



New and Changed Information

This chapter provides release-specific information for each new and changed feature in the *Cisco Nexus 7000 Series NX-OS Unicast Routing Configuration Guide, Release 4.x*. The latest version of this document is available at the following Cisco website:

http://www.cisco.com/en/US/docs/switches/datacenter/sw/4_2/nx-os/unicast/configuration/guide/l3_nx-os-book.html

To check for additional information about Cisco NX-OS Release 4.2, see the *Cisco NX-OS Release Notes* available at the following Cisco website:

http://www.cisco.com/en/US/docs/switches/datacenter/sw/4_2/nx-os/release/notes/42_nx-os_release_note.html

Table 1 summarizes the new and changed features for the *Cisco Nexus 7000 Series NX-OS Unicast Routing Configuration Guide, Release 4.x*, and tells you where they are documented.

Table 1 ***New and Changed Features for Release 4.x***

Feature	Description	Changed in Release	Where Documented
4.2			
Object Tracking	Added support for delay timers.	4.2(4)	Chapter 21, “Configuring Object Tracking”
BGP	Lowered BGP hold-time check for ISSU to eight seconds.	4.2(3)	Chapter 10, “Configuring Basic BGP” Chapter 11, “Configuring Advanced BGP”
BGP	Added support for IPv6, conditional advertisements, 4-byte AS numbers in plaintext notation, and extended communities.	4.2(1)	Chapter 10, “Configuring Basic BGP” Chapter 11, “Configuring Advanced BGP”
EIGRP	Added support limits on redistributed routes and graceful shutdown.	4.2(1)	Chapter 8, “Configuring EIGRP”
GLBP	Added support for extended hold timers.	4.2(1)	Chapter 18, “Configuring GLBP”
HSRP	Added support for extended hold timers.	4.2(1)	Chapter 19, “Configuring HSRP”
IS-IS	Added support limits on redistributed routes and graceful shutdown.	4.2(1)	Chapter 9, “Configuring IS-IS”

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Table 1 ***New and Changed Features for Release 4.x***

Feature	Description	Changed in Release	Where Documented
Managing Routes	Added support dynamic TCAM allocation and IPv6 consistency checker.	4.2(1)	Chapter 15, “Managing the Unicast RIB and FIB”
OSPF	Added support limits on redistributed routes and multi-area adjacency.	4.2(1)	Chapter 6, “Configuring OSPFv2” Chapter 7, “Configuring OSPFv3”
Route Policy Manager	Added support IPv6 and extended communities.	4.2(1)	Chapter 16, “Configuring Route Policy Manager”
Policy-based routing	Added support IPv6.	4.2(1)	Chapter 17, “Configuring Policy-Based Routing”
First-hop redundancy protocols	Added support for stateful switchover.	4.2(1)	Chapter 18, “Configuring GLBP” Chapter 19, “Configuring HSRP” Chapter 20, “Configuring VRRP”
WCCP	Added support WCCPv2	4.2(1)	Chapter 5, “Configuring WCCPv2”
4.1			
HSRP	Added support for vPC threshold values on HSRP priority.	4.1(3)	Chapter 19, “Configuring HSRP”
BGP	Added support dynamic AS numbers for prefix peers.	4.1(2)	Chapter 10, “Configuring Basic BGP”
EIGRP	Added support for IPv6.	4.1(2)	Chapter 8, “Configuring EIGRP”
IS-IS	Added support to set or unset the attached bit.	4.1(2)	Chapter 9, “Configuring IS-IS”
Route Policy Manager	Added support dynamic AS numbers in route maps.	4.1(2)	Chapter 16, “Configuring Route Policy Manager”
Object Tracking	Added support for IPv6.	4.1(2)	Chapter 21, “Configuring Object Tracking”
4.0			
ARP	Added support for gratuitous ARP.	4.0(3)	Chapter 2, “Configuring IPv4”
EIGRP	Added support for EIGRP authentication within a VRF.	4.0(3)	Chapter 8, “Configuring EIGRP”
EIGRP	Added support for EIGRP4-MIB	4.0(3)	Chapter 8, “Configuring EIGRP”
EIGRP	Modified the default EIGRP maximum paths to 8.	4.0(2)	Chapter 8, “Configuring EIGRP”