



Cisco Nexus 3000 Series NX-OS Release Notes, Release 10.2(2)F

This document describes the features, issues, and exceptions of Cisco NX-OS Release 10.2(2)F software for use on Cisco Nexus 3500 and 3600 platform switches.

The new Cisco NX-OS Software Release and Image-naming Convention information is available here – [Cisco NX-OS Software Strategy and Lifecycle Guide](#).

Note: The documentation set for this product strives to use bias-free language. For the purposes of this documentation set, bias-free is defined as language that does not imply discrimination based on age, disability, gender, racial identity, ethnic identity, sexual orientation, socioeconomic status, and intersectionality. Exceptions may be present in the documentation due to language that is hardcoded in the user interfaces of the product software, language used based on RFP documentation, or language that is used by a referenced third-party product.

The following table lists the changes to this document.

Table 1. Changes to this Document

Date	Description
December 16, 2021	Cisco NX-OS Release 10.2(2)F became available.

New and Enhanced Software Features

New Features	
Feature	Description
Secure Erase	<p>Beginning with Cisco NX-OS Release 10.2(2)F, Cisco Nexus 3500-XL supports Secure Erase. This feature is introduced to remove all the identifiable customer information on Cisco NX-OS devices in conditions of product removal due to Return Merchandise Authorization (RMA), or upgrade or replacement, or system end-of-life.</p> <p>For more information, see Cisco Nexus 3548 Series NX-OS Security Configuration Guide, Release 10.2(x).</p>

The enhanced features listed below are existing features introduced in earlier releases but enhanced to support new platforms in Cisco NX-OS Release 10.2(2)F.

Enhanced Features	
Feature	Description
Multicast Statistics on 3548-XL	<p>Added support for multicast flow path visibility on Cisco Nexus 3548-XL platform switches.</p> <p>For more information, see Cisco Nexus 3548 Switch NX-OS Multicast Routing Configuration Guide, Release 10.2(x).</p>
Bundle OC RPM	<p>Allows you to enable or disable OpenConfig support on the programmability agents (NETCONF, RESTCONF and gRPC), configure "[no] feature openconfig" .</p> <p>For more information, see Cisco Nexus 3500 Series NX-OS Programmability Guide, Release 10.2(x), and Cisco Nexus 3600 Series NX-OS Programmability Guide, Release 10.2(x).</p>
64-bit Migration	<p>Beginning with Cisco NX-OS Release 10.2(2)F, Cisco N3K-C3548P-XL and Cisco Nexus 3600-R platform switches support Cisco NX-OS 64-bit images. This also means that Cisco NX-OS 32-bit image is not supported on these platform switches anymore. Disruptive upgrade from earlier release to 10.2(2)F 64-bit NX-OS image is supported. For example, upgrade from Cisco NX-OS Release 10.2(1)F (32-bit) to Cisco NX-OS Release 10.2(2)F (which is 64-bit) is a disruptive upgrade.</p> <p>For more information, see Cisco Nexus 3600 Series NX-OS Software Upgrade and Downgrade Guide, Release 10.2(x) .</p>

New Hardware Features

Cisco NX-OS Release 10.2(2)F does not include any new hardware for the Cisco Nexus 3000 Series.

Release Image

Cisco Nexus 3000 Series platforms support only 64-bit image. This image is supported on Cisco Nexus 3600 series fixed switches and Cisco Nexus 3500-XL switches. 32-bit image is no longer supported.

Open Issues

The following tables lists the open issues for Cisco Nexus 3000 Series switches in Cisco NX-OS Release 10.2(2)F. Click the Bug ID to search the [Cisco Bug Search Tool](#) for additional information about the bug.

Bug ID	Description
CSCvz44412	<p>Headline: Nexus 9000 and Nexus 3000 Switch 100 Gig Interface does not come up after interface Flap</p> <p>Symptoms:</p> <ul style="list-style-type: none">- Interface does not come up after the shut/unshut on the Nexus 9500 with N9K-X9736C-FX- SFP used is the QSFP 40/100G-SRBD - link between the Nexus 9500 and Nexus 3408 <p>Workarounds:</p> <ul style="list-style-type: none">- Apply speed to 100 Gig and disable auto negotiation.- Shutdown the interfaces on both the sides, unshut the interface on Nexus 9000 first and later on Nexus 3000.

Resolved Issues

The following tables lists the resolved issues for Cisco Nexus 3000 Series switches in Cisco NX-OS Release 10.2(2)F. Click the Bug ID to search the [Cisco Bug Search Tool](#) for additional information about the bug.

