



New and Changed Information

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This table summarizes the new and changed features for the *Cisco Nexus 9000 Series NX-OS Unicast Routing Configuration Guide, Release 10.3(x)*.

Table 1: New and Changed Features

Feature	Description	Changed in Release	Where Documented
Policy Based Routing: Next hop over tunnel	Added PBR support for redirecting to next-hop over tunnel on Cisco Nexus 9000 Series platform switches.	10.3(3)F	Guidelines and Limitations for Policy-Based Routing
PBR Default NH -Sequential Preference	Added support for redirecting the packets that match the default route to specified Next-Hop in the policy.	10.3(3)F	Redirecting Default Route Match to Next-Hop
BGP Autonomous node IP assignment for container networking	The IPv6 Compute Node IP Auto-Configuration support is provided to assign and distribute the node IP addresses to multi-homed compute nodes and establish reachability to K8s cluster using the assigned node IP.	10.3(3)F	IPv6 Compute Node IP Auto-Configuration Guidelines and Limitations for IPv6 Verifying the IPv6 Configuration Configuring Route Redistribution
ECMP Hash key not set for ECMP routes	Added hardware keyword to enable underlay and overlay load balancing between two different ECMP VXLAN routes.	10.3(3)F	Configuring Load Sharing in the Unicast FIB

Feature	Description	Changed in Release	Where Documented
Expanded support for Type-6 password encryption - BGP	Added Type-6 encryption support for BGP user password.	10.3(3)F	Guidelines and Limitations for Advanced BGP Configuring BGP Authentication
Expanded support for Type-6 password encryption - OSPF	Added Type-6 keychain encryption support for OSPFv2 user password.	10.3(3)F	Guidelines and Limitations for OSPFv2
PBR- Default IPv4/IPv6 nexthop VRF Selection Support	Added support for default IPv4/IPv6 nexthop VRF selection for PBR on Cisco Nexus 9000 Series platform switches.	10.3(2)F	Set Criteria for Policy-Based Routing Route Map Support Matrix for Policy-Based Routing Guidelines and Limitations for Policy-Based Routing Configuring a Route Policy Configuration Examples for Policy-Based Routing
UCMP Load Balancing	This feature provides support for balancing the traffic load and for administering control over the routing behavior.	10.3(1)F	Unequal Cost Multipath (UCMP) over BGP Enabling UCMP over BGP Guidelines and Limitations for UCMP over BGP
BGP Interface-Range Peering	This feature allows BGP to provision a group of interfaces by specifying the interface range.	10.3(1)F	Configuring BGP Interface Peering via IPv6 Link-Local for IPv4 and IPv6 Address Families
BGP Interface Peering with Multiple Instances	This feature allows BGP to enable the maximum-peers command under the neighbor interface mode to control the number of sessions that are brought up from an interface.	10.3(1)F	Configuring BGP Interface Peering via IPv6 Link-Local for IPv4 and IPv6 Address Families
Multi VRF support	Multi VRF is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for VRFs
ECMP, 64-way	ECMP, 64-way is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	Supported Platforms

Feature	Description	Changed in Release	Where Documented
Route leak between VRFs	Route leak between VRFs is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for VRF Route Leaking
OSPF	OSPF is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for OSPFv2 Guidelines and Limitations for OSPFv3
EIGRP	EIGRP is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for EIGRP
BGP	BGP is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for Basic BGP Guidelines and Limitations for Advanced BGP
IPv4 and IPv6 Static Routing	Static routing is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for IPv4 Guidelines and Limitations for IPv6
IPv4 and IPv6 Dynamic Routing	Dynamic routing is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for IPv4 Guidelines and Limitations for IPv6
VXLAN EVPN is supported only as transit	VXLAN EVPN is supported only as transit on Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for Advanced BGP
Unicast consistency checker	Added support for Unicast consistency checker on Cisco Nexus 9808 platform switches.	10.3(1)F	Guidelines and Limitations for the Unicast RIB
BGP Large Community	This feature adds support to define large communities that are 12 bytes in size and provides the flexibility in classification of BGP routes.	10.3(1)F	Configuring NX-OS BGP Large Communities

