



# Session Refresh with Reinvites

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**Last Updated: December 20, 2011**

Configuring support for session refresh with reinvites expands the ability of the Cisco Unified Border Element to receive a REINVITE message that contains either a session refresh parameter or a change in media via a new SDP and ensure the session does not time out. The **midcall-signaling** command distinguishes between the way a Cisco Unified Communications Express and Cisco Unified Border Element releases signaling messages. Most SIP-to-SIP video and SIP-to-SIP ReInvite-based supplementary services features require the Configuring Session Refresh with Reinvites feature to be configured.

## **Cisco IOS Release 12.4(15)XZ and Earlier Releases**

Session refresh support via OPTIONS method. For configuration information, see the "Enabling In-Dialog OPTIONS to Monitor Active SIP Sessions" section.

## **Cisco IOS Release 12.4(15)XZ and Later Releases**

Cisco Unified BE transparently passes other session refresh messages and parameters so that UAs and proxies can establish keepalives on a call.

- The **allow-connections sip to sip** command must be configured before you configure the Session refresh with Reinvites feature. For more information and configuration steps see the "Configuring SIP-to-SIP Connections in a Cisco Unified Border Element" section.

## **Cisco Unified Border Element**

- Cisco IOS Release 12.4(20)T or a later release must be installed and running on your Cisco Unified Border Element.

## **Cisco Unified Border Element (Enterprise)**

- Cisco IOS XE Release 2.5 or a later release must be installed and running on your Cisco ASR 1000 Series Router.



**Note**

- SIP-to-SIP video calls and SIP-to-SIP ReInvite-based supplementary services fail if the **midcall-signaling** command is not configured.

**Note**

The following features function if the **midcall-signaling** command is not configured: session refresh and refer-based supplementary services.

- Configuring Session Refresh with Reinvites is for SIP-to-SIP calls only. All other calls (H323-to-SIP, and H323-to-H323) do not require the **midcall-signaling** command be configured
- Configuring the Session Refresh with Reinvites feature on a dial-peer basis is not supported.

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**SUMMARY STEPS**

1. **enable**
2. **configure terminal**
3. **voice service voip**
4. **sip**
5. **midcall-signaling passthru**
6. **exit**
7. **end**

**DETAILED STEPS**

	<b>Command or Action</b>	<b>Purpose</b>
<b>Step 1</b>	<b>enable</b>  <b>Example:</b> Router> enable	Enables privileged EXEC mode. <ul style="list-style-type: none"> <li>• Enter your password if prompted.</li> </ul>
<b>Step 2</b>	<b>configure terminal</b>  <b>Example:</b> Router# configure terminal	Enters global configuration mode.
<b>Step 3</b>	<b>voice service voip</b>  <b>Example:</b> Router(config)# voice service voip	Enters VoIP voice-service configuration mode.

Command or Action	Purpose
<b>Step 4</b> sip  <b>Example:</b> Router(conf-voi-serv)# sip	Enters SIP configuration mode.
<b>Step 5</b> midcall-signaling passthru  <b>Example:</b> Router(conf-serv-sip)# midcall-signaling passthru	Passes SIP messages from one IP leg to another IP leg.
<b>Step 6</b> exit  <b>Example:</b> Router(conf-serv-sip)# exit	Exits the current mode.
<b>Step 7</b> end  <b>Example:</b> Router(conf-serv-sip) end	Returns to privileged EXEC mode.

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## Finding Feature Information

Your software release may not support all the features documented in this module. 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 Feature Information Table at the end of this document.

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](http://www.cisco.com/go/cfn). An account on Cisco.com is not required.

## Feature Information for Session Refresh with Reinvites

The following table provides release information about the feature or features described in this module. This table lists only the software release that introduced support for a given feature in a given software release train. Unless noted otherwise, subsequent releases of that software release train also support that feature.

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](http://www.cisco.com/go/cfn). An account on Cisco.com is not required.

Feature History Table for the ASR

**Table 1** *Feature Information for Session Refresh with Reinvites*

Feature Name	Releases	Feature Information
Session Refresh with Reinvites	12.4(20)T	Expands the ability of the Cisco Unified BE to control the session refresh parameters and ensure the session does not time out.  <b>midcall-signaling</b>

Feature History Table for the ISR

**Table 2** *Feature Information for Session Refresh with Reinvites*

Feature Name	Releases	Feature Information
Session Refresh with Reinvites	Cisco IOS XE Release 2.5	Expands the ability of the Cisco Unified BE to control the session refresh parameters and ensure the session does not time out.  <b>midcall-signaling</b>

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