



New and Changed Information

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Table 1: New and Changed Features

Feature	Description	Changed in Release	Where Documented
VXLAN and iVXLAN Strip	VXLAN and iVXLAN strip is supported on N9K-C93180YC-FX3 and N9K-C93108TC-FX3P	10.2(3)F	Guidelines and Limitations for VXLAN and iVXLAN Header Strip
NDB: Co-existence of MPLS Stripping, ERSPAN and other header stripping features	The NDB MPLS Header Stripping feature allows for stripping of MPLS header from packets that come in with an MPLS encapsulation. This feature uses the OFM model and co-exists with the other header stripping features.	10.2(3)F	Guidelines and Limitations for MPLS Stripping MPLS Header Stripping for Nexus Data Broker Configuring Header Stripping Features for Nexus Data Broker VXLAN and iVXLAN Header Stripping for Nexus Data Broker ERSPAN Header Stripping for Nexus Data Broker GRE Header Stripping for Nexus Data Broker

Feature	Description	Changed in Release	Where Documented
Correctly Advertise LLDP Chassis-ID	Introduced a new global configuration command— <code>[no] lldp chassis-id switch</code> —to advertise the switch chassis MAC address instead of the port MAC address.	10.2(3)F	Guidelines and Limitations for LLDP Enabling or Disabling LLDP Globally Verifying the LLDP Configuration
Authenticated SMTP Support From NX-OS for Smart Call Home	SMTP-AUTH is supported for secure callhome mail transfer on Cisco Nexus 9000 Series platform switches	10.2(3)F	Guidelines and Limitations for Smart Call Home Configuring SMTP-AUTH for Call Home Mail Transfer Configuration Examples for Smart Call Home
IPv6 ERSPAN Destination support	Added support for IPv6 ERSPAN destination/termination	10.2(3)F	Guidelines and Limitations for ERSPAN Configuring an ERSPAN Destination Session Configuration Example for an ERSPAN Destination Session Over IPv6 Configuration Example for an ERSPAN Destination Session Over IPv4
sFlow flow-cache size increase	Added support for 30k v4 and 30k v6 bgp routes.	10.2(3)F	Guidelines and Limitations for sFlow
PTP Support of up to 2000 secondary devices per switch	Added support for a maximum of 100 secondary devices per port, with a system-wide maximum of 2000 secondary devices per switch.	10.2(3)F	Guidelines and Limitations for PTP Enhanced Multicast Scale
Enhancement on the config diff utility	New CLIs to support Integrity Checking of Candidate Config.	10.2(3)F	Integrity Check of Candidate Config

Feature	Description	Changed in Release	Where Documented
LLDP Egress Queuing TLV on NPV and SAN Switching Modes	Introduced a new command— [no] lldp tlv-select dcbp egress-queuing —to advertise egress queuing configuration in the switch.	10.2(3)F	About DCBXP Guidelines and Limitations for LLDP Configuring DCBXP Egress Queuing Enabling or Disabling LLDP Multi-Neighbor Support Enabling or Disabling LLDP Support on Port-Channel Interfaces
FC span for NPV and SAN Switching Modes	Added packet capture support for FC ports, SAN port channels, and VSANs.	10.2(3)F	SPAN Limitations for the Cisco Nexus 9300 Platform Switches Configuring a SPAN Session Configuration Example for a SPAN Session
Logging 2.0 Enhancements: Log profile yaml file and Global Dictionary per Log statistics	Added support for Log-Profile YAML file and CLI to display per log statistics of each component.	10.2(3)F	Log-Profile YAML File Displaying Global Dictionary Per Log Statistics
SPAN-to-CPU	Added ACL filter support for Cisco Nexus N9K-X9624D-R2 line card.	10.2(3)F	Guidelines and Limitations
EoMPLS Label Stripping	Added support for EoMPLS only on Cisco Nexus 9300-EX platform switches	10.2(2)F	Guidelines and Limitations for MPLS Stripping
Disable Security and SNMP User Synchronization	Added a new CLI that allows you to disable the user synchronization between the SNMP and security components.	10.2(2)F	Disable Security and SNMP User Synchronization

