



CEF-Switched Multipoint GRE Tunnels

Feature History

Release	Modification
12.2(8)T	This feature was introduced on several platforms.

This document describes CEF-Switched Multipoint GRE Tunnels for Cisco IOS, Release 12.2(8)T.

Feature Overview

The CEF-Switched Multipoint GRE Tunnels feature enables CEF switching of IP traffic to and from multipoint GRE tunnels. Tunnel traffic can be forwarded to a prefix through a tunnel destination when both the prefix and the tunnel destination are specified by the application.

Benefits

This feature introduces CEF switching over multipoint GRE tunnels. Previously, only process switching was available for multipoint GRE tunnels.

Related Features and Technologies

- Virtual private networks (VPNs)
- CEF switching
- Generic routing encapsulation (GRE)

Related Documents

Cisco Documents

- *Cisco IOS Switching Services Configuration Guide*, Release 12.2
- *Cisco IOS Switching Services Command Reference*, Release 12.2
- *Cisco IOS Dial Solutions Configuration Guide*, Release 12.2
- *Cisco IOS Dial Solutions Command Reference*, Release 12.2

- *Cisco IOS Interface Configuration Guide*, Release 12.2
- *Cisco IOS Interface Command Reference*, Release 12.2

Other Documents

- RFC 1701, *Generic Routing Encapsulation (GRE)*
- RFC2784, *Generic Routing Encapsulation (GRE)*
- RFC2890, *Key and Sequence Number Extensions to GRE*

Supported Platforms

- Cisco 1000
- Cisco 1005
- Cisco 1700
- Cisco 1710
- Cisco 2400
- Cisco 2500
- Cisco 2600
- Cisco 3620
- Cisco 3640
- Cisco 3660
- Cisco 4500
- Cisco 5200
- Cisco 5300
- Cisco 5350
- Cisco 5400
- Cisco 5500
- Cisco 5800
- Cisco 5850
- Cisco 6400
- Cisco 7000
- Cisco 7100
- Cisco 7200
- Cisco 7400
- Cisco 7500
- Cisco 7700
- Cisco 800 series
- Cisco 8850
- Cisco 10000

- Cisco 10700
- Cisco Catalyst 6000
- Cisco Catalyst 6500
- Cisco Catalyst 6500 series Supervisor
- Cisco Catalyst 8510
- Cisco Catalyst 8540
- Cisco uBR7200
- Cisco uBR905
- Cisco uBR925

Determining Platform Support Through Cisco Feature Navigator

Cisco IOS software is packaged in feature sets that support specific platforms. To get updated information regarding platform support for this feature, access Cisco Feature Navigator. Cisco Feature Navigator dynamically updates the list of supported platforms as new platform support is added for the feature.

Cisco Feature Navigator is a web-based tool that enables you to quickly determine which Cisco IOS software images support a specific set of features and which features are supported in a specific Cisco IOS image. You can search by feature or release. Under the release section, you can compare releases side by side to display both the features unique to each software release and the features in common.

To access Cisco Feature Navigator, 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. 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 at <http://www.cisco.com/register>.

Cisco Feature Navigator is updated regularly when major Cisco IOS software releases and technology releases occur. For the most current information, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/fn>

Availability of Software Images

Platform support for particular Cisco IOS software releases is dependent on the availability of the software images for those platforms. Software images for some platforms may be deferred, delayed, or changed without prior notice. For updated information about platform support and availability of software images for each Cisco IOS software release, refer to the online release notes or, if supported, Cisco Feature Navigator.

Supported Standards, MIBs, and RFCs

Standards

None

MIBs

None

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:

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

RFCs

- RFC 1701, *Generic Route Encapsulation (GRE)*
- RFC2784, *Generic Routing Encapsulation (GRE)*
- RFC2890, *Key and Sequence Number Extensions to GRE*

Configuration Tasks

None

Configuration Examples

None

Command Reference

There are no new or modified commands used with this feature. Refer to the Cisco IOS Release 12.2 command reference publications for command documentation.