

New and Changed Information

- New and Changed Information, on page 1

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Table 1: New and Changed Features

Feature	Description	Changed in Release	Where Documented
VXLAN EVPN Resilient ECMP	Enables resilient ECMP hashing at the VRF level for VXLAN EVPN overlays. Supported on Cisco Nexus FX2, FX3, GX, GX2, and HX platform switches.	10.6(3)F	VXLAN EVPN Resilient ECMP Groups Guidelines and Limitations for VXLAN EVPN Resilient ECMP Configure VXLAN EVPN Resilient ECMP
SMET route for multi-site with TRM	Beginning with Cisco NX-OS Release 10.6(3)F, SMET route for multisite with TRM is supported on all Nexus 9000 switches.	10.6(3)F	Feature support and limitations for multicast Layer 2 EVPN Type-6 routes
Port VLAN Mapping (PV mapping)	Beginning with Cisco NX-OS Release 10.6(3)F, port VLAN mapping is supported on Cisco Nexus 9300-SE1 switches.	10.6(3)F	Guidelines and Limitations for Port VLAN Mapping
ND Suppression	ND suppression feature is supported on Cisco N9324C-SE1U, N9348Y2C6D-SE1U Smart switches and Cisco Nexus 9300-SE1 switches.	10.6(3)F	Best practices for ND suppression

Feature	Description	Changed in Release	Where Documented
Proxy ARP enhancement	Added a new **proxy** option to enable enhanced local proxy ARP on EVPN enabled SVIs.	10.6(3)F	Configure SVI for host-facing VXLAN routing
MultiHop BFD support for VXLAN with IPv6 underlay	Beginning with Cisco NX-OS Release 10.6(3)F, you can configure MultiHop BFD sessions for VXLAN overlays operating over an IPv6 underlay.	10.6(3)F	MultiHop BFD for VXLAN with IPv6 Underlay
VXLAN GPO: SGACL support for ESI multi-homing	Added support for GPO and SGACL for ESI multi-homing	10.6(3)F	Guidelines and limitations for ESI multi-homing
Proportional Multipath for VNF support for VXLAN overlays with IPv6 underlay	Beginning with Cisco NX-OS Release 10.6(3)F, you can configure Proportional Multipath for VNF with VXLAN overlays operating over an IPv6 underlay.	10.6(3)F	Guidelines and Limitations for Proportional Multipath for VNF
Multisite support for Private VLANs over VXLAN	Starting with Cisco NX-OS Release 10.6(3)F, multisite support is added for Private VLANs over VXLAN on Cisco Nexus platform switches.	10.6(3)F	Guidelines and Limitations for Private VLANs Over VXLAN
VXLAN GPO: Intra Group Isolation and segmenting within the same host	Added support for intra-ESG isolation	10.6(3)F	Guidelines and limitations Intra-ESG isolation
vPC BGW with IPv6 underlay	Prior to Cisco NX-OS Release 10.6(3)F, vPC BGW supported only IPv4 underlay. Starting with Cisco NX-OS Release 10.6(3)F, vPC BGW also supports IPv6 underlay.	10.6(3)F	VXLAN EVPN multi-site deployments with IPv6 underlays Best practice for VXLAN EVPN Multi-Site with IPv6 Underlay Configure multi-site with vPC support on IPv6 underlay Guidelines for configuring TRM Multi-Site with IPv6 underlay

Feature	Description	Changed in Release	Where Documented
TRM multicast routes bridging in the same subnet.	Beginning with Cisco NX-OS Release 10.6(2)F, Tenant Routed Multicast (TRM) routes supports bridging the traffic with source and receiver in the same VLAN on Cisco Nexus 9000 switches.	10.6(2)F	Configure TRM for same subnet bridging
VXLAN support on Cisco N9300 Series switches	Added VXLAN support on Cisco N9324C-SE1U and N9348Y2C6D-SE1U Smart switches.	10.6(2)F	Guidelines and Limitations for VXLAN Supported features and configuration limits for VXLAN BGP EVPN Supported features for VXLAN EVPN with downstream VNI Supported platforms and configuration guidelines for VXLAN EVPN Multi-Site Supported platforms and releases for VXLAN NGOAM DHCP relay in VXLAN BGP EVPN supported release and platform Supported platforms and limitations for vPC fabric peering
TRMv4 support on Cisco N9300 Series switches	Added TRMv4 support on Cisco N9324C-SE1U and N9348Y2C6D-SE1U Smart switches for • Standalone, vPC, vPC fabric peering inner and border leaf • Multi-site Anycast BGW and vPC BGW.	10.6(2)F	Features and limitations of Tenant Routed Multicast Supported features and limitations of Layer 3 TRM

