



New and Changed Information

This chapter provides release-specific information for each new and changed feature in the *Cisco Nexus 5000 Series NX-OS Fibre Channel Command Reference*. The latest version of this document is available at the following Cisco website:

http://www.cisco.com/en/US/products/ps9670/prod_command_reference_list.html

To check for additional information about this Cisco NX-OS Release, see the *Cisco Nexus 5000 Series Switch Release Notes* available at the following Cisco website:

http://www.cisco.com/en/US/products/ps9670/prod_release_notes_list.html

New and Changed Information for Cisco NX-OS Releases

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New and Changed Information for Cisco NX-OS Release 5.2(1)N1(1)

There are no new or changed commands for Cisco NX-OS Release 5.2(1)N1(1).

New and Changed Information for Cisco NX-OS Release 5.1(3)N1(1)

[Table 1](#) summarizes the new and changed commands for Cisco NX-OS Release 5.1(3)N1(1) and tells you where they are documented.

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Table 1 *New and Changed Information for Release 5.1(3)N1(1)*

Feature	Description	Where Documented
Release 5.1(3)N1(1)		
CiscoAdapter Fabric Extender (Adapter-FEX)	<p>This feature was introduced.</p> <p>The following commands were updated to support Adapter-FEX:</p> <ul style="list-style-type: none"> bind feature-set virtualization interface vethernet 	bind feature-set virtualization interface vethernet
Boot from SAN on virtual port channel (vPC)	<p>This feature was introduced.</p> <p>The following commands were added to support this feature:</p> <ul style="list-style-type: none"> fcoe channel mode active switchport show interface san-port-channel show running-config interface san-port-channel <p>The following commands were updated to support this feature:</p> <ul style="list-style-type: none"> bind interface san-port-channel shutdown 	channel mode active (SAN PortChannel) fcoe interface san-port-channel shutdown switchport (SAN PortChannel) show interface san-port-channel show running-config interface san-port-channel
Fabric Binding	<p>The feature fabric-binding command was added. This command replaced the fabric-binding enable command.</p>	feature fabric-binding
Fibre Channel over Ethernet (FCoE) over Adapter-FEX	This feature was introduced.	fcoe
Virtual Ethernet interfaces	This feature was introduced.	feature-set virtualization install feature-set virtualization interface vethernet
SAN Port Channel	<p>The following commands were updated:</p> <ul style="list-style-type: none"> interface san-port-channel <p>The following keywords, which in earlier releases were part of the interface san-port-channel command, now appear as independent commands:</p> <ul style="list-style-type: none"> description shutdown switchport 	interface san-port-channel shutdown switchport (SAN PortChannel)

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New and Changed Information for Cisco NX-OS Release 5.0(3)N2(1)

Table 2 summarizes the new and changed commands for Cisco NX-OS Release 5.0(3)N2(1) and tells you where they are documented.

Table 2 *New and Changed Information for Release 5.0(3)N2(1)*

Feature	Description	Where Documented
Release 5.0(3)N2(1)		
Fibre Channel over Ethernet (FCoE)	This feature was introduced.	bind mac-address disable-fka fcoe vloopback feature fcoe-npv switchport (virtual Fibre Channel interface) show fcoe-npv issu-impact show running-config fcoe_mgr show startup-config fcoe_mgr show tech-support fcoe

New and Changed Information for Cisco NX-OS Release 5.0(3)N1(1)

There were no new and changed commands for Cisco NX-OS Release 5.0(3)N1(1).

New and Changed Information for Cisco NX-OS Release 5.0(2)N2(1)

Table 3 summarizes the new and changed commands for Cisco NX-OS Release 5.0(2)N2(1) and tells you where they are documented.

Table 3 *New and Changed Information for Release 5.0(2)N2(1)*

Feature	Description	Where Documented
Release 5.0(2)N2(1)		
Support for VE port	Support was added to configure Fabric Shortest Path First (FSPF) parameters for virtual E (VE) ports.	fspf cost fspf dead-interval fspf hello-interval fspf passive fspf retransmit-interval interface vfc switchport (virtual Fibre Channel interface)

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New and Changed Information for Cisco NX-OS Release 5.0(2)N1(1)

[Table 4](#) summarizes the new and changed commands for Cisco NX-OS Release 5.0(2)N1(1) and tells you where they are documented.

