



Cisco Nexus 9000 Series NX-OS Release Notes, Release 6.1(2)I3(3a)

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Current Release: Release 6.1(2)I3(3a)

This document describes the features, caveats, and limitations for Cisco NX-OS Release 6.1(2)I3(3a) software for use on the Cisco Nexus 9000 Series switches and the Cisco Nexus 3164Q switch. Use this document in combination with documents listed in [Related Documentation, page 14](#).

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

Table 1 **Online History Change**

Date	Description
January 26, 2015	Created the release notes for Release 6.1(2)I3(3a).
February 19, 2015	<ul style="list-style-type: none">Added NLB limitation in the “Limitations” section.Added bug ID CSCuq03168 to “Open Caveats—Cisco NX-OS Release 6.1(2)I3(3a)”
February 23, 2015	Added a new line to explain a Cisco ALE port limitation in the “ Limitations ” section.
April 16, 2015	Removed Known Behavior section.
May 4, 2015	Added new limitations in “ Limitations ”.
January 11, 2015	Added link to ALE port limitations in “ Limitations ”.

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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.

The Cisco Nexus 9000 Series uses an enhanced version of Cisco NX-OS software with a single binary image that supports every switch in the series, which simplifies image management.

System Requirements

This section includes the following topics:

- [Supported Device Hardware, page 2](#)
- [Supported Optics, page 6](#)
- [Supported FEX Modules, page 7](#)

Supported Device Hardware

[Table 2](#) lists the Cisco Nexus 9000 Series hardware that Cisco NX-OS Release 6.1(2)I3(3a) supports.

Table 2 *Cisco Nexus 9000 Series Hardware*

Product ID	Hardware	Quantity
N9K-C9516	Cisco Nexus 9516 16-slot chassis	1
N9K-C9516-FM	Cisco Nexus 9500 Series fabric module	3-6 depending on the line card
N9K-C9516-FAN	Cisco Nexus 9516 fan trays	3
N9K-C9508	Cisco Nexus 9508 8-slot chassis	1
N9K-C9508-FM	Cisco Nexus 9508 Series fabric module	3-6 depending on the line card

Table 2 *Cisco Nexus 9000 Series Hardware (continued)*

Product ID	Hardware	Quantity
N9K-C9508-FAN	Cisco Nexus 9508 fan trays	3
N9K-X9564PX	Cisco Nexus 9500 Series 48-port, 1-/10-Gbps SFP+ plus 4-port QSFP I/O module	<ul style="list-style-type: none"> Up to 4 in the Cisco Nexus 9504 Up to 8 in the Cisco Nexus 9508 Up to 16 in the Cisco Nexus 9516
N9K-X9564TX	Cisco Nexus 9500 Series 48-port, 1-/10-Gbps BASE-T plus 4-port QSFP I/O module	<ul style="list-style-type: none"> Up to 8 in the Cisco Nexus 9508 Up to 4 in the Cisco Nexus 9504 Up to 16 in the Cisco Nexus 9516
N9K-X9536PQ	Cisco Nexus 9500 36-port, 40 Gigabit Ethernet QSFP aggregation module	<ul style="list-style-type: none"> Up to 4 in the Cisco Nexus 9504 Up to 8 in the Cisco Nexus 9508 Up to 16 in the Cisco Nexus 9516
N9K-X9636PQ ¹	Cisco Nexus 9500 Series 36-port 40-Gigabit QSFP I/O module	<ul style="list-style-type: none"> Up to 4 in the Cisco Nexus 9504 Up to 8 in the Cisco Nexus 9508
N9K-X9464PX	Cisco Nexus 9500 Series 48-port 10-Gigabit SFP+ plus 4-port QSFP I/O module	<ul style="list-style-type: none"> Up to 4 in the Cisco Nexus 9504 Up to 8 in the Cisco Nexus 9508 Up to 16 in the Cisco Nexus 9516
N9K-X9464TX	Cisco Nexus 9500 Series 48-port 10-GBASE-T plus 4-port QSFP I/O module	<ul style="list-style-type: none"> Up to 4 in the Cisco Nexus 9504 Up to 8 in the Cisco Nexus 9508 Up to 16 in the Cisco Nexus 9516
N9K-X9432PQ ²	Cisco Nexus 9500 Series 32-port 40-Gigabit QSFP I/O module	<ul style="list-style-type: none"> Up to 4 in the Cisco Nexus 9504 Up to 8 in the Cisco Nexus 9508 Up to 16 in the Cisco Nexus 9516

