



New and Changed Information

This chapter provides release-specific information for each new and changed feature in the *Cisco Nexus 9000 Series NX-OS System Management Configuration Guide, Release 7.x*.

- [New and Changed Information, on page 1](#)

New and Changed Information

This table summarizes the new and changed features for the *Cisco Nexus 9000 Series NX-OS System Management Configuration Guide, Release 7.x* and tells you where they are documented.

Table 1: New and Changed Features for Cisco NX-OS Release 7.x

Feature	Description	Changed in Release	Where Documented
Link Layer Discovery Protocol (LLDP) Multi-Neighbor Support on an Interface	Added support for up to three (3) LLDP neighbors per interface.	7.0(3)I7(8)	Multiple LLDP Neighbors Per Physical Interface
Link Layer Discovery Protocol (LLDP) Support on Port-Channels	Added support for LLDP on interface port-channels.	7.0(3)I7(8)	Enabling or Disabling LLDP Support on Port-Channel Interfaces
MacSecPortLoopback test	Added support for the MacSecPortLoopback test on Cisco Nexus 9500 Series switches with the N9K-X9736C-FX line card.	7.0(3)I7(6)	Bootup Diagnostics
IEEE 802.1Qaz standards for DCBXP TLV	Added Support for the Cisco Nexus 9000 series switches.	7.0(3)I7(4)	About DCBXP
SNMP	Added support for the snmp-server counter cache timeout command.	7.0(3)I7(4)	Modify SNMP Server Counter Cache Update Timer

Feature	Description	Changed in Release	Where Documented
NetFlow and SPAN	Added support for NetFlow and SPAN on Cisco Nexus 9336C-FX2 and Cisco Nexus 93240YC-FX2 switches.	7.0(3)I7(3)	Guidelines and Limitations for SPAN
MPLS stripping	Added the ability to tag VLAN to the packets going out of redirect ports.	7.0(3)I7(3)	About MPLS Stripping Guidelines and Limitations for MPLS Stripping Enabling MPLS Stripping #unique_21
Configuration replace	Introduced this feature.	7.0(3)I7(3)	Performing Configuration Replace
NetFlow	Added support for the Cisco Nexus 9300-EX platform switches.	7.0(3)I7(2)	Configuring NetFlow
TAP aggregation	Added support for the Cisco Nexus 9500 platform switches with N9K-X9700-EX and N9K-X9700-FX line cards.	7.0(3)I7(2)	Guidelines and Limitations for TAP Aggregation
PTP	Added support for unicast communication on Cisco Nexus 9508 switches with N9K-X9636C-R, N9K-X9636C-RX, and N9K-X9636Q-R line cards.	7.0(3)F3(3)	Guidelines and Limitations for PTP Configure PTP Globally Configure PTP on an Interface
ERSPAN	Added the ability to make the ERSPANv3 header RFC compliant.	7.0(3)I7(1)	Configuring an ERSPAN Source Session
ERSPAN	Added the ability to truncate ERSPAN packets for Cisco Nexus 9300-EX and 9300-FX platform switches.	7.0(3)I7(1)	Configuring ERSPAN
NetFlow	Introduced this feature.	7.0(3)I7(1)	Configuring NetFlow
PTP	Added PTP support for the Cisco Nexus 9300-FX platform switches and PTP mixed mode support for Cisco Nexus 9396 switches.	7.0(3)I7(1)	Guidelines and Limitations for PTP

Feature	Description	Changed in Release	Where Documented
SPAN	Added SPAN support for multicast Tx traffic across different leaf spine engine (LSE) slices on Cisco Nexus 9300-EX platform switches.	7.0(3)I7(1)	#unique_30
SPAN	Added the ability to truncate SPAN packets for Cisco Nexus 9300-EX and 9300-FX platform switches.	7.0(3)I7(1)	Configuring SPAN
ERSPAN	Added support for IPv6 UDF-based ERSPAN.	7.0(3)I6(1)	Configuring UDF-Based ERSPAN
NTP	Added the ability to scan the access group options in the following order, from least restrictive to most restrictive: peer, serve, serve-only, query-only.	7.0(3)I6(1)	Guidelines and Limitations for NTP Configuring NTP Access Restrictions
PTP	Added the ability to configure timestamp tagging.	7.0(3)I6(1)	Timestamp Tagging #unique_36
PTP	Added support for offloading PTP sessions.	7.0(3)I6(1)	Guidelines and Limitations for PTP Configure PTP Globally
PTP	Updated support for PTP mixed and unicast mode.	7.0(3)I6(1)	Guidelines and Limitations for PTP
SNMP	Added the ability to configure the SNMP local engine ID.	7.0(3)I6(1)	Guidelines and Limitations for SNMP Configure SNMP Local Engine ID
SPAN	Updated the SPAN guidelines and limitations for Cisco Nexus N9K-X9636C-R and N9K-X9636Q-R line cards.	7.0(3)F2(1)	Guidelines and Limitations for SPAN
sFlow	Updated the sFlow guidelines and limitations for Cisco Nexus N9K-X9636C-R and N9K-X9636Q-R line cards.	7.0(3)F2(1)	Guidelines and Limitations for sFlow
ERSPAN	Added Tx broadcast and multicast support for Layer 2 port sources.	7.0(3)I5(2)	Guidelines and Limitations for ERSPAN