Table 4 *New and Changed Information for Release 5.0(2)N1(1)*

Feature	Description	Where Documented
Release 5.0(2)N1(1)		
Virtual Fibre Channel interface	<p>The following commands were updated:</p> <ul style="list-style-type: none"> interface vfc switchport mode trunk <p>The following keywords, which in earlier releases were part of the interface vfc command, now appear as independent commands for configuring virtual Fibre Channel interfaces:</p> <ul style="list-style-type: none"> bind description shutdown switchport 	<p>bind</p> <p>description (virtual Fibre Channel interface)</p> <p>interface vfc</p> <p>shutdown</p> <p>switchport (virtual Fibre Channel interface)</p> <p>switchport mode trunk</p>

New and Changed Information for Cisco NX-OS Release 4.2(1)N1(1)

[Table 5](#) summarizes the new and changed commands for Cisco NX-OS Release 4.2(1)N1(1) and tells you where they are documented.

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Table 5 ***New and Changed Information for Release 4.2(1)N1(1)***

Feature	Description	Where Documented
Release 4.2(1)N1(1)		
Fibre Channel Port Security	<p>The following FC port security commands were added:</p> <ul style="list-style-type: none"> • clear fc-port-security This command replaced the clear port-security command. • fc-port-security This command replaced the port-security command. • fc-port-security abort This command replaced the port-security abort command. • fc-port-security commit This command replaced the port-security commit command. • fc-port-security database This command replaced the port-security database command. • fc-port-security distribute This command replaced the port-security distribute command. • feature fc-port-security This command replaced the port-security enable command. 	clear fc-port-security fc-port-security fc-port-security abort fc-port-security commit fc-port-security database fc-port-security distribute feature fc-port-security Show Commands
Fibre Channel over Ethernet (FCoE)	<p>The following FCoE commands were added:</p> <ul style="list-style-type: none"> • fcoe fcf-priority • fcoe fcmmap • fcoe fka-adv-period • fcoe vsan 	fcoe fcf-priority fcoe fcmmap fcoe fka-adv-period fcoe vsan show interface fcoe show vlan fcoe

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Table 5 *New and Changed Information for Release 4.2(1)N1(1) (continued)*

Feature	Description	Where Documented
Fibre Channel Security Protocol (FC-SP)	<p>The following FCoE commands were added:</p> <ul style="list-style-type: none"> feature fcsp This command replaced the fcsp enable command. feature port-track This command replaced the port-track enable command. show fc-port-security This command replaced the show port-security command. 	feature fcsp feature port-track show fc-port-security
VSAN	<p>The following command was added:</p> <ul style="list-style-type: none"> show vsan <p>The following commands were updated:</p> <ul style="list-style-type: none"> vsan 	show vsan vsan

New and Changed Information for Cisco NX-OS Release 4.1(3)N1(1)

[Table 6](#) summarizes the new and changed commands for Cisco NX-OS Release 4.1(3)N1(1) and tells you where they are documented.

Table 6 *New and Changed Information for Release 4.1(3)N1(1)*

Feature	Description	Where Documented
Release 4.1(3)N1(1)		
N Port Virtualization	<p>The following commands were added:</p> <ul style="list-style-type: none"> feature npiv feature npv <p>The above commands replaced the following commands, respectively:</p> <ul style="list-style-type: none"> npiv enable npv enable 	feature npiv feature npv
Port Tracking	The feature port-track command was added. This command replaced the port-track enable command.	feature port-track

New and Changed Information for Cisco NX-OS Release 4.0(0)N1(1a)

[Table 7](#) summarizes the new and changed commands for Cisco NX-OS Release 4.0(0)N1(1a) and tells you where they are documented.

