

New and Changed Information

This table summarizes the new and changed features for the *Cisco Nexus 9000 Series NX-OS Interfaces Configuration Guide, Release 10.6(x)* and where they are documented.

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Table 1: New and Changed Features

Feature	Description	Changed in Release	Where Documented
N9K-C9332D-H2R OLS Support	N9K-C9332D-H2R is supported for Optical Line System.	10.6(3)F	Supported Platforms
Layer 2 support on 9800 Series EoR line cards	Added Layer 2 support on Cisco Nexus 9800 Series switches with N9K-X9836DM-A and N9K-X98900CD-A line cards.	10.6(3)F	Guidelines and Limitations for Layer 2 Interfaces
OLS SNMP support	Adds SNMP support for Optical Line System (OLS) pluggable modules	10.6(3)F	SNMP support for OLS
Application Select Code for transceivers that follow CMIS	Added support for Application Select Code for transceivers that follow CMIS	10.6(3)F	Application Select Code Provisioning for Transceivers
ZR firmware upgrade support on N9K-C93600CD-GX and N9K-C9316D-GX TORs	Added support for ZR firmware upgrade on N9K-C93600CD-GX and N9K-C9316D-GX TORs	10.6(3)F	Guidelines and Limitations for 400G Digital Coherent Optics
Per-VRF Resilient ECMP for L3 Routing	Allows configuration of resilient ECMP at the VRF level for native Layer 3 routing. Supported on Cisco Nexus FX2, FX3, GX, GX2, and HX platform switches.	10.6(3)F	Configure Per-VRF Resilient ECMP for L3 Routing

Feature	Description	Changed in Release	Where Documented
Transceiver Firmware upgrade	ZR, ZRP and Bright ZR firmware upgrade is supported on 9300-GX2 TOR, and N9K-X9836DM-A and N9K-X98900CD-A line cards	10.6(2)F	Guidelines and Limitations for 400G Digital Coherent Optics
Support Nexus N9396T12C-SE1 switch	Added Cisco Nexus N9396T12C-SE1 switch features.	10.6(2)F	Cisco Nexus N9396T12C-SE1 switch features
Support Nexus N9396Y12C-SE1	Added Cisco Nexus Nexus N9396Y12C-SE1 switch features	10.6(2)F	Cisco Nexus N9396Y12C-SE1 switch features
Support for port speeds and breakout options on Cisco N9324C-SE1U and Cisco N9348Y2C6D-SE1U switches.	Beginning with Cisco NX-OS Release 10.6(2)F, additional port speeds and breakout options are supported on Cisco N9324C-SE1U and N9348Y2C6D-SE1U switches. For detailed information by model.	10.6(2)F	Best Practices and Limitations for Interface Configuration
Support for Layer 3 routed and routed subinterfaces (native and port-channel) on Cisco N9324C-SE1U and Cisco N9348Y2C6D-SE1U switches.	Added support for Layer 3 routed and routed subinterfaces (native and port-channel) on Cisco N9324C-SE1U and N9348Y2C6D-SE1U switches.	10.6(2)F	Guidelines and Limitations for Layer 3 Interfaces
Support for VLAN access and trunk modes on Cisco N9324C-SE1U and Cisco N9348Y2C6D-SE1U switches.	Added support for VLAN access and trunk interface configurations on Cisco N9324C-SE1U and N9348Y2C6D-SE1U switches.	10.6(2)F	Guidelines and Limitations for Layer 2 Interfaces
Support for Q-in-Q VLAN tunnels on Cisco N9324C-SE1U and Cisco N9348Y2C6D-SE1U switches.	Added support for Q-in-Q VLAN tunnels on Cisco N9324C-SE1U and Cisco N9348Y2C6D-SE1U switches.	10.6(2)F	Guidelines and Limitation on N9300-Series Smart Switches
Support for port-channel and vPC features on Cisco N9324C-SE1U and Cisco N9348Y2C6D-SE1U switches.	Added support for port-channel and vPC features on Cisco N9324C-SE1U and Cisco N9348Y2C6D-SE1U switches.	10.6(2)F	Support for VPC on Cisco Nexus 9336C-SE1 and N9300 Series

Feature	Description	Changed in Release	Where Documented
Support for Link Aggregation Control Protocol (LACP) on Cisco N9324C-SE1U and Cisco N9348Y2C6D-SE1U switches.	Added support for Link Aggregation Control Protocol (LACP) on Cisco N9324C-SE1U and Cisco N9348Y2C6D-SE1U switches.	10.6(2)F	Guidelines and Limitations
Support for UDLD on Cisco N9324C-SE1U and Cisco N9348Y2C6D-SE1U switches.	Added support for Unidirectional Link Detection (UDLD) on Cisco N9K-X9836DM-A, N9K-X98900CD-A, N9336C-SE1, N9396Y12C-SE1, N9396T12C-SE1, N9324C-SE1U, and N9348Y2C6D-SE1U switches.	10.6(2)F	UDLD
Support for Q-in-Q VLAN tunnels on Cisco N9336C-SE1 switch.	Added support for Q-in-Q VLAN tunnels.	10.6(1)F	Guidelines and Limitation on Cisco Nexus N9336C-SE1 Switch
Support for UDLD and port profiles features on Cisco N9336C-SE1 switch.	Added support for UDLD and port profiles featuresfeatures.	10.6(1)F	Cisco Nexus 9336C-SE1 switch features
Support for Layer 2 features on Cisco N9336C-SE1 switch.	Added support for Layer 2 features.	10.6(1)F	Guidelines and Limitations for Cisco N9336C-SE1 Switch
Support for VPC on Cisco N9336C-SE1 switch.	Added support for VPC.	10.6(1)F	Guidelines and Limitations for vPC
Support for port-channel on Cisco N9336C-SE1 switch.	Added support for port-channel.	10.6(1)F	Guidelines and Limitations
Support for Single Hop BFD on Cisco N9336C-SE1 switch.	Added support for single hop BFD	10.6(1)F	Guidelines and Limitations
Versatile diagnostic monitoring for optics	Added support for Versatile diagnostic monitoring(VDM)	10.6(1)F	Versatile diagnostics monitoring for optics
Support for Cisco SFP-10G-OLT20-X modules	Added support for Cisco SFP-10G-OLT20-X modules	10.6(1)F	Cisco SFP-10G-OLT20-X modules

Feature	Description	Changed in Release	Where Documented
Support for performance monitoring data for ZR/ZRP optics.	Performance monitoring data for ZR/ZRP optics is supported starting in Cisco NX-OS Release 10.6(1)F. Administrators can collect and review historical transceiver performance data for these optics. In addition, you can now use the `clear counters interface transceiver performance-monitoring history` command without specifying an interval to clear 30-second, 15-minute, and 24-hour bucket data in a single operation.	10.6(1)F	Guidelines and Limitations for 400G Digital Coherent Optics