



# Loadsharing IP Packets Over More Than Six Parallel Paths

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The Loadsharing IP Packets Over More Than Six Parallel Paths feature increases the maximum number of parallel routes that can be installed to the routing table for multipath loadsharing.

## Feature History for the Loadsharing IP Packets Over More Than Six Parallel Paths Feature

Release	Modification
12.3(2)T	This feature was introduced.
12.2(25)S	This feature was integrated into Cisco IOS Release 12.2(25)S.

## 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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## Restrictions for Loadsharing IP Packets Over More Than Six Parallel Paths

The Loadsharing IP Packets Over More Than Six Parallel Paths feature is only available in software images for supported platforms in Cisco IOS Release 12.3(2)T and later 12.3T releases.



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# Loadsharing IP Packets Over More Than Six Parallel Paths Overview

The Loadsharing IP Packets Over More Than Six Parallel Paths feature increases the maximum number of parallel routes that can be installed to the routing table. The maximum number has been increased from six to sixteen for the following commands:

- **maximum-paths**
- **maximum-paths eibgp**
- **maximum-paths ibgp**

The output of the **show ip route summary** command has been updated to show the number of parallel routes supported by the routing table.

The benefits of this feature include the following:

- More flexible configuration of parallel routes in the routing table.
- Ability to configure multipath loadsharing over more links to allow for the configuration of higher-bandwidth aggregation using lower-speed links.

## Additional References

For additional information related to multipath load sharing and the configuration of parallel routes, refer to the following references:

## Related Documents

Related Topic	Document Title
BGP commands: complete command syntax, command mode, command history, defaults, usage guidelines, and examples	<a href="#">Cisco IOS IP Routing Protocols Command Reference</a>
BGP configuration tasks including multipath load sharing	<a href="#">BGP Feature Roadmap</a>
eiBGP Multipath Load Sharing	<a href="#">“BGP Multipath Load Sharing for Both eBGP and iBGP in an MPLS-VPN” module</a>
iBGP Multipath Load Sharing	<a href="#">“iBGP Multipath Load Sharing” module</a>

## 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: <a href="http://www.cisco.com/go/mibs">http://www.cisco.com/go/mibs</a>

## 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>	<a href="http://www.cisco.com/techsupport">http://www.cisco.com/techsupport</a>

## Command Reference

The following commands are introduced or modified in the feature or features documented in this module. For information about these commands, see the *Cisco IOS IP Routing Protocols Command Reference* at [http://www.cisco.com/en/US/docs/ios/iproute/command/reference/irp\\_book.html](http://www.cisco.com/en/US/docs/ios/iproute/command/reference/irp_book.html). For information about all Cisco IOS commands, go to the Command Lookup Tool at <http://tools.cisco.com/Support/CLILookup> or to the *Cisco IOS Master Commands List*.

- **maximum-paths**
- **maximum-paths eibgp**
- **maximum-paths ibgp**

### show ip route summary

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