



BFD - VRF Support

The BFD - VRF Support feature enables Bidirectional Forwarding Detection (BFD) support for Virtual Routing and Forwarding (VRF) on Provider Edge (PE) and Customer Edge (CE) devices to provide fast detection of routing protocol failures between the devices.

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Finding Feature Information

Your software release may not support all the features documented in this module. For the latest caveats and feature information, see [Bug Search Tool](#) and the release notes for your platform and software release. To find information about the features documented in this module, and to see a list of the releases in which each feature is supported, see the feature information table at the end of this module.

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

Prerequisites for BFD - VRF Support

All Bidirectional Forwarding Detection (BFD) clients must be Virtual Routing and Forwarding (VRF)-aware.

Information About BFD - VRF Support

Overview of BFD - VRF Support

The BFD - VRF Support feature enables Bidirectional Forwarding Detection (BFD) support for Virtual Routing and Forwarding (VRF) on Provider Edge (PE) and Customer Edge (CE) devices to provide fast detection of routing protocol failures between the devices.

A BFD client establishes a Virtual Private Networking (VPN) session with devices that have BFD configured on them before requesting for session monitoring. However, there are no route lookups to determine whether a BFD neighbor is connected to the same VPN session or a different one. BFD relies on its client to get information about the VPN session to monitor the associated neighbor device. All information about VPN sessions is used to forward BFD control packets to the appropriate VPN through Cisco Express Forwarding (CEF).

Additional References for BFD - VRF Support

Related Documents

Related Topic	Document Title
BFD Commands	IP Routing Protocol-Independent Commands A through R IP Routing Protocol-Independent Commands S through T
Cisco IOS Commands	Cisco IOS Master Command List, All Releases

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>	http://www.cisco.com/support

Feature Information for BFD - VRF Support

The following table provides release information about the feature or features described in this module. This table lists only the software release that introduced support for a given feature in a given software release train. Unless noted otherwise, subsequent releases of that software release train also support that feature.

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Table 1: Feature Information for BFD - VRF Support

Feature Name	Releases	Feature Information
BFD - VRF Support	15.2(1)E	The BFD - VRF Support feature enables Bidirectional Forwarding Detection (BFD) support for Virtual Routing and Forwarding (VRF) on Provider Edge (PE) and Customer Edge (CE) devices to provide fast detection of routing protocol failures between the devices.

