New and Changed Information

This chapter provides release-specific information for each new and changed feature in the *Cisco Nexus 5000 Series NX-OS Interfaces 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

This section includes the following topics:

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

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

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

Feature	Description	Where Documented
Interface speed enhancement	Interface speed of 100 Mbps and the **auto** keyword was introduced. The following command was updated: • **speed (interface)**	speed (interface)
Interface duplex mode	This feature was introduced.	duplex
Interface statistics collection interval	This feature was introduced.	load-interval
Link Aggregation Control Protocol (LACP) graceful convergence	The following command was added: • **lacp graceful-convergence**	lacp graceful-convergence

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

Table 2 summarizes the new and changed features 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
Configurable Hash Polynomial	This feature was introduced on a Cisco Nexus 5548 switch and Cisco Nexus 5596 switch.	port-channel load-balance ethernet

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

Table 3 summarizes the new and changed features for Cisco NX-OS Release 5.0(3)N1(1) and tells you where they are documented.

Table 3 **New and Changed Information for Release 5.0(3)N1(1)**

Feature	Description	Where Documented
LLDP	The Link Layer Discovery Protocol (LLDP) is enabled by default on a Cisco NX-OS switch.	feature lldp
Layer 3 interfaces	This feature was introduced. The following Layer 3 interface commands were introduced: • **interface ethernet (Layer 3)** • **interface loopback** • **no switchport** The following commands were updated to include support for Layer 3 interfaces and subinterfaces: • **bandwidth (interface)** • **delay (interface)** • **description (interface)** • **interface port-channel** • **shutdown** • **show interface brief** • **show interface ethernet** • **show interface port-channel**	bandwidth (interface) delay (interface) description (interface) interface ethernet (Layer 3) interface loopback interface port-channel no switchport shutdown Show Commands
Unified ports	Support was added to configure unified ports on a Cisco Nexus 5548UP switch or Cisco Nexus 5596UP switch.	port

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

Table 4 summarizes the new and changed features for Cisco NX-OS Release 5.0(2)N2(1) and tells you where they are documented.

Table 4 **New and Changed Information for Release 5.0(2)N2(1)**

Feature	Description	Where Documented
Force addition of an interface into a channel group	You can force the addition of the interface into the specified channel group.	channel-group (Ethernet) Show Commands

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

Table 5 summarizes the new and changed features for Cisco NX-OS Release 5.0(2)N1(1) and tells you where they are documented.

Table 5   New and Changed Information for Release 5.0(2)N1(1)

Feature	Description	Where Documented
Link Aggregation Control Protocol (LACP) port suspension	The following command was added: • **lacp suspend-individual**	lacp suspend-individual

New and Changed Information for Cisco NX-OS Release 4.2(1)N2(1)

Table 6 summarizes the new and changed features for Cisco NX-OS Release 4.2(1)N2(1) and tells you where they are documented.

Table 6   New and Changed Information for Release 4.2(1)N2(1)

Feature	Description	Where Documented
Hardware Hashing	This feature was introduced.	hardware multicast hw-hash
Link Aggregation Control Protocol (LACP) enhancement	The following command was added: • **lacp rate fast**	lacp rate fast

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

Table 7 summarizes the new and changed features for Cisco NX-OS Release 4.2(1)N1(1) and tells you where they are documented.

Table 7   New and Changed Information for Release 4.2(1)N1(1)

Feature	Description	Where Documented
Layer 2 interface	Support for error-disable (err-disabled) detection was introduced.	errdisable detect cause errdisable recovery cause errdisable recovery interval Show Commands

New and Changed Information for Cisco NX-OS Release 4.0(1a)N2(1)

Table 8 summarizes the new and changed features for Cisco NX-OS Release 4.0(1a)N2(1) and tells you where they are documented.

Table 8   New and Changed Information for Release 4.0(1a)N2(1)

Feature	Description	Where Documented
Layer 2 interface	The following command was updated: • **inteface ethernet**	interface ethernet

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

Table 9 summarizes the new and changed features for Cisco NX-OS Release 4.0(1a)N1(1) and tells you where they are documented.

Table 9   New and Changed Information for Release 4.0(1a)N1(1)

Feature	Description	Where Documented
Unidirectional Link Detection (UDLD)	This feature was introduced.	feature udld udld (Ethernet) udld (Ethernet) show udld

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

Table 10 summarizes the new and changed features for Cisco NX-OS Release 4.0(0)N1(1a) and tells you where they are documented.

Table 10   New and Changed Information for Release 4.0(0)N1(1a)

Feature	Description	Where Documented
Layer 2 Ethernet interface	This feature was introduced.	bandwidth (interface) channel-group (Ethernet) delay (interface) description (interface) interface ethernet interface mgmt link debounce shutdown Show Commands
Port Channel	This feature was introduced.	interface port-channel port-channel load-balance ethernet Show Commands
Link Aggregation Control Protocol (LACP)	This feature was introduced.	clear lacp counters feature lacp lacp port-priority lacp system-priority Show Commands
Link Layer Discovery Protocol (LLDP)	This feature was introduced.	feature lldp Show Commands

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