



New and Changed Information

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Table 1: New and Changed Features

Feature	Description	Changed in Release	Where Documented
VXLAN DSVNI Optimization for L2VNI-L3VNI Mapping	Support for DSVNI has been enhanced with the introduction of the new associate-vrf vrf-name command, which explicitly maps an L2 VLAN to a VRF, eliminating the need for SVI configuration on the BGW.	10.5(3)F	Guidelines and Limitations for VXLAN EVPN with Downstream VNI Associating VLAN to VRF - L2 to L3 Mapping
Match Criteria: MAC+VLAN	Added support for MAC along with VLAN based micro-segmentation.	10.5(3)F	Guidelines and Limitations Creating a Security Group
Optimized Layer 2 overlay Multicast	Added Multicast Layer 2 EVPN Route Type 6 support on Cisco Nexus 9300-FX/FX2/FX3/GX/GX2/H2R/H1 Series switches, 9500 Series switches with 9700-FX/GX/FX3 line cards.	10.5(3)F	Optimized Layer 2 Overlay Multicast

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DSVNI with L2 multipathing	Added DSVNI support for MAC multipathing on Cisco Nexus 9300-FX/FX2/FX3/GX/GX2/H2R/H1 Series switches, 9500 Series switches with 9700-EX/FX/GX/FX3 line cards.	10.5(3)F	Verifying VXLAN with IPv6 in the Underlay (VXLANv6) Guidelines and Limitations for VXLAN EVPN with Downstream VNI Guidelines and Limitations for VXLAN EVPN TE - Multi-Site Egress Load-Balancing Verifying the VXLAN EVPN with Downstream VNI Configuration Example of EVPN Multi-Homing Using ESI Guidelines and Limitations for VXLAN EVPN TE - Multi-Site Egress Load-Balancing Dynamic weight (wueCMP) in Overlay and Underlay, and with AIGP in Underlay Guidelines and Limitations for Secure VXLAN EVPN Multi-Site Using CloudSec Verifying the Secure VXLAN EVPN Multi-Site Using CloudSec
VXLAN support on Cisco Nexus 9364E-SG2 Series switches	VXLAN features are now supported on Cisco Nexus 9364E-SG2-O and 9364E-SG2-Q switches.	10.5(3)F	Guidelines and Limitations for VXLAN
VXLAN DSVNI support for anycast BGW on Cisco Nexus 9800 Series switches	Added downstream VNI feature with VXLAN EVPN IPv4 underlay on Cisco Nexus 9800 series switches acting as anycast BGW.	10.5(3)F	Guidelines and Limitations for VXLAN EVPN with Downstream VNI
Microsegmentation using VXLAN Group Policy Option: Enhancements	Added support for SR-MPLS handoff and ISSU.	10.5(3)F	Guidelines and Limitations Creating a Security Group
VXLAN QoS support	VXLAN QoS now supported on Cisco Nexus 9364E-SG2-Q and 9364E-SG2-O switches.	10.5(3)F	Guidelines and Limitations for VXLAN QoS

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RDMA over Converged Ethernet version 2 (RoCEv2) over VXLAN support	RoCEv2 over VXLAN now supported on Cisco Nexus 9364E-SG2-Q and 9364E-SG2-O switches.	10.5(3)F	Guidelines and Limitations for VXLAN QoS
EVPN over RFC5549 Multisite Use Case Support	Added support for IPv4 VTEPs using EVPN IPv6 sessions over RFC 5549 underlay on a single-site environment.	10.5(2)F	Functionalities of VXLAN BGP EVPN with RFC 5549 Underlay VXLAN BGP EVPN with RFC 5549 Underlay on Single-Site Supported and Unsupported Features of VXLAN BGP EVPN with RFC 5549 Underlay Examples of VXLAN BGP EVPN with RFC 5549 Underlay
Enhancement to support vPC for Proportional multi-path VNF	Next-hop filtering can be configured to exclude next-hop VNF addresses that are temporarily silent, thus preventing routing issues and ensure that traffic is not sent to unresponsive or non-existent destinations.	10.5(2)F	About proportional multipath for VNF Guidelines and limitations for proportional multipath for VNF Configure next-hop filtering Verify next-hop filtering
DSVNI with IPv6 Underlay support	Added IPv6 underlay support for the VXLAN EVPN with downstream VNI feature.	10.5(2)F	Guidelines and Limitations for VXLAN EVPN with Downstream VNI
VXLAN underlay – Tunnel Multipath Table on Cloudscale	Added support to enable Dynamic Load Balancing (DLB) on the underlay for VXLAN tunnels, allowing for ECMP routing on Layer 3 interfaces.	10.5(1)F	Guidelines and Limitations for VXLAN
Microsegmentation using VXLAN Group Policy Option: Enhancements	Added support for service chaining, additional platform support and match criteria support.	10.5(1)F	Guidelines and Limitations Creating a Security Group Verifying GPO
Eliminate ORIB completely and replace functionality with L2RIB	Added support for start-up route.	10.5(1)F	Example Show Commands

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Allow use of reserved VLAN as ingress in the VLAN mapping	Added support to increase the ingress VLAN range from VLANs 1-3967 to VLANs 1-4094 for VLAN mapping.	10.5(1)F	Configuring Port VLAN Mapping on a Trunk Port
IPv6 Underlay (IR) with DCI-IR (IPv6)	Added support for Ingress Replication (IPv6) in the data center fabric for VXLAN EVPN, VXLAN EVPN Multi-Site, and TRM Multi-Site features.	10.5(1)F	About Configuring VXLAN EVPN and TRM with IPv6 Underlay Guidelines and Limitations for VXLAN EVPN and TRM with IPv6 in the Multicast Underlay Configuring VXLAN EVPN with IPv6 Ingress Replication About VXLAN EVPN Multi-Site with IPv6 Underlay Guidelines and Limitations for VXLAN EVPN Multi-Site with IPv6 Underlay Information About Configuring TRM Multi-Site with IPv6 Underlay Guidelines and Limitations for TRM Multi-Site with IPv6 Underlay
EVPN over RFC5549 - VXLAN Multisite	Added support for VXLAN EVPN with RFC 5549 underlay for multi-site environment on Cisco Nexus 9000 Series switches.	10.5(1)F	VXLAN EVPN Multi-Site with RFC 5549 Underlay
Advertise Remote prefixes with PIP as Next Hop instead of VIP	Added support to advertise remote prefixes with PIP as Next Hop instead of VIP.	10.5(1)F	Advertise Using PIP Towards Fabric