



## BGP Selective Address Tracking

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



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### **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/122srmidx/122sridx.htm>

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