



EOT Support for Carrier Delay

The EOT Support for Carrier Delay feature enables Enhanced Object Tracking (EOT) to consider the carrier-delay timer when tracking the status of an interface.

If a link fails, by default there is a two-second timer that must expire before an interface and the associated routes are declared as being down. If a link goes down and comes back up before the carrier delay timer expires, the down state is effectively filtered, and the rest of the software on the switch is not aware that a link-down event occurred. You can configure the **carrier-delay** *seconds* command in interface configuration mode to extend the timer up to 60 seconds.

When Enhanced Object Tracking (EOT) is configured on an interface, the tracking may detect the interface is down before a configured carrier-delay timer has expired. This is because EOT looks at the interface state and does not consider the carrier delay timer. Use the **carrier-delay** command in tracking configuration mode to enable tracking to consider the carrier-delay timer configured on an interface.

Configuration Information

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

<http://www.cisco.com/en/US/docs/ios-xml/ios/ipapp/configuration/12-4t/iap-12-4t-book.html>

The following sections provide information about this feature:

- EOT Support for Carrier Delay
- Tracking the Line-Protocol State of an Interface
- Tracking the IP-Routing State of an Interface
- Interface IP Routing: Example

For a complete list of features included in the “Configuring Enhanced Object Tracking” module, refer to the Feature Information Table located toward the end of the module.

Command Reference Information

Command reference information is included in the *IP Application Services Command Reference* at the following URL:

<http://www.cisco.com/en/US/docs/ios-xml/ios/ipapp/command/iap-cr-book.html>

New or Modified Commands

The following commands are new or modified for this feature:

- **carrier-delay (tracking)**
- **show track**

List of All Release 12.4T Commands

An alphabetical list of all Cisco IOS Release 12.4T commands is in the *Cisco IOS Master Command 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/products/ps6441/products_product_index09186a00805db026.html

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