Release Notes for Cisco Nexus 9000 Series

Release 10.6(2)F

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Release Notes for Cisco Nexus 9000 Series Release 10.6(2)F

This document describes the features, issues, and limitations of Cisco NX-OS software Release 10.6(2)F for use on the Cisco Nexus 9000 Series switches.

Introduction

This document describes the features, issues, and limitations of Cisco NX-OS software Release 10.6(2)F for use on the Cisco Nexus 9000 Series switches.

Date	Description
December 14, 2025	Initial Release

New software features

This section provides a brief description of the new software features introduced in this release.

Table 1. New software features for Cisco Nexus 9000 Series switches, Release 10.6(2)F

Feature Impact	Feature Name	Description
Feature Set	Link-State Tracking	Beginning with Cisco NX-OS Release 10.6(2)F, Cisco Nexus 9000 Series switches support the Link-State Tracking feature. This feature binds the states of uplink and downlink interfaces to ensure redundancy and network stability, automatically disabling downlinks if all uplinks in a group fail to trigger seamless failover. For more information, see *Cisco Nexus 9000 Series NX-OS Layer 2 Switching Configuration Guide, Release 10.6(x)*.
	Multicast Flow Counter	Beginning with Cisco NX-OS Release 10.6(2)F, multicast flow counter feature for IPv4 is supported on Cisco N9300 Series Smart switches. For more information, see *Cisco Nexus 9000 Series NX-OS Multicast Routing Configuration Guide, Release 10.6(x)*.
	GOLD support on Cisco Nexus 9396Y12C-SE1 switch	Starting from Release 10.6(2)F, Cisco Generic On-Line Diagnostics (GOLD) is supported on Cisco Nexus 9396Y12C-SE1 switch. For more information, see *Cisco Nexus 9000 Series NX-OS System Management Configuration Guide, Release 10.6(x)*.
	GOLD support on Cisco Nexus 9396T12C-SE1 switch	Starting from Release 10.6(2)F, Cisco Generic On-Line Diagnostics (GOLD) is supported on Cisco Nexus N9396T12C-SE1 switch. For more information, see *Cisco Nexus 9000 Series NX-OS System Management Configuration Guide, Release 10.6(x)*.
	Reserved Bit Packet Spray with L2 Access Port	Beginning with Cisco NX-OS Release 10.6(2)F, RoCEv2 filters (BTH QoS policy) are supported on Layer 2 interfaces of Cisco Nexus 9364E-SG2 Series switches. For more information, see *Cisco Nexus 9000 Series NX-OS Quality of Service Configuration Guide, Release 10.6(x)*.

Feature Impact	Feature Name	Description
	ECMP static pinning support on N9364E-SG2 switches	Starting from Release 10.6(2)F, static pinning is supported on N9364E-SG2-Q and N9364E-SG2-O Silicon One switches. Per this feature, a source port can be pinned to a destination port which is part of a Dynamic Load Balancing (DLB) enabled ECMP Group. All the flows from the source port using a DLB ECMP group that has the pinned destination port as member, are sent to the pinned destination port only. For more information, see *Cisco Nexus 9000 Series Unicast Routing Configuration Guide, Release 10.6(x)*.
	Dropped flow notification	The dropped flow notification feature allows the network administrators to capture dropped packets and export the information to the collector and helps identify the cause of packet loss. For more information, see *Cisco Nexus 9000 Series NX-OS System Management Configuration Guide, Release 10.6(x)*.
	Policy-driven DLB on CloudScale switches	Starting from 10.6(2)F, policy-driven Dynamic Load Balancing (DLB) is now supported on 9300-FX3, GX, GX2, and HXA CloudScale TORs. This feature was earlier supported only on N9364E-SG2 Silicon One switches. For more information, see *Cisco Nexus 9000 Series NX-OS Quality of Service Configuration Guide, Release 10.6(x)*.
	Feature set on Smart Switches	Starting from Cisco NX-OS Release 10.6(2)F, the following features are supported on the Cisco N9324C-SE1U and Cisco N9348Y2C6D-SE1U smart switches: • VXLAN-EVPN ◦ Multi-site with vPC Border Gateway ◦ Multicast fast convergence for vPC border gateway failures • Security ◦ Live Protect: Enforce or monitor mode for CS and S1 fixed switches ◦ Granular Security: Enable auditd per rule-groups • L2/L3 ◦ Full netflow version 9 support for 64k v4/v6 flow-records/sec, 1M flow-records cached for export to any collector including Splunk ◦ Storm control 1 rate 2 color ◦ Microsoft network load balancer • Operations ◦ Latest gNOI version: Ping and traceroute for VRF • Programmability ◦ Syslog gnmi.subscribe for openconfig, ◦ gNMII set replace support for commit confirmed with origin cli ◦ Third party agents
	VXLAN support on Cisco S1 switches	Beginning with Cisco NX-OS Release 10.6(2)F, VXLAN feature support is added on Cisco N9396Y12C-SE1 and N9396T12C-SE1 switches. For more information, see *Cisco Nexus 9000 Series NX-OS VXLAN Configuration Guide, Release 10.6(x)*.

Feature Impact	Feature Name	Description
	VXLAN BGP EVPN Multi-Site vPC BGW support on Cisco Nexus 9336C-SE1 switches and N9300 Series switches	Beginning with Cisco NX-OS Release 10.6(2)F, support for VXLAN BGP EVPN Multi-Site vPC BGW is added on Cisco Nexus 9336C-SE1 switches and Cisco N9324C-SE1U, N9348Y2C6D-SE1U, N9396Y12C-SE1, and N9396T12C-SE1 switches. For more information, see *Cisco Nexus 9000 Series NX-OS VXLAN Configuration Guide, Release 10.6(x)*.
	SR-MPLS to VxLAN Handoff	Beginning with Cisco NX-OS Release 10.6(2)F, support is added for seamless handoff between SR-MPLS (Segment Routing MPLS) and VxLAN overlays on the following Cisco switches: • N9324C-SE1U • N9348Y2C6D-SE1U • N9396Y12C-SE1 • N9396T12C-SE1 This enables interoperable L3 extension between VXLAN EVPN-based data center domains and SR-MPLS-based WAN/core domains. For more information, see *Cisco Nexus 9000 Series NX-OS VXLAN Configuration Guide, Release 10.6(x)*.
	Dynamic Host Tracking	Beginning with Cisco NX-OS Release 10.6(2)F, Dynamic Host Tracking for EVPN VXLAN is supported on Cisco Nexus 9300 FX, FX3, GX, and GX2 platform switches. For more information, see *Cisco Nexus 9000 Series NX-OS VXLAN Configuration Guide, Release 10.6(x)*.
	Measured Boot	Beginning with Cisco NX-OS Release 10.6(2)F, Cisco Nexus 9000 switches support attesting and signing the Cisco Secure Unique Device Identifier (SUDI) certificate chain. This capability allows the switch to display the SUDI certificate chain and generate a signature based on a user-provided nonce, supporting device identity verification and integration with external systems. For more information, see *Cisco Nexus 9000 Series NX-OS Security Configuration Guide, Release 10.6(x)*.
	Routing TACACS+ (AAA) Traffic via Linux Kernel Network Stack	Beginning with Cisco NX-OS Release 10.6(2)F, Cisco Nexus 9000 Series switches support routing TACACS+ (AAA) traffic via the Linux kernel network stack (kstack) in addition to the existing netstack path. For more information, see *Cisco Nexus 9000 Series NX-OS Security Configuration Guide, Release 10.6(x)*.
	Support for large BGP Communities over EVPN address family	Beginning with Cisco NX-OS Release 10.6(2)F, BGP large community is supported on EVPN address-family. In the earlier releases, it is supported on IPv4 and IPv6 unicast address family. For more information see, *Cisco Nexus 9000 Series NX-OS Unicast Routing Configuration Guide, Release 10.6(x)*.
	Discard excess prefixes	Beginning with Cisco NX-OS Release 10.6(2)F, a new discard option is introduced in maximum-prefix configuration for BGP. You can configure this option to discard excess prefixes received from the neighbor once the threshold is reached. For more information, see *Cisco Nexus 9000 Series NX-OS Unicast Routing Configuration Guide, Release 10.6(x)*.

