



Cisco Nexus 3000 Series NX-OS Release Notes, Release 10.2(1)F

This document describes the features, issues, and exceptions of Cisco NX-OS Release 10.2(1)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
August 24, 2021	Cisco NX-OS Release 10.2(1)F became available.

New and Enhanced Software Features

New Features	
Feature	Description
Smart Licensing Using Policy	<p>Smart Licensing Using Policy (SLP) is an enhanced version of Smart Licensing, which provides a licensing solution that does not interrupt the operations of your network and to enable a compliance relationship to account for the hardware and software licenses you purchase and use. SLP solution provides a seamless experience with various aspects of licensing such as purchase, use, report license usage to CSSM through Resource Utilization Measurement (RUM) report, and reconciliation. The only enforcement type supported is Unenforced or Not Enforced on Cisco Nexus 9000 and 3000 platform switches.</p> <p>For more information see, <i>Cisco Nexus Smart Licensing Using Policy Guide, Release 10.2(x)</i>.</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(1)F.

Enhanced Features	
Feature	Description
Single 64-bit Image Support and 64-bit and 32-bit to 64-bit ISSU	<p>Added 32-bit image support for Cisco Nexus 3524-XL, Cisco Nexus 3548-XL, Cisco Nexus 36180YC-R, and Cisco Nexus 3636C-R switches..</p> <p>For more information, see the Cisco Nexus 3500 Series NX-OS Software Upgrade and Downgrade Guide, Release 10.2(x) and 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(1)F does not include any new hardware for the Cisco Nexus 3000 Series.

Release Image

Cisco Nexus 3000 Series platforms support 32-bit image and do not support 64-bit image.

Open Issues

There are no open issues in Cisco Nexus 3500 and Cisco Nexus 3600 family switches for Cisco NX-OS Release 10.2(1)F.

Resolved Issues

The following tables lists the resolved issues for Cisco Nexus 3500 and Cisco Nexus 3600 family switches in Cisco NX-OS Release 10.2(1)F. Click the Bug ID to search the [Cisco Bug Search Tool](#) for additional information about the bug.

Bug ID	Description
CSCvy81640	<p>Headline: N3500 does not bring link up with Finisar transceiver after upgrade to converged code</p> <p>Symptoms: Link with Finisar transceiver does not come up.</p> <p>Workarounds: N/A</p>
CSCvz22691	<p>Headline: N3500 interfaces may stop processing rx traffic after connected host NIC flaps</p> <p>Symptoms: N3500 interface rx counters are not incrementing.</p> <p>Workarounds: Reload ascii of N3500.</p>
CSCvz22936	<p>Headline: N3500- show run all - lines are concatenated together in one single line</p> <p>Symptoms: Device not fixed yet with toggle command. All of these lines are concatenated together in one single line.N-3548# show running-config all i " hardware profile racl" no hardware profile tcam ipv6-sup-tcam match-innerno hardware profile tcam mcast racl-bridgeno hardware profile racl priority toggleno hardware access-list match inner-headerDevice fixed with toggle command. All lines are still concatenated on one line in ?show running-config all? N-3548# show running-config i togglehardware profile racl priority toggleRUSNJ2-DEVWAN02-3548# show running-config all i " hardware profile racl" no hardware profile tcam ipv6-sup-tcam match-innerno hardware profile tcam mcast racl-bridgehardware profile racl priority toggleno hardware access-list match inner-header</p> <p>Workarounds: None</p>
CSCvx04275	<p>Headline: Nexus 3000: Upgrade from 6.0(2)U6(x) to 7.0(3)I7(x) causes port-channel config to be missing</p> <p>Symptoms: Physical members of port-channel interfaces will be missing their " channel-group...." configuration post-upgrade. Accounting log post-upgrade shows FAILURE when configuration replay is attempted by the Nexus device.</p> <p>Workarounds: Re-configure speed/duplex for the member interfaces and re-add channel-group config post-upgrade. Alternatively, you can upgrade to 7.0(3)I4(6) first, then jump to 7.0(3)I7(x). Issue does not seem reproduce-able then.</p>
CSCvy64768	<p>Headline: N36180 incorrectly reject valid 'system routing unknown-unicast-flood' cli</p> <p>Symptoms: Valid cli 'no system routing unknown-unicast-flood' is not accepted by parser.</p> <p>Workarounds: N/A</p>

Device Hardware

The following tables list the Cisco Nexus 3500 and Cisco Nexus 3600 Series hardware that Cisco NX-OS Release 10.2(1)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](#)

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