Table 2 *Cisco Nexus 9000 Series Hardware (continued)*

Product ID	Hardware	Quantity
N9K-SC-A	Cisco Nexus 9500 Series System Controller Module	2
N9K-SUP-A	Cisco Nexus 9500 Series supervisor 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	<ul style="list-style-type: none"> Up to 4 in the Cisco Nexus 9504 Up to 8 in the Cisco Nexus 9508 Up to 10 in the Cisco Nexus 9516
N9K-C9504	Cisco Nexus 9504 4-slot chassis	1
N9K-C9504-FM	Cisco Nexus 9504 fabric module	3 to 6 depending on line card
N9K-C9504-FAN	Cisco Nexus 9504 fan trays	3
N9K-C9396PX	Cisco Nexus 9300 48-port, 1/10-Gigabit Ethernet SFP+ and 12-port, 40-Gigabit Ethernet QSPF switch	1
N9K-C9396TX	Cisco Nexus 9300 48-port, 1/10-Gigabit Ethernet BASE-T and 12-port, 40-Gigabit Ethernet QSFP switch	1
N9K-C9372PX	Cisco Nexus 9300 48-port, 1/10-Gigabit Ethernet SFP+ and 6-port, 40-Gigabit Ethernet QSFP switch	1
N9K-C9372TX	Cisco Nexus 9300 48-port, 1/10-Gigabit Ethernet BASE-T and 6-port, 40-Gigabit Ethernet QSFP switch	1
N9K-C9332PQ	Cisco Nexus 9300 32-port, 40-Gigabit Ethernet QSFP switch	1
N9K-C93128TX	Cisco Nexus 9300 switch with 96 1-/10-Gigabit BASE-T ports and eight 40-Gigabit Ethernet QSPF ports (The 1-/10-Gigabit BASE-T ports also support a speed of 100 Megabits.)	1
N9K-PAC-650W ³	Cisco Nexus 9300 650 W AC power supply, hot air out (red)	2 or less
N9K-PAC-650W-B ³	Cisco Nexus 9300 650 W AC power supply, cold air in (blue)	2 or less

Table 2 Cisco Nexus 9000 Series Hardware (continued)

Product ID	Hardware	Quantity
N9K-PAC-1200W ⁴	Cisco Nexus 9300 1200 W AC power supply, hot air out (red)	2 or less
N9K-PAC-1200W-B ⁴	Cisco Nexus 9300 1200 W AC power supply, cold air in (blue)	2 or less
N9K-C9300-FAN1 ³	Cisco Nexus 9300 fan 1, hot air out (red)	3
N9K-C9300-FAN1-B ³	Cisco Nexus 9300 fan 1, cold air in (blue)	3
N9K-C9300-FAN2 ⁴	Cisco Nexus 9300 fan 2, hot air out (red)	3
N9K-C9300-FAN2-B ⁴	Cisco Nexus 9300 fan 2, cold air in (blue)	3
NXA-FAN-30CFM-F ⁵	Cisco Nexus 9300 fan, port-side exhaust	4
NXA-FAN-30CFM-B ⁵	Cisco Nexus 9300 fan, port-side intake	4
N9K-M12PQ ⁶	Cisco Nexus GEM 9300 uplink module, 12-port, 40-Gigabit Ethernet QSPF	1 (required)
N9K-M6PQ ⁶	Cisco Nexus GEM 6-port 40-Gigabit Ethernet uplink module for the Cisco Nexus 9396PX, 9396TX, and 93128TX switches	1

1. Not supported on the Cisco Nexus 9516 switch (N9K-C9516).
2. The Cisco Nexus X9432PQ I/O module supports static breakout.
3. For use with the Cisco Nexus 9396 switch (N9K-C9396PX).
4. For use with the Cisco Nexus 93128 switch (N9K-C93128TX).
5. For use with the Cisco Nexus 9332PQ, 9372PX, and 9372TX switches (N9K-C9332PQ, N9K-C9372PX, and N9K-9372TX).
6. The front-panel ports on these GEM modules do not support auto negotiation with copper cables. Manually configure the speed on the peer switch.

