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 Command Reference. The latest version of this document is available at the following Cisco website:
http://www.cisco.com/c/en/us/support/switches/nexus-7000-series-switches/products-command-reference-list.html

To check for additional information about this Cisco NX-OS Release, see the Cisco NX-OS Release Notes available at the following Cisco website:
http://www.cisco.com/c/en/us/support/switches/nexus-7000-series-switches/products-release-notes-list.html

The table below summarizes the new and changed features for the Cisco Nexus 7000 Series NX-OS Unicast Routing Command Reference, and tells you where they are documented.

Table 1   New and Changed Features

Feature	Description	Changed in Release	Where Documented
Configuring DSCP for Locally Originated Packets	Added the **ip dscp-lop** command.	6.2(12)	I Commands
Configuring IPv6	Added the **no-autoconfig** keyword to the **ipv6 nd prefix** command	6.2(8)	I Commands
Configuring Advanced BGP	Added the following commands: • **ip forward** • **ipv6 nd mac-extract** • **timers prefix-peer-wait** Added the **unchanged** keyword to the **set ip nexthop** command. Updated the usage guidelines for the **address-family (BGP)** command.	6.2(8)	A Commands B Commands I Commands S Commands
BGP PIC for Unicast	Added the **ip adjacency notify** command. Added the **install backup** keywords to the **additional paths** command.	6.2(8)	A Commands I Commands
OSPFv2	Added the **max-metric route lsa** (OPSFv2) command.	6.2(8)	M Commands
OSPFv3	Added the **max-metric route lsa** (OPSFv3) command.	6.2(8)	M Commands
DN bit ignore	Added the **down-bit-ignore** command.	6.2(2)	D Commands

Table 1   *New and Changed Features (continued)*

Feature	Description	Changed in Release	Where Documented
Advanced BGP	Added the following commands: • **disable-peer-as-check** • **inject-map** • **redistribute static route-map allow** • **route-map allow permit** • **set ip address prefix-list** • **unsuppress-map**	6.2(2)	D Commands I Commands S Commands R Commands T Commands
BGP	Added the **as-format asdot** command.	6.2(2)	A Commands
Configuring Advanced OSPFv2	Added the **discard-route** command.		D Commands
Configuring Basic OSPFv2	Added the following commands: • **name-lookup** • **passive-interface default**	6.2(2)	N Commands P Commands
Configuring EIGRP	Added the **match source-protocol** command.	6.2(2)	M Commands
Configuring IPv6	Added the following commands: • **ipv6 nd cache limit** • **ipv6 nd dad attempts** • **ipv6 nd fast-path**	6.2(2)	I Commands
Configuring Static Routing	Added the **show ip static-route track-table** command.	6.2(2)	Show Commands
IP ARP	Added the **ip arp cache limit** command.	6.2(2)	I Commands
Glean Optimization	Added the **ip arp fast-path** command.	6.2(2)	I Commands
HRSP	Added the following commands: • **follow** • **hsrp version 2** • **hsrp ipv6** • **hsrp mac-refresh** • **name** • **passive-interface default** • **show hsrp mgo**	6.2(2)	F Commands H Commands N Commands P Commands Show Commands
Configuring ISIS	Added the following commands: • **default isis passive-interface** • **isis passive-interface** • **no isis passive-interface**	6.2(2)	D Commands I Commands N Commands

Table 1   *New and Changed Features (continued)*

Feature	Description	Changed in Release	Where Documented
Configuring Policy-Based Routing	Added the following commands: • **ipv4 local policy route-map** • **ipv6 local policy route-map** • **show local policy**	6.2(2)	I Commands Show Commands
OSPFv2 and OSPFv3	Added the **name-lookup** command.	6.2(2)	N Commands
Unicast FIB	Added the following commands: • **event fib resource tcam usage** • **event fib route** • **show event manager events action-log policy** • **show event manager policy-state**	6.2(2)	E Commands Show Commands
VRRPv3	Added the following commands: • **feature vrrpv3** • **vrrpv3 address-family** • **timers advertise** • **vrrs leader** • **show fhrp** • **vfhrp delay** • **vrrs pathway** • **show vrrs client** • **show vrrs pathway** • **show vrrs server** • **show vrrs tag**	6.2(2)	F Commands Show Commands T Commands V Commands
BGP	Added the **set path-selection all advertise** command.	6.1(1)	S Commands
	Added the **capability additional-paths** command.	6.1(1)	C Commands
	Added the **additional-paths** command.	6.1(1)	A Commands
	Added **weight** command.	6.1(1)	W Commands
	Changed the **show bgp ipv4 unicast** command output.	6.1(1)	Show Commands
OSPF and OSPFv3	Added the **set-distance** command.	6.1(1)	S Commands
IS-IS	Added the **IPv6** keyword to the syntax description of **address-family (RIP)** command.	6.1(1)	A Commands