Feature	Description	Changed in Release	Where Documented
VXLAN BGP EVPN Multi-Site vPC BGW on Cisco N9300 Smart switches	Added VXLAN BGP EVPN Multi-Site vPC BGW support on Cisco N9324C-SE1U and N9348Y2C6D-SE1U Smart switches	10.6(2)F	Guidelines and Limitations for VXLAN Supported platforms and configuration guidelines for VXLAN EVPN Multi-Site Features and limitations of Tenant Routed Multicast Supported features and limitations of Layer 3 TRM
SR-MPLS to VXLAN handoff support on Cisco N9300 Smart switches	Added support for seamless handoff between Segment Routing MPLS (SR-MPLS) and VXLAN overlays on Cisco N9324C-SE1U and N9348Y2C6D-SE1U Smart switches. This enables interoperable Layer 3 extension between VXLAN EVPN-based data center domains and SR-MPLS-based WAN/core domains.	10.6(2)F	SR MPLS to VXLAN Handoff feature
VXLAN support on Cisco N9300-SE1 Series switches	Added VXLAN support on Cisco Nexus 9396Y12C-SE1 and 9396T12C-SE1 switches.	10.6(2)F	Guidelines and Limitations for VXLAN Supported features and configuration limits for VXLAN BGP EVPN Supported platforms and configuration guidelines for VXLAN EVPN Multi-Site Supported features for VXLAN EVPN with downstream VNI Supported platforms and releases for VXLAN NGOAM DHCP relay in VXLAN BGP EVPN supported release and platform Supported platforms and limitations for vPC fabric peering

Feature	Description	Changed in Release	Where Documented
TRMv4 support on Cisco Nexus 9336C-SE1 Series switches	Added TRMv4 support on Cisco Nexus 9396Y12C-SE1 and 9396T12C-SE1 switches for • Standalone, vPC, vPC fabric peering inner and border leaf • Multi-site Anycast BGW and vPC BGW.	10.6(2)F	Features and limitations of Tenant Routed Multicast Supported features and limitations of Layer 3 TRM
VXLAN BGP EVPN Multi-Site vPC BGW on Cisco Nexus 9336C-SE1 Series switches	Added VXLAN BGP EVPN Multi-Site vPC BGW support on Cisco Nexus 9336C-SE1, 9396Y12C-SE1, and 9396T12C-SE1 switches	10.6(2)F	Guidelines and Limitations for VXLAN Supported platforms and configuration guidelines for VXLAN EVPN Multi-Site Features and limitations of Tenant Routed Multicast Supported features and limitations of Layer 3 TRM
SR-MPLS to VXLAN handoff support on Cisco Nexus 9336C-SE1 Series switches	Added support for seamless handoff between Segment Routing MPLS (SR-MPLS) and VXLAN overlays on Cisco Nexus 9396Y12C-SE1 and 9396T12C-SE1 switches. This enables interoperable Layer 3 extension between VXLAN EVPN-based data center domains and SR-MPLS-based WAN/core domains.	10.6(2)F	SR MPLS to VXLAN Handoff feature
Layer 3 Port channel support for VXLAN on Cisco Nexus 9800 Series switches	Added Layer 3 Port channel support for VXLAN uplinks on Cisco Nexus 9800 Series switches.	10.6(2)F	Guidelines and Limitations for VXLAN
DCI multicast support with Anycast BGW on Cisco Nexus 9800 Series switches	Added DCI multicast support with Anycast BGW on Cisco Nexus 9800 Series switches.	10.6(2)F	Guidelines and Limitations for VXLAN
VXLAN vPC Fabric peering support on Cisco Nexus 9364E-SG2 Series switches	Added VXLAN vPC Fabric peering support on Cisco Nexus 9364E-SG2 Series switches.	10.6(2)F	Supported platforms and limitations for vPC fabric peering