Feature	Description	Changed in Release	Where Documented
Secure Erase	Added support for Nexus 9000 Series to remove all the identifiable customer information on Cisco NX-OS devices in conditions of product removal due to Return Merchandise Authorization (RMA), or upgrade or replacement, or system end-of-life.	10.2(2)F	Secure Erase
SPAN-to-CPU	SPAN-to-CPU is for troubleshooting packet flow through Cisco Nexus 9000 Series switches.	10.2(2)F	SPAN-to-CPU
NDB GRE Header Stripping	Allows you to strip the GRE header from packets that come in with a GRE encapsulation.	10.2(2)F	GRE Header Stripping for Nexus Data Broker
Logging 2.0 Enhancements: Auto-Collect Adoption Improvement	Allows for creation and deletion of default YAML file with pre-populated settings.	10.2(2)F	Creating or Deleting Auto-Collection Per Component
PTP v1 and v2 Co-existence	Added support for PTPv1 and v2 co-existence on Cisco Nexus 9300-GX, 9300-GX2, and 9300-FX3 platform switches.	10.2(2)F	Guidelines and Limitations for PTP
Terminal-lock for VSH sessions Phase 2	Added a new CLI "terminal lock mdp" that locks the Model Driven Programmability interfaces and supports DME lock sessions.	10.2(2)F	Terminal Lock for VSH Sessions
PTP with jitter fix for 1G ports	Added support for PTP with jitter fix for 1G ports on Cisco N9K-C93108TC-FX3P platform switches.	10.2(2)F	Guidelines and Limitations for PTP

Feature	Description	Changed in Release	Where Documented
PTP: IPv6 UDP Unicast Transport and PTP Unicast Negotiation	Added support for PTP IPv6 transport on the Cisco Nexus 9300-FX, 9300-FX2, 9300-GX, and 9300-GX2 platform switches. Added support for PTP unicast negotiation on Cisco Nexus 9300-EX, 9300-FX, 9300-FX2, 9300-GX, and 9300-GX2 platform switches.	10.2(2)F	Guidelines and Limitations for PTP Configuring PTP Globally Configuring PTP on an Interface
sFlow	Added support for sFlow on Cisco N9K-C9332D-GX2B platform switches.	10.2(1q)F	Guidelines and Limitations for sFlow
PTP	Added support for PTP on Cisco N9K-C9332D-GX2B platform switches.	10.2(1q)F	Guidelines and Limitations for PTP
SPAN	Added support for SPAN on Cisco N9K-C9332D-GX2B platform switches.	10.2(1q)F	Guidelines and Limitations for SPAN
Configuring in Two-Stage Configuration Commit Mode	Added new CLIs	10.2(1)F	Configuring in Two-Stage Configuration Commit Mode
sFlow BGP Extension	Added support for Cisco Nexus switches.	10.2(1)F	Configuring sFlow Extended BGP (Gateway)
Terminal lock for VSH Sessions	Added support for Cisco Nexus switches.	10.2(1)F	Terminal Lock for VSH Sessions
NDB: Optimise ERSPAN implementation	Added support for ERSPAN header stripping Cisco Nexus 9300-FX2, 9300-FX3, 9300-GX, and 9300-GX2 platform switches. Note that this feature is only supported on TOR switches.	10.2(1)F	ERSPAN Header Stripping for Nexus Data Broker

Feature	Description	Changed in Release	Where Documented
L3 NetFlow export on L2 physical interface	Added support for Layer 3 NetFlow on Layer 2 interfaces on Cisco Nexus 9300-EX, 9300-FX, 9300-FX2, 9300-FX3, 9300-GX, and 9300-GX2 platform switches, and on 9500-EX LC and 9500-FX LC.	10.2(1)F	Guidelines and Limitations for NetFlow Configuring Layer 3 NetFlow on Layer 2 Interfaces
ERSPAN over IPv6	Added support for ERSPAN over IPv6 on Cisco Nexus 9300-GX2, 9300-GX, 9300-FX2, 9300-EX, 9300-FX3, 9300-FX3S, and 9300-FX3P platform switches and N9K-X9716D-GX, N9K-X9736C-EX, N9K-X9732C-EX(X86_64 Atom), N9K-X9732C-EXM, N9K-X97160YC-EX, and N9K-X9736C-FX line cards.	10.2(1)F	Configuring ERSPAN
NDB license - tap-agg	Tap aggregation is a licensed feature that requires you to configure feature tap-aggregation so that you can configure the tap aggregation-related CLIs. This feature is supported on all Cisco Nexus 9000 series platform switches.	10.2(1)F	Guidelines and Limitations for TAP Aggregation Configuring a TAP Aggregation Policy Configuration Example for TAP Aggregation
PTP Telecom Profile	This feature adds IPv4, IPv6, and Class B support for PTP Telecom Profile.	10.2(1)F	Configuring PTP
Terminal-lock for VSH Sessions	This feature provides CLIs to lock the terminal to allow one user to access the configure terminal commands. It prevents other users from changing the NX-OS running configuration.	10.2(1)F	Terminal Lock for VSH Sessions

Feature	Description	Changed in Release	Where Documented
sFlow BGP Extension	This feature adds configuring sFlow Extended BGP (Gateway) to the switch.	10.2(1)F	Configuring sFlow Extended BGP (Gateway)
No-Reload Option for SMU Installation	This feature provides No-Reload option payloads for SMU installation.	10.2(1)F	No-Reload Options for SMU Installation