Feature Impact	Feature Name	Description
	Container-specific DNS resolution support	Beginning with Cisco NX-OS Release 10.6(2)F, Cisco Nexus 9000 Series switches support namespace-specific DNS resolution for third-party Linux applications running in containers. For more information, see *Cisco Nexus 9000 Series NX-OS Unicast Routing Configuration Guide, Release 10.6(x)*.
	MAC move support for data clients on MDA ports	Beginning with Cisco NX-OS Release 10.6(2)F, support has been added to handle MAC move events for data clients connected to Multi-Domain Authentication (MDA) ports. For more information, see *Cisco Nexus 9000 Series NX-OS Security Configuration Guide, Release 10.6(x)*.
	Auditd Implementation	Beginning with Cisco NX-OS Release 10.6(2)F, support is added to AuditD to enhance functionality. For more information, see Cisco Nexus 9000 Series NX-OS System Management Configuration Guide, Release 10.6(x).
	eBGP Address Family Multicast support in the underlay with Tenant Routed Multicast (TRM)	Beginning with Cisco NX-OS Release 10.6(2)F, non-congruent multicast and unicast topologies in the underlay are supported and BGP multicast address family can be used for the same. For more information, see Cisco Nexus 9000 Series NX-OS VXLAN Configuration Guide, Release 10.6(x).
	TRM - Same subnet bridging	Beginning with Cisco NX-OS Release 10.6(2)F, Tenant Routed Multicast (TRM) routes supports bridging the traffic with source and receiver in the same VLAN on Cisco Nexus 9000 switches.
	Support to automate candidate session	Beginning with Cisco NX-OS Release 10.6(2)F, automation of the candidate session is introduced. You can create a new session, view differences between the running and current session configurations, and view details for a specific session.
	Hardware assisted IP directed broadcast	Beginning with Cisco NX-OS Release 10.6(2)F, you can configure hardware forwarding of IP directed broadcasts using new hw-assist keyword in IP directed broadcast configuration. For more information, see *Cisco Nexus 9000 Series NX-OS Unicast Routing Configuration Guide, Release 10.6(x)*.
	Layer 3 Port channel support for VXLAN on Cisco Nexus 9800 Series switches	Beginning with Cisco NX-OS Release 10.6(2)F, added support for VXLAN uplinks on L3 Port channel of Cisco Nexus 9800 Series switches. For more information, see *Cisco Nexus 9000 Series NX-OS VXLAN Configuration Guide, Release 10.6(x)* and *Cisco Nexus 9000 Series NX-OS Multicast Routing Configuration Guide, Release 10.6(x)*.
	DCI multicast support with Anycast BGW on Cisco Nexus 9800 Series switches	Beginning with Cisco NX-OS Release 10.6(2)F, added support for DCI multicast with Anycast BGW on Cisco Nexus 9800 Series switches. For more information, see *Cisco Nexus 9000 Series NX-OS VXLAN Configuration Guide, Release 10.6(x)*.

Feature Impact	Feature Name	Description
	VXLAN vPC Fabric peering support on Cisco Nexus 9364E-SG2 Series switches	Beginning with Cisco NX-OS Release 10.6(2)F, added support for VXLAN vPC Fabric peering on Cisco Nexus 9364E-SG2 Series switches. For more information, see *Cisco Nexus 9000 Series NX-OS VXLAN Configuration Guide, Release 10.6(x)*.
	Flow bandwidth enhancement to support 8K and 16K video resolution feeds	Beginning with Cisco NX-OS Release 10.6(2)F, the maximum supported bandwidth range for flow policies has been increased from 25 Gbps (25,000,000 Kbps) to 100 Gbps (100,000,000 Kbps) to support 8K and 16K video resolution feeds in IPFM deployments. This feature will be available on Cisco Nexus Nexus 9300-FX, FX2, FX3, GX, GX2, H2R, H1, and 9800 Series switches.
	UDLD support across all S1 platforms	Beginning with Cisco NX-OS Release 10.6(2)F, Unidirectional Link Detection (UDLD) feature is supported on Cisco Nexus N9K-X9836DM-A, N9K-X98900CD-A, N9336C-SE1, N9396Y12C-SE1, N9396T12C-SE1, N9324C-SE1U, and N9348Y2C6D-SE1U. For more information, see *Cisco Nexus 9000 Series NX-OS Interfaces Configuration Guide, Release 10.6(x)*.
	DLB with BGP Unnumbered IPv6 Link-Local and WCMP	Beginning with Cisco NX-OS Release 10.6(2), you can configure BGP unnumbered peering with IPv6 link-local addresses, leveraging RFC 5549 and related standards to simplify BGP neighbor discovery and routing. For more information, see the *Cisco Nexus 9000 Series NX-OS Unicast Routing Configuration Guide, Release 10.6(x)*.
	Sampled Netflow support on N9364E-SG2-O and N9364E-SG2-Q switches	Beginning from Cisco NX-OS Release 10.6(2)F, the Sampled NetFlow (SNF) feature provides packet-level traffic sampling for IPv4 and IPv6 flows, allowing administrators to collect representative network data at a configurable sampling rate. The sampled flow records are exported in NetFlow version 9 format for analysis, accounting, and traffic engineering. This feature is supported only on N9364E-SG2-O and N9364E-SG2-Q switches. For more information, see *Cisco Nexus 9000 Series NX-OS System Management Configuration Guide, Release 10.6(x)*.
	Full netflow version 9 support on 9300-SE1 and 9300-SE1U switches	Beginning with NX-OS Release 10.6(2)F, full netflow version 9 support for 64k v4/v6 flow-records/sec, 1M flow-records cached for export to any collector is supported on 9300-SE1 and 9300-SE1U switches. For more information, see *Cisco Nexus 9000 Series NX-OS System Management Configuration Guide, Release 10.6(x)*.
	Layer 3 Heavy Routing Template	Beginning with Cisco NX-OS Release 10.6(2)F, Cisco Nexus 9000 Series switches support the Layer 3 Heavy Routing Template. This feature increases route scale for IPv4 and IPv6 unicast routing by reallocating hardware resources, enabling support for larger routing tables in high-scale data center and cloud environments. For more information, see *Cisco Nexus 9000 Series NX-OS Unicast Routing Configuration Guide, Release 10.6(x)*.

Feature Impact	Feature Name	Description
	Layer 2 MAC based Segmentation without SVI	Beginning with Nexus Release 10.6.2(F), MAC based micro-segmentation is supported without an associated-vrf or SVI. This enhancement helps simplify network design and improve operational flexibility. For more information see, *Cisco Nexus 9000 Series NX-OS VXLAN Configuration Guide, Release 10.6(x)*.
Licensing	SLP Licensing support on Cisco Nexus 9396Y12C-SE1 switch	Starting from Cisco NX-OS Release 10.6(2)F, Smart Licensing using Policy (SLP) is supported on Cisco Nexus 9396Y12C-SE1 switch. For more information, see *Cisco Nexus 9000 and 3000 Series NX-OS Smart Licensing Using Policy User Guide*.
	SLP Licensing support on Cisco Nexus 9396T12C-SE1 switch	Starting from Cisco NX-OS Release 10.6(2)F, Smart Licensing using Policy (SLP) is supported on Cisco Nexus 9396T12C-SE1 switch. For more information, see *Cisco Nexus 9000 and 3000 Series NX-OS Smart Licensing Using Policy User Guide*.
Programmability	DME model for RTP flow monitoring	Beginning with Cisco NX-OS Release 10.6(2)F, DME support is added to get the on-change details of RTP flows that are experiencing losses. For more information, see *Cisco Nexus 3000 and 9000 Series NX-API REST SDK User Guide and API Reference, Release 10.6(x)*.
	Third-Party Application (TPA) Container Hosting	Beginning with Cisco NX-OS Release 10.6(2), administrators and automation systems can deploy, manage, and monitor third-party Linux container applications natively on Cisco Nexus 9000 switches, without the need for external servers. For more information, see *Cisco Nexus 9000 Series NX-OS Programmability Guide, Release 10.6(x)*.
	SSH Connectivity through kstack	Beginning with Cisco NX-OS Release 10.6(2)F, SSH connections can be accepted over the Linux kernel network stack (kstack) in addition to the existing netstack path. The SSH daemon (sshd) will start on the configured loopback interface and default SSH port. For more information, see *Cisco Nexus 9000 Series NX-OS Programmability Guide, Release 10.6(x)*.
	syslog gnmi.subscribe on openconfig	Beginning with Cisco NX-OS Release 10.6(2)F, you can retrieve SYSLOG data through gNMI. It is supported only through “ONCE” and “ON_CHANGE” subscribe RPC. It doesnt support app-name, msgid, and procid properties. For more information, see https://developer.cisco.com/docs/cisco-nexus-3000-and-9000-series-nx-api-rest-sdk-user-guide-and-api-reference-release-10-6-x-/.
	Support for system.ping and system.traceroute	Beginning with Cisco NX-OS Release 10.6(2)F, support is added for • system.ping • system.traceroute • Plugins for containers For more information, see *Cisco Nexus 9000 Series NX-OS Programmability Guide, Release 10.6(x)*.

