New and Changed Feature Information in Cisco IOS XR Release 5.1.x

This table summarizes the new and changed feature information for the *Cisco IOS XR MPLS Configuration Guide for the Cisco XR 12000 Series Router*, and tells you where they are documented.

For a complete list of new and changed features in *Cisco IOS XR Software, Release 5.1.x*, see the *New and Changed Features in Cisco IOS XR Software, Release 5.1.x for Cisco XR 12000 Series Router* document.

New and Changed Feature Information in Cisco IOS XR Release 5.1.x

Table 1: New and Changed Features in Cisco IOS XR Software

Feature	Description	Introduced/Changed in Release	Where Documented
—	No new features.	Release 5.1	—
Stateful Path Computation Element	This feature was introduced.	Release 5.1.1	*Implementing MPLS Traffic Engineering* chapter: Stateful Path Computation Element
MPLS TE Extended Admin Groups	This feature was introduced.	Release 5.1.1	*Implementing MPLS Traffic Engineering* chapter: MPLS TE Extended Admin Groups
VRF Redirection to MPLS TE Tunnels	This feature was introduced.	Release 5.1.1	*Implementing MPLS Traffic Engineering* chapter: VRF Redirection to MPLS TE Tunnels

Feature	Description	Introduced/Changed in Release	Where Documented
MPLS TE IPv6 Autoroute	This feature was introduced.	Release 5.1.1	*Implementing MPLS Traffic Engineering* chapter: MPLS TE IPv6 Autoroute
MPLS TE SRLG Scale Enhancements	This feature was introduced.	Release 5.1.1	*Implementing MPLS Traffic Engineering* chapter: MPLS TE SRLG Scale Enhancements
MPLS TE Usability Enhancements	This feature was introduced.	Release 5.1.1	*Implementing MPLS Traffic Engineering* chapter: MPLS TE Usability Enhancements
MPLS TE Path Cost Limit	This feature was introduced.	Release 5.1.2	*Implementing MPLS Traffic Engineering* chapter: MPLS TE Path Cost Limit Configuring Path-selection Cost Limit Configure MPLS TE Path-selection Cost Limit: Example
Soft-preemption over FRR Backup Tunnels	This feature was introduced.	Release 5.1.2	*Implementing MPLS Traffic Engineering* chapter: Soft-preemption over FRR Backup Tunnels Enabling Soft-preemption over FRR Backup Tunnels
MPLS TE Auto-tunnel Primary One-hop	This feature was introduced.	Release 5.1.2	*Implementing MPLS Traffic Engineering* chapter: MPLS TE Auto-tunnel Mesh One-hop Enabling Auto-onehop Tunnels to Next-hop Neighbors
Inter-area Traffic Engineering with Dynamic ABR Discovery	This feature was introduced.	Release 5.1.2	*Implementing MPLS Traffic Engineering* chapter: Inter-area Traffic Engineering with Dynamic ABR Discovery