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Cisco Nexus 3000 Series NX-OS Release Notes, Release 10.2(3)F

This document describes the features, issues, and exceptions of Cisco NX-OS Release 10.2(3)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.

Date	Description
April 26, 2022	Cisco NX-OS Release 10.2(3)F became available.

New and Enhanced Software Features

There are no new software features introduced in Cisco NX-OS Release 10.2(3)F for Cisco Nexus 3000 series.

The enhanced feature listed below is an existing feature introduced in an earlier release but enhanced to support new platforms in Cisco NX-OS Release 10.2(3)F.

Enhanced Features	
Feature	**Description**
PVLAN support on 3600-R	Added support for Private VLANs on Cisco Nexus 3600-R platform switches.
	For more information, see Cisco Nexus 3600 NX-OS Layer 2 Switching Configuration Guide, Release 10.2(3)F and Cisco Nexus 3600 NX-OS Verified Scalability Guide, Release 10.2(3)F.
vPC Fabric Peering	Added support for Cisco Nexus C36180YC-R and N3K-C3636C-R ToR platforms.
	For more information, see Cisco Nexus 3600 Series NX-OS VXLAN Configuration Guide, Release 10.2(x).

New Hardware Features

Cisco NX-OS Release 10.2(3)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. The 64-bit Cisco NX-OS image filename begins with "nxos64-msll" (for example, nxos64-msll.10.2.3.F.bin) and 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(3)F. Click the Bug ID to search the Cisco Bug Search Tool for additional information about the bug.

Bug ID	Description
CSCvz75894	Headline: N9500-R/N3600-R hardware application counters may get corrupted
	Symptoms: N9500-R/N3600-R running 9.3(x) version of converged code may experience hardware counter corruption causing specific application counters to show incorrect information.
	Workarounds: Reload will clear the issue but the issue can resurface.
CSCwb30246	Headline: N9500-R/N3600-R CoPP incorrectly matches fragmented UDP packet with UDP PTP port payload as PTP pkt
	Symptoms: N9500-R/N3600-R running 9.3.x or 10.2.x version of code matches incorrectly by CoPP redirect class mcast/ucast UDP fragmented packets with UDP PTP ports payload (319/320) as PTP packets.

Bug ID	Description
	Workarounds: None
CSCwb48527	Headline: PVLAN RACL filtering not happening for PVLAN SVI Symptoms: RACL filtering is not happening for PVLAN VLAN. (Traffic match not happening for PVLAN SVI.) Workarounds: None
CSCwb60344	Headline: PVLAN Consistency checker failed for Primary VLAN Symptoms: PVLAN consistency checker failed for Primary VLAN in the latest 10.2.3 build Workarounds: None

Resolved Issues

The following tables lists the resolved issues for Cisco Nexus 3000 Series switches in Cisco NX-OS Release 10.2(3)F. Click the Bug ID to search the Cisco Bug Search Tool for additional information about the bug.

Bug ID	Description
CSCvz39153	Headline: N9500-R/N3600 break link-local control-plane adj for connected L3 devices Symptoms: N9500-R/N3600 running 9.3.8 version of code breaks link-local control-plane adjacencies (e.g. OSPF) for connected L3 devices. When igmp snooping is disabled, link-local control-plane works but this prevents multicast traffic to be forwarded as pim cannot be enabled on SVI with disabled igmp snooping for respective vlan. Workarounds: None

Device Hardware

The following tables list the Cisco Nexus 3500 and Cisco Nexus 3600 Series hardware that Cisco NX-OS Release 10.2(3)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.

Cisco Nexus 3500 Switches

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

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)

Product ID	Description
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)

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

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](#)

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. We appreciate your feedback.

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