Feature Impact	Feature Name	Description
Security	RACL on SVI	Beginning with Cisco NX-OS Release 10.6(2)F, RACL support is available on SVI interfaces for Cisco Nexus 9364E-SG2 Series switches. For more information, see *Cisco Nexus 9000 Series NX-OS Security Configuration Guide, Release 10.6(x)*.
	Support for Storm Control on Cisco N9300 Series smart switches	Beginning with Cisco NX-OS Release 10.6(2)F, traffic storm control supports 1R2C on Cisco N9300 Series smart switches. For more information, see *Cisco Nexus 9000 Series NX-OS Security Configuration Guide, Release 10.6(x)*.
	CDP enhancement for second port disconnect	Beginning with Cisco NX-OS Release 10.6(2)F, the Cisco Discovery Protocol (CDP) enhancement for Second Port Disconnect enables a Cisco IP phone to send a CDP message to the connected switch when a host device is unplugged from the phone's PC port. For more information, see *Cisco Nexus 9000 Series NX-OS Security Configuration Guide, Release 10.6(x)*.
	Enforce mode support for Cisco Live Protect	Starting from Cisco NX-OS Release 10.6(2)F, support for enforce mode is introduced for the Cisco Live Protect feature on the Nexus switches. the enforce mode proactively safeguards the Nexus switches by applying kernel-level security policies with NXSecure and supports continuous protection against emerging Common Vulnerabilities and Exposures (CVEs) while maintaining operational stability. For more information, see *Cisco Nexus 9000 Series NX-OS Security Configuration Guide, Release 10.6(x)*.
Upgrade	Firmware upgrade on QSFP on non-ZR optics	Beginning from Cisco NX-OS Release 10.6(2)F, the Transceiver firmware upgrade using NX-OS commands feature allows the users to download, install, and manage firmware updates for all Command Data Block (CDB) supported transceivers (CMIS 4.0 and above) or optical transceivers across multiple hardware platforms. For more information, see *Cisco Nexus 9000 Series Software Upgrade and Downgrade Guide, Release 10.6(x)*.
	MACsec ND ISSU	Beginning with Cisco NX-OS Release 10.6(2)F, Nexus 9300-GX2, H2R, and H1 switches support non-disruptive ISSU on switches that have MACsec-enabled interfaces. Two new commands have been introduced at the MACsec policy level to support this feature. For more information, see *Cisco Nexus 9000 Series NX-OS Software Upgrade and Downgrade Guide, Release 10.6(x)* and *Cisco Nexus 9000 Series NX-OS Security Configuration Guide, Release 10.6(x)*.

New hardware features

This section provides a brief description of the new hardware features introduced in Cisco NX-OS Release 10.6(2)F.

Nexus 9396Y12C-SE1

Cisco Nexus 9396Y12C-SE1 switch is a 2-RU fixed-port switch designed for Top-of-Rack deployment in data centers. The switch supports layer 2 and layer 3 configurations. It supports 12 QSFP28 ports and uses the Silicon One® E100 ASIC.

For supported features on Cisco Nexus 9396Y12C-SE1 switch, see Cisco Nexus 9396Y-SE1 READ ME FIRST.

Nexus 9396T12C-SE1

Cisco Nexus 9396T12C-SE1 switch is a 2-RU fixed-port switch designed for Top-of-Rack deployment in data centers. The switch supports Layer 2 (L2) and Layer 3 (L3) configurations. It uses the Silicon One® E100 ASIC with MACsec capability on all ports.

For supported features on Cisco Nexus 9396T12C-SE1 switch, see Cisco Nexus 9396T-SE1 READ ME FIRST.

N9K-C9800-SUP-B

Cisco Nexus N9K-C9800-SUP-B provides a capacity of 8-core x86 CPU at 2.7GHz with 64GB RAM. The supervisor engine supports 1 RJ-45 Ethernet management port and 2 SFP+ management ports and 256 GB of SSD storage.

Resolved issues

This table lists the resolved issues in this specific software release.

Note: This software release may contain bug fixes first introduced in other releases. To see additional information, click the bug ID to access the Cisco Bug Search Tool.

Table 2. Resolved issues for Cisco Nexus 9000 Series switches, Release 10.6(2)F

Bug ID	Headline
CSCwf40627	N9K - CDP neighbor's Platform ID is incomplete when larger than 16 characters
CSCwf66873	BGP Advertise-map non-exist-map will not function with match attribute statements
CSCwj27201	VXLAN Consistency Checker Shows Incorrect EVI RD/RT Config When Not Using " rd auto"
CSCwk70839	Evaluation of n9k-standalone-sw for BlastRADIUS vulnerability
CSCwm89236	Switch fails to establish TCP using IPv4 to CSLU if source-interface and IPv6 address are configured
CSCwn26644	Secure Syslog session won't re-establish automatically if TCP session goes down
CSCwn53876	'show logging log' Command Displays Log Entries in Incorrect Timestamp Order
CSCwn62420	N9K-C9348GC-FX3 overheating transceiver when NXA-SFAN-30CFM-PE is used
CSCwo57673	Sporadic PTP corrections on N9K-C93180YC-FX3
CSCwo75612	High Temperature for certain QSFPs on N93180YC-FX3 & N9364C-H1
CSCwo80481	Clearing the IP ARP suppression cache incorrectly returns an error stating that the cache failed to clear
CSCwo94451	Unknown Unicast Frames with Ethertype 0x0000 Flooded and Looped by vPC VTEPs in eVPN Fabric
CSCwp29050	Guestshell traffic breaks as the source defaults to the primary IP despite a secondary IP.

