Cisco Nexus 9000 Series NX-OS Release Notes, Release 10.2(1q) F

Introduction

This document describes the features, issues, and exceptions of Cisco NX-OS Release 10.2(1q) F software for use on Cisco Nexus 9000 Series 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 25, 2024	Added CSCwh50989 to Open Issues.
May 05, 2023	Added PTP in Unsupported Features on N9K-C92348GC section
April 09, 2023	Added caveat CSCwe67205 to Open Issues.
October 17, 2021	Cisco NX-OS Release 10.2(1q) F became available.

New and Enhanced Software Features

There are no new features introduced in this release.

The features listed below are existing features introduced in earlier releases but enhanced to support new platforms in Cisco NX-OS Release 10.2(1q) F.

- Layer 2
- PTP
- Layer 3
- Layer 2 Layer 3 Multicast
- SR-MPLS
- PMN
- ACL
- QoS
- Telemetry
- SPAN
- Sflow
- VxLAN TRM

- MACsec
- Cloudsec-VXLAN Tunnel Encryption
- ITD
- Interfaces
- Multicast GRE
- Multicast NLB
- Multicast NAT
- IGMP Host Proxy
- MLD Snooping
- VxLAN EVPN

New Hardware Features

The following hardware is introduced in Cisco NX-OS Release 10.2(1q) F. This is the only supported hardware PID in this release.

- N9K-C9332D-GX2B – Cisco Nexus 9332D-GX2B Switch with 32p 400/100-Gbps QSFP-DD ports and 2p 1/10-G SFP+ ports.

Unsupported Features on N9K-C92348GC

Beginning with Cisco NX-OS Release 10.1(1), the following features are not supported on N9K-C92348GC.

- VXLAN
- SW/HW Telemetry
- NetFlow/Analytics
- iCAM
- PTP
- NX-SDK
- MTX (Device, gRPC, infra, NETCONF, RESTCONF, telemetry)

Release Image

Cisco Nexus 9000 Series switches require 64-bit NX-OS image for Cisco NX-OS Release 10.2(1q) F.

Open Issues

Bug ID	Description
CSCvz67293	Headline: GX2A 100GPSM4 steady state flap post 6/4th ite port flap, 1st reload Symptoms: On N9K-C9332D-GX2B, when we flap 100G PSM4 link in a loop multiple times, on some occurrence we will see a steady state flap after 50 secs of link up. After this steady state flap, the link remains stable. Workarounds: NA
CSCvz90749	Headline: ENH: link local IPv6 BGP CoPP support Symptoms: IPv6 link local BGP classification on CoPP not hit on GX/GX2 PIDs. LLA IPv6 addressing is defined as an address within prefix FE80::/10. Workarounds: NA
CSCwe67205	Headline: Credit Loss Recovery is not triggered for FC interface with no transmit credits. Symptom: A Fibre Channel interface that stays at 0 transmit credits is not recovered by the Credit Loss Recovery agent. Workaround: If the interface has **switchport ignore bit-errors** configured, then remove it with the **no switchport ignore bit-errors** interface configuration command.
CSCwh50989	Headline: Custom COPP causing transit traffic to be punted to the CPU on Nexus 9300-GX2 Symptoms: When custom-COPP policy contains ACL rules which match on Layer 4 destination or source port, transit traffic also hits the COPP and the packets are copied to CPU. This causes duplication of traffic as CPU also routes the copied packets to the destination. Workarounds: Custom COPP policy using src/dst match mitigates punt for transit traffic.

Resolved Issues

There are no resolved bugs listed for this release.

Guidelines and Limitations

- Default bootup mode is LXC and this release supports only LXC mode.
- In Service Software Upgrade (ISSU) is not supported in Cisco NX-OS Release 10.2(1q) F.

Related Content

Cisco Nexus 9000 Series documentation: Cisco Nexus 9000 Series Switches

Cisco NX-OS Software Release and Image-naming Convention: Cisco NX-OS Software Strategy and Lifecycle Guide

Cisco Nexus 9000 and 3000 Series NX-OS Switch License Navigator: Cisco Nexus 9000 and 3000 Series NX-OS Switch License Navigator

Licensing Information: Cisco NX-OS Licensing Guide

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