For additional information about the supported hardware, see the *Hardware Installation Guide* for your Cisco Nexus 9000 Series device.

[Table 3](#) lists the Cisco Nexus 3164Q switch hardware that Cisco NX-OS Release 6.1(2)I3(3a) supports.

Table 3 Cisco Nexus 3164Q Switch Hardware

Product ID	Hardware	Quantity
N3K-C3164Q-40GE	Cisco Nexus 3164Q switch	1
N9K-C9300-FAN3	Cisco Nexus 3164Q fan module	3
N9K-PAC-1200W	Cisco Nexus 3164Q 1200W AC power supply	2

For additional information about the supported hardware, see the *Cisco Nexus 3000 Series Hardware Installation Guide*.

Supported Optics

[Table 4](#) lists the supported optical components. For updated support information, also see the [Compatibility Matrix](#).

Table 4 Transceivers and Cables

Product ID	Transceivers and Cables
FET-10G	FET-10G Fabric Extender transceiver module for MMF, 850-nm wavelength, dual LC/PC connector, 100-m reach with laser-optimized OM3 or OM4 multimode fiber Note This transceiver is supported only on fabric links from a Cisco Nexus 2000 to a Cisco parent switch.
QSFP-40G-SR4	40GBASE-SR4 QSFP transceiver module for MMF, 4-lanes, 850-nm wavelength, 12-fiber MPO/MTP connector
QSFP-40G-CSR4	40GBASE-CSR4 QSFP transceiver module for MMF, 4-lanes, 850-nm wavelength, 12-fiber MPO/MTP connector, 300-m reach with OM3 fiber
QSFP-40G-SR-BD	QSFP bidirectional transceiver module, duplex multimode fiber, LC duplex connector, 100-m reach with OM3 fiber
QSFP-40GE-LR4	40GBASE-LR4 QSFP 40G transceiver module for single mode fiber, 4 CWDM lanes in 1310-nm window muxed inside module, duplex LC connector, 10-km, 40G Ethernet rate only
QSFP-4x10G-AC7M	40GBASE-CR4 QSFP to four 10GBASE-CU SFP+ direct attach breakout cable assembly, 7 meter active
QSFP-4x10G-AC10M	40GBASE-CR4 QSFP to four 10GBASE-CU SFP+ direct attach breakout cable assembly, 10 meter active
QSFP-H40G-CU5M	40GBASE-CR4 QSFP direct-attach copper cable, 5 meter passive
QSFP-H40G-CU3M	40GBASE-CR4 QSFP direct-attach copper cable, 3 meter passive
QSFP-H40G-CU1M	40GBASE-CR4 QSFP direct-attach copper cable, 1 meter passive
QSFP-H40G-ACU7M	40GBASE-CR4 QSFP direct-attach copper cable, 7 meter active
QSFP-H40G-ACU10M	40GBASE-CR4 QSFP direct-attach copper cable, 10 meter active
SFP-10G-SR	10GBASE-SR SFP+ module
SFP-10G-LR	10GBASE-LR SFP+ module
SFP-H10GB-CU1M	10GBASE-CU SFP+ cable 1 meter
SFP-H10GB-CU3M	10GBASE-CU SFP+ cable 3 meter
SFP-H10GB-CU5M	10GBASE-CU SFP+ cable 5 meter
SFP-H10GB-ACU-7M	Active Twinax cable assembly, 7 meter
SFP-H10GB-ACU-10M	Active Twinax cable assembly, 10 meter
GLC-T	1000BASE-T SFP

Table 4 **Transceivers and Cables (continued)**

Product ID	Transceivers and Cables
GLC-SX-MM	GE SFP, LC connector SX transceiver
GLC-LH-SM	GE SFP, LC connector LX/LH transceiver

**Note**

For the current release, if you are using the four 10G breakout cables with a Cisco Nexus 9000 Series switch, all ports on the I/O module must be set to breakout mode. A maximum of three I/O modules can be placed in breakout mode.

