Call Escalation from Voice to Video

The Call Escalation from Voice to Video feature supports mid-call escalation of SIP-to-SIP calls via signaling from voice calls to video. The call initially starts as an audio-only call. When the call is in progress, media renegotiation results in a video stream being added to the call, leading to call escalation from an audio-only call to an audio and video call.

Finding Feature Information

For the latest feature information and caveats, see the release notes for your platform and software release.

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

Prerequisites for Call Escalation from Voice to Video

Cisco Unified Border Element

- Cisco IOS Release 15.1(4)M or a later release must be installed and running on your Cisco Unified Border Element.

Cisco Unified Border Element (Enterprise)

- Cisco IOS XE Release 3.8S or a later release must be installed and running on your Cisco ASR 1000 Series Router.

How to Configure Call Escalation from Voice to Video

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Configuring Call Escalation from Voice to Video

To configure call escalation for SIP-to-SIP calls from voice calls to video, perform the following task:

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **voice service voip**
4. **allow-connections** *from-type* to *to-type*
5. **exit**
6. **dial-peervoicetagvoip**
7. **sessionprotocolsipv2**
8. **codectransparent**
9. **end**

DETAILED STEPS

	Command or Action	Purpose
Step 1	**enable** **Example:** Device> **enable**	Enables privileged EXEC mode. • Enter your password if prompted.
Step 2	**configure terminal** **Example:** Device# **configure terminal**	Enters global configuration mode.
Step 3	**voice service voip** **Example:** Device(config)# **voice service voip**	Enters VoIP voice service configuration mode.

	Command or Action	Purpose
Step 4	**allow-connections** *from-type* to *to-type* **Example:** Device(config-voi-srv)#**allow-connections sip to sip**	Allows connections between specific types of endpoints in an Cisco UBE. Arguments are as follows: • from-type—Type of connection. Valid values: h323, sip • to-type—Type of connection. Valid values: h323. sip **Note** H.323-to-H.323: By default, H.323-to-H.323 connections are disabled and POTS-to-any and any-to-POTS connections are enabled.
Step 5	**exit** **Example:** Router(config-voi-serv)#**exit**	Exits VoIP service configuration mode and returns to global configuration mode.
Step 6	**dial-peervoicetagvoip** **Example:** Device(config)#**dial-peer voice 1 voip**	Enters dial-peer voice configuration mode for the specified VoIP dial peer.
Step 7	**sessionprotocolsipv2** **Example:** Device(config-dial-peer)# **session protocol sipv2**	Enters the session protocol type as SIP.
Step 8	**codectransparent** **Example:** Device(config-dial-peer)# **codec transparent**	Specifies the voice codec rate of speech for a dial peer. • transparent—Enables codec capabilities to be passed transparently between endpoints in a Cisco Unified Border Element (UBE). **Note** The transparent keyword is available only on the Cisco 2600, 3600, 7200, and 7500 series routers.
Step 9	**end** **Example:** Device(config-dial-peer)# end	Exits dial-peer voice configuration mode.

Feature Information for Call Escalation from Voice to Video

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. An account on Cisco.com is not required.

Table 1: Feature Information for Call Escalation from Voice to Video

Feature Name	Releases	Feature Information
Call Escalation from Voice to Video	15.1(4)M	This feature supports mid-call escalation of SIP-to-SIP calls via signaling from voice calls to video.This feature supports mid-call escalation of SIP-to-SIP calls via signaling from voice calls to video.
Call Escalation from Voice to Video	Cisco IOS XE Release 3.8S	This feature supports mid-call escalation of SIP-to-SIP calls via signaling from voice calls to video.This feature supports mid-call escalation of SIP-to-SIP calls via signaling from voice calls to video.