Bug ID	Headline
CSCwp35926	NXOS - OSPFv3 adj to FTD fails with IPSec ESP Auth
CSCwp37399	GX2 non-retimer ports in breakout config and running auto-negotiation might not link up occasionally.
CSCwp37753	Link never comes up for connection between MACSec/retimer ports on N9K-X98900CD-A line cards
CSCwp92116	n9k/vxlan/vpc/xconnect - vpc primary shut down cause flap on xconnect session from vpc secondary
CSCwq07875	SPAN Session Not Mirroring Traffic from Port-Channels After Interface Bounces
CSCwq10716	Light levels on N2k FEX report different values after NX-OS upgrade
CSCwq14316	show ip route detail shows hex values when total routes are more than 1000
CSCwq14936	Issue with RIP Summary Route Propagation on Nexus 9000
CSCwq20968	Fabric link tracking is not working as expected with vPC Fabric Peering when peer keep-alive link is down
CSCwq21628	N9K - "snmp-server source-interface informs" command removed when config profile is present
CSCwq23068	kernel panic at mts_sys_get_HA_state
CSCwq26438	Memory leak when GRPC polling rtp flow stats
CSCwq26517	N9K DNS: source-interface not working for ip name-server command in 10.5(3)
CSCwq27803	Bandwidth remaining percent values are not honored on R series Line card
CSCwq31398	SNMP-Server Community string not displaying 32 character community
CSCwq32191	N9K -FX3: VXLAN storm-control DCI bandwidth does not update after BGW reload
CSCwq35843	STP crash while using private-vlan trunk promiscuous
CSCwq38959	Traffic failed over ND_ISSU with mixed speed (1G/2.5G)
CSCwq41205	N9K - QSFP-100G-SR1.2 is treated as a "non-fiber port" by UDLD.
CSCwq47988	NXOS : N9K-C93108TC-FX3P : 1gig copper interface randomly enters an Rx path stuck state
CSCwq49850	Random macsec packets(control and data frame) corrupted leading to macsec tear down or ospf/bfd to be impacted
CSCwq52210	Multiple Ports flaps on N9K-X96136YC-R when one port goes down
CSCwq58774	When sub-interface of an access-side Layer3 Port-Channel (i.e. Po1.100) is added, MPLS traffic is dropped on the MPLS-enabled interface where it arrived
CSCwq59640	Routes Redistributed into RIP Have Metric 0 After RIP Instance Restart

Bug ID	Headline
CSCwq64732	Applying snmp configuration on a device with type 6 encryption enabled, makes the snmp process to crash
CSCwq70642	ePBR ACL policy not configured in the hardware after VRF membership change on policy interface
CSCwq79630	show flow monitor xxxx cache show empty output
CSCwq95935	BGP next-hop filtering does not properly match source protocol during next hop evaluation
CSCwq96001	Switch crashes with Kernel Panic, Service: system crash
CSCwq99853	N9364E: High temperature caused by low fan speed.
CSCwr00321	Unexpected TCAM free space value when carving space to " egr-netflow" .
CSCwr01636	Incorrect Redirect ACL programming leading to packet drop on Egress
CSCwr02378	CLI CR incorrectly fails because of error: Cannot give a peer's address as router-id
CSCwr04045	Add fast link recovery during link faults
CSCwr05122	Links went down and did not come back up, TX NA, all ports affected
CSCwr06060	copy http bootflash should support FQDN with source-interface option
CSCwr08364	Nexus Prefix-List name auto-completion causes incorrect list selection when multiple similar names exist
CSCwr09032	packet truncation is not honoured at instance when control plane packet is received
CSCwr10001	NPACL GRACEFUL_EXIT prevents subsequent ACL updates
CSCwr10308	Vlan mapping config removal breaks other vlan mappings
CSCwr18454	Egress QoS Policy on Eth1/1 causes L2ACLRedirect Diag failure and Kernel Panic
CSCwr23951	Incorrect enforce-first-as behavior with ATTR_SET
CSCwr26610	Routes received from eBGP neighbors are not advertised to peers and advertisement timer is not running.
CSCwr30738	STP Interface Port ID/Prio.Nbr Changed Post-Upgrade
CSCwr33046	duplicate entries in NTP configuration, N9k
CSCwr37818	match rpki and set attribute does not work on ebgp inbound route-map if rmap has match ip address
CSCwr44334	Traffic not egressing out on NDB Nexus switch because of Met_ptr space is full
CSCwr48569	POED syslog improperly formatted
CSCwr49862	yum.plugin.pubkey_import.log consuming all filesystem space in /var/volatile/log

Bug ID	Headline
CSCwr55605	Clearing mac on one port lead to FLUSH for some MAC addresses in non-related VLAN
CSCwr56724	BGP sessions using type 6 encryption fail after device power-cycle
CSCwr61228	when one next-hop static route down the BGP default route learned will disappears
CSCwr61312	Compatibility check marks hidden ITD configuration " set ip next-hop verify-availability force-order" as incompatible
CSCwr63363	MACsec session drops causing CDP neighbor loss and traffic disruption on the system
CSCwr66389	n9k/ptp: Follow up packet not send out ot of " master" port
CSCwr66645	vPC bringup delay with double failure of Peer-Link followed by Peer Keepalive
CSCwr67091	N9300-FX3/FX3S may suddenly bring down all active connected interfaces
CSCwr67663	Not able to delete a invalid /0 network command under BGP address-family
CSCwr68020	Nexus 9500 supported linecard check not working during upgrade
CSCwr68860	Type-6: Radius/Tacacs AAA using type-6 with TAM is not working when reload due to internal file issue
CSCwr70144	N9K - iftmc crash after removing vlan from trunk port and deleting the vlan
CSCwr71686	N9K-C93180YC-FX unexpected reboot when port-channel no-shut after upgrading to 10.6.1
CSCwr86171	Nginx Crash in 10.4 in NXOS 9300 Switch
CSCwr87622	OTM Crash after reconfiguring track N9k running 10.3

Open issues

This table lists the open issues in this specific software release.

Note: This software release may contain open bugs first identified in other releases. To see additional information, click the bug ID to access the Cisco Bug Search Tool.

Table 3. Open issues for Cisco Nexus 9000 Series switches, Release 10.6(2)F

Bug ID	Headline
CSCwq16614	N9K FX3P 1G ports with MACsec enabled drop Layer 2 (L2) traffic
CSCwq30014	Traffic is taking Queue 0 on " clear mac address-table dynamic"
CSCwr37796	Packets drop observed during FCoE uplink PO member port update
CSCwr42548	External application should not be allowed to remove CoPP from config
CSCwr48487	Fs-daemon failures with large amount of files in bootflash

Bug ID	Headline
CSCwr51176	GRE traffic is dropped if it needs to cross the Peer-Link and a tunnel interface is configured on the switch
CSCwr55119	On 10.6(2) N9364E-SG2-O/N9364E-SG2-Q config-replace fails static-pinning on break-out interface for cr-verify-and-commit
CSCwr56269	Interface output discard counter toggling between 0 and 1551988 repeatedly
CSCwr69167	N9K-C9332D-GX2B and N9K-C93180YC-FX with 4x10G CU5M :On Peer side shut/no shut , complete traffic will be lost
CSCwr69853	n9k/ptp:After failover GM (between GMs or between different ports) MDP appear to stuck in same value
CSCwr78720	OSPF sessions flaps with mcast storm traffic on interface configured for mcast storm and trap action
CSCwr79751	Missing IPv6 ACL for HTTP/NTP/FTP/etc. traffic under class-management
CSCwr84408	Dot1Q Header stripped when redirected via TAP-Agg on N9K-GX
CSCwr85409	Traffic Drop seen with multiple sak rekeys on N9396Y12C-SE1,N9336C-SE1,N9396T12C-SE1,N9348Y2C6D-SE1U,N9324C-SE1U
CSCws09585	Observing no mirror packets when ERSPAN SPAN destination is a port-channel in GX and FX3 LC cards
CSCws16162	N9K link using a GLC-TE transceiver operates at half duplex when the remote device port is set to 100 M full duplex

Known issues

This table lists the limitations for this release. Click the bug ID to access the Cisco Bug Search Tool and see additional information.