Bug ID	Description
CSCvx31824	<p>Headline: Some ports get err-disabled after the switch boot up.</p> <p>Symptoms: After the switch boot up, some ports are stuck in the initializing status and get err-disabled finally. The reason is sequence timeout.</p> <p>%ETHPORT-5-IF_DOWN_ERROR_DISABLED: Interface Ethernet1/4 is down (Error disabled. Reason:sequence timeout)</p> <p>The "ipqosmgr" crash happens finally.</p> <p>>%SYSMGR-2-SERVICE_CRASHED: Service "ipqosmgr" (PID 28294) hasn't caught signal 6 (core will be saved)</p> <p>Workarounds: Perform shut/no shut of the port.</p>
CSCwa01369	<p>Headline: MTC-XL: biosinfo checksum failed.</p> <p>Symptoms: A biosinfo checksum failed kernel message is obtained while copying running-config to startup-config consistently and an event is logged during the bootup.</p> <p>Workarounds: No Workaround. Issue is seen after the bootflash corruption by secure erase and recreate file system.</p>

Device Hardware

The following tables list the Cisco Nexus 3500 and Cisco Nexus 3600 Series hardware that Cisco NX-OS Release 10.2(2)F supports. For additional information about the supported hardware, see the Hardware Installation Guide for your Cisco Nexus 3500 and Cisco Nexus 3600 Series devices.

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Table 1. Cisco Nexus 3500 Switches

Product ID	Description
N3K-C3548P-XL	Cisco Nexus 3548-XL switch

Table 2. Cisco Nexus 3500 Series Fans, Fan Trays and Power Supplies

Product ID	Description
N2200-PAC-400W	Cisco Nexus 2000 or 3000 400W AC power supply, forward airflow (port side exhaust)
N2200-PAC-400W-B	Cisco Nexus 2000 or 3000 400W AC power supply, reverse airflow (port side intake)
N2200-PDC-400W	Cisco Nexus 2000 or 3000 400W DC power supply, forward airflow (port side exhaust)
N3K-PDC-350W-B	Cisco Nexus 2000 or 3000 350W DC power supply, reverse airflow (port side intake)
NXA-FAN-30CFM-B	Cisco Nexus 2000 or 3000 individual fan, reverse airflow (port side intake)
NXA-FAN-30CFM-F	Cisco Nexus 2000 or 3000 individual fan, forward airflow (port side exhaust)

Table 3. Cisco Nexus 3600 Switches

Product ID	Description
N3K-C3636C-R	The Cisco Nexus 3636C-R is a 1 rack unit (RU) switch with 36 100-Gigabit QSFP28 ports, 40-Gigabit QSFP, 2 management ports, 1 console port, and 1 USB port. The switch supports both port-side exhaust and port-side intake airflow schemes. The switch has two power supplies, one for operations and the other for redundancy. Both power supplies must be either AC power supplies or DC power supplies.
N3K-C36180YC-R	The Cisco Nexus 36180YC-R is a 1 rack unit (RU) switch with 48 1/10/25-Gigabit SFP ports and 6 40-Gigabit QSFP/100-Gigabit QSFP28 ports, 1 management port, 1 console port, and 1 USB port. The switch supports both port-side exhaust and port-side intake airflow schemes. The switch has two power supplies, one for operations and the other for redundancy. Both power supplies must be either AC power supplies or DC power supplies.

Upgrade and Downgrade

Upgrading Cisco Nexus 3500 and Cisco Nexus 3600 Series Switches

To perform a software upgrade or downgrade, follow the instructions in *the Cisco Nexus 3500 Series NX-OS Software Upgrade and Downgrade Guide and Cisco Nexus 3600 Series NX-OS Software Upgrade and Downgrade Guide*.

For information about an In Service Software Upgrade (ISSU), see the [Cisco NX-OS ISSU Support Matrix](#).

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>

Supported Optics

To determine which transceivers and cables are supported by Cisco Nexus 3000 Series switches, see the [Transceiver Module \(TMG\) Compatibility Matrix](#).

To see the transceiver specifications and installation information, see

<https://www.cisco.com/c/en/us/support/interfaces-modules/transceiver-modules/products-installation-guides-list.html>.

Related Content

Cisco Nexus 3000 Series documentation: [Cisco Nexus 3000 Series switch documentation](#)

Cisco NX-OS Software Release and Image-naming Convention: [Cisco NX-OS Software Strategy and Lifecycle Guide](#)

Cisco Nexus 3000 and 9000 Series NX-API REST SDK User Guide and API Reference: [Cisco Nexus 3000 and 9000 Series NX-API REST SDK User Guide and API Reference](#).

Licensing Information

- [Cisco NX-OS Licensing Guide](#)
- [Cisco Nexus 9000 and 3000 Series NX-OS Switch License Navigator](#)
- [Cisco Nexus Smart Licensing Using Policy User Guide](#)

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