



New and Changed Information

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Table 1: New and Changed Features

Feature	Description	Changed in Release	Where Documented
VXLAN EVPN Traffic Engineering	Added support for VXLAN EVPN Traffic Engineering - Multi-Site Egress Load-Balancing feature to improve traffic steering and better utilize inter-DC links across multiple sites.	10.4(3)F	Configure VXLAN EVPN Traffic Engineering - Multi-Site Egress Load Balancing
GPO	Added support for Group Policy Option on Cisco Nexus N9K switches.	10.4(3)F	Micro-segmentation for VXLAN fabrics using group policy option (GPO)
VXLAN QoS	Added support for VXLAN QoS policies when using a BGW spine on the Cisco Nexus 9808/9804 switches with X9836DM-A and X98900CD-A line cards.	10.4(3)F	Guidelines and Limitations for VXLAN QoS
MPLS SR QoS	Added MPLS SR QoS on the Cisco Nexus 9808/9804 switches with X9836DM-A and X98900CD-A line cards.	10.4(3)F	Guidelines and Limitations for Configuring Seamless Integration of EVPN with L3VPN (MPLS SR)

Feature	Description	Changed in Release	Where Documented
VXLAN	Added VXLAN support on the Cisco Nexus 9364C-H1 switches.	10.4(3)F	

Feature	Description	Changed in Release	Where Documented
			Guidelines and Limitations for VXLAN VXLAN deployment requirements and platform support Supported platforms and limitations for VXLAN static tunnels VXLANv6 deployment features and limitations Supported features and configuration limits for VXLAN BGP EVPN Supported features for VXLAN EVPN with downstream VNI Supported platforms and limitations for vPC fabric peering VXLAN EVPN interoperability mechanisms EVPN multi-homing supported modes and platform limitations Guidelines and Limitations for Configuring Seamless Integration of EVPN with L3VPN (MPLS SR) Guidelines and Limitations for EVPN to L3VPN SRv6 Handoff Supported platforms and configuration guidelines for VXLAN EVPN Multi-Site Supported platforms, software versions, and features for TRM with Multi-Site Features and limitations of Tenant Routed Multicast Supported features and limitations of Layer 3 TRM Supported features and platforms for Layer 2/Layer 3

Feature	Description	Changed in Release	Where Documented
			TRM (Mixed Mode) Supported platforms and configuration constraints for TRM Data MDT Supported platforms and releases for VXLAN NGOAM Supported features and limitations for VXLAN EVPN loop detection and mitigation Guidelines and Limitations for VXLAN QoS Guidelines and Limitations for Port VLAN Mapping Configure Inner VLAN and Outer VLAN Mapping on a Trunk Port Guidelines and Limitations for Port Multi-VLAN Mapping Guidelines and Limitations for Policy-Based Redirect Guidelines and Limitations for Proportional Multipath for VNF Guidelines and Limitations for VXLAN Cross Connect Guidelines and Limitations for Q-in-VNI Guidelines and Limitations for Q-in-VNI with L2PT Guidelines and Limitations for QinQ-QinVNI Guidelines and Limitations for Secure VXLAN EVPN Multi-Site Using CloudSec Guidelines and Limitations for Private VLANs Over VXLAN DHCP Snooping in VXLAN BGP EVPN Guidelines and limitations for DHCP Snooping on VXLAN

Feature	Description	Changed in Release	Where Documented
VXLAN source port enhancement	VXLAN UDP source port is enhanced with new configuration options to set the port number range for VXLAN encapsulated packets.	10.4(3)F	Configure the VXLAN UDP source port
NGOAM-SLD for Layer-3 interfaces	Added support for NGOAM Southbound Loop Detection (SLD) on Layer-3 ethernet and Layer-3 port-channel interfaces.	10.4(3)F	SLD support on L3 interfaces Configure NGOAM Southbound loop detection on Layer-3 interfaces
Multisite Anycast Border Gateway Support	Added support for VXLAN Multi-Site Anycast BGW on Cisco Nexus 9808/9804 switches with Cisco Nexus X9836DM-A and X98900CD-A line cards.	10.4(3)F	Supported platforms and configuration guidelines for VXLAN EVPN Multi-Site
TRM support for Multi-Site Anycast BGW	Added support for TRM with Multi-Site Anycast BGW on Cisco Nexus 9808/9804 switches with Cisco Nexus X9836DM-A and X98900CD-A line cards.	10.4(3)F	Supported features and limitations of Layer 3 TRM Configure Layer 3 Tenant Routed Multicast
NGOAM for Cisco Nexus 9800 switches	Added support for NGOAM ping, traceroute, and pathtrace on Cisco Nexus 9800 switches, but Xconnect and Southbound Loop Detection (SLD) are not supported.	10.4(3)F	Supported platforms and releases for VXLAN NGOAM
Border Spine support for Cisco Nexus 9800 switches	Added support for VXLAN features as border spine on Cisco Nexus 9800 switches.	10.4(3)F	Guidelines and Limitations for VXLAN