Table 4. Known issues for Cisco Nexus 9000 Series switches, Release 10.6(2)F

Bug ID	Headline
CSCvt37624	'The BGP instance is not in expected state' after quick bgp unconfig / reconfig with 700K ipv4 pfx
CSCvz63028	traditional mpls strip not working with Multicast dst-mac
CSCwh44244	DME inconsistency in sys/mplsta-[eth1/7/1] object after some CLI sequence
CSCwh88451	URIB crashed on urib_chlist_segv_handler after restarting bgp and urib together
CSCwi22304	TTL is not decremented for decap L3 VPN traffic on N9800
CSCwi24238	With NDFC/auto-config, VPC peer-link stays down on disable 'feature tunnel-encryption'
CSCwi57646	ESG_SGACL: Source of MAC detail is not seen in json output of MAC table

Bug ID	Headline
CSCwi87175	slight drop in L2 multicast performance in N9K-C9364C-H1 switch
CSCwi95768	Loopback Ping is not working after enabling MPLS LDP at Interface
CSCwi95977	DME CC failure for mutiisite virtual rmac
CSCwq46356	Link down during firmware activation from 71.110.17 to latest version on DP04QSDD-E25-001(ZR)
CSCwr42082	0 unicast packets 0 multicast packets 0 broadcast packets not working on N9336C-SE1 pids - N9K-C9808,N9K-C9804
CSCwr44095	On 800g optics, xcvr type is changed
CSCwr44194	Auth Mode is not " remote" for remote users post ISSU from 10.6(1) to 10.6.(2)
CSCwr50915	N9396T12C-SE1 QSFP port (97-108) with link having Copper cable does not come up as these ports does not support auto negotiation. For copper cables " no negotiate auto" needs to be configured.
CSCwr99585	NFM-RTP-SCALE: gNMIC get fails for RTP flows greater than 16K

Scalability

Cisco NX-OS configuration limits for Cisco Nexus 9000 Series switches are described in the Verified Scalability Guide. See Cisco Nexus 9000 Series NX-OS Verified Scalability Guide, Release 10.6(2)F.

Supported hardware

This section lists the hardware support information for Cisco Nexus 9000 Series switches

Table 5. Cisco Nexus 9800 Switches

Product ID	Description
N9K-C9808	16-RU modular switch with slots for up to 8 Line Cards in addition to 2 supervisors, 8 fabric modules, 4 fan trays, and 3 power trays.
N9K-C9804	10-RU modular switch with slots for up to 4 Line Cards in addition to 2 supervisors, 8 fabric modules, 4 fan trays, and 2 power trays.

Table 6. Cisco Nexus 9800 Series Line Cards

Product ID	Description
N9K-X9836DM-A	Cisco Nexus 9800 36-port 400G QSFP-DD Line Card with MACsec.
N9K-X98900CD-A	Cisco Nexus 9800 14-port 400G QSFP-DD + 34-port 100G QSFP28 Line Card.

Table 7. Cisco Nexus 9800 Series Fabric Modules

Product ID	Description
N9K-C9808-FM-A	Cisco Nexus 9800 Fabric Module for 8-slot Chassis
N9K-C9804-FM-A	Cisco Nexus 9800 Fabric Module for 4-slot Chassis

Table 8. Cisco Nexus 9800 Supervisor Module

Product ID	Description
N9K-C9800-SUP-A	Cisco Nexus 9800 Platform Supervisor Module
N9K-C9800-SUP-B	Cisco Nexus 9800 Platform Supervisor Module

Table 9. Cisco Nexus 9800 Fans and Fan Trays

Product ID	Description
N9K-C9808-FAN-A	Cisco Nexus 9800 8-slot chassis fan tray (1st Generation)
N9K-C9804-FAN-A	Cisco Nexus 9800 4-slot chassis fan tray (1st Generation)

Table 10. Cisco Nexus 9800 Power Supplies

Product ID	Description
N9K-HV 6.3KW 20A-A	Cisco Nexus 9800 6,300W 20A AC and HV Power Supply

Table 11. Cisco Nexus 9500 Switches

Product ID	Description
N9K-C9504	7-RU modular switch with slots for up to 4 Line Cards in addition to two supervisors, 2 system controllers, 3-6 fabric modules, 3 fan trays, and up to 4 power supplies.
N9K-C9508	13-RU modular switch with slots for up to 8 Line Cards in addition to two supervisors, 2 system controllers, 3-6 fabric modules, 3 fan trays, and up to 8 power supplies.
N9K-C9516	21-RU modular switch with slots for up to 16 Line Cards in addition to two supervisors, 2 system controllers, 3-6 fabric modules, 3 fan trays, and up to 10 power supplies.

Table 12. Cisco Nexus 9500 Cloud Scale Line Cards

Product ID	Description	Maximum Quantity		
		Cisco Nexus 9504	Cisco Nexus 9508	Cisco Nexus 9516
N9K-X9716D-GX	Cisco Nexus 9500 16-port 400G QSFP-DD Line Card	4	8	N/A

Product ID	Description	Maximum Quantity		
		Cisco Nexus 9504	Cisco Nexus 9508	Cisco Nexus 9516
N9K-X9736C-FX	Cisco Nexus 9500 36-port 40/100 Gigabit Ethernet QSFP28 Line Card	4	8	16
N9K-X9788TC-FX	Cisco Nexus 9500 48-port 1/10-G BASE-T Ethernet and 4-port 40/100 Gigabit Ethernet QSFP28 Line Card	4	8	16
N9K-X97160YC-EX	Cisco Nexus 9500 48-port 10/25-Gigabit Ethernet SFP28 and 4-port 40/100 Gigabit Ethernet QSFP28 Line Card	4	8	16
N9K-X9732C-FX	Cisco Nexus 9500 32-port 40/100 Gigabit Ethernet QSFP28 Line Card	4	8	16
N9K-X9736C-FX3	Cisco Nexus 9500 36-port 100-Gigabit Ethernet QSFP28 line card	4	8	16

Table 13. Cisco Nexus 9500 R-Series Line Cards

Product ID	Description	Maximum Quantity	
		Cisco Nexus 9504	Cisco Nexus 9508
N9K-X9636C-R	Cisco Nexus 9500 36-port 40/100 Gigabit Ethernet QSFP28 Line Card	4	8
N9K-X9636C-RX	Cisco Nexus 9500 36-port 40/100 Gigabit Ethernet QSFP28 Line Card	4	8
N9K-X9636Q-R	Cisco Nexus 9500 36-port 40-Gigabit Ethernet QSFP Line Card	4	8
N9K-X96136YC-R	Cisco Nexus 9500 16-port 1/10 Gigabit, 32-port 10/25 Gigabit, and 4-port 40/100 Gigabit Ethernet Line Card	4	8
N9K-X9624D-R2	Cisco Nexus 9500 24-port 400-Gigabit QDD Line Card	Not supported	8

Table 14. Cisco Nexus 9500 Cloud Scale Fabric Modules

Product ID	Description	Minimum	Maximum
N9K-C9504-FM-E	Cisco Nexus 9504 100-Gigabit cloud scale fabric module	4	5
N9K-C9504-FM-G	Cisco Nexus 9500 4-slot 1.6Tbps cloud scale fabric module	4	5
N9K-C9508-FM-E	Cisco Nexus 9508 100-Gigabit cloud scale fabric module	4	5
N9K-C9508-FM-E2	Cisco Nexus 9508 100-Gigabit cloud scale fabric module	4	5

Product ID	Description	Minimum	Maximum
N9K-C9508-FM-G	Cisco Nexus 9500 8-slot 1.6Tbps cloud-scale fabric module	4	5
N9K-C9516-FM-E2	Cisco Nexus 9516 100-Gigabit cloud scale fabric module	4	5

Table 15. Cisco Nexus 9500 R-Series Fabric Modules

Product ID	Description	Minimum	Maximum
N9K-C9504-FM-R	Cisco Nexus 9504 100-Gigabit R-Series fabric module	4	6
N9K-C9508-FM-R	Cisco Nexus 9508 100-Gigabit R-Series fabric module	4	6
N9K-C9508-FM-R2	Cisco Nexus 9508 400-Gigabit R-Series fabric module	4	6

Table 16. Cisco Nexus 9500 Supervisor Modules

Supervisor	Description	Maximum
N9K-SUP-A	1.8-GHz supervisor module with 4 cores, 4 threads, and 16 GB of memory	2
N9K-SUP-A+	1.8-GHz supervisor module with 4 cores, 8 threads, and 16 GB of memory	2
N9K-SUP-B	2.2-GHz supervisor module with 6 cores, 12 threads, and 24 GB of memory	2
N9K-SUP-B+	1.9-GHz supervisor module with 6 cores, 12 threads, and 32 GB of memory	2

Note: N9K-SUP-A and N9K-SUP-A+ are not supported on Cisco Nexus 9504 and 9508 switches with -R and -R2 Line Cards.

