



OER Border Router Only Functionality

In Cisco IOS Release 12.2(33)SXH support for using a Cisco Catalyst 6500 series switch as an OER border router was introduced. Only border router functionality is included in the Cisco IOS Release 12.2(33)SXH images; no master controller configuration is available. The master controller that communicates with the Cisco Catalyst 6500 series switch being used as a border router must be a router running Cisco IOS Release 12.4(6)T or a later release. The OER master controller software has been modified to handle the limited functionality supported by the Cisco Catalyst 6500 border routers. Using the Route Processor (RP), the Catalyst 6500 border routers can capture throughput statistics only for a traffic class compared to the delay, loss, unreachability, and throughput statistics collected by non-Catalyst 6500 border routers. A master controller automatically detects the limited capabilities of the Catalyst 6500 border routers and downgrades other border routers to capture only the throughput statistics for traffic classes. By ignoring other types of statistics, the master controller is presented with a uniform view of the border router functionality.

Configuration Information

Configuration information is included in the “Setting Up OER Network Components” module of the *Cisco IOS Optimized Edge Routing Configuration Guide*, Release 12.4T, at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124tcg/toer_c/h_oerstr.htm

The following sections provide information about this feature:

- OER Border Router Support for Cisco Catalyst Switches
- Setting Up an OER Border Router

For a complete list of features included in the “Setting Up OER Network Components” module, see the Feature Information table located toward the end of the module.

Configuration information is included in the “Using OER to Profile the Traffic Classes” module of the *Cisco IOS Optimized Edge Routing Configuration Guide*, Release 12.4T, at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124tcg/toer_c/h_oerpl.htm

The following sections provide information about this feature:

- Restrictions for Using OER to Profile the Traffic Classes
- Configuring Application Aware Routing to Profile the Traffic Classes in Cisco IOS Release 12.4(15)T and Later Releases



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- Configuring Application Aware Routing to Profile the Traffic Classes in Cisco IOS Release 12.4(15)T and Later Releases: Examples

For a complete list of features included in the “Using OER to Profile the Traffic Classes” module, see the Feature Information table located toward the end of the module.

Configuration information is included in the “Measuring the Traffic Class Performance and Link Utilization Using OER” module of the *Cisco IOS Optimized Edge Routing Configuration Guide*, Release 12.4T, at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124tcg/toer_c/h_oerpm.htm

The following sections provide information about this feature:

- OER Traffic Class Performance Measurement
- OER Special Monitoring Support for Cisco Catalyst 6500 Series Switches Used as Border Routers

For a complete list of features included in the “Measuring the Traffic Class Performance and Link Utilization Using OER” module, see the Feature Information table located toward the end of the module.

Command Reference Information

Release 12.2SX

The following commands are new or modified for this feature:

- **show oer border passive cache**

Detailed information about these commands is included in the *Cisco IOS Optimized Edge Routing Command Reference*, Release 12.2SX, at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122sx/cr/sxoer_r/index.htm

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