Supported FEX Modules

The following is a list of FEX modules the Cisco NX-OS Release 6.1(2)I3(3a) supports with Cisco Nexus 9372PX and 9396PX switches:

- Cisco Nexus 2224TP
- Cisco Nexus 2232PP
- Cisco Nexus 2232TM and 2232TM-E
- Cisco Nexus 2248PQ
- Cisco Nexus 2248TP and 2248TP-E
- B22Dell
- B22HP

New and Changed Information

This section lists the new and changed features in Release 6.1(2)I3(3a), and includes the following topics:

- [New Hardware Features in Cisco NX-OS Release 6.1\(2\)I3\(3a\), page 7](#)
- [New Software Features in Cisco NX-OS Release 6.1\(2\)I3\(3a\), page 7](#)

New Hardware Features in Cisco NX-OS Release 6.1(2)I3(3a)

Cisco NX-OS Release 6.1(2)I3(3) does not include new hardware.

New Software Features in Cisco NX-OS Release 6.1(2)I3(3a)

Cisco NX-OS Release 6.1(2)I3(3a) includes the new software features described in these sections for the Cisco Nexus 9000 Series switches and the Cisco Nexus 3164Q switch:

Installation Notes

Only one software image (called nx-os) is required to load the Cisco NX-OS operating system. This image runs on all Cisco Nexus 9000 Series switches and the Cisco Nexus 3164Q switch. For installation instructions, see the *Cisco Nexus 9000 Series NX-OS Software Upgrade and Downgrade Guide*.

Upgrade Instructions

To perform a software upgrade, follow the installation instructions in the *Cisco Nexus 9000 Series NX-OS Software Upgrade and Downgrade Guide*.

Downgrade Instructions

Disable the Guest Shell if you need to downgrade from Cisco NX-OS Release 6.1(2)I3(3a) to an earlier release.

Software Maintenance Upgrades

For information about software maintenance upgrades, see the “Performing Software Maintenance Upgrades” section in the [Cisco Nexus 9000 Series NX-OS System Management Configuration Guide](#).



Note

If you perform a software maintenance upgrade (SMU) and later upgrade your device to a new Cisco NX-OS software release, the new image will overwrite both the previous Cisco NX-OS release and the SMU package file.

Limitations

This section lists limitations related to Cisco NX-OS Release 6.1(2)I3(3a).

- Layer 3 routed traffic for missing Layer 2 adjacency information is not flooded back onto VLAN members of ingress units when the source MAC address of routed traffic is a non-VDC MAC address. This limitation is for hardware flood traffic and can occur when the SVI has a user-configured MAC address.
- The **neighbor-down fib-accelerate** command is supported in a BGP-only environment.
- The uplink module should not be removed from a Cisco Nexus 9300 Series switch that is running Cisco NX-OS Release 6.1(2)I3(3a). The ports on the uplink module should be used only for uplinks.
- The PortLoopback and BootupPortLoopback tests are not supported.
- The ASIC Memory-NS test is applicable only for the N9K-X9564PX and N9K-X9564TX line cards.
- Priority flow control (PFC) is supported on Cisco Nexus 9500 Series switches with the N9K-X9636PQ line card. It is not yet supported on Cisco Nexus 9300 Series switches and Cisco Nexus 9500 Series switches with the N9K-X9564PX or N9K-X9564TX line card.
- If you configure the FEX with 100/full-duplex speed and you do not explicitly configure the neighboring device with 100/full-duplex speed, the data packet traffic does not pass properly even though the link appears to be “up.”
 - no speed: Auto negotiates and advertises all speeds (only full duplex).
 - speed 100: Does not auto negotiate; pause cannot be advertised. The peer must be set to not auto negotiate (only 100 Mbps full duplex is supported).
 - speed 1000: Auto negotiates and advertises pause (advertises only for 1000 Mbps full duplex).
- Eight QoS groups are supported only on modular platforms with the following Cisco Nexus 9500 Series line cards: N9K-X9636PQ, N9K-X9464PX, N9K-X9464TX, and N9K-X9432PQ.
- Cisco NX-OS Release 6.1(2)I3(3a) supports flooding for Microsoft Network Load Balancing (NLB) unicast mode on Cisco Nexus 9500 Series switches but not on Cisco Nexus 9300 Series switches. NLB is not supported in max-host system routing mode. NLB multicast mode is not supported on Cisco Nexus 9500 or 9300 Series switches.



