 3000 Series includes the following switches:

- The Cisco Nexus 3064 switch is a 1 RU switch that supports 48 1- or 10-Gigabit downlink ports, four Quad Small Form-Factor Pluggable (QSFP+) ports that can be used as a 40 Gigabit Ethernet port or 4 x10-Gigabit Ethernet ports, one 10/100/1000 management port, and one console port.
- The Cisco Nexus 3048 switch is a 1 rack unit (RU) switch that supports 48 10/100/1000 Ethernet server-facing (downlink) ports, four 10-Gigabit network-facing (uplink) ports, one 100/1000 management port, and one console port.
- The Cisco Nexus 3016 is a 1 RU, 16-port QSFP+ switch. Each QSFP+ port can be used as a 40-Gigabit Ethernet port or 4 x10-Gigabit Ethernet ports.

## System Requirements

Each switch includes one or two power supply units and one fan tray module, and each switch can be ordered with either forward (port-side exhaust) airflow or reverse (port-side intake) airflow for cooling. All platforms support both AC and DC power supplies. All combinations of power (AC/DC) and airflow (forward/reverse) are available. The Cisco Nexus 3000 Series switches run the Cisco NX-OS software.

For information about the Cisco Nexus 3000 Series, see the [Cisco Nexus 3000 Series Hardware Installation Guide](#).

## Cisco Nexus 3100 Series Switches

The Cisco Nexus 3100 Series switches are high-performance, high-density, ultra-low-latency Ethernet switches that provide line-rate Layer 2 and Layer 3 switching. In Cisco NX-OS Release 6.0(2)U2(2), the Cisco Nexus 3100 Series includes the Cisco Nexus 3132 and Nexus 3172 switches.

The Cisco Nexus 3172PQ switch is a 10-Gbps Enhanced Small Form-Factor Pluggable (SFP+)-based ToR switch with 48 SFP+ ports and 6 Enhanced Quad SFP+ (QSFP+) ports.

The Cisco Nexus 3172TQ switch is a 10GBASE-T switch with 48 10GBASE-T ports and 6 Quad SFP+ (QSFP+) ports.

Each SFP+ port can operate in 100-Mbps, 1-Gbps, or 10-Gbps mode, and each QSFP+ port can operate in native 40-Gbps or 4 x 10-Gbps mode. This switch is a true physical-layer-free (phy-less) switch that is optimized for low latency and low power consumption.

The Cisco Nexus 3132Q switch is a 1RU, 40-Gbps QSFP-based switch that supports 32 fixed 40-Gbps QSFP+ ports. It also has 4 SFP+ ports that can be internally multiplexed with the first QSFP port. Each QSFP+ port can operate in the default 40-Gbps mode or 4 x 10-Gbps mode, up to a maximum of 104 10-Gbps ports.

Each switch includes dual redundant power supply units, four redundant fans, one 10/100/1000 management port, and one console port. Each switch can be ordered with either forward (port-side exhaust) airflow or reverse (port-side intake) airflow for cooling. It supports both AC and DC power supplies. All combinations of power (AC/DC) and airflow (forward/reverse) are available. The Cisco Nexus 3100 Series switches run the Cisco NX-OS software.

For information about the Cisco Nexus 3100 Series, see the [Cisco Nexus 3000 Series Hardware Installation Guide](#).

## System Requirements

This section includes the following topics:

- Memory Requirements
- Hardware Supported
- Twinax Cable Support on Cisco Nexus 3000 Switches
- Cisco QSFP 40-Gbps Bidirectional Short-Reach Transceiver

## Memory Requirements

The Cisco NX-OS Release 7.0(3)I4(8z) software requires 135 MB of flash memory.

## Hardware Supported

Cisco NX-OS Release 7.0(3)I4(8z) supports the Cisco Nexus 3000 Series switches. You can find detailed information about supported hardware in the Cisco Nexus 3000 Series Hardware Installation Guide. See [Table 2](#) for the hardware supported by the Cisco NX-OS Release 7.x software.

