Cisco Nexus 3000 Series NX-OS Release Notes

Release 10.5(4)M

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Introduction

The Cisco Nexus 3000 Series NX-OS Release Notes document describes the features, issues, and exceptions of Cisco NX-OS Release 10.5(4)M software for use on Cisco Nexus 3500 and 3600 Series switches.

Date	Description
October 21, 2025	Release 10.5(4)M became available.

New and Enhanced Software Features

Cisco NX-OS Release 10.5(4)M does not include any new or enhanced features for the Cisco Nexus 3000 Series.

Hardware Features

Cisco NX-OS Release 10.5(4)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.10.5.4.M.bin) and this image is supported on Cisco Nexus 3600 series fixed switches, Cisco Nexus 3550-T and Cisco Nexus 3500-XL series switches. 32-bit image is no longer supported.

Note: Nexus 3600 supports EPLD image. Starting from 10.5(3)F, Cisco NX-OS no longer provides a separate EPLD image for Nexus 3600 series switches. Instead, the EPLD image is bundled with the NX-OS image and so the image size is correspondingly larger.

Open Issues

There are no open issues for Cisco Nexus 3000 Series in Cisco NX-OS Release 10.5(4)M.

Resolved Issues

Bug ID	Description
CSCwq93730	N3500-XL may log falsely syslog %ACLQOS-SLOT1-2-ACLQOS_NAT_TABLE_FULL
CSCwq39196	N3500 logs incorrectly ACLQOS VACL/NAT related error message

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Bug ID	Description
CSCwq39166	N3500 may reload due to aclqos crash when SR and ucast NAT entries overflow NAT tcam region
CSCwp90936	N9K/N3K unexpected reload due to sysmgr shutdown

Device Hardware

The following tables list the Cisco Nexus 3500 and Cisco Nexus 3600 Series hardware that Cisco NX-OS Release 10.5(4)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)
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 3550-T Switches

Product ID	Description
N35-T-48X	Cisco Nexus 3550-T switch features a console port, a Micro USB port, and a 1G RJ45 port, which can be used as management interfaces.

Cisco Nexus 3550-T Switches Fans, Fan Trays, and Power Supplies

Product ID	Description
N35-T-FAN-PE	Fan module with port-side exhaust airflow
N35-T-FAN-PI	Fan module with port-side intake airflow
N35-T-PAC-PE	Cisco Nexus 2000 or 3000 400W AC power supply, forward airflow (port side exhaust)

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Product ID	Description
N35-T-PAC-PI	Cisco Nexus 2000 or 3000 350W AC power supply, reverse airflow (port side intake)

Cisco Nexus 3550-T Switches Fans, Fan Trays, and Power Supplies

Product ID	Description	Country
CP-PWR-CORD-AU N35-T-48X	Standard Power Cord	Australia
CAB-AC-10A-BRZ	Power Cord 10A NBR 14136 plug 3 pins	Brazil
CAB-9K12A-NA	Power Cord, 125VAC 13A NEMA 5-15 Plug, 8.2-Ft	North America
CAB-ACC	AC Power Cord, C13, NEMA 5-15P, 2.1m	
CAB-C13-C14-2M	Standard Power Cable, 240 Volts, 0.02 Pounds, Length: 6.6 ft., Connectors: 1 x power IEC 320 EN 60320 C13	
CAB-N35-AC-EU	AC Power Supply Cord	Europe
CP-PWR-CORD-UK	Cisco CP-PWR-CORD-UK Transformer Power Cord, Cisco VOIP phones	United Kingdom
CAB-IND-10A	Standard Power Cord, Second End Connector Type: IEC 320 EN 60320 C13, Current Rating: 10 A	India
CAB-C13-C14-3M-IN	This is a 10ft C13 to C14 18AWG 100-250V power cable that can be used to extend the lengths of 3-pin devices that utilize a shrouded power connector.	
CAB-3P-JPN	Standard AC Power Supply Cord Nema 5-15P to C13. Length: 6 Feet/19.6 Meters	Japan
CAB-C13-C14-2M-JP	Power cable - IEC 60320 C13 to IEC 60320 C14 - 6.6 ft	
CP-PWR-CORD-SA	AC Power Supply Cord	South Africa
CP-PWR-CORD-TW	AC Power Supply Cord	Taiwan

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.

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Product ID	Description
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 Guideshttps://www.cisco.com/c/en/us/support/interfaces-modules/transceiver-modules/products-installation-guides-list.html.

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.

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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 NXhttps://developer.cisco.com/site/nx-os/docs/n3k-n9k-api-ref/API 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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