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New and Changed Information

This chapter provides release-specific information for each new and changed feature in the *Cisco Nexus 5000 Series NX-OS Security 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 5.2\(1\)N1\(1\)](#), page xvii
- [New and Changed Information for Cisco NX-OS Release 5.1\(3\)N1\(1\)](#), page xviii
- [New and Changed Information for Cisco NX-OS Release 5.0\(3\)N2\(1\)](#), page xviii
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New and Changed Information for Cisco NX-OS Release 5.2(1)N1(1)

[Table 2](#) summarizes the new and changed features for Cisco NX-OS Release 5.2(1)N1(1) and tells you where they are documented.

Table 1 *New and Changed Information for Release 5.2(1)N1(1)*

Feature	Description	Where Documented
IPv6	Added support for IPv6.	ipv6 traffic-filter resequence

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

Table 2 summarizes the new and changed features for Cisco NX-OS Release 5.1(3)N1(1) and tells you where they are documented.

Table 2 *New and Changed Information for Release 5.1(3)N1(1)*

Feature	Description	Where Documented
IP ARP synchronization	This command was updated.	show ip arp sync-entries
Support for virtual Ethernet interfaces	The following commands were updated to extend support for virtual Ethernet interface configurations: <ul style="list-style-type: none"> ip port access-group ipv6 port traffic-filter mac port access-group show ip arp 	ip port access-group ipv6 port traffic-filter mac port access-group show ip arp

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

There are no new and changed features for Cisco NX-OS Release 5.0(3)N2(1).

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	Changed in Release	Where Documented
IP access group	Added the ip access-group command to apply an IPv4 access control list (ACL) to an interface as a router ACL.	5.0(3)N1(1)	ip access-group
IP Source Guard	This feature was introduced. The following IP Source Guard commands for Layer 2 Ethernet interfaces were introduced: <ul style="list-style-type: none"> ip verify source dhcp-snooping-vlan show ip verify source 	5.0(3)N1(1)	ip verify source dhcp-snooping-vlan show ip verify source

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

Feature	Description	Changed in Release	Where Documented
Dynamic ARP Inspection (DAI)	<p>This feature was introduced.</p> <p>Added the following commands to configure dynamic Address Resolution Protocol (ARP) inspection (DAI) on a Cisco NX-OS switch:</p> <ul style="list-style-type: none"> • ip arp inspection log-buffer • ip arp inspection validate • ip arp inspection vlan 	5.0(3)N1(1)	clear ip arp inspection log clear ip arp inspection statistics vlan ip arp inspection log-buffer ip arp inspection validate ip arp inspection vlan show ip arp inspection show ip arp inspection interfaces show ip arp inspection log show ip arp inspection statistics
Unicast RPF	<p>Added the ip verify unicast source reachable-via command to configure Unicast Reverse Path Forwarding (Unicast RPF) on an interface.</p>	5.0(3)N1(1)	ip verify unicast source reachable-via

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.

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

Feature	Description	Changed in Release	Where Documented
Release 5.0(2)N2(1)			
DHCP Snooping	You can configure DHCP snooping on switches and VLANs.	5.0(2)N2(1)	clear ip dhcp snooping binding clear ip dhcp snooping statistics feature dhcp ip dhcp packet strict-validation ip dhcp snooping ip dhcp snooping information option ip dhcp snooping trust ip dhcp snooping verify mac-address ip dhcp snooping vlan ip source binding show ip dhcp snooping show ip dhcp snooping binding show ip dhcp snooping statistics show running-config dhcp show startup-config dhcp

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	Changed in Release	Where Documented
Release 5.0(2)N1(1)			
Support for HTTP server	You can enable HTTP or Hypertext Transfer Protocol Secure (HTTPS) on a switch.	5.0(2)N1(1)	feature http-server
Privilege level	<p>You can enable the cumulative privilege of roles for command authorization on RADIUS and TACACS+ servers.</p> <p>You can also enable a user to move to a higher privilege level, or set a password for a specific privilege level.</p>	5.0(2)N1(1)	enable enable secret feature privilege role name rule show privilege

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

Feature	Description	Changed in Release	Where Documented
ACLs on VTY	You can configure an access class to restrict incoming or outgoing traffic on a virtual terminal line (VTY).	5.0(2)N1(1)	access-class ip access-class ip access-list show running-config aclmgr show startup-config aclmgr
Checkpoint and rollback	You can take a snapshot of the current running configuration or roll back to a specified checkpoint to restore the active configuration of the system.	5.0(2)N1(1)	checkpoint clear checkpoint database rollback running-config show checkpoint show checkpoint summary show checkpoint system show checkpoint user show diff rollback-patch checkpoint show diff rollback-patch file show diff rollback-patch running-config show diff rollback-patch startup-config show rollback log
SSH	You can set the number of login attempts that a user can try before being disconnected.	5.0(2)N1(1)	ssh login-attempts

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