



Support for Media Flow- Around with SIP Signaling control on CUBE

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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.

Prerequisites

Cisco Unified Border Element

- Cisco IOS Release 15.1(3)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 <TBD> or a later release must be installed and running on your Cisco ASR 1000 Series Router.

How to Configure Media Flow-Around with SIP Signalling control on CUBE

Configuring Media Flow-Around for a Voice Class

To configure media flow-around for a voice class, perform the steps in this section.

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **voice class media *tag***
4. **media flow-around**
5. **dial-peer voice *tag* voip**
6. **voice class media *tag***
7. **exit**

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Router> enable	Enables privileged EXEC mode. Enter your password if prompted.
Step 2	configure terminal Example: Router# configure terminal	Enters global configuration mode.
Step 3	voice class media <i>tag</i> Example: Router(config)# voice class media 1	Enters voice-class configuration mode and assign an identification tag for a media voice class.
Step 4	media flow-around Example: Router(config-class)# media flow-around	Enables media flow around.

	Command or Action	Purpose
Step 5	dial-peer voice tag voip Example: Router(config-class)# dial-peer voice 2 voip	Enters dial-peer configuration mode and assign an identification tag for VoIP.
Step 6	voice class media tag Example: Router(config-dial-peer)# voice class media 1	Assign an identification tag for a media voice class.
Step 7	exit Example: Router(config-dial-peer)# exit	Exit dial-peer configuration mode.

Configuring Media Flow-Around at the Global Level

To configure media flow-around at the global level, perform the steps in this section.

SUMMARY STEPS

1. enable
2. configure terminal
3. voice service voip
4. media flow-around
5. exit

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Router> enable	Enables privileged EXEC mode. Enter your password if prompted.
Step 2	configure terminal Example: Router# configure terminal	Enters global configuration mode.

	Command or Action	Purpose
Step 3	voice service voip Example: Router(config)# voice service voip	Enters VoIP voice-service configuration mode.
Step 4	media flow-around Example: Router(config-voi-serv)# media flow-around	Enables media flow-around.
Step 5	exit Example: Router(config-voi-serv)# exit	Exits the current mode.

Configuring Media Flow-Around for a Dial Peer

To configure media flow-around for an individual dial peer, perform the steps in this section.



Note

If you plan to configure both incoming and outgoing dial peers, you must specify the transparent codec on the incoming dial peer.

>

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **dial-peer voice *number* voip**
4. **media flow-around**
5. **exit**

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Router> enable	Enables privileged EXEC mode. Enter your password if prompted.

	Command or Action	Purpose
Step 2	configure terminal Example: <pre>Router# configure terminal</pre>	Enters global configuration mode.
Step 3	dial-peer voice <i>number</i> voip Example: <pre>Router(config)# dial-peer voice 2 voip</pre>	Enters dial peer voice configuration mode for the specified VoIP dial peer.
Step 4	media flow-around Example: <pre>Router(config-dial-peer)# media flow-around</pre>	Enables media flow-around.
Step 5	exit Example: <pre>Router(config-dial-peer)# exit</pre>	Exits dial peer voice configuration and returns to privileged EXEC mode.

Configuring Delayed-Offer to Early-Offer Media Flow-Around at the Global Level

Perform this task to configure delayed-offer (DO) to early-offer (EO) media flow-around at the voice service configuration mode.

SUMMARY STEPS

1. enable
2. configure terminal
3. voice service voip
4. media flow-around
5. sip
6. early offer-forced
7. exit
8. exit
9. exit

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Router> enable	Enables privileged EXEC mode. <ul style="list-style-type: none"> • Enter your password if prompted.
Step 2	configure terminal Example: Router# configure terminal	Enters global configuration mode.
Step 3	voice service voip Example: Router(config)# voice service voip	Enters voice service configuration mode.
Step 4	media flow-around Example: Router(config-voi-serv)# media flow-around	Enables media flow-around.
Step 5	sip Example: Router(config-voi-serv)# sip	Enters SIP configuration mode.
Step 6	early offer-forced Example: Router(config-serv-sip)# early offer-forced	Forcefully sends SIP EO invites on the Out-Leg(OL).
Step 7	exit Example: Router(config-serv-sip)# exit	Exits SIP configuration mode and returns to voice service configuration mode.
Step 8	exit Example: Router(config-voi-serv)# exit	Exits voice service configuration mode and returns to global configuration mode.

