



# New and Changed Information for Segment Routing Features

This table summarizes the new and changed feature information for the *Segment Routing Configuration Guide for Cisco NCS 5500 Series Routers*, and lists where they are documented.

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## New and Changed Segment Routing Features-24.x.x

### Segment Routing Features Added or Modified in IOS XR Release 24.x.x

Feature	Description	Introduced/Changed in Release	Where Documented
BGP Signaling for co-existence of IP routes	This feature is introduced.	Release 24.3.1	<a href="#">BGP Signaling for co-existence of IP routes with or without SRv6 SID</a>
SRv6 Traffic Accounting for NCS 5700	This feature is introduced.	Release 24.3.1	<a href="#">SRv6 Traffic Accounting</a>
Delay Measurement Using Software Timestamp	This feature was introduced.	Release 24.3.1	<a href="#">Delay Measurement Using Software Timestamp</a>
Liveness Monitoring for IP Endpoint over SRv6 Network on Cisco NCS 5508 and Cisco NCS 5700 Series Routers	This feature was introduced.	Release 24.3.1	<a href="#">IP Endpoint Liveness Monitoring</a>
Delay Measurement for IP Endpoint over SRv6 Network on Cisco NCS 5508 and Cisco NCS 5700 Series Routers	This feature was introduced.	Release 24.3.1	<a href="#">Delay Measurement for IP Endpoint</a>

Feature	Description	Introduced/Changed in Release	Where Documented
SRv6 Traffic Class DSCP Marking Enhancement for QoS	This feature was introduced.	Release 24.2.1	<a href="#">Configuring SRv6</a>
User-Defined Generic Metric Support for IS-IS Flex Algo	This feature is introduced.	Release 24.2.1	<a href="#">User-Defined Generic Metric Support for IS-IS Flex Algo</a>
Display Neighbor Router Capabilities in OSPF Networks	This feature is introduced.	Release 24.2.1	<a href="#">Display Neighbor Router Capabilities in OSPF Networks</a>
Data Plane Validation for SR-MPLS IPv6-based Controller Instantiated LSPs	This feature is introduced.	Release 24.2.1	<a href="#">Data Plane Validation Support for SR-MPLS IPv6-based LSPs</a>
SR ECMP-FEC Optimization for IPv6 Prefixes	This feature is introduced.	Release 24.2.1	<a href="#">Segment Routing ECMP-FEC Optimization</a>
MPLS OAM support for SR-TE Policies using MPLS IPv6-based LSPs	This feature is introduced.	Release 24.2.1	<a href="#">MPLS OAM support for SR-TE Policies using MPLS IPv6-based LSPs</a>
Liveness Monitoring for IP Endpoint over SRv6 Network	This feature is introduced.	Release 24.2.1	<a href="#">IP Endpoint Liveness Monitoring</a>
Delay Measurement for IP Endpoint over SRv6 Network	This feature is introduced.	Release 24.2.1	<a href="#">Delay Measurement for IP Endpoint</a>
Dual-Stack Support with SRv6 Unicast and IPv4 Multicast Core	This feature is introduced.	Release 24.2.1	<a href="#">Dual-Stack with SRv6 Unicast and IPv4 Multicast Core</a>
Reporting of SR-TE Policies Using BGP-Link State for SRv6	This feature is introduced.	Release 24.1.1	<a href="#">Reporting of SR-TE Policies Using BGP-Link State for SRv6</a>
Path Maximum Transmission Unit (MTU) Discovery for SRv6 Encapsulated Packets	This feature is introduced.	Release 24.1.1	<a href="#">Path Maximum Transmission Unit (MTU) Discovery for SRv6 Encapsulated Packets</a>
ISIS Flexible Algorithm UCMP Support	This feature is introduced.	Release 24.1.1	<a href="#">IS-IS Flexible Algorithm UCMP Support</a>
Synthetic Loss Measurement	This feature is introduced.	Release 24.1.1	<a href="#">Synthetic Loss Measurement</a>

<b>Feature</b>	<b>Description</b>	<b>Introduced/Changed in Release</b>	<b>Where Documented</b>
SR-MPLSv6 Traffic Engineering	This feature is introduced.	Release 24.1.1	<a href="#">SR Policy Path Computation for IPv6</a>
Delay Measurement on NCS-57C3-MOD Fixed Port Routers	This feature is introduced.	Release 24.1.1	<a href="#">Link Delay Measurement</a>
Exclude Network Resources during Path Computation over SR-TE Policies	This feature was introduced.	Release 24.1.1	<a href="#">Exclude Network Resources during Path Computation over SR-TE Policies</a>
Configure the Shortest Path for Disjoint Candidate Paths	This feature was introduced.	Release 24.1.1	<a href="#">Configure the Shortest Path for Disjoint Candidate Paths</a>
Enable Strict Disjointness for SR-TE Policies in the PCE	This feature was introduced.	Release 24.1.1	<a href="#">Enable Strict Disjointness for SR-TE policies in the PCE</a>
Identical Route Distinguisher on MPLS and SRv6 L3 Services between MPLS and SRv6 Domains	This feature was modified.	Release 24.1.1	<a href="#">SRv6/MPLS L3 Service Interworking Gateway</a>

