



Cisco Nexus 9000 NX-OS Release Notes, Release 7.0(3)F3(5)

This document describes the features, caveats, and limitations for Cisco NX-OS Release 7.0(3)F3(5) software for use on the Cisco Nexus 9508 switch with N9K-X9636C-R, N9K-X9636C-RX, and N9K-X9636Q-R line cards, and N9K-C9508-FM-R fabric modules. Use this document in combination with documents listed in [Related Documentation](#).

NOTE: Cisco NX-OS Release 7.0(3)F3(5) cannot be used with other Cisco Nexus 9000 Series switches or with a Cisco Nexus 9508 switch that does not contain N9K-X9636C-R, N9K-X9636Q-R, or N9K-X9636C-RX line cards or N9K-C9508-FM-R fabric modules.

[Table 1](#) shows the online change history for this document.

Table 1. Online History Change

Date	Description
April 23, 2019	Updated Supported Optics links.
March 5, 2019	Created the release notes for Release 7.0(3)F3(5).

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Introduction

Cisco NX-OS software is a data center-class operating system designed for performance, resiliency, scalability, manageability, and programmability at its foundation. The Cisco NX-OS software provides a robust and comprehensive feature set that meets the requirements of virtualization and automation in mission-critical data center environments. The modular design of the Cisco NX-OS operating system makes zero-impact operations a reality and enables exceptional operational flexibility.

System Requirements

This section includes the following sections:

- Supported Device Hardware
- Supported Optics

Supported Device Hardware

[Table 2](#) lists the Cisco Nexus 9508 switch hardware that Cisco NX-OS Release 7.0(3)F3(5) supports. For additional information about the supported hardware, see the [Cisco Nexus 9508 NX-OS Mode Switch Hardware Installation Guide](#).

Table 2. Cisco Nexus 9508 Switch Hardware

Product ID	Hardware	Quantity
N9K-C9508	Cisco Nexus 9508 8-slot chassis The N95-LAN-XL1K9 licensing agreement is required.	1
N9K-X9636C-R	36-port 100-Gigabit Ethernet QSFP28 line card supporting 1 x 100 and 1 x 40 Gigabit Ethernet	Up to 8 (can mix with N9K-X9636Q-R & N9K-X9636C-RX)
N9K-X9636C-RX	36-port 100-Gigabit line card. QSFP28 line card supporting 36 x 100 and 36 x 40 Gigabit Ethernet with External TCAM	Up to 8 (can mix with N9K-X9636Q-R/ N9K-X9636Q-R)
N9K-X9636Q-R	36-port 40-Gigabit Ethernet QSFP+ line card supporting 1 x 40 Gigabit Ethernet	Up to 8 (can mix with N9K-X9636C-R/N9K-X9636C-RX)
N9K-C9508-FM-R	Cisco Nexus 9508 Series fabric module	6 (5 plus 1 for redundancy)
N9K-C9508-FAN	Cisco Nexus 9508 fan trays	3
N9K-SC-A	Cisco Nexus 9500 Series System Controller Module	2
N9K-SUP-B	Cisco Nexus 9500 Series supervisor B module	2
N9K-PAC-3000W-B	Cisco Nexus 9500 Series 3000 W AC power supply	Up to 8

Supported Optics

To determine which transceivers and cables are supported by this switch, 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>.

New and Changed Information

This section lists the following topics:

- New Hardware Features in Cisco NX-OS Release 7.0(3)F3(5)
- New Software Features in Cisco NX-OS Release 7.0(3)F3(5)

New Hardware Features in Cisco NX-OS Release 7.0(3)F3(5)

Cisco NX-OS Release 7.0(3)F3(5) has no new hardware features.

New Software Features in Cisco NX-OS Release 7.0(3)F3(5)

Cisco NX-OS Release 7.0(3)F3(5) has no new software features.

Caveats

This section includes the following topics:

- Resolved Caveats—Cisco NX-OS Release 7.0(3)F3(5)
- Open Caveats—Cisco NX-OS Release 7.0(3)F3(5)

Resolved Caveats—Cisco NX-OS Release 7.0(3)F3(5)

The following table lists the resolved caveats in Cisco NX-OS Release 7.0(3)F3(5). Click the bug ID to access the [Cisco Bug Search Tool](#) and see additional information about the bug.