Feature	Description	Changed in Release	Where Documented
SPAN	Added Tx broadcast and multicast support for Layer 2 port sources.	7.0(3)I5(2)	Guidelines and Limitations for SPAN
TAP aggregation	Added support for IPv4 ACLs with UDF-based match.	7.0(3)I5(2)	Guidelines and Limitations for TAP Aggregation
Support for IPv6 ACLs	Added support for IPv6 ACLs for tap aggregation.	7.0(3)I5(1)	Configuring a TAP Aggregation Policy
sFlow	Added support for the Cisco Nexus 9200 and 9300-EX Series switches.	7.0(3)I5(1)	Guidelines and Limitations for sFlow
DCBXP	Added support for the Cisco Nexus 9200 and 9300-EX Series switches.	7.0(3)I5(1)	About LLDP
GIR Enhancements	Added support for GIR enhancements.	7.0(3)I5(1)	Maintenance Mode Enhancements
PTP Unicast Mode	Updated support for PTP unicast mode.	7.0(3)I4(5)	Assign Master Role
SNMP	Updated the MIBs information.	7.0(3)I4(2)	Enable SNMP Notifications
SPAN	Added support for the CPU as a SPAN destination for Cisco Nexus 9300-EX Series switches.	7.0(3)I4(2)	Configuring SPAN
SNMP	Added the ability to span forward packet drops in the ingress pipeline for Cisco Nexus 9200 Series switches.	7.0(3)I4(1)	Enable SNMP Notifications
ERSPAN	Added the ability to span forward packet drops in the ingress pipeline for Cisco Nexus 9200 Series switches.	7.0(3)I4(1)	Configuring ERSPAN
ERSPAN	Added the set-erspan-gre-proto and set-erspan-dscp actions to the ERSPAN ACL for Cisco Nexus 9200 Series switches.	7.0(3)I4(1)	Configuring ERSPAN
ERSPAN and SPAN	Added support for user-defined field (UDF)-based ERSPAN and UDF-based SPAN for Cisco Nexus 9200 Series switches.	7.0(3)I4(1)	Configuring ERSPAN and Configuring SPAN
ERSPAN and SPAN	Added support for the same source in multiple sessions.	7.0(3)I4(1)	Configuring ERSPAN and Configuring SPAN

Feature	Description	Changed in Release	Where Documented
ERSPAN and SPAN	Added support for multiple ACL filters on the same source for Cisco Nexus 9300 and 9500 Series switches.	7.0(3)I4(1)	Configuring ERSPAN and Configuring SPAN
SNMP	Added the ability to assign an IPv6 ACL to an SNMPv2 community or SNMPv3 user to filter SNMP requests.	7.0(3)I4(1)	Filter SNMP Requests
SPAN	Added support for the CPU as a SPAN destination for Cisco Nexus 9200 Series switches only.	7.0(3)I4(1)	Configuring SPAN
LLDP	Added support for DCBXP.	7.0(3)I3(1)	Configuring LLDP
System message logging	Added the ability to configure the origin ID for syslog messages.	7.0(3)I3(1)	Configuring the Origin ID for Syslog Messages
Graceful insertion and removal (GIR)	Added shutdown support for vPC domains and isolate support for the PIM protocol.	7.0(3)I2(2)	Configuring Graceful Insertion and Removal
LLDP	Added the show lldp all command.	7.0(3)I2(2)	Configuring LLDP
ERSPAN	Added the allow-pfc option to the source interface command to allow the spanning of priority flow control (PFC) frames.	7.0(3)I2(1)	Configuring ERSPAN
ERSPAN	Added egress interface information to the output of the show monitor session command.	7.0(3)I2(1)	Configuring ERSPAN
ERSPAN	Added the ability to span forward packet drops in the ingress pipeline.	7.0(3)I2(1)	Configuring ERSPAN
ERSPAN	Adds the set-erspan-gre-proto and set-erspan-dscp actions to the ERSPAN ACL.	7.0(3)I2(1)	Configuring ERSPAN
ERSPAN and SPAN	Added support for user-defined field (UDF)-based ERSPAN and UDF-based SPAN.	7.0(3)I2(1)	Configuring ERSPAN and Configuring SPAN
Graceful insertion and removal (GIR)	Introduced this feature.	7.0(3)I2(1)	Configuring Graceful Insertion and Removal

Feature	Description	Changed in Release	Where Documented
MPLS stripping	Introduced this feature.	7.0(3)I2(1)	Configuring TAP Aggregation and MPLS Stripping
sFlow	Introduced this feature.	7.0(3)I2(1)	Configuring sFlow
Switch profiles (config-sync)	Introduced this feature.	7.0(3)I2(1)	Configuring Switch Profiles
PortLoopback test	Changed the behavior from on demand to periodic (running every 30 minutes).	7.0(3)I1(2)	Runtime or Health Monitoring Diagnostics
TAP aggregation	Added support for 100G ports.	7.0(3)I1(2)	Configuring TAP Aggregation and MPLS Stripping
Precision Time Protocol (PTP)	Added support for all Cisco Nexus 9000 Series and 3164Q hardware except for the 100G 9408PC line card and the 100G M4PC generic expansion module (GEM).	7.0(3)I1(2)	Configuring PTP
ERSPAN	Added support for ERSPAN Type III and 1588 timestamping in ERSPAN Type III packets.	7.0(3)I1(1)	Configuring ERSPAN
Precision Time Protocol (PTP)	Introduced this feature for the Cisco Nexus 9332PQ, 9396PX, and 93128TX switches; the Cisco Nexus 9504 and 9508 switches with all of the PTP ports on a single X9636PQ line card; and the Cisco Nexus 3164Q switch.	7.0(3)I1(1)	Configuring PTP
TAP aggregation	Introduced this feature.	7.0(3)I1(1)	Configuring TAP Aggregation and MPLS Stripping