



Configuring SCCP Meet-Me Conference

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This module describes how to configure SCCP Meet-Me Conference for Foreign Exchange Station (FXS) ports on a Cisco VG224 Analog Phone Gateway or Cisco Integrated Services Router (ISR), such as a Cisco Unified 500 Series platform, a Cisco 1861, or a Cisco 2800 or 3800 Series ISR, under the control of Cisco Unified Communications Manager Express (Cisco Unified CME) or Cisco Unified Communications Manager.

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 SCCP Meet-Me Conference](#)” section on page 64.

Finding Support Information for Platforms and Cisco IOS Software Images

Use Cisco Feature Navigator to find information about platform support and Cisco IOS software image support. Access Cisco Feature Navigator at <http://www.cisco.com/go/fn>. You must have an account on Cisco.com. If you do not have an account or have forgotten your username or password, click **Cancel** at the login dialog box and follow the instructions that appear.

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Prerequisites for SCCP Meet-Me Conference

- Cisco IOS Release 12.4(9th)T or a later release.
- The Cisco IOS gateway is set up and configured for operation. For information, see the appropriate Cisco configuration documentation.
- The analog FXS voice ports are set up and configured for operation. For information, see the [Cisco IOS Voice Port Configuration Guide](#).
- SCCP is enabled on the Cisco IOS gateway. STC application for analog ports is enabled on the Cisco IOS gateway. For configuration information, see the [SCCP Controlled Analog \(FXS\) Ports with Supplementary Features in Cisco IOS Gateways](#) document.

Analog Endpoints in Cisco Unified Communications Manager

- Phones are added and configured in Cisco Unified Communications Manager. See the “Directory Number Configuration” chapter under “Call Routing Configuration” and the “Gateway Configuration” chapter under “Device Configuration” in the appropriate [Cisco Unified Communications Manager Administration Guide](#).
- Hardware conference bridge is configured in Cisco Unified Communications Manager. Configure the same bridge name for the hardware conference bridge and for the Cisco IOS bridge. Security mode can be encrypted, authenticated or non-secure. See the “Conference Bridge Configuration” section of the “Media Resource Configuration” chapter in the appropriate [Cisco Unified Communications Manager Administration Guide](#).
- Meet-Me page and conference numbers are configured in Cisco Unified Communications Manager. See the “Meet-Me Number/Pattern Configuration” section of the “Call Routing” chapter in the appropriate [Cisco Unified Communications Manager Administration Guide](#).

Analog Endpoints in Cisco Unified CME

- Cisco Unified CME 4.1 or a later version.
- Ephone configurations and feature parameters for analog endpoints are configured in Cisco Unified CME. For information, see the [Cisco Unified CME Administration Guide](#).
- Meet-Me Conferencing is configured in Cisco Unified CME. Meet-me conference numbers are configured in Cisco Unified CME. For configuration information, see “How to Configure Conferencing” in the [Cisco Unified CME Administrator Guide](#).

Restrictions for SCCP Meet-Me Conference

Analog Endpoints in Cisco Unified Communications Manager

- Maximum number of simultaneous meet-me conferences for each Cisco Unified Communications Manager server is 100.

Analog Endpoints in Cisco Unified CME

- The maximum number of meet-me conference parties is 32 for one digital signal processor (DSP) using the G.711 codec and 16 for a DSP using the G.729 codec.

Information About SCCP Meet-Me Conference

To enable SCCP Meet-Me Conference on analog phones connected to FXS ports on a voice gateway, you should understand the following concepts:

- [Feature Summary, page 55](#)
- [SCCP Meet-Me Conference, page 56](#)

Feature Summary

[Table 1](#) contains a description of SCCP Meet-Me Conference in Cisco IOS Release 12.4(9th)T, along with information about how to configure support your Cisco call-control system.

Table 1 *SCCP Meet-Me Conference Feature Summary*

Feature	How Phone User Accesses Feature	Configuration on Call-Control System
SCCP Meet-Me Conference Enables user on an analog SCCP phone to start or join a meet-me conference call.	To start a meet-me conference, user dials feature access code (FAC) prefix and meet-me conference code, and following the confirmation tone, the meet-me conference number. Default prefix and code is <code>**5</code>. Participants can join the conference by dialing the meet-me conference number. Participants hear a busy tone if they call the conference number before the conference controller has joined. In this case, participants must call back. To end a meet-me conference, all participants must hang up. The conference does not automatically end when the conference controller disconnects. Before a conference controller can start a meet-me conference, meet-me conference numbers must be configured in your Cisco call-control system by the system administrator. Note The <code>stcapp feature access-code</code> command must be enabled on the Cisco IOS gateway.	Cisco Unified Communications Manager To configure: • See the “Conference Bridge Configuration” section of the “Media Resource Configuration” chapter in the appropriate Cisco Unified Communications Manager Administration Guide. • See the “Meet-Me Number/Pattern Configuration” section of the “Call Routing” chapter in the appropriate Cisco Unified Communications Manager Administration Guide. Cisco Unified CME To configure meet-me conferencing and meet-me conference numbers, see “SCCP: Configuring Conferencing” in the Cisco Unified CME Administrator Guide.

