



## 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	<a href="#">Guidelines and Limitations for Policy-Based Routing</a>
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	<a href="#">Redirecting Default Route Match to Next-Hop</a>
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	<a href="#">IPv6 Compute Node IP Auto-Configuration</a> <a href="#">Guidelines and Limitations for IPv6</a> <a href="#">Verifying the IPv6 Configuration</a> <a href="#">Configuring Route Redistribution</a>
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	<a href="#">Configuring Load Sharing in the Unicast FIB</a>

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	<a href="#">Guidelines and Limitations for Advanced BGP</a> <a href="#">Configuring BGP Authentication</a>
Expanded support for Type-6 password encryption - OSPF	Added Type-6 keychain encryption support for OSPFv2 user password.	10.3(3)F	<a href="#">Guidelines and Limitations for OSPFv2</a>
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	<a href="#">Set Criteria for Policy-Based Routing</a> <a href="#">Route Map Support Matrix for Policy-Based Routing</a> <a href="#">Guidelines and Limitations for Policy-Based Routing</a> <a href="#">Configuring a Route Policy</a> <a href="#">Configuration Examples for Policy-Based Routing</a>
UCMP Load Balancing	This feature provides support for balancing the traffic load and for administering control over the routing behavior.	10.3(1)F	<a href="#">Unequal Cost Multipath (UCMP) over BGP</a> <a href="#">Enabling UCMP over BGP</a> <a href="#">Guidelines and Limitations for UCMP over BGP</a>
BGP Interface-Range Peering	This feature allows BGP to provision a group of interfaces by specifying the interface range.	10.3(1)F	<a href="#">Configuring BGP Interface Peering via IPv6 Link-Local for IPv4 and IPv6 Address Families</a>
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	<a href="#">Configuring BGP Interface Peering via IPv6 Link-Local for IPv4 and IPv6 Address Families</a>
Multi VRF support	Multi VRF is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	<a href="#">Guidelines and Limitations for VRFs</a>
ECMP, 64-way	ECMP, 64-way is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	<a href="#">Supported Platforms</a>

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	<a href="#">Guidelines and Limitations for VRF Route Leaking</a>
OSPF	OSPF is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	<a href="#">Guidelines and Limitations for OSPFv2</a> <a href="#">Guidelines and Limitations for OSPFv3</a>
EIGRP	EIGRP is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	<a href="#">Guidelines and Limitations for EIGRP</a>
BGP	BGP is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	<a href="#">Guidelines and Limitations for Basic BGP</a> <a href="#">Guidelines and Limitations for Advanced BGP</a>
IPv4 and IPv6 Static Routing	Static routing is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	<a href="#">Guidelines and Limitations for IPv4</a> <a href="#">Guidelines and Limitations for IPv6</a>
IPv4 and IPv6 Dynamic Routing	Dynamic routing is supported on the Cisco Nexus 9808 platform switches.	10.3(1)F	<a href="#">Guidelines and Limitations for IPv4</a> <a href="#">Guidelines and Limitations for IPv6</a>
VXLAN EVPN is supported only as transit	VXLAN EVPN is supported only as transit on Cisco Nexus 9808 platform switches.	10.3(1)F	<a href="#">Guidelines and Limitations for Advanced BGP</a>
Unicast consistency checker	Added support for Unicast consistency checker on Cisco Nexus 9808 platform switches.	10.3(1)F	<a href="#">Guidelines and Limitations for the Unicast RIB</a>
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	<a href="#">Configuring NX-OS BGP Large Communities</a>

