



FHRP – HSRP BFD Peering

The FHRP – Hot Standby Router Protocol (HSRP) Bidirectional Forwarding Detection (BFD) Peering feature introduces BFD in the HSRP group member health monitoring system. Previously, HSRP group member monitoring relied exclusively on HSRP multicast messages, which are relatively large and consume CPU memory to produce and check. In architectures where a single interface hosts a large number of groups, there is a need for a lighter protocol. BFD addresses this issue and offers sub-second health monitoring at a relatively low CPU impact.

Configuration Information

Configuration information is included in the “Configuring HSRP” module of the *Cisco IOS IP Application Services Configuration Guide*, Release 12.4T, at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124tcg/tiapp_c/fhrp/htaiphsr.htm

The following sections provide information about this feature:

- HSRP BFD Peering
- Configuring HSRP BFD Peering
- Verifying HSRP BFD Peering
- HSRP BFD Peering: Example

For additional configuration information for BFD, see the *Bidirectional Forwarding Detection* document, at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122newft/122limit/122sx/12218sxe/fs_bfd.htm

For a complete list of features included in the “Configuring HSRP” module, see the Feature Information Table located toward the end of the module.

Command Reference Information

Command reference information is included in the *Cisco IOS IP Application Services Command Reference*, Release 12.4T, at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124tcr/tiap_r/index.htm

New or Modified Commands

The following commands are new or modified for this feature:

- **debug standby events neighbor**
- **show standby**
- **show standby neighbors**
- **standby bfd**
- **standby bfd all-interfaces**

List of All Release 12.4T Commands

An alphabetical list of all Cisco IOS Release 12.4T commands is in the *Cisco IOS Master Commands List*, Release 12.4T, at the following URL:

- http://www.cisco.com/en/US/docs/ios/mcl/124tmcl/124t_book.html

List of All New, Modified, Removed, and Replaced Release 12.4T Commands

Alphabetized lists of all new, modified, removed, and replaced commands for each Cisco IOS Release 12.4T release are in the *Cisco IOS New, Modified, Removed, and Replaced Commands*, Release 12.4T, document at the following URL:

- http://www.cisco.com/en/US/docs/ios/mcl/124tmcl/124t_nml.html

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