SCCP Meet-Me Conference

Meet-me conferencing is hardware-based conferencing. Hardware-based conferencing uses digital signal processors (DSPs) to allow more parties than software-based ad hoc conferencing, which is limited to only three parties. Meet-me conferencing requires a range of meet-me conference numbers that are created in the Cisco call-control system and allocated for exclusive use of the conference.

To start an SCCP Meet-Me Conference on an analog phone connected to a voice gateway, you must dial a feature access code (FAC) consisting of a prefix plus a feature code. The default FAC for SCCP Meet-Me Conference is `**5`.

When you start a meet-me conference, the Cisco call-control system considers you the conference controller. When a meet-me conference is set up, you choose a meet-me conference number and advertise it to conference participants. Participants call the number to join the conference. Anyone who calls the number while the conference is active joins the conference as long as the number of participants does not exceed the maximum number of parties specified for the conference type and sufficient streams are available on the conference device.

For example, the conference shown in [Figure 1](#) is created when the conference controller at extension 1215 presses the FAC for SCCP Meet-Me Conference, hears a confirmation tone, and then dials the meet-me conference number 1500. Extension 1225 and extension 1235 join the meet-me conference by dialing 1500. Extensions 1215, 1225, and 1235 are all parties in a meet-me conference on extension 1500.

Figure 1 *Simple Meet-Me Conference Graphic to be inserted HERE*

If other phone users press the meet-me FAC and then dial the same meet-me conference number, the Cisco call-control system ignores the signals.

A meet-me conference continues even if the conference controller hangs up.

If only one participant remains in the meet-me conference, for example, if one participant forgets to hang up, the conference call is disconnected after five minutes to free system resources.

If the conference controller is waiting for participants to join the conference and is the only party on the conference, the conference is not disconnected because significant resources are not being used.

How to Configure SCCP Meet-Me Conference

To enable feature access codes (FACs), define a prefix other than the default (`**`), and define a feature code other than the default (`5`) for SCCP Meet-Me Conference, perform the following steps.

**Note**

This document does not contain details about configuring Cisco Unified Communications Manager or Cisco Unified CME. See the documentation for those products for installation and configuration instructions.

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **stcapp feature access-code**
4. **meetme-conference** *keypad-character*
5. **end**

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	stcapp feature access-code Example: Router(config)# stcapp feature access-code	Enables feature access codes (FACs) in the STC application and enters the STC application feature access-code configuration mode.
Step 4	prefix <i>prefix-string</i> Example: Router(stcapp-fac)# prefix *#	(Optional) Sets a prefix string to indicate that the following keypad character is a feature access code. <i>prefix-string</i>—String of one to five characters that can be dialed on a telephone keypad. String must start with an asterisk (*) or a number sign (#). Default is **. Note Configuring the prefix command changes the prefix for all FACs. For information about FACs for other features, see SCCP Controlled Analog (FXS) Ports with Supplementary Features in Cisco IOS Gateways .

Command or Action	Purpose
Step 5 meetme-conference <i>keypad-character</i> Example: Router(stcapp-fac)# meetme-conference #55	(Optional) Sets the code to use for enabling meet-me conferencing on FXS ports. <i>keypad-character</i>—Character string that can be dialed on a telephone keypad. Default is 5. - Length of <i>keypad-character</i> is a single character (0-9, *, #) or two digits (00-99) or To configure the code so that the analog phone user is not required to dial the prefix to access this feature, length is 2-4 characters and the leading or ending character of the string must be an asterisk (*) or a number sign (#).
Step 6 end Example: Router(stcapp-fac)# end	Exits to privileged EXEC mode.

Examples

The following partial output from the **show running configuration** command shows that FACs are enabled and displays the values for feature codes that have been modified. In this configuration, because the feature code for SCCP Meet-Me Conference is at least two characters long (#55) and begins with a number sign (#), phones users are not required to dial the FAC prefix to access the Meet-Me Conference feature. A conference controller must dial only #55 and following the confirmation tone, the meet-me conference number to create a meet-me conference call.

```
Router# show running-config
.
.
.
stcapp feature access-code
prefix *#
meetme-conference #55
!
```

The following output from the **show stcapp feature codes** command displays the default and nondefault settings for FACs. In this configuration, all of the FACs settings are for default values.

```
Router# show stcapp feature codes

stcapp feature access-code
malicious call ID (MCID) ***
prefix **
call forward all **1
call forward cancel **2
pickup local group **3
pickup different group **4
pickup direct **6
meetme-conference **5
```