Table 1   *New and Changed Features (continued)*

Feature	Description	Changed in Release	Where Documented
OSPF and OSPFv3	Added the **inter-area** and **intra-area** keywords to the syntax description of **match route-type** command.	6.1(1)	T Commands
	Added the **metric direct 0** command.	6.1(1)	M Commands
OSPF	Added the **table-map** (OSPF) command.	6.1(1)	T Commands
IS-IS	Added the **adjacency-check** command.	6.1(1)	A Commands
EIGRP Wide Metrics	Added the **metric version** command.	5.2(1)	M Commands
	Added the **metric rib-scale** command.	5.2(1)	M Commands
Layer 3 VPN Support	Added the **show bgp vpnv4 unicast** command.	5.2(1)	S Commands
	Added the **show bgp vpnv6 unicast** command.	5.2(1)	S Commands
Local AS (BGP) Support	Added the **local-as** (**bgp**) command.	5.2(1)	L Commands
Passive Interface Support	Added the **passive-interface** command	5.2(1)	P Commands
Peer Gateway Exclude VLAN Support	Added the **peer-gateway exclude-vlan** command.	5.2(1)	P Commands
Route Policy Manager	Added the **set interface** command.	5.2(1)	S Commands
	Added the **set extcommunity cost** command.	5.2(1)	
	Added the **set extcommunity rt** command.	5.2(1)	
	Added the **set nssa-only** command.	5.2(1)	
	Added the **set extcommunity cost** command.	5.2(1)	
	Added the **hardware ip glean throttle maximum** command.	5.1(1)	
Glean Throttle	Added the **hardware ip glean throttle** command.	5.1(1)	H Commands
	Added the **hardware ip glean throttle timeout** command.	5.1(1)	
	Added the **hardware ip glean throttle syslog** command.	5.1(1)	
	Added the **show ip arp summary** command.	5.1(1)	Show Commands
	Added the **show ip adjacency summary** command.	5.1(1)	
	Added the **show ip adjacency throttle statistics** command.	5.1(1)	
L3 Routing	Added the **hardware proxy layer-3 forwarding** command.	5.1(1)	H Commands
	Added the **show hardware proxy layer-3 detail** command.	5.1(1)	Show Commands
	Added the **show hardware proxy layer-3 counters** command.	5.1(1)	

Table 1   *New and Changed Features (continued)*

Feature	Description	Changed in Release	Where Documented
	Added the **clear hardware proxy layer-3 counters** command.	5.1(1)	C Commands
WCCP Enhancement	Added the **hia-timeout** keyword to the syntax description.	5.1(1)	H Commands
	Added the **show running-config wccp** command.	5.1(1)	Show Commands
	Added the **show version internal build-identifier** command.	5.1(1)	
GLBP	Added the **GLBP** extended timer commands.	5.0(2)	G Commands
Route Policy Manager	Added the **match mac-list, mac-list,** and **match vlan** commands.	5.0(2)	M Commands
FIB	Deprecated the **hardware forwarding dynamic-allocation** command.	5.0	H Commands
	Deprecated the **show hardware forwarding dynamic-allocation status** command.	5.0	Show Commands
BGP	Added **advertise-map**, **nexthop trigger-delay**, **nexthop route-map**, **low-memory exempt** and **extended community** commands.	4.2(1)	A Commands L Commands N Commands Show Commands
EIGRP, IS-IS	Added **redistribute maximum-prefix** commands.	4.2(1)	L Commands
OSPF	Added **ip router ospf multi-area**, **ipv6 router ospfv3 multi-area**, and **redistribute maximum-prefix** commands.	4.2(1)	I Commands L Commands
Route Policy Manager	Added **ip extcommunity**, **match extcommunity**, **set extcommunity**, and **set excomm-delete** commands.	4.2(1)	I Commands M Commands S Commands
WCCP	Added WCCPv2 commands.	4.2(1)	C Commands I Commands Show Commands
HSRP	Added threshold support for **priority** (HSRP) command.	4.1(3)	P Commands
IP	Changed **platform ip verify** commands to **hardware ip verify** commands.	4.1(3)	H Commands P Commands
EIGRP	Added IPv6 commands.	4.1(2)	A Commands C Commands I Commands Show Commands

Table 1   *New and Changed Features (continued)*

Feature	Description	Changed in Release	Where Documented
Object Tracking	Added **ipv6** keyword to **track** and **show track** commands.	4.1(2)	T Commands Show Commands
EIGRP	Removed the **eigrp** keyword from **graceful-restart**, **log-adjacency-changes**, and **log-neighbor-warnings** commands. Replaced the **policy** keyword with **route-map** keyword in the **show ip eigrp policy statistics** and **clear ip eigrp policy statistics redistribute** commands. Removed the **nsf** command. Added **authentication key-chain** (EIGRP and **authentication mode** (EIGRP) to support authentication in a VRF. Added the **clear ip eigrp accounting** and **clear ip eigrp traffic** commands.	4.0(3)	A Commands C Commands E Commands N Commands Show Commands
ARP	Added the **ip arp gratuitous** command.	4.0(3)	I Commands
BGP local AS number	Added **local-as** command.	4.0(3)	L Commands
EIGRP maximum paths	Modified **maximum-paths** (EIGRP) command default to 8.	4.0(2)	M Commands