



Cisco 1700 Series Voice Features for Cisco IOS Release 12.3(4)XQ

This document contains a list of Cisco IOS voice features that have been introduced in various Cisco IOS releases and that are now supported on the Cisco 1700 series platforms as part of Cisco IOS Release 12.3(4)XQ.

Feature History for Cisco 1700 Series Voice Features for Cisco IOS Release 12.3(4)XQ

Release	Modification
12.3(4)XQ	Support was added to the Cisco 1750 and Cisco 1760 platforms.

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 Voice Configuration

Software Configuration

For specific software configuration information for the Cisco 1700 series, refer to the following document:



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- [Cisco 1700 Series Router Software Configuration Guide](#)

Hardware Configuration

For specific hardware configuration information for the Cisco 1700 series, refer to the following documents:

- [Cisco 1700 Series Routers](#) documentation index
- [Configuration Notes for Cisco 1700 Series Routers](#)

Information About Cisco 1700 Series Voice Features for Cisco IOS Release 12.3(4)XQ

The following section contains information about VoIP features on the Cisco 1700 series:

- [Supported Voice Features for the Cisco 1700 Series in Cisco IOS Release 12.3\(4\)XQ](#), page 2

Supported Voice Features for the Cisco 1700 Series in Cisco IOS Release 12.3(4)XQ

The following Cisco IOS VoIP feature is supported on the Cisco 1700 series platforms for Cisco IOS Release 12.3(4)XQ:

- [MGCP-Controlled Backhaul of BRI Signaling in Conjunction with Cisco CallManager](#), page 2

MGCP-Controlled Backhaul of BRI Signaling in Conjunction with Cisco CallManager

The Media Gateway Control Protocol (MGCP)-Controlled Backhaul of BRI Signaling in Conjunction with Cisco CallManager feature provides MGCP service to remote-office media gateways that connect by means of ISDN BRI trunks to a centralized Cisco CallManager media gateway controller for the purpose of call processing. D-channel signal information is backhauled to the call manager through a TCP session.

If connection to the primary call manager fails, call processing reverts to a backup call manager until the connection to the primary call is restored. If connections to the primary call manager and all backup call managers fail, call processing reverts to H.323 on the media gateway. When a connection is restored, call processing reverts to the primary or other available call manager and to MGCP.

The MGCP-Controlled Backhaul of BRI Signaling in Conjunction with Cisco CallManager feature offers the following benefits:

- Centralized call-management architecture, enabling a high degree of network control
- Short voice cut-through times
- Graceful evolution to new technology and to Cisco Architecture for Voice, Video, and Integrated Data (AVVID)



Note

Note The MGCP-Controlled Backhaul of BRI Signaling in Conjunction with Cisco CallManager feature requires Cisco CallManager 3.3(2) Feature Patch 1. Subsequent 3.3 feature patches will also support this feature. However, this feature is not yet supported in the mainline Cisco CallManager release. Feature patches are not posted to CCO and distribution is strictly controlled. Contact your Cisco account team for further information.

For more details, refer to the *Cisco IOS MGCP and Related Protocols Configuration Guide* in the [Cisco IOS Voice Configuration Library](#) at the following URL:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios123/123cgcr/vcl.htm>

Additional References

The following sections provide references related to Cisco 1700 series voice features for Cisco IOS Release 12.3(4)XQ:

- [Related Documents, page 3](#)
- [MIBs, page 4](#)
- [Technical Assistance, page 4](#)

Related Documents

Related Topic	Document Title
Information about the Cisco 1700	Cisco 1700 Series Routers documentation index
How to configure the Cisco 1700	Cisco 1700 Series Router Software Configuration Guide Configuration Notes for Cisco 1700 Series Routers
How to use Cisco IOS voice commands	Cisco IOS Voice Command Reference, Release 12.3
How to configure features that use Cisco IOS voice	Cisco IOS Voice Configuration Library, Release 12.3
How to configure MGCP-controlled backhaul of BRI signaling.	MGCP-Controlled Backhaul of BRI Signaling in Conjunction with Cisco CallManager
Information about the Cisco 1700 series	Release Notes for Cisco 1700 Series Routers for Cisco IOS Release 12.3(4)XQ.

MIBs

MIBs	MIBs Link
No new or modified MIBs are supported by this feature, and support for existing MIBs has not been modified by this feature.	To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL: http://www.cisco.com/go/mibs

Technical Assistance

Description	Link
Technical Assistance Center (TAC) home page, containing 30,000 pages of searchable technical content, including links to products, technologies, solutions, technical tips, and tools. Registered Cisco.com users can log in from this page to access even more content.	http://www.cisco.com/public/support/tac/home.shtml

Glossary

AVVID—Cisco Architecture for Voice, Video, and Integrated Data.

BRI—Basic Rate Interface.

MGCP—Media Gateway Control Protocol.

**Note**

For terms not included in this glossary, refer to *Internetworking Terms and Acronyms* at <http://www.cisco.com/univercd/cc/td/doc/cisintwk/ita/index.htm>.

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