Additional References

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

Related Documents

Related Topic	Document Title
Cisco Unified Communications Manager	Cisco Unified Communications Manager documentation
Cisco Unified Communications Manager Express	Cisco Unified Communications Manager Express documentation
Cisco IOS debugging	Cisco IOS Debug Command Reference, Release 12.4T
Cisco IOS voice commands	Cisco IOS Voice Command Reference
Cisco IOS voice configuration	Cisco IOS Voice Configuration Library
Cisco IOS gateway	Voice gateway documentation
Conferencing and transcoding resources	• “Configuring Enhanced Conferencing and Transcoding for Voice Gateway Routers” chapter in the <i>Cisco Unified CallManager and Cisco IOS Interoperability Guide</i>. • 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

Command Reference

This section documents new commands. All other commands used with this feature are documented in the *Cisco IOS Voice Command Reference* or in the *Cisco Unified CME Command Reference*.

- [meetme-conference](#)

meetme-conference

To define a feature code for a Feature Access Code (FAC) to initiate an SCCP Meet-Me Conference, use the **meetme-conference** command in STC application feature access-code configuration mode. To return the feature code to its default, use the **no** form of this command.

meetme-conference *keypad-character*

no meetme-conference

Syntax Description	<i>keypad-character</i> Character string that can be dialed on a telephone keypad (0-9, *, #). Default: 5. The string can be any of the following: • A single character (0-9, *, #) • Two digits (00-99) • Two to four characters (0-9, *, #) and the leading or ending character must be an asterisk (*) or number sign (#)
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Command Default	The default value of the feature code is 5.
------------------------	---

Command Modes	STC application feature access-code configuration (config-stcapp-fac)
----------------------	---

Command History	Release	Modification
	12.4(20)YA	This command was introduced.

Usage Guidelines	This command changes the value of the feature code for SCCP Meet-Me Conference from the default (5) to the specified value. If the length of the <i>keypad-character</i> argument is at least two characters and the leading or ending character of the string is an asterisk (*) or a number sign (#), phone users are not required to dial a prefix to access this feature. Typically, phone users dial a special feature access code (FAC) consisting of a prefix plus a feature code, for example **2. If the feature code is 55#, the phone user dials only 55#, without the FAC prefix, to access the corresponding feature. If you attempt to configure this command with a value that is already configured for another FAC, speed-dial code, or the Redial FSD, you receive a message. If you configure a duplicate code, the system implements the first matching feature in the order of precedence shown in the output of the show stcapp feature codes command. If you attempt to configure this command with a value that precludes or is precluded by another FAC, speed-dial code, or the Redial FSD, you receive a message. If you configure a feature code to a value that precludes or is precluded by another code, the system always executes the call feature with the shortest code and ignores the longer code. For example, #1 will always preclude #12 and #123. You must configure a new value for the precluded code in order to enable phone user access to that feature.
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To display a list of all FACs, use the **show stcapp feature codes** command.

Examples

The following example shows how to change the value of the feature code for SCCP Meet-Me Conference from the default (5). This configuration also changes the value of the prefix for all FACs from the default (**) to ##. With this configuration, a phone user must press ##9 on the phone keypad to cancel all-call forwarding.

```
Router(config)# stcapp feature access-code
Router(config-stcapp-fac)# prefix ##
Router(config-stcapp-fac)# meetme-conference 9
Router(config-stcapp-fac)# exit
```

Related Commands

Command	Description
prefix (stcapp-fac)	Defines the prefix for feature access codes (FACs).
show stcapp feature codes	Displays all feature access codes (FACs).
stcapp feature access-code	Enables feature access codes (FACs) and enters STC application feature access-code configuration mode for changing values of the prefix and features codes from the default.

Feature Information for SCCP Meet-Me Conference

Table 2 lists the features in this document and provides links to specific configuration information.

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

Cisco IOS software images are specific to a Cisco IOS software release, a feature set, and a platform. Use Cisco Feature Navigator to find information about platform support and Cisco IOS software image support. Access Cisco Feature Navigator at <http://www.cisco.com/go/fn>. You must have an account on Cisco.com. If you do not have an account or have forgotten your username or password, click **Cancel** at the login dialog box and follow the instructions that appear.



Note

Table 2 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 2 Feature Information for SCCP Meet-Me Conference

Feature Name	Releases	Feature Information
SCCP Meet-Me Conference	12.4(9th)T	Enables user on an analog SCCP phone to start or join a meet-me conference call. To initiate a meet-me conference, a phone user presses the FAC prefix and feature code for SCCP Meet-Me Conference (default **5) and dials the meet-me conference number. Participants can join the conference by dialing in. For information about this feature, see the “SCCP Meet-Me Conference” section on page 56. For configuration information, see the “How to Configure SCCP Meet-Me Conference” section on page 56. The following commands were introduced by this feature: meetme-conference.