	Command or Action	Purpose
Step 9	exit Example: <pre>Router(config)# exit</pre> Example:	Exits global configuration mode and returns to privileged EXEC mode.

Configuring Delayed-Offer to Early-Offer Media Flow-Around for a Dial-Peer

Perform this task to configure DO to EO Media Flow-Around for an individual dial peer.

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **dial-peer voice *number* voip**
4. **media flow-around**
5. **voice class sip early-offer forced**
6. **exit**
7. **exit**

DETAILED STEPS

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

	Command or Action	Purpose
Step 4	media flow-around Example: Router(config-dial-peer)# media flow-around	Enables media flow-around.
Step 5	voice class sip early-offer forced Example: Router(config-dial-peer)# voice class sip early-offer forced	Forcefully sends SIP EO invites on the Out-Leg.
Step 6	exit Example: Router(config-dial-peer)# exit	Exits dial peer voice configuration mode and returns to global configuration mode.
Step 7	exit Example: Router(config)# exit	Exits global configuration mode and returns to privileged EXEC mode.

Configuring Delayed-Offer to Early-Offer Media Flow-Around for High-Density Transcoding Calls

Perform this task to configure Delayed-Offer to Early-Offer Media transcoding high-density calls.

SUMMARY STEPS

1. enable
2. configure terminal
3. voice service voip
4. media transcoder high-density
5. sip
6. early offer-forced
7. exit
8. exit
9. exit

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Router> enable	Enables privileged EXEC mode. <ul style="list-style-type: none"> • Enter your password if prompted.
Step 2	configure terminal Example: Router# configure terminal	Enters global configuration mode.
Step 3	voice service voip Example: Router(config)# voice service voip	Enters voice service configuration mode.
Step 4	media transcoder high-density Example: Router(config-voi-serv)# media transcoder high-density	Enables media transcoder high-density for transcoding high-density media calls.
Step 5	sip Example: Router(config-voi-serv)# sip	Enters SIP configuration mode.
Step 6	early offer-forced Example: Router(config-serv-sip)# early offer-forced	Forcefully sends SIP EO invites on the Out-Leg.
Step 7	exit Example: Router(config-serv-sip)# exit	Exits SIP configuration mode and returns to voice service configuration mode.
Step 8	exit Example: Router(config-voi-serv)# exit	Exits voice service configuration mode and returns to global configuration mode.

	Command or Action	Purpose
Step 9	exit Example: <pre>Router(config)# exit</pre> Example:	Exits global configuration mode and returns to privileged EXEC mode.

Feature Information for Media Flow- Around with SIP Signaling control on Cisco UBE

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.

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ISR Feature table entry

Table 1: Feature Information for Media Flow- Around with SIP Signaling control on Cisco UBE

Feature Name	Releases	Feature Information
Media Flow- Around with SIP Signaling control on CiscoUBE	15.1(3)T	Support for Media Flow-Around for Delayed-Offer to Early-Offer audio calls on Cisco UBE were introduced.The following section provides information about this feature: No new commands were introduced or modified.

ASR Feature table entry

Table 2: Feature Information for Media Flow- Around with SIP Signaling control on CUBE

Feature Name	Releases	Feature Information
Media Flow- Around with SIP Signaling control on CiscoUBE	TBD	Support for Media Flow-Around for Delayed-Offer to Early-Offer audio calls on Cisco UBE were introduced.The following section provides information about this feature: No new commands were introduced or modified.