Note

To work around the situation of Unicast NLB limitation, we can statically hard code the ARP and MAC address pointing to the correct interface. Please refer to bug ID CSCuq03168 in detail in the [“Open Caveats—Cisco NX-OS Release 6.1\(2\)I3\(3a\)”](#) section.

- When routed ACL is applied to multiple SVIs (switched virtual interfaces) in the egress direction, TCAM resources are not shared.
- When VACL (VLAN ACL) is applied to multiple VLANs, TCAM resources are not shared.
- N9K hardware does not support range checks (layer 4 operators) in egress TCAM. Because of this, ACL/QoS policies with layer 4 operations-based classification need to be expanded to multiple entries in the egress TCAM. Egress TCAM space planning should take this limitation into account.
- If the same QoS policy and ACL is applied on multiple interfaces, the label will be shared only when the qos-policy is applied with the no-stats option.
- Limitations for ALE uplink ports are listed at the following URL:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/ale_ports/b_Limitations_for_ALE_Uplink_Ports_on_Cisco_Nexus_9000_Series_Switches.html

Unsupported Features

This section lists features that are not supported in the current release.

VXLAN Features

This section lists VXLAN features that are not supported.

- VXLAN routing is not supported.
The default Layer 3 gateway for VXLAN VLANs should be provisioned on a different device.
- Switched Port Analyzer (SPAN) Tx for VXLAN traffic is not supported for the access-to-network direction.
- Ingress router access control lists (RACLs) are not supported on Layer 3 uplinks for VXLAN traffic. Egress VACLs cannot be used on decapsulated packets in the network-to-access direction on the inner payload. As a best practice, use PACLS or VACLs for the access-to-network direction.
- QoS classification is not supported for VXLAN traffic in the network-to-access direction.
- The QoS buffer-boost feature is not applicable for VXLAN traffic.
- ACL and QoS for VXLAN traffic in the network-to-access direction is not supported.
- Native VLANs for VXLAN are not supported. All traffic on VXLAN Layer 2 trunks needs to be tagged.
- Consistency checkers are not supported for VXLAN tables.
- Just one network virtualization edge (NVE) interface is allowed on the switch.
- Because the NVE (VXLAN) process is not restartable, patching support is not supported for VXLAN.
- vPC type-1 consistency checkers are not supported for VXLAN configurations.
- Dynamic re-IP of an NVE tunnel is not supported. Tunnels must be shut down prior to live IP address changes.

VXLAN Topology Restrictions

- A device cannot be a VXLAN gateway (vxlan-vlan flows) and a VXLAN bridge (vxlan-vxlan flows) for the same multicast groups, which are also called the bud-node topology. As a best practice, use the device as either a bridging device or a gateway device, but not both.
- Due to bud-node restrictions, a VXLAN tunnel endpoint (VTEP) cannot reach the rendezvous point (RP) through another VTEP. Because of this limitation, there can be no direct Layer 3 links between two VTEPs, unless one of the VTEPs is the RP.
- FEX host interface ports are not supported for VLANs extended with VXLAN.

VXLAN ACL Limitations

The following ACL related features are not supported:

- Ingress RACL that is applied on an uplink Layer 3 interface that matches on the inner or outer payload in the network-to-access direction (decapsulated path)

- Egress RACL that is applied on an uplink Layer 3 interface that matches on the inner or outer payload in the access-to-network direction (encapsulated path)
- Egress VACL for decapsulated VXLAN traffic

We recommend that you use a PACL or VACL on the access side to filter out traffic entering the overlay network.