Table 2 Hardware Supported by Cisco NX-OS Related 7.x Software.

Hardware	Part Number
Cisco Nexus 3132Q-X switch	N3K-C3132Q-40GX
Cisco Nexus C3172TQ-XL switch	N3K-C3172TQ-XL
Cisco Nexus C3172PQ-XL switch	N3K-C3172PQ-XL
Cisco Nexus C3132Q-XL switch	N3K-C3132Q-XL
Cisco Nexus 3172TQ switch	N3K-C3172TQ-10GT
Cisco Nexus 3172PQ switch	N3K-C3172PQ-10GE
Cisco Nexus 3132Q-V switch	N3k-C3132Q-V
Cisco Nexus 3132Q switch	N3K-C3132Q-40GE
Cisco Nexus 31108TC-V	N3K-C31108TC-V
Cisco Nexus 31108PC-V switch	N3K-C31108PC-V
Cisco Nexus 3064-X switch	N3K-C3064PQ-10GX
Cisco Nexus 3064-X reversed airflow (port-side intake) AC power supply	N3K-C3064-X-BA-L3
Cisco Nexus 3064-X forward airflow (port-side intake) DC power supply	N3K-C3064-X-BD-L3
Cisco Nexus 3064-X forward airflow (port-side exhaust) DC power supply	N3K-C3064-X-FD-L3
Cisco Nexus 3064-X forward airflow (port-side exhaust) AC power supply	N3K-C3064-X-FA-L3
Cisco Nexus 3064-TQ switch	N3K-C3064TQ-10GT
Cisco Nexus 3064-T 500W reverse airflow (port-side intake) AC power supply	NXA-PAC-500W-B

Hardware	Part Number
Cisco Nexus 3064-T 500W forward airflow (port-side exhaust) AC power supply	NXA-PAC-500W
Cisco Nexus 3064-E switch	N3K-C3064PQ-10GE
Cisco Nexus 3064 switch	N3K-C3064PQ
Cisco Nexus 3064 fan module with reverse airflow (port-side intake); also used in the Cisco Nexus 3016	N3K-C3064-FAN-B
Cisco Nexus 3064 fan module with forward airflow (port-side exhaust); also used in the Cisco Nexus 3016	N3K-C3064-FAN
Cisco Nexus 3048 switch	N3K-C3048TP-1GE
Cisco Nexus 3048 fan module with reverse airflow (port-side intake)	N3K-C3048-FAN-B
Cisco Nexus 3048 fan module with forward airflow (port-side exhaust)	N3K-C3048-FAN
Cisco Nexus 3016 switch	N3K-C3016Q-40GE
Cisco Nexus 3000 power supply with reverse airflow (port-side intake)	N2200-PAC-400W-B
Cisco Nexus 3000 power supply with forward airflow (port-side exhaust)	N2200-PAC-400W
Cisco Nexus 2000 power supply with forward airflow (port-side exhaust)	N2200-PDC-400W
Cisco Nexus 2000 DC power supply with reverse airflow (port-side intake)	N3K-PDC-350W-B

## Twinax Cable Support on Cisco Nexus 3000 Switches

Starting with Cisco Release NX-OS 5.0(3)U1(1), the following algorithm is used to detect copper SFP+ twinax, QSFP+ twinax, and QSFP+ splitter cables on Cisco Nexus 3000 Series switches.

If the attached interconnect (transceiver) is a copper SFP+ twinax or QSFP+ twinax cable:

- Verify the transceiver SPROM to match the Cisco magic code.
- If the check succeeds, bring up the interface. Otherwise, print the following warning message appears stating that a non-Cisco transceiver is attached and that you should try to bring up the port.

## New and Changed Information

2009 Oct 9 01:46:42 switch %ETHPORT-3-IF\_NON-CISCO\_TRANSCEIVER: Non-Cisco transceiver on interface Ethernet1/18 is detected.