Table 17. Cisco Nexus 9500 System Controller

Product ID	Description	Quantity
N9K-SC-A	Cisco Nexus 9500 Platform System Controller Module	2

Table 18. Cisco Nexus 9500 Fans and Fan Trays

Product ID	Description	Quantity
N9K-C9504-FAN	Fan tray for 4-slot modular chassis	3
N9K-C9504-FAN2	Fan tray that supports the Cisco N9K-C9504-FM-G fabric module	3
N9K-C9508-FAN	Fan tray for 8-slot modular chassis	3
N9K-C9508-FAN2	Fan tray that supports the Cisco N9K-C9508-FM-G fabric module	3
N9K-C9516-FAN	Fan tray for 16-slot modular chassis	3

Table 19. Cisco Nexus 9500 Fabric Module Blanks with Power Connector

Product ID	Description	Minimum	Maximum
N9K-C9504-FAN-PWR	Cisco Nexus 9500 4-slot chassis 400G cloud scale fan tray power connector	1	2
N9K-C9508-FAN-PWR	Cisco Nexus 9500 4-slot chassis 400G cloud scale fan tray power connector	1	2

Table 20. Cisco Nexus 9500 Power Supplies

Product ID	Description	Quantity	Cisco Nexus Switches
N9K-PAC-3000W-B	3-KW AC power supply	Up to 4 Up to 8 Up to 10	Cisco Nexus 9504 Cisco Nexus 9508 Cisco Nexus 9516
N9K-PDC-3000W-B	3-KW DC power supply	Up to 4 Up to 8 Up to 10	Cisco Nexus 9504 Cisco Nexus 9508 Cisco Nexus 9516
N9K-PUV-3000W-B	3-KW Universal AC/DC power supply	Up to 4 Up to 8 Up to 10	Cisco Nexus 9504 Cisco Nexus 9508 Cisco Nexus 9516
N9K-PUV2-3000W-B	3.15-KW Dual Input Universal AC/DC Power Supply	Up to 4 Up to 8 Up to 10	Cisco Nexus 9504 Cisco Nexus 9508 Cisco Nexus 9516

Table 21. Cisco Nexus 9400 Switches

Product ID	Description
N9K-C9408	4-RU, 8-slot centralized modular chassis switch, which is configurable with up to 128 200-Gigabit QSFP56 (256 100 Gigabit by breakout) ports or 64 400-Gigabit ports.
N9K-C9400-SUP-A	Cisco Nexus 9400 Supervisor Card
N9K-C9400-SW-GX2A	Cisco Nexus 9400 25.6Tbps Switch Card
N9K-X9400-8D	Cisco Nexus 9400 8p 400G QSFP-DD LEM
N9K-X9400-16W	Cisco Nexus 9400 16p 200G QSFP56 LEM
N9K-X9400-22L	Cisco Nexus 9400 LEM with 22 10G/25G/50G ports.

Table 22. Cisco Nexus 9200 and 9300 Switches

Cisco Nexus Switch	Description
N9K-C92348GC-FX3	1 RU fixed-port switch 48 10/100/1000M copper RJ-45 downlink ports, 4 10-/25G SFP28 uplink ports, and 2 40-/100G QSFP28 uplink ports.
N9K-C93400LD-H1	1-RU fixed-port, L2/L3 switch with 48 50G SFP56 ports and 4 400G QSFP-DD uplink ports.
N9K-C93108TC-FX3	1 RU fixed-port switch Forty-eight 100M/1G/10GBASE-T ports (ports 1-48), Six 40/100-Gigabit ports QSFP28 (ports 49-54), Two management ports (one 10/100/1000BASE-T port and one SFP port), One console port (RS-232), and one USB port.
N9K-C9332D-H2R	1-RU fixed-port switch with 400-Gigabit QSFP-DD ports (32), 10-Gigabit SFP+ ports (2), Management ports (one 10/100/1000BASE-T port and one SFP port), console port (RS-232), and USB port.
N9K-C9348GC-FX3	1 RU fixed-port switch 48 10/100/1000M copper RJ-45 downlink ports, 4 10-/25G SFP28 uplink ports, and 2 40-/100G QSFP28 uplink ports.
N9K-C9348GC-FX3PH	1-RU fixed-port switch 40 10M/100M/1G copper RJ-45 downlink ports that support PoE/PoE+/PoE++ and 8 10M/100M copper RJ-45 downlink ports that support PoE/PoE+/PoE++, 4 10-/25G SFP28 uplink ports, and 2 40-/100G QSFP28 uplink ports.
N9K-C93180YC-FX3H	1-RU fixed-port switch with 24 100M/1/10/25-Gigabit Ethernet SFP28 ports (ports 1-24), 6 10/25/40/50/100-Gigabit QSFP28 ports (ports 49-54), One management port (one 10/100/1000BASE-T port), and One console port (RS-232)
N9K-C9316D-GX	1-RU switch with 16x400/100/40-Gbps ports.
N9K-C9364C-GX	2-RU fixed-port switch with 64 100-Gigabit SFP28 ports.
N9K-C93600CD-GX	1-RU fixed-port switch with 28 10/40/100-Gigabit QSFP28 ports (ports 1-28), 8 10/40/100/400-Gigabit QSFP-DD ports (ports 29-36)
N9K-C9364C-H1	2-RU fixed-port switch with 64 100G SFP28 ports.
N9K-C9332D-GX2B	1-Rack-unit (1-RU) spine switch with 32p 400/100-Gbps QSFP-DD ports and 2p 1/10 SFP+ ports.
N9K-C9348D-GX2A	48p 40/100/400-Gigabit QSFP-DD ports and 2p 1/10G/10G SFP+ ports
N9K-C9364D-GX2A	64p 400/100-Gigabit QSFP-DD ports and 2p 1/10 SFP+ ports
N9K-C93180YC-FX3	48 1/10/25 Gigabit Ethernet SFP28 ports (ports 1-48) 6 10/25/40/50/100-Gigabit QSFP28 ports (ports 49-54)
N9K-C93180YC-FX3S	48 1/10/25 Gigabit Ethernet SFP28 ports (ports 1-48) 6 10/25/40/50/100-Gigabit QSFP28 ports (ports 49-54)
N9K-C9336C-FX2-E	1-RU switch with 36 40-/100-Gb QSFP28 ports
N9K-C9336C-FX2	1-RU switch with 36 40-/100-Gb Ethernet QSFP28 ports

Cisco Nexus Switch	Description
N9K-C93360YC-FX2	2-RU switch with 96 10-/25-Gigabit SFP28 ports and 12 40/100-Gigabit QSFP28 ports
N9K-C93240YC-FX2	1.2-RU Top-of-Rack switch with 48 10-/25-Gigabit SFP28 fiber ports and 12 40-/100-Gigabit Ethernet QSFP28 ports.
N9K-C93216TC-FX2	2-RU switch with 96 100M/1G/10G RJ-45 ports, 12 40/100-Gigabit QSFP28 ports, 2 management ports (one RJ-45 and one SFP port), 1 console port, and 1 USB port.
N9K-C93180YC-FX	1-RU Top-of-Rack switch with 10-/25-/32-Gigabit Ethernet/FC ports and 6 40-/100-Gigabit QSFP28 ports. You can configure the 48 ports as 1/10/25-Gigabit Ethernet ports or as FCoE ports or as 8-/16-/32-Gigabit Fibre Channel ports.
N9K-C93180YC-FX-24	1 RU 24 1/10/25-Gigabit Ethernet SFP28 front panel ports and 6 fixed 40/100-Gigabit Ethernet QSFP28 spine-facing ports. The SFP28 ports support 1-, 10-, and 25-Gigabit Ethernet connections and 8-, 16-, and 32-Gigabit Fibre Channel connections.
N9K-C93108TC-FX	1-RU Top-of-Rack switch with 48 100M/1/10GBASE-T (copper) ports and 6 40-/100-Gigabit QSFP28 ports
N9K-C93108TC-FX-24	1 RU 24 1/10GBASE-T (copper) front panel ports and 6 fixed 40/100-Gigabit Ethernet QSFP28 spine-facing ports.
N9K-C93108TC-FX3P	1-RU fixed-port switch with 48 100M/1/2.5/5/10GBASE-T ports and 6 40-/100-Gigabit QSFP28 ports
N9K-C9348GC-FXP [1]	Cisco Nexus 9300 with 48p 100M/1 G, 4p 10/25 G SFP+ and 2p 100 G QSFP

Table 23. Cisco Nexus 9200 and 9300 Fans and Fan Trays

Product ID	Description	Quantity	Cisco Nexus Switches
NXA-SFAN-30CFM-PE	Fan module with port-side exhaust airflow (blue coloring)	3	9348GC-FX3
NXA-SFAN-30CFM-PI	Fan module with port-side intake airflow (burgundy coloring)	3	9348GC-FX3
NXA-SFAN-30CFM-PE	Fan module with port-side exhaust airflow (blue coloring)	3	9348GC-FX3PH
NXA-SFAN-30CFM-PI	Fan module with port-side intake airflow (burgundy coloring)	3	9348GC-FX3PH

[1] For N9K-C9348GC-FXP the PSU SPROM is not readable when the PSU is not connected. The model displays as "UNKNOWN" and status of the module displays as "shutdown."

