



New and Changed Information

This chapter provides release-specific information for each new and changed feature in the *Cisco Nexus 3000 Series NX-OS Multicast Routing Command Reference*. The latest version of this document is available at the following Cisco website:

http://www.cisco.com/en/US/products/ps11541/tsd_products_support_series_home.html

To check for additional information about this Cisco NX-OS Release, see the *Cisco Nexus 3000 Series Switch Release Notes* available at the following Cisco website:

http://www.cisco.com/en/US/products/ps11541/prod_release_notes_list.html

Table 1 summarizes the new and changed features for Cisco NX-OS Release 5.x and tells you where they are documented.

Table 1 *New and Changed Information for Release 5.x*

Feature	Description	Changed in Release	Where Documented
Show ip pim rp	This command throws “process is not running.”	7.0(3)I2(1)	show ip pim rp
Optimized multicast flood	The ip igmp snooping optimised-multicast-flood command has been removed.	7.0(3)I2(1)	ip igmp snooping optimise-multicast-flood
Hardware profile multicast soak-interval	This feature was removed.	7.0(3)I2(1)	hardware profile multicast soak-interval
Ip igmp snooping	This feature has two new sub-options: <ul style="list-style-type: none"> • group-timeout - Configures the group membership timeout in all VLANs/BDs. • max-gq-miss - Configures the general query miss count. 	7.0(3)I2(1)	ip igmp snooping (VLAN)
Configurable soak interval. for programming multicast routes to the hardware	This feature was introduced to configure a soak interval for programming multicast routes to the hardware	6.0(2)U3(2)	hardware profile multicast soak-interval
IPv4 Protocol Independent Multicast (PIM) (*, G) state only	This feature was introduced to create the IPv4 PIM (*, G) state only.	5.0(3)U4(1)	ip pim spt-threshold infinity

Table 1 *New and Changed Information for Release 5.x (continued)*

Feature	Description	Changed in Release	Where Documented
IP PIM Register Source	This feature was introduced to register the IP source address of an interface address other than the outgoing interface address of the designated router (DR) leading toward the rendezvous point (RP).	5.0(3)U4(1)	ip pim register-source
IP Multicast Multipath	This feature was introduced to disable automatic selection of the reverse path forwarding (RPF) interface for multicast when multiple equal cost multipath (ECMP) paths are available.	5.0(3)U4(1)	ip multicast multipath
Syslog Thresholds for System Resources	This feature was introduced.	5.0(3)U3(2)	hardware profile multicast syslog-threshold ip igmp snooping syslog-threshold ip igmp syslog-threshold
MSDP Source-Active (SA) registration for remote sources	This feature was introduced to register multicast forwarding (MFWD) static routes.	5.0(3)U2(1)	clear ip mfwd event-history ip mfwd mstatic show ip mroute
Maximum Response Time (MRT) for IGMP global leave messages	The ip igmp global-leave-ignore-gss-mrt command was added.	5.0(3)U1(2)	ip igmp global-leave-ignore-gss-mrt

Table 1 *New and Changed Information for Release 5.x (continued)*

Feature	Description	Changed in Release	Where Documented
Prevent duplicate packets during a rendezvous point tree (RPT) to the shortest path tree (SPT) switchover	The hardware profile multicast prefer-source-tree command was added.	5.0(3)U1(2)	hardware profile multicast prefer-source-tree
Multicast Routing	<p>This feature was introduced.</p> <p>The following Layer 3 multicast routing features are supported in this release:</p> <ul style="list-style-type: none"> • Internet Group Management Protocol (IGMP) • Internet Group Management Protocol (IGMP) snooping • Protocol Independent Multicast (PIM) <ul style="list-style-type: none"> – PIM Sparse Mode (PIM-SM) – PIM Source Specific Multicast (PIM-SSM) – PIM static Rendezvous Point (RP) – PIM Auto-RP – PIM bootstrap router (BSR) – PIM Anycast-RP • Multicast Source Discovery Protocol (MSDP) 	5.0(3)U1(1)	Multicast Routing Commands Multicast Routing Show Commands

