Cisco Unified Border Element (Enterprise) Feature Roadmap, Cisco IOS XE Release 2

Americas Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
http://www.cisco.com
Tel: 408 526-4000
      800 553-NETS (6387)
Fax: 408 527-0883

CONTENTS

Cisco Unified Border Element Enterprise Configuration Guide Roadmap

This roadmap lists the features documented in the *Cisco Unified Border Element (Enterprise) Configuration Guide* and maps them to the chapters in which they appear.

Note   Before you can configure the software features described in this guide, you will need a Product Authorization Key (PAK). Before you start the configuration process, please register your products and activate your PAK at the following URL http://www.cisco.com/go/license.

For the latest feature information and caveats, see 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 "Cisco Unified Border Element (Enterprise) Configuration Guide Feature support" section on page 4.

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

For more information about Cisco IOS voice features, see the entire Cisco IOS Voice Configuration Library--including feature documents, and troubleshooting information--at http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124tcg/vcl.htm.

The table below lists only the Cisco IOS XE software release that introduced support for a given feature in a given Cisco IOS software release train. Unless noted otherwise, subsequent releases of that Cisco IOS XE software release train also support that feature.

Table 1   Cisco Unified Border Element (Enterprise) Configuration Guide Feature Support

Feature Name	Where Documented	IOS XE Release	Cisco UBE Version
Ability to Send a SIP Registration Message on a Border Element	"SIP--Ability to Send a SIP Registration Message on a Border Element"	Cisco IOS XE Release 2.5	1.2
Call Routing logic on Cisco UBE using the History-info Header	"Call Routing logic on Cisco UBE using the History-info Header"	Cisco IOS XE Release 3.3S	1.4
Cisco Resource Reservation Protocol Agent	"Cisco Resource Reservation Protocol Agent"	Cisco IOS XE Release 3.3S	1.4

Feature Name	Where Documented	IOS XE Release	Cisco UBE Version
Cisco Unified Border Element and Cisco Unified Communications Manager Express Support for Universal Packaging	" Cisco Unified Border Element and Cisco Unified Communications Manager Express Support for Universal Packaging"	15.0(1)M	--
Cisco Unified Border Element Videoconferencing	"Cisco Unified Border Element Videoconferencing"	Cisco IOS XE Release 3.3S	1.4
Cisco Unified Communication Trusted Firewall Control	"Cisco Unified Communication Trusted Firewall Control"	Cisco IOS XE Release 3.3S	1.4
Cisco Unified Communication Trusted Firewall Control-Version II	"Cisco Unified Communication Trusted Firewall Control-Version II"	Cisco IOS XE Release 3.3S	1.4
Clearable SIP-UA Statistics	The Clearable SIP-US Statistics feature adds MIB support. No commands or configurations were introduced or modified in this release.	Cisco IOS XE Release 2.5	1.2
Configurable Hostname in Locally Generated SIP Header	"SIP--Configurable Hostname in Locally Generated SIP Headers"	Cisco IOS XE Release 2.5	1.2
Configurable Pass-through of SIP INVITE Parameters	"Cisco Unified Border Element Support for Configurable Pass-through of SIP INVITE Parameters"	Cisco IOS XE Release 3.1S	1.2
Configuring an Error Response Code upon an Out-of-Dialog OPTIONS Ping Failure	"Cisco Unified Border Element Support for Configuring an Error Response Code upon an Out-of-Dialog OPTIONS Ping Failure"	Cisco IOS XE Release 3.1S	1.2
Configuring SIP Message, Timer, and Response Features	Configuring SIP Message, Timer, and Response Features	Cisco IOS XE Release 3.1S	1.2
Core SIP Technology Enhancements	"SIP--Core SIP Technology Enhancements"	Cisco IOS XE Release 2.5	1.2

