



# Cisco Nexus 3000 Series NX-OS Release Notes

Release 10.3(5)M

## Introduction

This document describes the features, issues, and exceptions of Cisco NX-OS Release 10.3(5)M software for use on Cisco Nexus 3500 and 3600 platform switches.

The [Cisco NX-OS Software Strategy and Lifecycle Guide](#) provides details about the new Cisco NX-OS Software Release and Image-naming Convention.

**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
May 09, 2024	Cisco NX-OS Release 10.3(5)M became available.

## New and Enhanced Software Features

There are no new and enhanced software features introduced in Cisco NX-OS Release 10.3(5)M.

The are no new enhanced features listed below are existing features introduced in earlier releases but enhanced to support new platforms in Cisco NX-OS Release 10.3(5)M.

## Hardware Features

Cisco NX-OS Release 10.3(5)M 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.10.3.5.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 for Cisco Nexus 3000 Series in Cisco NX-OS Release 10.3(5)M.

## Resolved Issues

Identifier	Headline
<a href="#">CSCwi91043</a>	Remove 'test forwarding inconsistency' on nexus 3548 switches
<a href="#">CSCwh94461</a>	Address json lib usage to avoid infinite loop

Identifier	Headline
<a href="#">CSCwi78813</a>	'no link dfe adaptive-tuning' doesn't take affect on DAC ports
<a href="#">CSCwh69328</a>	MTC-XL - Optimize the internal handling of wideflow keyword for show commands.
<a href="#">CSCwi73964</a>	N3500 logs endlessly misleading mcast NAT related error msg without mcast NAT configuration
<a href="#">CSCwi36501</a>	N3500 per-link BFD may not work when configured in specific order
<a href="#">CSCwi95405</a>	VPC attached multicast receivers cannot subscribe to some multicast groups
<a href="#">CSCwi42400</a>	While Changing the IP of an interface using Netconf , it error's out
<a href="#">CSCwi05437</a>	N3500 SPAN buffer threshold cli inconsistency
<a href="#">CSCwd15870</a>	%NPACL-2-IPT_WARNING: npacl - ACL with REMARK not supported on mgmt interface, wrong Seq #
<a href="#">CSCwi60990</a>	N3500 NAT tcp syn timer continuously expires while tcp flow is active
<a href="#">CSCwi37453</a>	When configuring secondary IP on interface, 'no ip redirects' is not programmed correctly on ELTM
<a href="#">CSCwi51292</a>	N3500XL may send untranslated traffic via NAT outside interface w/ static NAT outside configuration
<a href="#">CSCwh69800</a>	N3500 " hardware profile buffer span-threshold xx" gets reset after egress link flap
<a href="#">CSCwj34709</a>	N3548: One Adjacency of ip routing not working in some failover scenario
<a href="#">CSCwi24874</a>	Crash " aclqos hap reset" is occurred in Nexus 3500
<a href="#">CSCwi96154</a>	Fragmented ping6 is incrementing reasmok + reasmfail for working ping6
<a href="#">CSCvc85027</a>	" bfd-app" should not be spawned in production nodes
<a href="#">CSCwj56653</a>	N3548 'show running' does not include complete SR configuration
<a href="#">CSCwi74242</a>	More vlans are being consumed on outer_bd on 10.2(x) versions
<a href="#">CSCwi50982</a>	N3500 NAT TS miss aclqos NAT related output
<a href="#">CSCwe37379</a>	N3548: Spanning tree is not working in pvlan configured ports
<a href="#">CSCwh26840</a>	N3548: Configuring " link loopback" leads to vsh.bin core and crash
<a href="#">CSCwh94275</a>	N3600 Stale MPLS labels after a route change
<a href="#">CSCwh85899</a>	N3500 service-reflect fails to forward mcast traffic with *G1 to S2G2 translation configuration

## Device Hardware

The following tables list the Cisco Nexus 3500 and Cisco Nexus 3600 Series hardware that Cisco NX-OS Release 10.3(5)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 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	<p>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.</p> <p>From Cisco NX-OS Release 10.3(3)F, the following AC ports are supported on Cisco Nexus 36180YC-R (N3K-C36180YC-R):</p> <ul style="list-style-type: none"><li>• AC port-side exhaust (NXA-PAC-750W-PE)</li><li>• AC port-side intake (NXA-PAC-750W-PI)</li></ul> <p>The following table provides information about spares support:</p> <ul style="list-style-type: none"><li>• The Typical/Minimum port-side intake and fan speed percentage is 50% and the maximum port-side intake and fan speed percentage is 100%.</li><li>• The Typical/Minimum port-side exhaust and fan speed percentage is 70% and the maximum port-side exhaust and fan speed percentage is 100%.</li></ul> <p>For information about N3K-C36180YC-R, see <a href="#">Cisco Nexus 3600 Hardware Installation Guide</a>.</p>

## 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/interfacesmodules/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.

Document Title	Description
<a href="#">Cisco Nexus 3000 Series switch documentation</a>	Cisco Nexus 3000 Series documentation
<a href="#">Cisco NX-OS Software Strategy and Lifecycle Guide</a>	Cisco NX-OS Software Release and Image-naming Convention
<a href="#">Cisco Nexus 3000 and 9000 Series NXAPI REST SDK User Guide and API Reference</a>	Cisco Nexus 3000 and 9000 Series NX-API REST SDK User Guide and API Reference
<ul style="list-style-type: none"><li><a href="#">Cisco NX-OS Licensing Guide</a></li><li><a href="#">Cisco Nexus 9000 and 3000 Series NX-OS Switch License Navigator</a></li><li><a href="#">Cisco Nexus Smart Licensing Using Policy User Guide</a></li></ul>	Licensing Information

## Documentation Feedback

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