Platform Support for Label Switching Features

This chapter defines platform support for features that are not supported across the entire suite of Cisco Platforms.

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Platform Support for Label Switching Features

The following tables list the supported platforms for each feature and the release in which they were first introduced. See the Release Notes for details about the platforms supported in the initial product release.

Static MPLS

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Feature	Supported Platform(s) or Line Cards	First Supported Release	Platform Exceptions
Adjacency statistics	Cisco Nexus 3100-V platform switches	7.0(3)F3(1)	Cisco Nexus 3000 Series switches
Backup path Fast Reroute (FRR) subsecond convergence	Cisco Nexus 9300 platform switches	7.0(3)F3(1)	None
Backup path Fast Reroute (FRR) subsecond convergence (Limited support)	Cisco Nexus 9500 platform switches	7.0(3)F3(1)	None
Egress-Stats for Static Routing	Cisco Nexus 9200 platform switches Cisco Nexus 9300-EX platform switches Cisco Nexus 9300-FX platform switches	7.0(3)I7(5)	None
MPLS Stripping	Cisco Nexus 9300-EX platform switches	7.0(3)I3(1)	None

Platform Support for Label Switching Features

Feature	Supported Platform(s) or Line Cards	First Supported Release	Platform Exceptions
Static MPLS	Cisco Nexus 3200 platform switches Cisco Nexus 9200 platform switches Cisco Nexus 3100-V platform switches Cisco Nexus 9300 platform switches Cisco Nexus 9300-EX platform switches Cisco Nexus 9500 switches with the 9400, 9500, 9600, and 9700-EX line cards	7.0(3)I7(2)	Cisco Nexus 3500 Series
	Cisco Nexus 9300-FX platform switches N9K-X9700-FX line cards	7.0(3)I7(5)	None
	Cisco Nexus 9300-EX platform switches	7.0(3)I3(1)	None

MPLS Label Impostion

Return to Configuring MPLS Label Imposition.

Feature	Supported Platform(s) or Line Cards	First Supported Release	Platform Exceptions
MPLS Label Imposition	Cisco Nexus 3164Q switch Cisco Nexus 31128PQ switch Cisco Nexus 3232C switch Cisco Nexus 3264Q switch Cisco Nexus 9200, 9300, 9300-EX, 9300-FX and 9500 switches with the 9400, 9500, 9600, 9700-EX and 9700-FX line cards.	7.0(3)I5(2)	None
	Cisco Nexus 9300-FX platform switches	7.0(3)I7(1)	None

MPLS Layer 3 VPNs

Return to Configuring MPLS Layer 3 VPNs.

Feature	Supported Platform(s) or Line Cards	First Supported Release	Platform Exceptions
MPLS Layer 3 VPN (LDP)	Nexus 9508 switch chassis with the N9K-X9636C-R, N9K-X96136YC-R, N9K-X9636C-RX and N9K-X9636Q-R line cards.	7.0(3)F3(3)	

Feature	Supported Platform(s) or Line Cards	First Supported Release	Platform Exceptions
MPLS Traffic Engineering (RSVP)	--	7.0(3)F3(1)	Nexus 9508 switch chassis with the N9K-X9636C-R, N9K-X9636C-RX, N9K-X96136YC-R and N9K-X9636Q-R line cards

MPLS Layer 3 VPN Label Allocation

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Feature	Supported Platform(s) or Line Cards	First Supported Release	Platform Exceptions
MPLS L3VPN Label Allocation	Cisco Nexus 9508	7.0(3)I7(6)	None
Local label allocation	Cisco Nexus 9508	7.0(3)I7(6)	None

MPLS Layer 3 VPN Load Balancing

Return to Configuring MPLS Layer 3 VPN Load Balancing.

Feature	Supported Platform(s) or Line Cards	First Supported Release	Platform Exceptions
MPLS Layer 3 VPN load balancing	MPLS Layer 3 VPN load balancing	7.0(3)F3(3)	None

Segment Routing

Return to Configuring Segment Routing.

Feature	Supported Platform(s) or Line Cards	First Supported Release	Platform Exceptions
BGP Egress Peer Engineering	Cisco Nexus 9300-FX platform switches	7.0(3)I7(1)	None
Egress-Stats for Segment Routing	Cisco Nexus 9200 Cisco Nexus 9300-FX platform switches Cisco Nexus 9300-EX platform switches	7.0(3)I7(5)	None
MPLS Time-to-Live (TTL)	Cisco N9K-X9700-FX line card Cisco N9K-X9700-EX line cards	7.0(3)I7(5)	None

Platform Support for Label Switching Features

Feature	Supported Platform(s) or Line Cards	First Supported Release	Platform Exceptions
A non-disruptive ISSU with MPLS features	None	None	None
Segment Routing	Cisco Nexus 9300-EX platform switches	7.0(3)I3(1)	None
	Cisco Nexus 9300-FX platform switches	7.0(3)I7(1)	None
	Cisco Nexus N9K-X9736C-FX line cards.	7.0(3)I7(3)	None
	Segment routing and SR-EVPN	Cisco Nexus C31108PC-V switches Cisco Nexus C31108TC-V switches Cisco Nexus C3132Q-V switches	7.0(3)I7(1)	None

MPLS QoS

Return to Configuring MPLS QoS.

Feature	Supported Platform(s) or Line Cards	First Supported Release	Platform Exceptions
MPLS QoS	Cisco Nexus 9300-EX platform switches Cisco Nexus 9300-FX platform switches N9K-X9700-FX line card N9K-X9700-EX line card	7.0(3)I7(5)	None

MPLS Segment Routing OAM

Return to Configuring Segment Routing.

Feature	Supported Platform(s) or Line Cards	First Supported Release	Platform Exceptions
MPLS OAM Nil FEC	Cisco Nexus 9300-FX platform switches	7.0(3)I7(1)	Cisco Nexus 9500 platform switches with -R line cards.

InterAS Option B

Return to InterAS Option B.

Feature	Supported Platform(s) or Line Cards	First Supported Release	Platform Exceptions
InterAS option B	Cisco Nexus 9508 switch chassis	7.0(3)I6(x)	None

Platform Support for Label Switching Features