PVLANS

Private VLANs (PVLANS) are not supported.

DHCP

DHCP subnet broadcast is not supported.

FEX

FEX is supported only on the Cisco Nexus 9372PX and 9396PX switches. It is not supported on the other Cisco Nexus 9300 Series switches or the Cisco Nexus 9500 Series switches.

Other Unsupported Features

The following lists other features not supported in the current release:

- Due to a Poodle vulnerability, SSLv3 is no longer supported.
- The Cisco Nexus 9300 Series switches and the Cisco Nexus 3164Q switch do not support the 64-bit ALPM routing mode.

Caveats

This section includes the following topic:

- [Open Caveats—Cisco NX-OS Release 6.1\(2\)I3\(3a\), page 13](#)
- [Resolved Caveats—Cisco NX-OS Release 6.1\(2\)I3\(3a\), page 14](#)

Open Caveats—Cisco NX-OS Release 6.1(2)I3(3a)

Table 5 lists the open caveats in the Cisco NX-OS Release 6.1(2)I3(3a) release. Click the bug ID to access the Bug Search tool and see additional information about the bug.

Table 5 Open Caveats in Cisco NX-OS Release 6.1(2)I3(3a)

Bug ID	Description
CSCuj51631	DHCP relay to a subnet broadcast address does not work.
CSCul18670	The show license usage command shows the incorrect license if a valid license is installed over an honor license.
CSCun26726	HSRP packet decoding fails with an assertion error.
CSCun34856	All VLANs are suspended if one has a QoS policy but the TCAM is not configured.
CSCuo86036	Spurious error messages appear when a MCT port-channel member is shut.
CSCup32728	An ACL or source VLAN on a SPAN session affects traffic on other sessions.
CSCup35239	The Ethalyzer does not see packets that egress on a virtual interface.
CSCup55774	No drop counters are displayed when a FEX HIF is congested.
CSCuq03168	Microsoft NLB traffic being routed into the destination VLAN is experiencing packet loss.
CSCuq36330	BFD neighbors are not supported on Cisco ALE port subinterfaces.
CSCuq68788	Traffic is not spanned if SPAN ACL and policy-based routing are enabled.
CSCur22618	The show queuing interface command returns empty output when executed for FEX HIF interfaces.
CSCur30555	The show policy-map type queuing does not show statistics for FEX HIF interfaces.
CSCur63227	BGP prefixes can experience temporary traffic drop during supervisor switchover when BGP prefixes have the Nexthop learned over BGP (Recursive Nexthop) in the presence of a default route in the system.
CSCur37816	When QoS Lite TCAM is configured, policer violated statistics shown as part of the show policy-map interface command are reported as 0 instead of NA (Not-Applicable).
CSCur46879	When copying the tunnel configuration file to running, the tunnel may flap before stabilizing.
CSCur59482	Policer action is not supported when QoS policy type qos is applied with no-stats keyword.
CSCur61647	Even though there are no QoS classification policies currently active on any of the FEX HIF interfaces, the show incompatibility command still reports FEX QoS incompatibility during downgrade from 3.2 to earlier versions of software.
CSCur87839	Traffic cannot be routed using policy-based routing if the next-hop reachability is across the vPC peer link and the local vPC leg is down.
CSCus06693	ERPSAN sessions with destination on port-channel sub-interface is not supported.
CSCus15407	The show incompatibility nxos <image version lower than 3.3> command gives an incorrect message for cmd ip icmp-errors source-interface <intf> cmd .

Resolved Caveats—Cisco NX-OS Release 6.1(2)I3(3a)

Table 6 lists the resolved caveats in the Cisco NX-OS Release 6.1(2)I3(3a) release. Click the bug ID to access the Bug Search tool and see additional information about the bug.

