



Performance Routing - Application Interface

The Performance Routing - Application Interface feature introduces support for an Optimized Edge Routing (OER) application interface. The application interface defines the mode of communication and messaging between applications and the network for the purpose of optimizing the traffic associated with the applications. A provider must be registered with an OER master controller before the application can interface with OER. Host devices in the provider network running an application that communicates with OER using the application interface must also be configured at an OER master controller with an IP address and key chain password. After registration, a host device in the provider network can initiate a session with an OER master controller. When a provider application initiates a session with an OER master controller, a session ID number is allocated to the session. After a session is established, the application can send a request for reports containing performance numbers for traffic classes, dynamically create policies to influence the existing traffic classes, or specify new traffic class criteria. The application interface provides an automated method for networks to be aware of applications and provides application-aware performance routing.

Configuration Information

Configuration information is included in the “Setting Up OER Network Components” chapter 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 Application Interface
- Registering an Application Interface Provider and Configuring Host Devices
- Registering an Application Interface Provider and Configuring Host Devices: Examples

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.



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Command Reference Information

Release 12.4T

The following commands are new or modified for this feature:

- **api provider**
- **debug oer api**
- **host-address**
- **show oer api provider**
- **show oer master policy**
- **show oer master prefix**

Detailed information about these commands is included in the *Cisco IOS Optimized Edge Routing Command Reference*, Release 12.4T, at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124tcr/toer_r/index.htm

Master Command Lists

Cisco IOS master commands lists provide an alphabetical list of all Cisco IOS commands in a Cisco IOS release.

Cisco IOS new, modified, removed, and replaced commands lists provide an alphabetized list of all new, modified, removed, and replaced commands in a Cisco IOS release.

Release 12.4T

Cisco IOS Master Commands List, Release 12.4T, at the following URL:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124mindx/124htix.htm>

Cisco IOS New, Modified, Removed, and Replaced Commands List, Release 12.4T, at the following URL:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124mindx/124html.htm>

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