Feature	Description	Changed in Release	Where Documented
Multi-Site support with IPv6 Multicast Underlay in Fabric and IPv6 DCI IR	Added support for VXLAN EVPN and TRM multi-site with Protocol-Independent Multicast (PIMv6) Any-Source Multicast (ASM) on the fabric side and Ingress Replication (IPv6) on the DCI side.	10.4(3)F	VXLAN EVPN and TRM with IPv6 underlays Guidelines and limitations for VXLAN EVPN and TRM with IPv6 multicast underlay VXLAN EVPN multi-site deployments with IPv6 underlays Best practice for VXLAN EVPN Multi-Site with IPv6 Underlay Enable VXLAN EVPN Multi-Site with IPv6 multicast underlay Configure Fabric/DCI link tracking Configure fabric external neighbors Guidelines for configuring Multi-Site with vPC support TRM multi-site architectures with IPv6 underlay Guidelines for configuring TRM Multi-Site with IPv6 underlay Configure TRM Multi-Site with IPv6 Underlay TRM status in multi-site configurations
VXLAN PIM BiDir underlay support	Added support for PIM BiDir on Cisco Nexus 9300-FX3/GX/GX2/H2R/H1 switches, 9500 switches with 9700-GX line cards.	10.4(3)F	Underlay Considerations Multicast Routing in the VXLAN Underlay
VXLAN	Added VXLAN support on the Cisco Nexus 93400LD-H1 switches.	10.4(2)F	Guidelines and Limitations for VXLAN

Feature	Description	Changed in Release	Where Documented
TRMv4 Multi-Site anycast Underlay in Fabric and IR over DCI	Added support for VXLAN EVPN and TRM with IPv6 Multicast Underlay.	10.4(2)F	VXLAN EVPN and TRM with IPv6 underlays Guidelines and limitations for VXLAN EVPN and TRM with IPv6 multicast underlay Configuration options for VXLAN EVPN and TRM with IPv6 multicast underlay VXLAN EVPN and TRM configuration with IPv6 multicast underlay Verification commands for VXLAN EVPN and TRM with IPv6 multicast underlay
Private VLAN	Added support for Private VLAN for Cisco Nexus C9348GCFX3 and Cisco C9348GC-FX3PH.	10.4(1)F	Guidelines and Limitations for Private VLANs Over VXLAN
VXLAN EVPN First Hop Security	IPv4 First Hop Security support is provided in a EVPN VXLAN environment so that a host that has been authenticated on one VTEP can move to another VTEP.	10.4(1)F	Configure First Hop Security
VTEP co-existence with single-active ESI	Added ESI multi-homing support for Rx Single-active mode.	10.4(1)F	VXLAN EVPN interoperability mechanisms EVPN ESI multi-homing modes
Set outer DSCP for VXLAN encapsulated packets at ingress VTEP	The tunnel keyword is added to set the outer DSCP fields on the ingress VTEP.	10.4(1)F	IP to VXLAN with Outer DSCP Guidelines and Limitations for VXLAN QoS Setting Outer DSCP on the Ingress VTEP
Classify and rewrite packets based on outer DSCP at the egress VTEP	The tunnel keyword is added to match outer DSCP value on the egress VTEP using an ingress service policy.	10.4(1)F	VXLAN to IP Guidelines and Limitations for VXLAN QoS Configuring Type QoS on the Egress VTEP

Feature	Description	Changed in Release	Where Documented
VXLAN QoS Outer Header Policy for Layer 2	Added new default-vxlan-in-tnl-dscp-policy QoS policy-map template to match on the outer DSCP of the VXLAN packet and re-write CoS in the decapsulated ethernet packet on the egress VTEP.	10.4(1)F	CoS Preservation Guidelines and Limitations for VXLAN QoS Preserve CoS Configuration
VXLAN	Added VXLAN support on the Cisco Nexus 9332D-H2R platform switches	10.4(1)F	Guidelines and Limitations for VXLAN
VXLAN source port enhancement	VXLAN UDP source port is enhanced with new configuration options to set the port number range for VXLAN encapsulated packets.	10.4(1)F	Configure the VXLAN UDP source port
Split Loopback for VXLAN Multi-Site BGW Deployment	Added details for configuring an NVE Interface Loopback	10.4(1)F	Creating and Configuring an NVE Interface Loopback Migrate the NVE source loopback deployment to separate source loopbacks