



New and Changed Information

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

- [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 FCoE Configuration Guide* and where they are documented.

Table 1: New and Changed Features

Feature	Description	Changed in Release	Where Documented
FCoE NPV	Guideline for FCoE and VXLAN.	7.0(3)I7(3)	Guidelines and Limitations for Configuring FCoE NPV
FCoE NPV	Added support for N9K-X9736C-FX line card	7.0(3)I7(2)	Guidelines and Limitations for Configuring FCoE NPV
Slow drain device detection and congestion avoidance	Slow drain device detection and congestion avoidance is supported on the N9K-X9736C-FX line card	7.0(3)I7(2)	Fibre Channel Slow Drain Device Detection and Congestion Avoidance
Slow drain device detection and congestion avoidance	Slow drain device detection and congestion avoidance is supported on the N9K-C93180YC-FX switch	7.0(3)I7(1)	Fibre Channel Slow Drain Device Detection and Congestion Avoidance
6 QSFP+ ports as uplink ports or server ports	The N9K-C93180YC-FX switch supports using 6 QSFP+ ports (40G) used as uplink ports or server ports	7.0(3)I7(1)	Guidelines and Limitations for Configuring FCoE NPV

Feature	Description	Changed in Release	Where Documented
FCoE NPV	Added support for the N9K-C93180YC-FX switch	7.0(3)I7(1)	Guidelines and Limitations for Configuring FCoE NPV
QoS	Added support of default FCoE policies for network-qos, queuing output, and queuing input	7.0(3)I7(1)	Configuring QoS for no-drop Support
FCoE NPV	Added support for the N9K-C93180LC-EX switch	7.0(3)I6(1)	Guidelines and Limitations for Configuring FCoE NPV
Dual-homed FEX topology (Active/Active FEX topology)	Introduced this feature.	7.0(3)I5(2)	Dual-Homed FEX Topology (Active/Active FEX Topology)
Fibre Channel Slow Drain Device Detection	Added Fiber Channel slow drain device detection support in the N9K-X9732C-EX line card.	7.0(3)I5(2)	Fibre Channel Slow Drain Device Detection and Congestion Avoidance
FCoE NPV	Added support for the N9K-X9732C-EX line card.	7.0(3)I5(2)	Guidelines and Limitations for Configuring FCoE NPV
shutdown lan command support for FEX HIF ports and port-channels	To avoid having the FCoE link go down when the system detects a vPC inconsistency, use the shutdown lan command to shutdown the LAN traffic on port-channels and individual Ethernet ports.	7.0(3)I5(1)	LAN Shutdown
Fibre Channel Slow Drain Device Detection	Enables slow drain device detection and congestion avoidance when slow devices are attached to the network fabric resulting with end devices not accepting frames at a configured rate that leads to traffic congestion on the links	7.0(3)I5(1)	Fibre Channel Slow Drain Device Detection and Congestion Avoidance
FCoE Over FEX support	Enables Fibre Channel traffic to be carried on a FEX port. The FEX is connected to Cisco Nexus 9000 device (in FCoE NPV mode) through a Fabric Port Channel (FPC).	7.0(3)I5(1)	Guidelines and Limitations for FCoE Over FEX
MAC bound vFC support	Binds the virtual Fibre Channel interface to a host MAC address before a virtual Fibre Channel interface can be used.	7.0(3)I5(1)	Creating a Virtual Fibre Channel Interface

Feature	Description	Changed in Release	Where Documented
Pause frame timeout support	Enables a pause frame timeout value on a port to empty the buffer space in the ISL link and helps to reduce the fabric slowdown and the congestion on other unrelated flows using the same link.	7.0(3)I5(1)	Configuring a Pause Frame Timeout Value
shutdown lan command support	Added support for the shutdown lan command.	7.0(3)I4(1)	Information About Shutting Down LAN Traffic
FCoE VLANs and virtual interfaces support	Added support for FCoE VLANs and virtual interfaces.	7.0(3)I4(1)	Guidelines and Limitations for FCoE VLANs and Virtual Interfaces
FCoE NPV support	Initial support	7.0(3)I3(1)	

