



BGP Selective Address Tracking

The BGP Selective Address Tracking feature introduces the use of a route map for next-hop route filtering and fast session deactivation. Selective next-hop filtering uses a route map to selectively define routes to help resolve the BGP next hop. A route map can be used to determine if a peering session with a BGP neighbor should be reset when a route to the BGP peer changes.

Configuration Information

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

http://www.cisco.com/en/US/docs/ios/iproute_bgp/configuration/guide/12_4t/irg_12_4t_book.html

The following sections provide information about this feature:

- Selective BGP Next-Hop Route Filtering
- Configuring BGP Selective Next-Hop Route Filtering
- Configuring BGP Selective Next-Hop Route Filtering: Examples

Configuration information is also 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/iproute_bgp/configuration/guide/12_4t/irg_12_4t_book.html

The following sections provide information about this feature:

- Selective Address Tracking for BGP Fast Session Deactivation
- Configuring Selective Address Tracking for Fast Session Deactivation
- Configuring Selective Address Tracking for Fast Session Deactivation: Example

For a complete list of features included in the “Configuring Advanced BGP Features” and the “Configuring BGP Neighbor Session Options” modules, see the Feature Information Table located toward the end of the modules.

Command Reference Information

Command reference information is included in the *Cisco IOS IP Routing Protocols Command Reference*, Release 12.2SR, at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122sr/cr/sripr_r/index.htm



Americas Headquarters:

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

© 2007 Cisco Systems, Inc. All rights reserved.

New or Modified Commands

The following commands are new or modified for this feature:

- **bgp nexthop**
- **neighbor fall-over**

List of All Release 12.2SR Commands

An alphabetical list of all Cisco IOS Release 12.2SR commands is in the *Cisco IOS Master Commands List*, Release 12.2SR, at the following URL:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios122sr/122srmdx/122sridx.htm>

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.

© 2007 Cisco Systems, Inc. All rights reserved.