Table 6 **Resolved Caveats in Cisco NX-OS Release 6.1(2)I3(3a)**

Bug ID	Description
CSCur52725	When using a Nexus 9000 Switch with a FEX and an LACP port-channel with no lacp suspend-individual configuration, the port channel gets stuck in I state if the end device stops sending LACP PDUs for a brief period of time.
CSCus39349	A Nexus 9000 switch running 6.1(2)I3(3), and with a few vendor servers connected to a FEX, will not allow PCs to come up.
CSCus45573	A third-party blade server may not connect to a FEX module when a vPC is connected to an N9K switch using the same FEX module.
CSCus45940	After an IGMP group restart, the floodlist and port bit-map is incorrect.
CSCus48954	The source-interface does not work for SNMP traps.
CSCus50176	The default bandwidth on the N3164 physical 40G interfaces has been changed to 10G from 40G.
CSCus52319	Traffic entering a Nexus 9300 switch for the host behind a Port channel build using a FEX in I state may be dropped.
CSCus59803	A host connected to a FEX port is unable to auto-negotiate 1000Mbps.
CSCus64597	When a BPDU guard enabled port receives a BPDU, the port is put to an error disabled state. Under this condition, an STP process core is seen, and the box could reload due to hap reset, if the condition is persistent

Related Documentation

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

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

The Cisco Nexus 3164Q Switch - Read Me First is available at the following URL:

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus3164/sw/6x/readme/b_Cisco_Nexus_3164Q_Switch_Read_Me_First.html

Configuration Guides

Cisco Nexus 2000 Series NX-OS Fabric Extender Software Configuration Guide for Cisco Nexus 9000 Series Switches

Cisco Nexus 9000 Series NX-OS Fundamentals Configuration Guide

Cisco Nexus 9000 Series NX-OS High Availability and Redundancy Guide

Cisco Nexus 9000 Series NX-OS Interfaces Configuration Guide

Cisco Nexus 9000 Series NX-OS Layer 2 Switching Configuration Guide

Cisco Nexus 9000 Series NX-OS Multicast Routing Configuration Guide

Cisco Nexus 9000 Series NX-OS Quality of Service Configuration Guide
Cisco Nexus 9000 Series NX-OS Security Configuration Guide
Cisco Nexus 9000 Series NX-OS System Management Configuration Guide
Cisco Nexus 9000 Series NX-OS Unicast Routing Configuration Guide
Cisco Nexus 9000 Series NX-OS Verified Scalability Guide
Cisco Nexus 9000 Series NX-OS Virtual Machine Tracker Configuration Guide
Cisco Nexus 9000 Series NX-OS VXLAN Configuration Guide

Other Software Documents

Cisco Nexus 7000 Series and 9000 Series NX-OS MIB Quick Reference
Cisco Nexus 9000 Series NX-OS Programmability Guide
Cisco Nexus 9000 Series Software Upgrade and Downgrade Guide
Cisco Nexus 9000 Series NX-OS System Messages Reference
Cisco Nexus 9000 Series NX-OS Troubleshooting Guide
Cisco NX-OS Licensing Guide
Cisco NX-OS XML Interface User Guide

Hardware Documents

Cisco Nexus 9332PQ NX-OS-Mode Switch Hardware Installation Guide
Cisco Nexus 9372PX NX-OS-Mode Switch Hardware Installation Guide
Cisco Nexus 9372TX NX-OS-Mode Switch Hardware Installation Guide
Cisco Nexus 9396PX NX-OS-Mode Switch Hardware Installation Guide
Cisco Nexus 9396TX NX-OS-Mode Switch Hardware Installation Guide
Cisco Nexus 93128TX NX-OS-Mode Switch Hardware Installation Guide
Cisco Nexus 9504 NX-OS-Mode Switch Hardware Installation Guide
Cisco Nexus 9508 NX-OS-Mode Switch Hardware Installation Guide
Cisco Nexus 9516 NX-OS-Mode Switch Hardware Installation Guide

Release Notes

Cisco Nexus 9000 Series FPGA/EPLD Upgrade Release Notes
Cisco Nexus 9000 Series NX-OS Release Notes

Documentation Feedback

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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>

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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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