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Table 7 ***New and Changed Information for Release 4.0(0)N1(1a)***

Feature	Description	Where Documented
Release 4.0(0)N1(1a)		
Support for virtual Fibre Channel (vFC) interface	This feature was introduced.	bind description (virtual Fibre Channel interface) interface vfc switchport (virtual Fibre Channel interface) switchport mode trunk Show Commands
N Port	The following features were introduced: <ul style="list-style-type: none"> • N Port Identifier Virtualization (NPIV) • N Port Virtualization (NPV) 	feature npiv feature npv Show Commands
Fabric-Device Management Interface (FDMI)	This feature was introduced.	fdmi suppress-updates Show Commands
Fibre Channel over Ethernet (FCoE)	This feature was introduced.	feature fcoe shutdown lan (FCoE) Show Commands
Cisco Fabric Services (CFS)	This feature was introduced.	cfs distribute cfs ipv4 distribute cfs ipv4 mcast-address cfs ipv6 distribute cfs ipv6 mcast-address cfs region cfs staggered-merge logging abort logging commit logging distribute Show Commands
Fabric Binding	This feature was introduced.	fabric profile fabric-binding activate fabric-binding database copy fabric-binding database diff fabric-binding database vsan fabric-binding enable Show Commands

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Table 7 ***New and Changed Information for Release 4.0(0)N1(1a) (continued)***

Feature	Description	Where Documented
Port tracking	This feature was introduced.	feature port-track port-track force-shut port-track interface Show Commands
Fibre Channel Port Security	This feature was introduced.	clear fc-port-security fc-port-security fc-port-security abort fc-port-security commit fc-port-security database fc-port-security distribute feature fc-port-security Show Commands

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Table 7 ***New and Changed Information for Release 4.0(0)N1(1a) (continued)***

Feature	Description	Where Documented
Fibre Channel	Several commands were added or updated to support Fibre Channel configurations.	clear device-alias clear fcdomain clear fcflow stats clear fcns statistics clear fcsm log clear fcs statistics clear fctimer session discover scsi-target fcalias clone fcalias name fcdomain fcdomain abort vsan fcdomain commit vsan fcdomain distribute fcdomain rcf-reject fcdroplateny fcflow stats fcid-allocation fcinterop fcid-allocation fcns no-auto-poll fcns proxy-port fcping fcroute fcs plat-check-global fcs register fcs virtual-device-add fctimer fctimer distribute fctrace in-order-guarantee interface fc lldp lldp (interface) member (fcalias configuration mode)

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Table 7 ***New and Changed Information for Release 4.0(0)N1(1a) (continued)***

Feature	Description	Where Documented
		purge fcdomain fcid scsi-target switchport (Fibre Channel) switchport mode trunk switchport ignore bit-errors system default switchport trunk protocol enable Show Commands
WWN	This feature was introduced.	vsan vsan database wwn secondary-mac wwn vsan Show Commands
SAN Port Channel	This feature was introduced.	interface san-port-channel san-port-channel persistent shutdown switchport (SAN PortChannel) Show Commands
Fibre Channel Security Protocol (FC-SP)	This feature was introduced.	fcsp fcsp dhchap fcsp reauthenticate fcsp timeout feature fcsp Show Commands
Fabric Shortest Path First (FSPF)	This feature was introduced.	clear fspf counters fspf config fspf cost fspf dead-interval fspf enable fspf hello-interval fspf passive fspf retransmit-interval Show Commands

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Table 7 ***New and Changed Information for Release 4.0(0)N1(1a) (continued)***

Feature	Description	Where Documented
Registered Link Incident Report (RLIR)	This feature was introduced.	clear rlir rlir preferred-cond feid Show Commands
Registered State Change Notification (RSCN)	This feature was introduced.	clear rscn session clear rscn statistics discover custom-list rscn rscn abort rscn commit rscn distribute rscn event-tov Show Commands
Zoning	This feature was introduced.	clear zone member (zone configuration mode) member (zoneset configuration mode) system default zone default-zone permit system default zone distribute full zone clone zone commit zone compact zone copy zone default-zone zone mode enhanced zone name (configuration mode) zone name (zone set configuration mode) zone rename zoneset (configuration mode) zoneset (EXEC mode) Show Commands

New and Changed Information for Cisco NX-OS Release 4.0

[Table 8](#) summarizes the new and changed commands for Cisco NX-OS Release 4.0 and tells you where they are documented.

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Table 8 ***New and Changed Information for Release 4.0***

Feature	Description	Where Documented
Release 4.0		
Fibre Channel	This feature was introduced.	C Commands D Commands Show Commands