



Media Renegotiation

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This module describes the Media Renegotiation feature for the enhancement of the media setup process in the Skinny Client Control Protocol (SCCP) telephony control (STC) application (STCAPP) state machine. This feature enables media setup call flows to have improved interworking with third-party call control/Computer Telephony Integration (3PCC/CTI) that control analog endpoints behind IOS gateways.

Finding Feature Information in This Module

Your Cisco IOS software release may not support all of the features documented in this module. To reach links to specific feature documentation in this module and to see a list of the releases in which each feature is supported, use the “[Feature Information for Media Renegotiation](#)” section on page 180.

Finding Support Information for Platforms and Cisco IOS Software Images

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

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Benefits of Media Renegotiation

Media Renegotiation enables media setup call flows to have improved interworking with 3PCC/CTI that control analog endpoints behind IOS gateways.

This feature does not change the user behavior such that you do not notice any difference when you are having a call that experiences media renegotiation.

Information About Media Renegotiation

To enable SCCP supplementary features on analog phones connected to FXS ports on a Cisco voice gateway, you should understand the following concepts:

- [Media Renegotiation, page 178](#)

Media Renegotiation

In some customer environments, the media setup messages may arrive in a different sequence and involve a different protocol translation. If the remote side uses a different protocol from that of the calling phone, the media setup message sequence might be different.

Through Media Renegotiation, the media setup process in the STCAPP state machine can be enhanced to support any of the most possible sequences of the media setup messages.

Through this feature, media renegotiation can be introduced in the middle of a call and after early media (before and after the call is connected) is flowing.

The basic concept of the Media Renegotiation design is that no matter which media event is received, the event handler handles only the media direction that belongs to the event. For example, when an event involving the closure of the receiving channel is received, the event handler disconnects the receiving part of the media only, leaving the sending part unaffected in case the media path works both ways.

Additional References

The following sections provide references related to SCCP analog phone support for FXS ports on the Cisco voice gateway.

Related Documents

Related Topic	Document Title
Cisco Unified Communications Manager	Cisco Unified Communications Manager
Cisco Unified Communications Manager Express	Cisco Unified Communications Manager Express
Cisco IOS debugging	Cisco IOS Debug Command Reference
Cisco IOS voice commands	Cisco IOS Voice Command Reference
Cisco IOS voice configuration	Cisco IOS Voice Configuration Library
Cisco voice gateway	• Cisco VG200 Series Gateway • Cisco 1800 Series Integrated Services Routers • Cisco 2800 Series Integrated Services Routers • Cisco 3800 Series Integrated services Routers • Cisco Unified 500 Series
Conferencing and transcoding resources	• “Configuring Enhanced Conferencing and Transcoding for Voice Gateway Routers” chapter in the Cisco Unified CallManager and Cisco IOS Interoperability Guide. • Cisco CallManager and IOS Gateway DSP Farm Configuration Example

Technical Assistance

Description	Link
The Cisco Support website provides extensive online resources, including documentation and tools for troubleshooting and resolving technical issues with Cisco products and technologies. To receive security and technical information about your products, you can subscribe to various services, such as the Product Alert Tool (accessed from Field Notices), the Cisco Technical Services Newsletter, and Really Simple Syndication (RSS) Feeds. Access to most tools on the Cisco Support website requires a Cisco.com user ID and password.	http://www.cisco.com/techsupport

Feature Information for Media Renegotiation

Table 1 lists the features in this module and provides links to specific configuration information. Only features that were introduced or modified in Cisco IOS Release 15.1(3)T or a later release appear in the table.

For information on a feature in this technology that is not documented here, see the “[Supplementary Services Features Roadmap](#)” section on page 1.

Not all commands may be available in your Cisco IOS software release. For release information about a specific command, see the command reference documentation.

Use Cisco Feature Navigator to find information about platform support and software image support. Cisco Feature Navigator enables you to determine which Cisco IOS and Catalyst OS software images support a specific software release, feature set, or platform. To access Cisco Feature Navigator, go to <http://www.cisco.com/go/cfn>. An account on Cisco.com is not required.

**Note**

Table 1 lists only the Cisco IOS 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 software release train also support that feature.

Table 1 **Feature Information for Media Renegotiation**

Feature Name	Releases	Feature Information
Media Renegotiation	15.1(3)T	Enhances the STCAPP state machine to support any of the most possible sequences of the media setup messages. The following section provides information about this feature: Information About Media Renegotiation, page 178 No new commands were introduced by this feature.