Cisco Nexus 3000 Series NX-OS Release Notes

Release 10.4(6)M

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.

Introduction

The Cisco Nexus 3000 Series NX-OS Release Notes document describes the features, issues, and exceptions of Cisco NX-OS Release 10.4(6)M software for use on Cisco Nexus 3500 and 3600 Series switches.

Changes to this document:

Date	Description
September 2, 2025	Cisco NX-OS Release 10.4(6)M became available.

New and Enhanced Software Features

Cisco NX-OS Release 10.4(6)M does not include any new and enhanced software features for the Cisco Nexus 3000 Series.

Hardware Features

Cisco NX-OS Release 10.4(6)M does not include any new hardware features 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.10.4.6.M.bin) and this image is supported on Cisco Nexus 3600 series fixed switches and Cisco Nexus 3500-XL series witches. 32-bit image is no longer supported.

Open Issues

There are no open issues in this release.

Resolved Issues

Bug ID	Description
CSCwm60799	N3500 fails to add valid SPAN IP filter
CSCwq10551	N3500 PTP T3 time stamp may get stuck
CSCwq00225	'ipv6 link-local' configuration missing after reload

Bug ID	Description
CSCwo66309	N3500XL may fail to send erspan packet after erspan egress intf changes
CSCwn27011	NxOS IPv6 Static Route remains valid when interface to reach next-hop is down
CSCwp00709	High CPU due to vsh.bin with rapid logging of sev 0,1,2 syslogs
CSCwo63323	MTM process crash when large number of MAC addresses in the network
CSCwo67684	Secure Erase feature for 3548XL on 10.4 not working
CSCwp34378	N3500-XL reports frequently excessive latency in range of multiple seconds.
CSCwn81911	N9K " copy bootflash:<X.ncl> run" of " conf sess vty-acl" results in " Failed to complete Verification"
CSCwp95485	SYN-TIMEOUT and FINRST-TIMEOUT timers activate when a downgrade is performed, even with no tcp-nat tcam carved
CSCwp19413	N9k Telemetry stops streaming under certain conditions
CSCwo90376	[Telemetry] Large number of AAAA DNS queries are sent by the nexus switch to the DNS server to resolve telegraf hostname, even though IPv6 is not configured
CSCwo26549	N3K-C3548P-XL / N3K-C3548P-10GX crashed unexpectedly with mtc_usd hap reset
CSCwp90936	N9K/N3K unexpected reload due to sysmgr shutdown
CSCwq39196	N3500 logs incorrectly ACLQOS VACL/NAT related error message

Device Hardware

The following tables list the Cisco Nexus 3500 and Cisco Nexus 3600 Series hardware that Cisco NX-OS Release 10.4(6)M 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-C3524P-XL	Cisco Nexus 3524-XL switch
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)
N3K-PDC-350W-B	Cisco Nexus 2000 or 3000 350W DC power supply, reverse airflow (port side intake)

Product ID	Description
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 40Gigabit 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. From Cisco NX-OS Release 10.3(3)F, the following AC ports are supported on Cisco Nexus 36180YC-R (N3K-C36180YC-R): • AC port-side exhaust (NXA-PAC-750W-PE) • AC port-side intake (NXA-PAC-750W-PI) The following table provides information about spares support: • The Typical/Minimum port-side intake and fan speed percentage is 50% and the maximum port-side intake and fan speed percentage is 100%. • The Typical/Minimum port-side exhaust and fan speed percentage is 70% and the maximum port-side exhaust and fan speed percentage is 100%. For information about N3K-C36180YC-R, see Cisco Nexus 3600 Hardware Installation Guide.

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:

https://cisco.github.io/cisco-mibs/supportlists/nexus3000/Nexus3000MIBSupportList.html

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 Install and Upgrade Guides.

Related Content

This document describes and provides links to the user documentation available for Cisco Nexus 3000 Series documentation. To find a document online, use one of the links in this section.

Document Title	Description
Cisco Nexus 3000 Series switch documentation	Cisco Nexus 3000 Series documentation
Cisco NX-OS Software Strategy and Lifecycle Guide	Cisco NX-OS Software Release and Image-naming Convention
Cisco Nexus 3000 and 9000 Series NXAPI REST SDK User Guide and API Reference	Cisco Nexus 3000 and 9000 Series NX-API REST SDK User Guide and API Reference
Cisco NX-OS Licensing Guide Cisco Nexus 9000 and 3000 Series NX-OS Switch License Navigator Cisco Nexus Smart Licensing Using Policy User Guide	Licensing Information

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