



BGP Support for Fast Peering Session Deactivation

The BGP Support for Fast Peering Session Deactivation feature introduces an event-driven notification system that allows a Border Gateway Protocol (BGP) process to monitor BGP peering sessions on a per-neighbor basis. This feature improves the response time of BGP to adjacency changes by allowing BGP to detect an adjacency change and deactivate the terminated session in between standard BGP scanning intervals. Enabling this feature improves overall BGP convergence.

Configuration Information

Configuration information is included in the “Configuring BGP Neighbor Session Options” module of the *Cisco IOS BGP Configuration Guide*, Release 12.4T, at the following URL:

http://www.cisco.com/en/US/docs/ios/12_4t/ip_route/configuration/guide/brbpeer.html

The following sections provide information about this feature:

- BGP Support for Fast Peering Session Deactivation
- Configuring Fast Session Deactivation
- Configuring Fast Session Deactivation for a BGP Neighbor: Example

For a complete list of features included in the “Configuring BGP Neighbor Session Options” module, see the Feature Information table located toward the end of the module.

Command Reference Information

The following command is new or modified for this feature:

- **neighbor fall-over**

Detailed information about this command is included in the *Cisco IOS IP Routing: BGP Command Reference*, at the following URL:

http://www.cisco.com/en/US/docs/ios/iproute_bgp/command/reference/irg_book.html



Americas Headquarters:

Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

© 2006, 2007 Cisco Systems, Inc. All rights reserved.

Master Command List

For an alphabetical list of all Cisco IOS commands, see the *Cisco IOS Master Command List* at the following URL:

http://www.cisco.com/en/US/docs/ios/mcl/allreleasemcl/all_book.html

CCVP, the Cisco logo, and Welcome to the Human Network are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn is a service mark of Cisco Systems, Inc.; and Access Registrar, Aironet, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Enterprise/Solver, EtherChannel, EtherFast, EtherSwitch, Fast Step, Follow Me Browsing, FormShare, GigaDrive, HomeLink, Internet Quotient, IOS, iPhone, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, iQuick Study, LightStream, Linksys, MeetingPlace, MGX, Networkers, Networking Academy, Network Registrar, PIX, ProConnect, ScriptShare, SMARTnet, StackWise, The Fastest Way to Increase Your Internet Quotient, and TransPath are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0711R)

Any Internet Protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.

© 2006, 2007 Cisco Systems, Inc. All rights reserved.