New and Changed Information

This chapter provides release-specific information for each new and changed feature in the *Cisco Nexus 9000 Series NX-OS Interfaces Configuration Guide*.

New and Changed Information

Table 1: New and Changed Features for Release 9.3(x)

Feature	Description	Changed in Release	Where Documented
Layer 3 router over vPC	Added creation of syslog when peer-gateway and layer 3 peer-router commands are not configured on both the vPC peers in the vPC domain.	9.3(9)	Guidelines and Limitations
BFD multi hop/single hop session	A new command **bfd [multihop | singlehop]** is introduced.	9.3(6)	Configuring BFD on BGP
Multicast and Broadcast Subinterface Counters	Added support for Cisco Nexus N9K-C9336C-FX2 and N9K-C93240YC-FX2 switches.	9.3(6)	Configuring Subinterface Multicast and Broadcast Counters Guidelines and Limitations for Layer 3 Interfaces
IP Unnumbered on SVI Secondary VLAN on the Gateway	Added support for IP unnumbered on the secondary SVI in the gateway on Cisco Nexus N9K-C9316D-GX, N9K-C93600CD-GX and N9K-C9364C-GX switches.	9.3(6)	Configuring IP Unnumbered on SVI Secondary VLAN on the Gateway

Feature	Description	Changed in Release	Where Documented
100M Half-Duplex support	Added support for Cisco N9K-C9348GC-FXP and N9K-C92348GC-X switches.	9.3(6)	Guidelines and Limitations
NAT	Added support for Cisco Nexus N9K-C9316D-GX, N9K-C93600CD-GX and N9K-C9364C-GX switches.	9.3(5)	Configuring FINRST and SYN Timers
Sub interface support range from 1-4094	Added support for Cisco Nexus N9K-C9316D-GX, N9K-C93600CD-GX and N9K-C9364C-GX switches.	9.3(5)	Configuring a Subinterface on a Routed Interface
Selective Q-in-Q with Multiple Provider VLANs	Added support for Selective Q-in-Q with Multiple Provider VLANs on Cisco Nexus N9K-C9316D-GX, N9K-C93600CD-GX and N9K-C9364C-GX switches.	9.3(5)	Guidelines and Limitations for Selective Q-in-Q with Multiple Provider VLANs
IPv6 Flow Label Hashing	Added support for Cisco Nexus N9K-C9316D-GX, N9K-C93600CD-GX and N9K-C9364C-GX switches.	9.3(5)	Configuring ECMP Load Balancing
IP Load Sharing Options	Added support for Cisco Nexus N9K-C9316D-GX, N9K-C93600CD-GX and N9K-C9364C-GX switches.	9.3(5)	Configuring ECMP Load Balancing
SVI and Subinterface Ingress/Egress Unicast Counters	Added support for Cisco Nexus N9K-C9316D-GX, N9K-C93600CD-GX and N9K-C9364C-GX switches.	9.3(5)	Configuring SVI and Subinterface Ingress/Egress Unicast Counters
Multiple VRFs for Tunnel Decapsulation	Added support for Cisco Nexus N9K-C9316D-GX, N9K-C93600CD-GX and N9K-C9364C-GX switches.	9.3(5)	Guidelines and Limitations
Breakout Support	Added 2x50G breakout support for Cisco Nexus N9K-C93600CD-GX and N9K-C9364C-GX devices.	9.3(5)	Notes About Breakout Interfaces Cisco Nexus 9000 C93600CD-GX Switch Cisco Nexus 9000 C9364C-GX Switch