Big ID	Description
CSCvj14692	Redirected IP packet not forwarded to destination
CSCvk30831	BIOS upgrade may fail during install all
CSCvm45182	Nexus 9500-R, Nexus 3000-R // 7.0(3)F3(3) // slot 1 quoted "show hardware internal.." crashes box
CSCvn36648	unable to use domain name as argument to ssh6 - ssh: Invalid Hostname

Open Caveats—Cisco NX-OS Release 7.0(3)F3(5)

The following table lists the open caveats in Cisco NX-OS Release 7.0(3)F3(5). Click the bug ID to access the [Cisco Bug Search Tool](#) and see additional information about the bug.

Limitations

Bug ID	Description
CSCvc04860	On SVI interfaces, post routed packets may be dropped momentarily (till MAC is learnt)
CSCvd47812	breakout priority drops when 3 streams comes from same soc under oversubscription
CSCvf24078	Mcast RPF Nbr IP showing local switch intf IP when /16 bit mask used on PIM intfs
CSCvf29905	N9K-X9636C-RX:: L2 SSM look up failure affecting IGMPv3 functionality
CSCvf49975	port range not working properly
CSCvf58154	L2GW : Outer IP TOS value to set as 0x00
CSCvf75978	Storm control counters not incrementing
CSCvf90062	packet is flooded to the port which has no receiver
CSCvg19938	Unshut of One of the ECMP links causes 1 minute + traffic drop due to high CPU for u6rib
CSCvg30015	vpc secondary comes back up as oper primary after reload
CSCvg94936	Level 2 priority is not honored, which policy applied on per port level
CSCvh67600	Console hung after executing default interface command
CSCvh70200	7.0(3)F - snmp-server host informs config corruption - also DME conflict
CSCvh81352	fragments permit-all and deny-all
CSCvh96055	Multicast traffic in L2 range 0100.5e00.xxxx - 0100.5e7f.xxxx not denied by access-list
CSCvi06058	sflow sample packets not taking correct copp class
CSCvi12965	L3 routed port rewriting dst macs to 0000.0000.0000

Limitations

This section lists limitations related to Cisco NX-OS Release 7.0(3)F3(5).

- The PTP process restart and system switchover accumulates high corrections for a few seconds. For more information, see [CSCvg49023](#).
- The LDP neighbor might flap on switchover in a scaled setup with many interfaces. Increase the discovery hello hold time for MPLS under the MPLS LDP configuration. For more information, see [CSCvg71349](#).
- A QoS policy having a MAC-based access list as a match in the class map does not work for IPv6 traffic. IPv6 traffic needs to be matched based on the IPv6 addresses and not the MAC address for QoS. For more information, see [CSCvg21532](#).
- CoPP (Control Plane Policing) cannot be disabled. If you attempt to disable it, an error message appears. For more information, see [CSCvi09329](#).
- The skip CoPP policy option has been removed from the Cisco NX-OS initial setup utility because using it can impact the control plane of the network. For more information, see [CSCvc44819](#).
- IPv4 traffic might drop when only IPv6 uRPF is enabled on the interface. For more information, see [CSCvh99632](#).

Related Documentation

The entire Cisco Nexus 9000 Series NX-OS documentation set is available at the following URL:

<https://www.cisco.com/c/en/us/support/switches/nexus-9000-series-switches/tsd-products-support-series-home.html>

The *Cisco Nexus 9508 NX-OS Mode Switch Hardware Installation Guide* is available at the following URL:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/hw/n9508_hig/guide/b_n9508_nxos-mode_hardware_install_guide.html

The *NX-API DME Model Documentation* is available at the following URL:

<https://developer.cisco.com/media/dme/index.html>

The *Cisco Nexus 9000 Series NX-OS Programmability Guide, Release 7.x* is available at the following URL:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/programmability/guide/b_Cisco_Nexus_9000_Series_NX-OS_Programmability_Guide_7x.html

The *Cisco Nexus 9000 Series NX-OS IP Fabric for Media Release Notes, Release 7.0(3)F3(4)* is available at the following URL:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/ip_fabric_for_media/release/notes/703f22_ip_fabric_for_media_rn.html

The *Cisco Nexus 9000 Series NX-OS IP Fabric for Media Solution Guide* is available at the following URL:

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/ip_fabric_for_media/solution/guide_703i45/b_Cisco_Nexus_9000_Series_IP_Fabric_for_Media_Solution_Guide_703i45.html

The *Cisco Nexus 3000 and 9000 Series NX-API REST SDK User Guide and API Reference* is available at the following URL:

<https://developer.cisco.com/site/nx-os/docs/n3k-n9k-api-ref/>

New Documentation

There is no new documentation for this release.

Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to nexus9k-docfeedback@cisco.com. We appreciate your feedback.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Open a service request online at:

<https://tools.cisco.com/ServiceRequestTool/create/launch.do>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

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