



# Cisco Express Forwarding Features Roadmap

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This feature roadmap lists the Cisco IOS XE features documented in the Cisco Express Forwarding modules of the *Cisco IOS XE IP Switching Configuration Guide* and maps them to the documents in which they appear. The roadmap is organized so that you can select your release train and see the features in that release. Find the feature name you are searching for and click on the URL in the “Where Documented” column to access the document containing that feature.

Many legacy features have been incorporated into the configuration files, and these features may not have entries in this roadmap. For the latest feature information and caveats, see the release notes for your platform and software release.

## Feature and Release Support

**Table 1** lists Cisco Express Forwarding feature support for the following Cisco IOS XE software release trains:

- [Cisco IOS XE Release 2](#)

Use Cisco Feature Navigator to find information about platform support and software image support. Cisco Feature Navigator enables you to determine which Cisco IOS XE software images support a specific software release, feature set, or platform. To access Cisco Feature Navigator, go to <http://www.cisco.com/go/cfn>. An account on Cisco.com is not required.



### Note

**Table 1** lists only the Cisco IOS XE software release that introduced support for a given feature in a given Cisco IOS XE software release train. Unless noted otherwise, subsequent releases of that Cisco IOS XE software release train also support that feature.

**Table 1** lists the most recent release of each software train first and the features in alphabetical order within the release.



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**Table 1 Supported Cisco Express Forwarding Features**

Release	Feature Name	Feature Description	Where Documented
<b>Cisco IOS XE Release 2</b>			
Cisco IOS XE Release 2.1	8-Way CEF Load Balancing	The 8-Way Cisco Express Forwarding Load Balancing feature provides the ability to share the traffic to a destination prefix over up to eight active paths (an increase from the previous support of six active paths). The traffic load among the active paths can be distributed per destination.	<a href="#">Configuring a Load-Balancing Scheme for Cisco Express Forwarding Traffic</a>
Cisco IOS XE Release 2.1	CEF Support for IP Routing between IEEE 802.1Q VLANs	In Cisco IOS XE Release 2.1, Cisco Express Forwarding support for IP routing between IEEE 802.1Q vLANs was introduced on Cisco ASR 1000 Series Aggregation Services Routers.	<ul style="list-style-type: none"> <li>• <a href="#">Cisco Express Forwarding Overview</a></li> <li>• <a href="#">Configuring Basic Cisco Express Forwarding for Improved Performance, Scalability, and Resilience in Dynamic Networks</a></li> </ul>
Cisco IOS XE Release 2.1	CEF-Switched Multipoint GRE Tunnels	This feature enables Cisco Express Forwarding switching of IP traffic to and from multipoint generic routing encapsulation (GRE) tunnels. Prior to the introduction of this feature, only process switching was available for multipoint GRE tunnels.	<a href="#">Cisco Express Forwarding Overview</a>
Cisco IOS XE Release 2.1	Nonstop Forwarding Enhanced FIB Refresh	This feature allows you to clear the forwarding table on demand and to continue forwarding using the old entries in the table while the new forwarding tables is being built.	<a href="#">Configuring Epochs to Clear and Rebuild Cisco Express Forwarding and Adjacency Tables</a>

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