Feature	Description	Changed in Release	Where Documented
Dynamic Host Tracking for VNF Next-Hops	Added Dynamic Host Tracking for EVPN VXLAN on Cisco Nexus 9300 FX, FX3, GX, and GX2 platform switches.	10.6(2)F	Dynamic Host Tracking for VNF Next-Hops How Dynamic Host Tracking Works Guidelines and Limitations for Dynamic Host Tracking Configure Dynamic Host Tracking Verify Dynamic Host Tracking
eBGP Address Family Multicast support in the underlay with Tenant Routed Multicast (TRM)	Added support for eMuBGP AF Multicast support in the underlay with TRM.	10.6(2)F	Underlay Considerations
Layer 2 MAC based Segmentation without SVI	Added support for L2MAC Segmentation without SVI, L2 to L3 migration support, and allow SVI configuration.	10.6(2)F	Guidelines and limitations
EVPN ESI Multi-Homing	Added the EVPN ESI multi-homing feature, a standardized solution that uses BGP-EVPN-based communication between ESI peers. The feature provides redundancy similar to vPC and vPC fabric peering, and it supports 2-way, 3-way, and 4-way multi-homing on PIP or VIP modes.	10.6(1)F	Supported topologies for multicast Layer 2 EVPN Type-6 routes EVPN Ethernet Segment Identifier Multi-Homing

Feature	Description	Changed in Release	Where Documented
VXLAN support on Cisco Nexus 9336C-SE1 switches	Added VXLAN support on Cisco Nexus 9336C-SE1 switches.	10.6(1)F	cisco nexus 9000 series nx-os vxlan configuration guide 106x chapter4.pdf#nameddest=unique_30 unique_30_Connect_42_LF Supported features and configuration limits for VXLAN BGP EVPN Guidelines and limitations for VXLAN Multi-Site support on Cisco Nexus 9336C-SE1 switches Supported features for VXLAN EVPN with downstream VNI Supported platforms and releases for VXLAN NGOAM DHCP relay in VXLAN BGP EVPN supported release and platform Supported platforms and limitations for vPC fabric peering
TRMv4 support on Cisco Nexus 9336C-SE1 switches	Added TRMv4 support on Cisco Nexus 9336C-SE1 switches for • Standalone, vPC, vPC fabric peering inner and border leaf • Multi-site Anycast BGW.	10.6(1)F	Features and limitations of Tenant Routed Multicast Supported features and limitations of Layer 3 TRM
L2VLAN segmentation with SVI and without SVI	Added support for MAC based L2 VLAN micro-segmentation with and without SVI.	10.6(1)F	Guidelines and limitations Creating security group using MAC
Micro-segmentation Match Criteria: Port+VLAN	Added support for port along with VLAN based micro-segmentation.	10.6(1)F	Guidelines and limitations Create a security group
PIM graceful-spt feature is now default	Added support to make PIM graceful-spt feature a default feature.	10.6(1)F	Features and limitations of Tenant Routed Multicast
Match Criteria: Port+VLAN	Added support for port along with VLAN based micro-segmentation.	10.6(1)F	Guidelines and limitations Create a security group

Feature	Description	Changed in Release	Where Documented
VXLAN Anycast BGW (L2VNI) and RFC5549	Added L2VNI and RFC5549 underlay support for VXLAN Anycast BGW on Cisco Nexus 9364E-SG2-Q and 9364E-SG2-O switches.	10.6(1)F	Guidelines and Limitations for VXLAN Best practice for deploying VXLAN BGP EVPN with RFC 5549 underlay Best practice for VXLAN EVPN Multi-Site with RFC 5549 underlay
SMET route Interoperability support	Added a new encoding option, **format rfc6625** , to the **advertise evpn multicast** command for EVPN route Type 6, 7 and 8. This addresses interoperability issues between Cisco NX-OS and devices from other vendors that result from different multicast route encoding methods.	10.6(1)F	Feature support and limitations for multicast Layer 2 EVPN Type-6 routes Configure IPv4 IGMP Snooping