



New and Changed Information

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Table 1: New and Changed Features

Feature	Description	Changed in Release	Where Documented
Logging 2.0 Enhancements	Added support to default auto-collect enabling on components such as ufdm, ipfib, mrib, pim, eltm, and iftmc	10.4(3)F	Creating or Deleting Auto-Collection Per Component
CLI to disable default action	New command is introduced to disable a system policy under any overridden policy	10.4(3)F	Overriding a Policy Guidelines and Limitations for EEM
Partial diff support for polymorphic commands	Added partial diff support for polymorphic commands	10.4(3)F	Guidelines and Limitations for Candidate Config Integrity Check
CR support for polymorphic commands	Added CR support for polymorphic commands	10.4(3)F	Guidelines and Limitations for Configuration Replace
Support for SPAN on 9364C-H1	Added support for SPAN on Cisco Nexus 9364C-H1 switch	10.4(3)F	Guidelines and Limitations for SPAN
Support for ERSPAN on 9364C-H1	Added support for ERSPAN on Cisco Nexus 9364C-H1 switch	10.4(3)F	Guidelines and Limitations for ERSPAN

Feature	Description	Changed in Release	Where Documented
Support for NetFlow on 9364C-H1	Added support for NetFlow on Cisco Nexus 9364C-H1 switch	10.4(3)F	Guidelines and Limitations for Ingress NetFlow
Support for GOLD on 9364C-H1	Added support for Generic Online Diagnostics (GOLD) on Cisco Nexus 9364C-H1 switch	10.4(3)F	Guidelines and Limitations for Online Diagnostics
Flexible PTP over IPv6 multicast	Added new global and interface commands to set the transmit and receive scope for PTP over IPv6 multicast configuration	10.4(3)F	Guidelines and Limitations for PTP Configuring PTP Globally Configuring PTP on an Interface
Support for PTP on 9364C-H1	Added support for PTP on Cisco Nexus 9364C-H1 switch	10.4(3)F	Guidelines and Limitations for PTP
PTP over MACsec	Added support for Telecom PTP over MACsec on Cisco Nexus 9300-H2R/H1 platform switches.	10.4(3)F	Guidelines and Limitations for PTP
TLS v1.3	Added Transport Layer Security protocol version 1.3 support for Cisco Nexus applications.	10.4(3)F	Guidelines and Limitations for System Message Logging Guidelines and Limitations for Smart Call Home
Unified Configuration Difference	On the Cisco Nexus switches, the show diff running-config command provides the merged option to merge the sub-command details instead of replacing.	10.4(3)F	Guidelines and Limitations for Candidate Config Integrity Check Performing Integrity Check for Candidate Config Examples of Integrity Check
SNMP	Added support for SNMP on Cisco Nexus N9K-C9364C-H1 platform switches.	10.4(3)F	Guidelines and Limitations for SNMP

Feature	Description	Changed in Release	Where Documented
sFlow	Added support for sFlow on Cisco Nexus N9K-C9364C-H1 platform switches.	10.4(3)F	Guidelines and Limitations for sFlow
Secure erase support	Added support for secure erase on Cisco Nexus N9K-C9364C-H1 switch	10.4(3)F	Guidelines and Limitations for Secure Erase
SPAN	Added support for SPAN on Cisco Nexus 93400LD-H1 platform switch.	10.4(2)F	Guidelines and Limitations for SPAN
ERSPAN	Added support for ERSPAN on Cisco Nexus 93400LD-H1 platform switch.	10.4(2)F	Guidelines and Limitations for ERSPAN
sFlow	Added support for sFlow on Cisco Nexus 93400LD-H1 platform switch.	10.4(2)F	Guidelines and Limitations for sFlow
Generic Online Diagnostics (GOLD)	Added support for Cisco Nexus 93400LD-H1 platform switch.	10.4(2)F	Guidelines and Limitations for Online Diagnostics
SNMP	Added support for SNMP on Cisco Nexus 93400LD-H1 platform switch.	10.4(2)F	Guidelines and Limitations for SNMP
Secure erase support	Added support for secure erase on Cisco N9K-switch	10.4(2)F	Guidelines and Limitations for Secure Erase
NetFlow	Added support for NetFlow on Cisco Nexus 93400LD-H1 platform switches.	10.4(2)F	Guidelines and Limitations for Ingress NetFlow
SPAN/ERSPAN on port-channel interface	Support for SPAN and ERSPAN on Layer 3 port-channel interfaces on Cisco Nexus 9804 and 9808 platform switches.	10.4(2)F	Guidelines and Limitations for SPAN SPAN Guidelines and Limitations for Cisco Nexus 9800 Platform Switches Guidelines and Limitations for ERSPAN