If the attached transceiver is a QSFP+ splitter cable, then no special check is performed. The Cisco NX-OS software tries to bring up the port.

The following disclaimer applies to non-Cisco manufactured and non-Cisco certified QSFP copper splitter cables:

If a customer has a valid support contract for Cisco Nexus switches, Cisco TAC will support twinax cables that are a part of the compatibility matrix for the respective switches. However, if the twinax cables are not purchased through Cisco, a customer cannot return these cables through an RMA to Cisco for replacement.

If a twinax cable that is not part of the compatibility matrix is connected into a system, Cisco TAC will still debug the problem, provided the customer has a valid support contract on the switches. However TAC may ask the customer to replace the cables with Cisco qualified cables if there is a situation that points to the cables possibly being faulty or direct the customer to the cable provider for support. Cisco TAC cannot issue an RMA against uncertified cables for replacement.

## Cisco QSFP 40-Gbps Bidirectional Short-Reach Transceiver

The Cisco QSFP 40-Gbps Bidirectional (BiDi) transceiver is a short-reach pluggable optical transceiver with a duplex LC connector for 40-GbE short-reach data communications and interconnect applications by using multimode fiber (MMF). The Cisco QSFP 40-Gbps BiDi transceiver offers a solution that uses existing duplex MMF infrastructure for 40-GbE connectivity. With the Cisco QSFP 40-Gbps BiDi transceiver, customers can upgrade their network from 10-GbE to 40-GbE without incurring any fiber infrastructure upgrade cost. The Cisco QSFP 40-Gbps BiDi transceiver can enable 40-GbE connectivity in a range of up to 100 meters over OM3 fiber, which meets most data center reach requirements. It complies with the Multiple Source Agreement (MSA) QSFP specification and enables customers to use it on all Cisco QSFP 40-Gbps platforms and achieve high density in a 40-GbE network. It can be used in data centers, high-performance computing (HPC) networks, enterprise and distribution layers, and service provider transport applications.

## New and Changed Information

This section lists the new and changed information in Release 7.0(3)I4(8z):

- New Supported Hardware
- New Software Features

### New Supported Hardware

Cisco NX-OS Release 7.0(3)I4(8z) does not include any new hardware.

### New Software Features

Cisco NX-OS Release 7.0(3)I4(8z) does not include new software features.

## Caveats

The open and resolved bugs and the known behaviors for this release are accessible through the Cisco Bug Search Tool. This web-based tool provides you with access to the Cisco bug tracking system, which maintains information about bugs and vulnerabilities in this product and other Cisco hardware and software products.

Note: You must have a Cisco.com account to log in and access the [Cisco Bug Search Tool](#). If you do not have one, you can [register for an account](#).

For more information about the Cisco Bug Search Tool, see the Bug Search Tool Help & FAQ.

- Resolved Bugs for this Release
- Open Bugs for this Release
- Known Behaviors for this Release

## Resolved Bugs for this Release

Table 3 lists descriptions of resolved bugs in Cisco NX-OS Release 7.0(3)I4(8z). You can use the record ID to search the [Cisco Bug Search Tool](#) for details about the bug.

Table 3 Cisco NX-OS Release 7.0(3)I4(8z) —Resolved Bugs

Record Number	Description
<a href="#">CSCvf63751</a>	CFS crashed due to memory leak in CFS_MEM_user_data process
<a href="#">CSCvg71111</a>	EOBC/EPC heartbeat failures leading to first generation 9500 linecards
<a href="#">CSCvi58910</a>	NX-OS switches running on Release 7.0(3)I4(7) report frequent excessive PTP corrections
<a href="#">CSCvj51343</a>	Huge PTP offset /corr seen on PTP client (at access lyr) if Grandmaster switch at Core layer

## Open Bugs for this Release

There are no open caveats for this release.

NOTE: Although this is a generally available patch release with the fixes listed in the Resolved Caveats, it is targeted for a **specific customer's deployment requirements**.

## Known Behaviors for this Release

There are no known behavior changes for this release.