Product ID	Description	Quantity	Cisco Nexus Switches
NXA-SFAN-35CFM-PI	Fan module with port-side intake airflow (burgundy coloring)	6 5 4	9332D-H2R 93400LD-H1 93108TC-FX3
NXA-SFAN-35CFM-PE	Fan module with port-side exhaust airflow (blue coloring)	6 5 4	9332D-GX2B 93400LD-H1 93108TC-FX3
NXA-SFAN-35CFM-PI	Fan module with port-side intake airflow (burgundy coloring)	6	9332D-GX2B
NXA-FAN-160CFM-PE	Fan module with port-side exhaust airflow (blue coloring)	3	9364C [2] 93360YC-FX2
NXA-FAN-160CFM-PI	Fan module with port-side intake airflow (burgundy coloring)	3	9364C **Error! Reference source not found.**[1] **Error! Reference source not found.Error! Reference source not found.Error! Reference source not found.Error! Reference source not found.**93360YC-FX2**Error! Reference source not found.Error! Reference source not found.**
NXA-FAN-160CFM2-PE	Fan module with port-side exhaust airflow (blue coloring)	4	9364C-GX
NXA-FAN-160CFM2-PI	Fan module with port-side intake airflow (burgundy coloring)	4	9364C-GX
NXA-FAN-30CFM-B	Fan module with port-side intake airflow (burgundy coloring)	3	93108TC-FX 93180YC-FX 9348GC-FXP
NXA-FAN-30CFM-F	Fan module with port-side exhaust airflow (blue coloring)	3	93108TC-FX 93180YC-FX 9348GC-FXP

[2] For specific fan speeds see the Overview section of the Hardware Installation Guide.

Product ID	Description	Quantity	Cisco Nexus Switches
NXA-FAN-35CFM-PE	Fan module with port-side exhaust airflow (blue coloring)	4 6	92300YC Error! Reference source not found.[1] 9332C Error! Reference source not found.[1] 93180YC-FX3S [3] 93180YC-FX3 93108TC-FX3P 93180YC-FX3H 9336C-FX2-E 9316D-GX 93600CD-GX
NXA-FAN-35CFM-PI	Fan module with port-side intake airflow (burgundy coloring) Fan module with port-side exhaust airflow (blue coloring)	4 6 6	92300YC [1] 9332C [1] 93180YC-FX3S [2] 93180YC-FX3 93108TC-FX3P 93180YC-FX3H 9316D-GX 93600CD-GX 9336C-FX2-E
NXA-FAN-65CFM-PE	Fan module with port-side exhaust airflow (blue coloring)	3	93240YC-FX2 [1] 9336C-FX2 [1]
NXA-FAN-65CFM-PI	Fan module with port-side exhaust airflow (burgundy coloring)	3	93240YC-FX2 9336C-FX2 [1]

Table 24. Cisco Nexus 9200 and 9300 Power Supplies

Product ID	Description	Quantity	Cisco Nexus Switches
NXA-PDC-715W-PI	715-W DC power supply with port-side intake airflow (blue coloring)	2	93108TC-FX3P
NXA-PDC-440W-PE	440-W DC power supply with port-side exhaust airflow (blue coloring)	2	9348GC-FX3 9348GC-FX3PH
NXA-PDC-440W-PI	440-W DC power supply with port-side intake airflow (burgundy coloring)	2	9348GC-FX3 9348GC-FX3PH

[3] This switch runs with +1 redundancy mode so that if one fan fails, the switch can sustain operation. But if a second fan fails, this switch is not designed to sustain operation. Hence before waiting for the major threshold temperature to be hit, the switch will power down due to entering the fan policy trigger command.

Product ID	Description	Quantity	Cisco Nexus Switches
NXA-PHV-350W-PE	350-W AC power supply with port-side exhaust airflow (blue coloring)	2	9348GC-FX3 9348GC-FX3PH
NXA-PHV-350W-PI	350-W AC power supply with port-side intake airflow (burgundy coloring)	2	9348GC-FX3 9348GC-FX3PH
NXA-PAC-350W-PE2	350-W AC power supply with port-side exhaust airflow (blue coloring)	2	9348GC-FX3 9348GC-FX3PH
NXA-PAC-350W-PI2	350-W AC power supply with port-side intake airflow (burgundy coloring)	2	9348GC-FX3 9348GC-FX3PH
NXA-PAC-1900W-PE	1900-W AC power supply with port-side exhaust airflow (blue coloring)	2	9348GC-FX3 9348GC-FX3PH
NXA-PAC-1900W-PI	1900-W AC power supply with port-side intake airflow (burgundy coloring)	2	9348GC-FX3 9348GC-FX3PH
NXA-PHV-2KW-PI	2000-W HVDC power supply with port-side intake airflow (burgundy coloring)	2	9332D-H2R 93400LD-H1
NXA-PAC-1500W-PE	1500-W AC power supply with port-side exhaust airflow (blue coloring)	2	9332D-GX2B
NXA-PAC-1500W-PI	1500-W AC power supply with port-side intake airflow (burgundy coloring)	2	9332D-GX2B
NXA-PAC-500W-PE	500-W AC power supply with port-side exhaust airflow (blue coloring)	2	93180YC-FX 93108TC-FX3
NXA-PAC-500W-PI	500-W AC power supply with port-side intake airflow (burgundy coloring)	2	93180YC-FX 93108TC-FX3
NXA-PAC-650W-PE	650-W AC power supply with port-side exhaust (blue coloring)	2	92300YC 93180YC-FX3S 93180YC-FX3 93180YC-FX3H
NXA-PAC-650W-PI	650-W AC power supply with port-side intake (burgundy coloring)	2	92300YC 93180YC-FX3S 93180YC-FX3 93180YC-FX3H
NXA-PAC-750W-PE	750-W AC power supply with port-side exhaust airflow (blue coloring) 1	2	9336C-FX2 9336C-FX2-E 9332C 93240YC-FX2
NXA-PAC-750W-PI	750-W AC power supply with port-side intake airflow (burgundy coloring) 1	2	9336C-FX2 9336C-FX2-E 9332C 93240YC-FX2