Feature Name	Where Documented	IOS XE Release	Cisco UBE Version
DSP Based Functionality on the Cisco UBE (Enterprise) Including Transcoding and Transrating	DSP Based Functionality on the Cisco UBE (Enterprise) Including Transcoding and Transrating	Cisco IOS XE Release 3.2S	1.4
DTMF Events Through SIP Signaling	"DTMF Events through SIP Signaling"	Cisco IOS XE Release 2.5	1.2
Dynamic Payload Type Interworking for DTMF and Codec Packets for SIP-to-SIP Calls	"Support for Dynamic Payload Type Interworking for DTMF and Codec Packets for SIP-to-SIP Calls"	Cisco IOS XE Release 3.1S	1.2
Expire Timer Reset on Receiving or Sending SIP 183 Message	"Support for Expires Timer Reset on Receiving or Sending SIP 183 Message"	Cisco IOS XE Release 3.1S	1.2
H.323-to-H.323 Video Support with HA	"H.323-to-H.323 Video Support with HA"	Cisco IOS XE Release 3.3S	1.4
H.323-to-SIP Supplementary Feature Interworking for Session Border Controller	"H.323-to-SIP Supplementary Feature Interworking for Session Border Controller"	Cisco IOS XE Release 2.5	1.2
Hiding the Internal Topology Information Embedded Within the History-info Header at the Cisco UBE	"Hiding the Internal Topology Information Embedded Within the History-info Header at the Cisco UBE"	Cisco IOS XE Release 3.3S	1.4
iLBC Support for SIP and H.323	"iLBC Support for SIP and H.323"	Cisco IOS XE Release 2.5	1.2
Inbound Dial-peer to Match the URI on SIP Calls	Configuring an Inbound Dial-peer to Match the URI on SIP Calls	Cisco IOS XE Release 3.1S	1.2
INFO Method for DTMF Tone Generation	"SIP--INFO Method for DTMF Tone Generation"	Cisco IOS XE Release 2.5	1.2
Interworking Between RSVP Capable and RSVP Incapable Networks	"Support for Interworking Between RSVP Capable and RSVP Incapable Networks"	Cisco IOS XE Release 3.1S	1.2
Interworking of Secure RTP calls for SIP and H.323	"Interworking of Secure RTP calls for SIP and H.323"	Cisco IOS XE Release 3.1S	1.2
Modem Passthrough	Modem passthrough	Cisco IOS XE Release 3.1S	1.2
Multiple Registrars on SIP Trunks	"Support for Multiple Registrars on SIP Trunks"	Cisco IOS XE Release 3.1S	1.2

Feature Name	Where Documented	IOS XE Release	Cisco UBE Version
Negotiation of an Audio Codec from a List of Codecs on Each Leg of a SIP-to-SIP Call on the Cisco Unified Border Element	"Support for Negotiation of an Audio Codec from a List of Codecs on Each Leg of a SIP-to-SIP Call on the Cisco Unified Border Element"	Cisco IOS XE Release 2.5	1.2
Out-of-dialog OPTIONS Ping for Specified SIP Servers or Endpoints	"Configuring Cisco UBE Out-of-dialog OPTIONS Ping for Specified SIP Servers or Endpoints"	Cisco IOS XE Release 3.1S	1.2
PAID, PPID, Privacy, PCPID, and PAURI Headers on the Cisco Unified Border Element	"Support for PAID, PPID, Privacy, PCPID, and PAURI Headers on the Cisco Unified Border Element"	Cisco IOS XE Release 3.1S	1.2
Reporting End-of-Call Statistics in SIP BYE Message	"Reporting End-of-Call Statistics in SIP BYE Message"	Cisco IOS XE Release 3.3S	1.4
RFC 2782 Compliance with DNS SRV Queries	"SIP--RFC 2782 Compliance with DNS SRV Queries"	Cisco IOS XE Release 2.5	1.2
RFC 4040-Based Clear Channel Codec Negotiation for SIP Calls	"RFC 4040-Based Clear Channel Codec Negotiation for SIP Calls"	Cisco IOS XE Release 3.1S	1.2
RTP Media Loopback for SIP Calls	"Configuring RTP Media Loopback for SIP Calls"	Cisco IOS XE Release 3.3S	1.4
Selective Filtering of Outgoing Provisional Response on the Cisco Unified Border Elements	"Configuring Selective Filtering of Outgoing Provisional Response on the Cisco Unified Border Element"	Cisco IOS XE Release 3.1S	1.2
Session Border Controller Enhancements for H.323-to-SIP and SIP-to-SIP Supplementary Services, Transcoding Optimization and Firewall Integration	"Cisco Unified Border Element (Enterprise) H.323-to-SIP Interworking Features"	Cisco IOS XE Release 3.1S	1.2
Session Timer Support	"SIP--Session Timer Support"	Cisco IOS XE Release 2.5	1.2
Show Commands to display Cisco UBE related information	"Show Commands to display Cisco UBE related information"	Cisco IOS XE Release 3.3S	1.4