## Upgrade and Downgrade Guidelines

- The only supported method of upgrading is install all from Release 6.0(2)U6(3) due to the need to upgrade the BIOS. Without the Release 7.0(3)I4(8z) BIOS, the 7.0(3)I4(8z) image will not load.

- The no-save option is now required to downgrade from Release 7.x to Release 6.x. The bios-force is a hidden option that is only available on Cisco Nexus 3000 Series switches that are running 7.x releases.
- Cisco Nexus 3000 Series switches that use software versions older than Cisco NX-OS Release 5.0(3)U5(1) need to be updated to Cisco NX-OS Release 5.0(3)U5(1) before they are upgraded to Cisco NX-OS Release 6.0(2).
- Cisco NX-OS Release 5.0(3)U3(1) does not support a software upgrade from Cisco NX-OS Release 5.0(3)U2(2c). If you want to upgrade through this path, see [CSCty75328](#) for details about how to work around this issue.

**Note:** It is recommended that you upgrade to Cisco NX-OS Release 7.0(3)I4(8z) by using Cisco NX-OS install procedures.

- In Cisco NX-OS Release 6.0(2)U2(2), the default interface name in LLDP MIB is in short form. To make it long form, you must set lldp portid-subtype to 1. In Cisco NX-OS Release 6.0(2)U2(3), this behavior was reversed. The default interface name in LLDP MIB is now in long form. To make it short form, you must set lldp portid-subtype to 0.
- If you have set lldp port-subtype to 1 and if you are upgrading to Cisco NX-OS Release 6.0(2)U2(4), ensure that you set lldp port-subtype to 0.
- While performing a non-disruptive ISSU, VRRP and VRRPV3 will display the following messages:
  - If VRRPV3 is enabled:
 

```
2015 Dec 29 20:41:44 MDP-N9K-6 %$ VDC-1 %$ %USER-0-SYSTEM_MSG: ISSU ERROR: Service "vrrpv3" has sent the following message: Feature vrrpv3 is configured. User can change vrrpv3 timers to 120 seconds or fine tune these timers based on upgrade time on all Vrrp Peers to avoid Vrrp State transitions. - sysmgr
```
  - If VRRP is enabled:
 

```
2015 Dec 29 20:45:10 MDP-N9K-6 %$ VDC-1 %$ %USER-0-SYSTEM_MSG: ISSU ERROR: Service "vrrp-eng" has sent the following message: Feature vrrp is configured. User can change vrrp timers to 120 seconds or fine tune these timers based on upgrade time on all Vrrp Peers to avoid Vrrp State transitions. - sysmgr
```
- You may experience the following issue when you perform an "install all" upgrade from 6.0(2)U6(x) version of the image to 7.0(3)I4(x) versions:
  - ASCII startup configuration does not configure channel-group for member ports: On Cisco Nexus 3172-XL platforms, port-channel configurations are not restored if the startup configuration is ASCII based configuration and when the "interface port-channel" is configured at "speed 10000" or "speed 40000" in the configuration file. To work around this issue you must remove "speed 10000" or "speed 40000" from all the interface port-channels configuration.

Note: You will not experience this issue when you perform an "install all" upgrade from 7.0(3)I4(x) version of the image to any later versions.
- Packet loss may occur on Cisco Nexus 31108PC-V, 31108TC-V and 3132Q-V switches when they are in the default cut-through switching-mode and the default oversubscribed port mode. These packet losses are seen in hardware counters on the egress port as TERR and/or TFCS. One of the following workarounds can be implemented to address this issue without NX-OS upgrade. To view more details, see [CSCvf87120](#).
  1. Change the port mode from oversubscribed to line-rate and then reload the switch:

## Upgrade Matrix

- on Nexus 31108PC-V and 31108TC-V switches, change from 48x10g+6x100g to 48x10g+4x100g+2x40g.
  - on Nexus 3132Q-V switches change from 32x40g or 26x40g to 24x40g.
2. Change the switching-mode from cut-through to store-and-forward and then reload the switch.