Product ID	Description	Quantity	Cisco Nexus Switches
NXA-PAC-1100W-PE3	1100-W AC power supply with port-side exhaust airflow (blue coloring)		9316D 93240YC-FX2 93540CD-GX 9336C-FX2 9336C-FX2-E 9336C-SE1 93600CD-GX
NXA-PAC-1100W-PI3	1100-W AC power supply with port-side intake airflow (burgundy coloring)		9316D 93240YC-FX2 93540CD-GX 9336C-FX2 9336C-FX2-E 9336C-SE1 93600CD-GX
NXA-PAC-1100W-PE2	1100-W AC power supply with port-side exhaust airflow (blue coloring)	2	93240YC-FX2 9332C 9316D-GX 9336C-FX2 9336C-FX2-E 93600CD-GX
NXA-PAC-1100W-PI2	1100-W AC power supply with port-side intake airflow (burgundy coloring)	2	93240YC-FX2 9332C 9316D-GX 9336C-FX2 9336C-FX2-E 93600CD-GX
NXA-PAC-1100W-PI	Cisco Nexus 9000 PoE 1100W AC PS, port-side intake	2	93108TC-FX3P
NXA-PAC-1100W-PE	Cisco Nexus 9000 PoE 1100W AC PS, port-side exhaust	2	93108TC-FX3P
NXA-PAC-1900W-PI	Cisco Nexus 9000 PoE 1900W AC PS, port-side intake	2	93108TC-FX3P
NXA-PAC-1200W-PE	1200-W AC power supply with port-side exhaust airflow (blue coloring)	2	93360YC-FX2 9364C
NXA-PAC-1200W-PI	1200-W AC power supply with port-side intake airflow (burgundy coloring)	2	93360YC-FX2 9364C
NXA-PAC-1400W-PE	1400-W AC power supply with port-side exhaust airflow (blue coloring)	2	93400LD-H1
NXA-PAC-1400W-PI	1400-W AC power supply with port-side intake airflow (burgundy coloring)	2	93400LD-H1
N9K-PUV-1200W	1200-W Universal AC/DC power supply with bidirectional airflow (white coloring)	2	92300YC 93108TC-FX 93360YC-FX2 93180YC-FX3S 93180YC-FX 9364C 93108TC-FX3

Product ID	Description	Quantity	Cisco Nexus Switches
NXA-PDC-930W-PE	930-W DC power supply with port-side exhaust airflow (blue coloring)	2	93360YC-FX2 93180YC-FX3S 93180YC-FX 9364C 93180YC-FX3H 93108TC-FX3
NXA-PDC-930W-PI	930-W DC power supply with port-side intake airflow (burgundy coloring)	2	93360YC-FX2 93180YC-FX3S 93180YC-FX 9364C 93180YC-FX3H 93108TC-FX3
NXA-PDC-1100W-PE	1100-W DC power supply with port-side exhaust airflow (blue coloring)	2	93240YC-FX2 93600CD-GX 9316D-GX 9332C 9336C-FX2 9336C-FX2-E
NXA-PDC-1100W-PI	1100-W DC power supply with port-side intake airflow (burgundy coloring)	2	93240YC-FX2 93600CD-GX 9316D-GX 9332C 9336C-FX2 9336C-FX2-E
NXA-PHV-1100W-PE	1100-W AC power supply with port-side exhaust airflow (blue coloring)	2	93240YC-FX2 9336C-FX2
NXA-PHV-1100W-PI	1100-W AC power supply with port-side intake airflow (burgundy coloring)	2	93240YC-FX2 9336C-FX2
NXA-PAC-2KW-PE	2000-W AC power supply with port-side exhaust airflow (blue coloring)	2	9364C-GX
NXA-PAC-2KW-PI	2000-W AC power supply with port-side intake airflow (burgundy coloring)	2	9364C-GX 9332D-H2R
NXA-PDC-2KW-PE	2000-W DC power supply with port-side exhaust airflow (blue coloring	2	9364C-GX 93400LD-H1
NXA-PDC-2KW-PI	2000-W DC power supply with port-side intake airflow (burgundy coloring)	2	9364C-GX 9332D-H2R 93400LD-H1
N2200-PAC-400W	400-W AC power supply with port-side exhaust airflow (blue coloring)	2	92348GC-X
N2200-PAC-400W-B	400-W AC power supply with port-side intake airflow (burgundy coloring)	2	92348GC-X
N2200-PDC-350W-B	350-W DC power supply with port-side intake airflow	2	92348GC-X

Product ID	Description	Quantity	Cisco Nexus Switches
N2200-PDC-400W	400-W DC power supply with port-side exhaust airflow (blue coloring)	2	92348GC-X

Compatibility

This section lists compatibility information for Cisco Nexus 9000 Series switches.

Table 25. Cisco Nexus 9500 Cloud Scale Line Cards

Product ID	N9K-C9504-FM-G	N9K-C9508-FM-G	N9K-C9504-FM-E	N9K-C9508-FM-E	N9K-C9508-FM-E2	N9K-C9516-FM-E2
N9K-X9716D-GX	4	4	No	No	No	No
N9K-X9736C-FX	5	5	5	5	5	5
N9K-X9788TC-FX	4	4	4	4	4	4
N9K-X97160YC-EX	4	4	4	4	4	4
N9K-X9732C-FX	4 5 (n+1 redundancy)	4 5 (n+1 redundancy)	4 5 (n+1 redundancy)	4 5 (n+1 redundancy)	4 5 (n+1 redundancy)	4 5 (n+1 redundancy)
N9K-X9736C-FX3	5 (n+1 redundancy)	5 (n+1 redundancy)	5 (n+1 redundancy)	5 (n+1 redundancy)	5 (n+1 redundancy)	5 (n+1 redundancy)

Table 26. Cisco Nexus 9500 R-Series Line Cards

Product ID	N9K-C9504-FM-R	N9K-C9508-FM-R
N9K-X9636C-RX	6	6
N9K-X9636Q-R	4 6 (n+2 redundancy)	4 6 (n+2 redundancy)
N9K-X9636C-R	5 6 (n+1 redundancy)	5 6 (n+1 redundancy)
N9K-X96136YC-R	6	6

Table 27. Cisco Nexus 9500 R2-Series Line Cards

Product ID	N9K-C9508-FM-R2
N9K-X9624D-R2	6

Supported software packages

This section provides information about the release packages associated with Cisco Nexus 9000 Series switches.

Table 28. Software packages for Cisco Nexus 9000 Series switches, Release 10.6(2)F

Software package	Description	Release
nxos64-cs.<version>.bin	64-bit NX-OS core system image for most Cisco Nexus 9000 series switches	10.6(2)F
nxos64-s1.<version>.bin	64-bit NX-OS core system image, mandatory for Cisco Nexus 9800 series switches	10.6(2)F
nxos64-msll.<version>.bin	64-bit NX-OS core system image for Nexus 9000 -R and -R2 modular switches	10.6(2)F
nxos64-s1-dpu.<version>.bin	64-bit NX-OS core system image, mandatory for Cisco Nexus Smart Switches (N9324C-SE1U and N9348Y2C6D-SE1U)	10.6(2)F
nexus9300v.<version>.qcow2 nexus9300v.<version>.ova nexus9300v.<version>.box nexus9500v.<version>.qcow2 nexus9500v.<version>.ova nexus9500v.<version>.box	64-bit NX-OS core system image, mandatory for Cisco Nexus 9000v Series switches	10.6(2)F

Optics

For information about transceivers and cables supported on a switch, see the Transceiver Module (TMG) Compatibility Matrix. For the transceiver specifications and installation information, see the Install and Upgrade Guides.

Related resources

Document Title	Description
Cisco Nexus 9000 Series Switches	Cisco Nexus 9000 Series Switches 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-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 When you downgrade from Cisco NX-OS Release 10.6(1)F to an earlier release, the features that use the ACI+NX-OS Essentials, Advantage, and add-on licenses or the Hardware Streaming Telemetry license continue to work in honor mode in the downgraded version. In addition, the output of the show license usage command continues to include entries for these unsupported licenses.

Document Title	Description
Cisco Nexus 9000 Series NX-OS Software Upgrade and Downgrade Guide	Cisco Nexus 9000 Series Software Upgrade and Downgrade Guide
Cisco Nexus 9000 Series FPGA/EPLD Upgrade Release Notes	Cisco Nexus 9000 Series FPGA/EPLD Upgrade Release Notes
https://cisco.github.io/cisco-mibs/supportlists/nexus9000/Nexus9000MIBSupportList.html	Cisco NX-OS Supported MIBs
Cisco Nexus 9000 Series Switch FEX Support Matrix	Supported FEX modules
Cisco Nexus 9000 Series Hardware Installation Guides	Cisco Nexus 9000 Series Hardware Installation Guides

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