Cisco Unified Border Element Enterprise Management

This Cisco Unified Border Element (Enterprise) is a special Cisco IOS XE software image that runs on Cisco ASR1000. It provides a network-to-network interface point for billing, security, call admission control, quality of service, and signaling interworking. This chapter describes basic gateway functionality, software images, topology, and summarizes supported features.

Note Cisco Product Authorization Key (PAK)--A Product Authorization Key (PAK) is required to configure some of the features described in this guide. Before you start the configuration process, please register your products and activate your PAK at the following URL http://www.cisco.com/go/license .

Finding Feature Information

Your software release may not support all the features documented in this module. For the latest caveats and feature information, see Bug Search Tool and the release notes for your platform and software release. To find information about the features documented in this module, and to see a list of the releases in which each feature is supported, see the feature information table at the end of this module.

Use Cisco Feature Navigator to find information about platform support and Cisco software image support. To access Cisco Feature Navigator, go to www.cisco.com/go/cfn. An account on Cisco.com is not required.

Configuration of Cisco UBE Management Features

This chapter contains the following configuration topics:

Monitoring the SIP Trunk

- Out-of-dialog SIP OPTIONS

SNMP Management

- MIB to report call volume and call rate related statistics
- Voice Media Quality MIB

Billing/Accounting

- CDR

Voice Quality Media Statistics

- PCM Capture for ASP and NR

Redundancy - High Availability (HA)

- Stateful Switchover Between Redundancy Paired Intra or Inter-Box Devices

Protocol Monitoring

- Media Inactivity timer based on RTP
- SIP: SIP Support for Options
- The Clearable SIP-US Statistics feature adds MIB support.