## Upgrade Matrix

This section provides information on upgrading Cisco Nexus 3000 and 3100 Series switches to Cisco NX-OS Release 7.0(3)I4(8z).

**Note:** Beginning with the 7.0(3)I2(1) release, kickstart and system images are no longer used to install the Cisco NX-OS software image on Cisco Nexus 3000 and 3100 Series switches. Instead, a single binary image is used (for example, nxos.7.0.3.I4.1.bin). To install the software, you would use the install all nxos bootflash:nxos.7.0.3.I4.1.bin command.

From	To	Limitations	Recommended Procedure
7.0(3)I2(1) or later	7.0(3)I4(8z)	None	install all is the recommended upgrade method supported.
6.0(2)U6(3a) <sup>1</sup>	7.0(3)I4(8z)	None	<p><b>install all is the only upgrade method supported because of a BIOS upgrade requirement.</b></p> <p><b>Warning:</b> Make sure that you store the pre-Release, 6.0(2)U6(3)'s <b>configuration file.</b></p> <p>For more information, see the <i>Cisco Nexus 3000 Series NX-OS Software Upgrade and Downgrade Guide, Release 7.x.</i></p>

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<sup>1</sup>

Cisco NX-OS Release 6.0(2)U6(3) is no longer available for a software download through [www.cisco.com](http://www.cisco.com). This software release has been replaced by Cisco NX-OS Release 6.0(2)U6(3a).

## Limitations

6.0(2)U6(2a) <sup>2</sup> or earlier	7.0(3)I4(8z)	<p>First, upgrade to Cisco NX-OS Release 6.0(2)U6(3a) or a later release.</p> <p>Note: A Cisco Nexus 3048 switch requires an additional step when you upgrade from a software version older than Cisco NX-OS 6.0(2)U6(2), otherwise the switch can fail to boot. You must first upgrade the switch to Cisco NX-OS Release 6.0(2)U6(2a), then to Cisco NX-OS Release 6.0(2)U6(3a), and finally to Cisco NX-OS Release 7.0(3)I4(8z).</p>	<p><b>install all is the only upgrade method supported because of a BIOS upgrade requirement.</b></p> <p>For more information, see the <i>Cisco Nexus 3000 Series NX-OS Software Upgrade and Downgrade Guide, Release 7.x</i>.</p>
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## Limitations

The following are the known limitations for Cisco NX-OS Release 7.0(3)I4(8z).

- The fast reload feature is not supported.
- Performing an ISSU is not supported on the following switches:
  - Cisco Nexus 3132Q-V
  - Cisco Nexus 31108PC-V
  - Cisco Nexus 31108TC-V platforms
- Subinterfaces cannot be used as network ports.
- Cisco Nexus 3000-XL platforms do not support breakout using speed 10000 CLI command. Use the interface breakout module 1 port <num> map 10g-4x CLI command instead.
- While installing the NXAPI https certificate that is present in the device, the following error message can appear if the user does not have the permission to install this certificate (See [CSCup72219](#)):
  - Certificate file read error. Please re-check permissions.
- After configuring the NXAPI feature, the default http port (port 80) is still in the listening state even after we run the no nxapi http command. This results in the sandbox becoming accessible. Although the sandbox becomes accessible, HTTP requests from the sandbox to the device do not go through. Thus, the functionality is not affected. (See [CSCup77051](#)).
- Chunking is enabled while displaying XML output for any CLI, and html tags (& lt; and & gt;) are displayed instead of < and > both on the sandbox and while running the Python script (See [CSCup84801](#)).

This is expected behavior. Each chunk should be in XML format for you to parse it and extract everything inside the <body> tag. This is done so that it can be later concatenated with similar output from all the chunks of the

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<sup>2</sup> Cisco NX-OS Release 6.0(2)U6(2) is no longer available for a software download through [www.cisco.com](http://www.cisco.com). This software release has been replaced by Cisco NX-OS Release 6.0(2)U6(2a).