Feature	Description	Changed in Release	Where Documented
Ingress NetFlow support for MPLS packet	This feature allows the supported Nexus switches to capture IPv4 or IPv6 flow information from MPLS packets and send the flow information to the Collector.	10.4(2)F	Guidelines and Limitations for Ingress NetFlow Guidelines and Limitations for Egress NetFlow
8275.2 PTP profile support on 9300-FX3, N9K-C9332D-H2R, N9K-C93400LD-H1, and 9408	Added support for PTP 8275.2 Telecom profile on Cisco Nexus 9300-FX3, 9332D-H2R, 93400LD-H1, and 9408 platform switches	10.4(2)F	Guidelines and Limitations for PTP Dynamic Unicast Configuring Global PTP Telecom Profile PTP Profile Defaults
PTP Class C support on N9K-C93400LD-H1	Added support for PTP Class C on Cisco N9K-C93400LD-H1	10.4(2)F	Guidelines and Limitations for PTP
Ingress ACL Drop support for SPAN	Added support for SPAN on ACL drop in ingress direction for the ERSPAN source session on Cisco Nexus 9300-H2R platform switches.	10.4(2)F	Guidelines and Limitations for ERSPAN
PTP	Added support for Cisco Nexus C93108TC-FX3 switch.	10.4(2)F	Guidelines and Limitations for PTP
CR multiline support	Added configuration replace feature support for LDAP.	10.4(2)F	Guidelines and Limitations for Configuration Replace

Feature	Description	Changed in Release	Where Documented
Traffic analytics support for NXOS and NDFC (NDI)	Traffic Analytics provides an ability to identify services provided by servers behind a switch and provide aggregated analytics data by using TCP flags in a 3-way handshake to identify server and client. The flow of TCP sessions are aggregated based on source IP address (SIP), destination IP address (DIP), source port (SP) for server to client traffic and SIP, DIP, destination port (DP) for client to server traffic.	10.4(2)F	Configuring Traffic Analytics
Egress NetFlow	Added support for Egress NetFlow along with the existing support for Ingress NetFlow	10.4(1)F	About Egress NetFlow Configuring NetFlow About Ingress NetFlow
Logging 2.0 Enhancements	Added support for default bloggerd auto-collect for additional components ipqosmgr, aclqos, cfs, ethport, feature-mgr, icam, interface manager, lacp, m2rib, mfdm, nbm, ngoam, nve, port-channel, qos, sla_responder, sla_sender, sla_twamp,smm, spm, sysmgr, and vpc	10.4(1)F	Guidelines and Limitations for EEM Creating or Deleting Auto-Collection Per Component Examples of Supported Log Collection
PTP Class C support for G.8275.1 Telecom profile on N9K-C9408	Added support for PTP Class C for G.8275.1 Telecom profile on Cisco Nexus 9408 platform switch	10.4(1)F	Guidelines and Limitations for PTP PTP Profile Defaults
SyncE support on N9K-C9332D-H2R	Added support for SyncE on N9K-C9332D-H2R switch	10.4(1)F	Guidelines and Limitations for Frequency Synchronization

Feature	Description	Changed in Release	Where Documented
PTP Media profile and Class C support for G.8275.1 Telecom profile on the N9K-C9332D-H2R	Added support for PTP media profile and Class C G.8275.1 Telecom profile on Cisco Nexus 9332D-H2R platform switch	10.4(1)F	Guidelines and Limitations for PTP PTP Profile Defaults
Support for ASIC based PTP on 1G ports	Added support for ASIC-based time stamping for 1G PTP enabled ports on Cisco Nexus 931806C-FX3 and 93108TC-FX3P platform switches	10.4(1)F	Guidelines and Limitations for PTP Configuring PTP Globally
PTP	Added support for PTP on the following switches and line cards: <ul style="list-style-type: none"> • Cisco Nexus 9804 platform switches • Cisco Nexus X98900CD-A and X9836DM-A line cards with Cisco Nexus 9808 and 9804 switches 	10.4(1)F	Guidelines and Limitations for PTP PTP Profile Defaults
PTP	Added support for Cisco Nexus C9348GC-FX3 switch	10.4(1)F	Guidelines and Limitations for PTP
Customize CoPP Limit	Added example to configure customize CoPP Limit	10.4(1)F	

