



# 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 Software Images

Use Cisco Feature Navigator to find information about platform support and Cisco IOS software image support. Access Cisco Feature Navigator at <http://www.cisco.com/go/fn>. You must have an account on Cisco.com. If you do not have an account or have forgotten your username or password, click **Cancel** at the login dialog box and follow the instructions that appear.

## Contents

- [Information About IS-IS NSF Awareness, page 1](#)
- [Additional References, page 2](#)

## Information About IS-IS NSF Awareness

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

- [Benefits of IS-IS NSF Awareness, page 2](#)

## 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:

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

## Related Documents

Related Topic	Document Title
Nonstop forwarding (NSF)	<i>Cisco Nonstop Forwarding with Stateful Switchover</i> <a href="http://www.cisco.com/univercd/cc/td/doc/product/software/ios120/120newft/120limit/120s/120s22/nsf120s.htm">http://www.cisco.com/univercd/cc/td/doc/product/software/ios120/120newft/120limit/120s/120s22/nsf120s.htm</a>
Configuring Integrated IS-IS	<i>Cisco IOS IP Configuration Guide, Release 12.2</i>
Integrated IS-IS commands	<i>Cisco IOS IP Command Reference, Volume 2 of 3: Routing Protocols, Release 12.2</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 obtain lists of supported MIBs by platform and Cisco IOS release, and to download MIB modules, go to the Cisco MIB website on Cisco.com at the following URL:  <a href="http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml">http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml</a>

To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL:

<http://tools.cisco.com/ITDIT/MIBS/servlet/index>

If Cisco MIB Locator does not support the MIB information that you need, you can also obtain a list of supported MIBs and download MIBs from the Cisco MIBs page at the following URL:

<http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml>

To access Cisco MIB Locator, you must have an account on Cisco.com. If you have forgotten or lost your account information, send a blank e-mail to [cco-locksmith@cisco.com](mailto:cco-locksmith@cisco.com). An automatic check will verify that your e-mail address is registered with Cisco.com. If the check is successful, account details with a new random password will be e-mailed to you. Qualified users can establish an account on Cisco.com by following the directions found at this URL:

<http://www.cisco.com/register>

## 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
Technical Assistance Center (TAC) home page, containing 30,000 pages of searchable technical content, including links to products, technologies, solutions, technical tips, tools, and lots more. Registered Cisco.com users can log in from this page to access even more content.	<a href="http://www.cisco.com/public/support/tac/home.shtml">http://www.cisco.com/public/support/tac/home.shtml</a>