## Limitations

CLI XML output. After all the chunks are concatenated to get the complete XML output for the CLI, this complete XML output can be parsed for any parameter.

The following workaround is recommended to address this issue:

- Concatenate the <body> outputs from each chunk
  - Replace all the html tags (& lt; and & gt;) with < and >
  - Parse for any XML tag needed
- If you use the write erase command, you cannot view the output for the show startup *feature* command. To view the startup configuration, you must then use the show startup-config command. This limitation will remain until you run the copy running-config startup-config command. After that, the show startup-config feature command will display the feature-only configuration output as expected (See [CSCuq15638](#)).
  - A Python traceback is seen while running the show xml command by using the Python shell. The exception type is httpLib.IncompleteRead. This happens when you use Python scripts to leverage the NXAPI for retrieving switch data through XML or JSON. You should handle the exceptions in your Python scripts (See [CSCuq19257](#)).
  - While upgrading to a new release, when you create a checkpoint without running the setup script, the checkpoint file does not contain the copp-s-mpls class. After you run the write erase command and reload the switch, the copp-s-mpls class is created when the default configuration is applied. When a rollback is done to this checkpoint file, it detects a change in the CoPP policy and tries to delete all class-maps. Because you cannot delete static class-maps, this operation fails and, in turn, the rollback also fails.

This can also happen if you create a checkpoint, then create a new user-defined class and insert the new class before any other existing class (See [CSCup56505](#)).

The following workarounds are recommended to address this issue:

- Run setup after upgrading to a new release.
  - Always insert the new classes at the end before a rollback.
- When both the ip icmp-errors source and ip source *intf* icmp error commands are configured, then the command that is configured last takes effect.
- Thereafter, if the last configured command is removed, the switch does not get configured with the command that was configured first.
- Users who upgrade to Cisco Release 7.0(3)I4(8z) or above need to run the set up script if they want to enable the MPLS static or the VRRpv3 feature.
  - The following Cisco Nexus 9000 features are not supported on the Cisco Nexus 3100 Series switches in N3K or N9K mode.
    - FEX
    - Network address translation (NAT)
    - Multicast PIM Bidir
    - Support for up to 4000 VLANs
    - Q-in-VNI support for VXLAN

## MIB Support

- Q-in-Q support for VXLAN
  - Port VLAN (PV) switching and routing support for VXLAN
  - VXLAN BGP eVPN control plane
  - Auto-Config
  - Port profiles
  - Secure login enhancements:
    - Ability to block login attempts and enforce a quiet period
    - Ability to restrict the maximum login sessions per user
    - Ability to restrict the password length
    - Ability to prompt the user to enter a password after entering the username
    - Ability to hide the shared secret used for RADIUS or TACACS+ authentication or accounting
    - SHA256 hashing support for encrypted passwords
  - SHA256 algorithm to verify operating system integrity
  - Non-hierarchical routing mode
  - NX-API REST
- Link Level Flow Control (LLFC) is not supported on Cisco Nexus 3000 series and Cisco Nexus 3100 series switches.

## MIB Support

The Cisco Management Information Base (MIB) list includes Cisco proprietary MIBs and many other Internet Engineering Task Force (IETF) standard MIBs. These standard MIBs are defined in Requests for Comments (RFCs). To find specific MIB information, you must examine the Cisco proprietary MIB structure and related IETF-standard MIBs supported by the Cisco Nexus 3000 Series switch. The MIB Support List is available at the following FTP sites:

<ftp://ftp.cisco.com/pub/mibs/supportlists/nexus3000/Nexus3000MIBSupportList.html>

## Related Documentation

Documentation for the Cisco Nexus 3000 Series Switch is available at the following URL:

[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)

## New Documentation

There is no new documentation for this release.

## Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to [nexus3k-docfeedback@cisco.com](mailto:nexus3k-docfeedback@cisco.com). We appreciate your feedback.

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly **What's New in Cisco Product Documentation**, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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