Feature Name	Where Documented	IOS XE Release	Cisco UBE Version
SIP - Enhanced 180 Provisional Response Handling	"SIP--Enhanced 180 Provisional Response Handling"	Cisco IOS XE Release 2.5	1.2
SIP 181 Call is Being Forwarded Message	"Configuring Support for SIP 181 Call is Being Forwarded Message"	Cisco IOS XE Release 3.1S	1.2
SIP Diversion Header Enhancements	"SIP Diversion Header Enhancements"	Cisco IOS XE Release 3.1S	1.2
SIP History-info Header	History INFO to Diversion Header	Cisco IOS XE Release 3.1S	1.2
SIP Parameter Modification	"SIP Parameter Modification"	Cisco IOS XE Release 2.5	1.2
SIP SRTP Fallback to Nonsecure RTP	"SIP SRTP Fallback to Nonsecure RTP"	Cisco IOS XE Release 3.1S	1.2
SIP Stack Portability	"SIP--SIP Stack Portability"	Cisco IOS XE Release 2.5	1.2
SIP Video Calls with Flow Around Media	"Support for SIP Video Calls with Flow Around Media"	Cisco IOS XE Release 3.1S	1.2
SIP Video Support for Telepresence Calls	"SIP Video Support for Telepresence Calls"	Cisco IOS XE Release 3.1S	1.2 1.4
SIP--Gateway Support for the Bind Command	"SIP--Gateway Support for the bind Command"	Cisco IOS XE Release 2.5	1.2
SIP-to-SIP Basic Functionality for Session Border Controller	"SIP-to-SIP Basic Functionality for Session Border Controller"	Cisco IOS XE Release 3.3S	1.2 1.4
SIP-to-SIP Extended Feature Functionality for Session Border Controllers	"SIP-to-SIP Extended Feature Functionality for Session Border Controllers"	Cisco IOS XE Release 3.1S	1.2 1.4
SIP-to-SIP Supplementary Services for Session Border Controller	"SIP-to-SIP Supplementary Services for Session Border Controller"	Cisco IOS XE Release 3.1S	1.2
Software Media Termination Point	"Support for Software Media Termination Point"	Cisco IOS XE Release 2.6S	1.2
Stateful Switchover Between Redundancy Paired Devices	"Stateful Switchover Between Redundancy Paired Devices"	Cisco IOS XE Release 3.2S	1.4

Feature Name	Where Documented	IOS XE Release	Cisco UBE Version
Transparent Tunneling of QSIG and Q.931 over SIP TDM Gateway and SIP-SIP Cisco Unified Border Element	"Transparent Tunneling of QSIG and Q.931 over SIP TDM Gateway and SIP-SIP Cisco Unified Border Element"	Cisco IOS XE Release 3.1S	1.2
Transport Layer Security (TLS)	The SIP-to-SIP Extended Feature Functionality for Session Border Controllers (SBCs)	Cisco IOS XE Release 3.1S	1.2
VoIP for IPv6	"VoIP for IPv6"	Cisco IOS XE Release 3.3S	1.4
VRF aware H.323 and SIP	"VRF aware H.323 and SIP"	Cisco IOS XE Release 3.3S	1.4