Feature	Description	Changed in Release	Where Documented
Optics Support: 10G BASE-T SFP+	Added support for 10G BASE-T SFP+ on Cisco Nexus N9K-C93240YC-FX2, N9K-C93180YC-EX, N9K-C93180YC-FX and N9K-C93360YC-FX2 devices.	9.3(5)	Cisco SFP-10G-T-X Module Support Configuring Media-Type for SFP-10G-T-X Verifying Media-Type
Unidirectional Ethernet	Added support for Unidirectional Ethernet on Cisco Nexus 9500 switches with X97160YC-EX line cards.	9.3(5)	Unidirectional Ethernet (UDE) Overview Guidelines and Limitations for Unidirectional Ethernet Configuring Unidirectional Ethernet
Cisco Nexus 9364C-GX Switch Breakout	Added 4x10G and 4x25G breakout support for Cisco Nexus N9K-C9364C-GX Switches.	9.3(3)	Cisco Nexus 9000 C9364C-GX Switch
Cisco Nexus 93600CD-GX Switch Breakout	Added breakout support for Cisco Nexus 93600CD-GX Switches	9.3(3)	Notes About Breakout Interfaces Cisco Nexus 9000 C93600CD-GX Switch
SVI and Subinterface Ingress/Egress Unicast Counters	Added support for SVI and subinterface unicast counters on Cisco Nexus 9300-EX, 9300-FX/FX2 switches; and Cisco Nexus 9500 series switches with X9700-EX|X9700-FX line cards.	9.3(3)	Configuring SVI and Subinterface Ingress/Egress Unicast Counters Guidelines and Limitations for Layer 3 Interfaces
GTP Tunnel Load Balancing	Added support for Cisco Nexus 9500 platform switches with 9700-EX and 9700-FX line cards.	9.3(3)	GTP Tunnel Load Balancing
IPv6 Multihop BFD	Added support for Cisco Nexus 9300-GX switches.	9.3(3)	#unique_32
SVI Statistics on Layer 3	Added support to display SVI statistics on layer 3 on Cisco Nexus 3100 series switches.	9.3(3)	Configuring SVI TCAM Region

Feature	Description	Changed in Release	Where Documented
IP Load sharing enhancements GRE inner header hashing ECMP symmetric hashing	Added support for IP load sharing enhancements, GRE inner header hashing and ECMP symmetric hashing on Cisco Nexus 9364C-GX and 93600CD-GX Switches.	9.3(3)	Configuring ECMP Load Balancing
Combined Access Port Feature set	Added support for Selective Q-in-Q including catch-all, vPC, PVLAN, Storm Control	9.3(3)	Guidelines and Limitations for Selective Q-in-Q with Multiple Provider VLANs Configuring Combined Access Port Feature set
Multiple VRF support on tunnel decap	Added support for multiple IP-in-IP/GRE tunnel interfaces on a same Cisco Nexus device that can be sourced from or destined to the same IP address across different VRFs. Added support for Cisco Nexus 93180YC-FX and 9300-GX platforms.	9.3(3)	Guidelines and Limitations
Bidirectional Forwarding Detection	Added support for Cisco Nexus 9364C-GX, 9316D-GX, and 93600CD-GX platforms.	9.3(3)	Guidelines and Limitations
Port-channel symmetric hashing	Added support for Cisco Nexus 9300-GX platform.	9.3(3)	Guidelines and Limitations
Port-channel hash based on GRE inner IP header and GTP TEID	Added support for Cisco Nexus 9300-GX platform.	9.3(3)	GTP Tunnel Load Balancing Guidelines and Limitations
ECMP symmetric hashing	Introduced this feature.	9.3(1)	Guidelines and Limitations
Port-channel symmetric hashing	Added support for Cisco Nexus 9300-EX and 9300-FX/FX2 switches and -EX and -FX line cards.	9.3(1)	Guidelines and Limitations
Port-channel hash based on GRE inner IP header	Added support for this feature.	9.3(1)	Guidelines and Limitations Load Balancing Using Port Channels

Feature	Description	Changed in Release	Where Documented
ECMP hash based on the GRE inner IP header	Added support for this feature.	9.3(1)	Guidelines and Limitations Load Balancing Using Port Channels
LACP fast timer support during system switchover	Added support for Cisco Nexus 9500 platform switches with -EX and -FX line cards.	9.3(1)	LACP Fast Timers
System jumbo MTU size	Added support for configuring an MTU size of up to 9216 bytes on management interfaces.	9.3(1)	Configuring the System Jumbo MTU Size
BFD multihop for BGP IPv6	Introduced this feature.	9.3(1)	#unique_32