Feature	Description	Changed in Release	Where Documented
Generic Online Diagnostics (GOLD)	<p>Added support for GOLD on the following line cards and switches:</p> <ul style="list-style-type: none"> • Cisco Nexus 9804 and N9K-C9332D-H2R platform switches • Cisco Nexus X98900CD-A line card • Cisco Nexus X98900CD-A line card with Cisco Nexus 9808 and 9804 switches 	10.4(1)F	Guidelines and Limitations for Online Diagnostics Runtime or Health Monitoring Diagnostics
BGP isolation mode to withdraw aggregate address routes	Added information about BGP isolation mode to withdraw aggregate address routes.	10.4(1)F	Maintenance Mode Enhancements Configuration Examples for GIR
SNMP OID for EPLD version	Added support to view EPLD firmware version using SNMP for Cisco Nexus 9300-FX/FX2/FX3/GX platform switches, and Nexus 9508 switch	10.4(1)F	Guidelines and Limitations for SNMP SNMP Entity
Deduplication	Added deduplication feature support for Cisco Nexus 9300 FX2/FX3/GX/GX2 platform switches.	10.4(1)F	About Deduplication
Auto-collect enhancements	Added Auto-collect enhancements details for supporting BGP, OSPF, ISIS, and BFD protocols for automatic data collection by default during unexpected protocol flap.	10.4(1)F	Creating Auto-Collection for Protocol Flap

Feature	Description	Changed in Release	Where Documented
CDP	Added support for CDP on the following line cards and switches: <ul style="list-style-type: none"> • Cisco Nexus 9804 platform switch • Cisco Nexus X98900CD-A line card • Cisco Nexus X98900CD-A line card with Cisco Nexus 9808 and 9804 switches 	10.4(1)F	Guidelines and Limitations for CDP
LLDP	Added support for LLDP on the following line cards and switches: <ul style="list-style-type: none"> • Cisco Nexus 9804 platform switch • Cisco Nexus X98900CD-A line card • Cisco Nexus X98900CD-A line card with Cisco Nexus 9808 and 9804 switches 	10.4(1)F	Guidelines and Limitations for LLDP
SNMP	Added support for GOLD on the following line cards and switches: <ul style="list-style-type: none"> • Cisco Nexus 9804 and N9K-C9332D-H2R platform switches • Cisco Nexus X98900CD-A line card • Cisco Nexus X98900CD-A line card with Cisco Nexus 9808 and 9804 switches 	10.4(1)F	Guidelines and Limitations for SNMP

Feature	Description	Changed in Release	Where Documented
sFlow	Added support for GOLD on the following line cards and switches: <ul style="list-style-type: none"> • Cisco Nexus 9804 and N9K-C9332D-H2R platform switches • Cisco Nexus X98900CD-A line card • Cisco Nexus X98900CD-A line card with Cisco Nexus 9808 and 9804 switches 	10.4(1)F	Guidelines and Limitations for sFlow
Secure erase support	Added support for secure erase on Cisco N9K-C9332D-H2R switch	10.4(1)F	Guidelines and Limitations for Secure Erase
Ingress NetFlow	Added support for Ingress NetFlow on Cisco N9K-C9332D-H2R switch	10.4(1)F	Guidelines and Limitations for Ingress NetFlow
SPAN	Added support for SPAN on the following line cards and switches: <ul style="list-style-type: none"> • Cisco Nexus 9804 platform switch • Cisco Nexus 9332D-H2R platform switch • Cisco Nexus X98900CD-A line card with Cisco Nexus 9808 and 9804 switches 	10.4(1)F	Guidelines and Limitations for SPAN SPAN Guidelines and Limitations for Cisco Nexus 9800 Platform Switches Configuring SPAN Truncation Verifying the SPAN Configuration

Feature	Description	Changed in Release	Where Documented
ERSPAN	<p>Added support for ERSPAN on the following line cards and switches:</p> <ul style="list-style-type: none">• Cisco Nexus 9804 platform switch• Cisco Nexus 9332D-H2R platform switch• Cisco Nexus X98900CD-A line card with Cisco Nexus 9808 and 9804 switches	10.4(1)F	<p>Guidelines and Limitations for ERSPAN</p> <p>Configuring ERSPAN Truncation</p> <p>Verifying the ERSPAN Configuration</p>