



Integrated IS-IS Nonstop Forwarding (NSF) Awareness

The Integrated IS-IS Nonstop Forwarding (NSF) Awareness feature allows customer premises equipment (CPE) routers that are NSF-aware to help NSF-capable routers perform nonstop forwarding of packets. This feature is part of the software code and requires no configuration.

Feature Specifications for the Integrated IS-IS NSF Awareness Feature

Feature History

Release	Modification
12.2(15)T	This feature was introduced.

Supported Platforms

For information about platforms supported, refer to Cisco Feature Navigator.

Finding Support Information for Platforms and Cisco IOS and Catalyst OS Software Images

Use Cisco Feature Navigator to find information about platform support and Cisco IOS and Catalyst OS software image support. To access Cisco Feature Navigator, go to <http://www.cisco.com/go/cfn>. An account on Cisco.com is not required.

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Information About IS-IS NSF Awareness

The following concept describes the IS-IS NSF Awareness feature:

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Benefits of IS-IS NSF Awareness

The Integrated IS-IS Nonstop Forwarding Awareness feature allows CPE routers that are NSF-aware to help NSF-capable routers perform nonstop forwarding of packets. The awareness feature is part of the software code; it need not be configured.

The local router is not necessarily performing NSF; its awareness of NSF allows the integrity and accuracy of the RIB and link-state database occurring on the neighboring NSF-capable router to be maintained during the switchover process. Customers would want the IS-IS NSF Awareness feature when their routers are neighbors to NSF-capable routers.

Additional References

For additional information related to NSF and IS-IS, see the following section:

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- [MIBs, page 2](#)
- [RFCs, page 3](#)
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Related Documents

Related Topic	Document Title
Nonstop forwarding (NSF)	<i>Cisco Nonstop Forwarding with Stateful Switchover Deployment Guide</i>
Integrated IS-IS commands	<i>Cisco IOS IP Routing Protocols Command Reference</i>

Standards

Standards	Title
No new or modified standards are supported by this feature, and support for existing standards has not been modified by this feature.	—

MIBs

MIBs	MIBs Link
No new or modified MIBs are supported by this feature, and support for existing MIBs has not been modified by this feature.	To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL: http://www.cisco.com/go/mibs

RFCs

RFCs	Title
No new or modified RFCs are supported by this feature, and support for existing RFCs has not been modified by this feature.	—

Technical Assistance

Description	Link
<p>The Cisco Support website provides extensive online resources, including documentation and tools for troubleshooting and resolving technical issues with Cisco products and technologies.</p> <p>To receive security and technical information about your products, you can subscribe to various services, such as the Product Alert Tool (accessed from Field Notices), the Cisco Technical Services Newsletter, and Really Simple Syndication (RSS) Feeds.</p> <p>Access to most tools on the Cisco Support website requires a Cisco.com user ID and password.</p>	<p>http://www.cisco.com/techsupport</p>

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■ Additional References