



Cisco Unified Communications Manager and Cisco IOS Interoperability Features Roadmap

This guide provides configuration information about Cisco IOS voice features for Cisco Unified Communications Manager (formerly known as Cisco Unified CallManager) and Cisco IOS Interoperability. This first chapter describes how to access Cisco Feature Navigator and lists Cisco Unified Communications Manager and Cisco IOS Interoperability features by Cisco IOS release.



Note

For information about the full set of Cisco IOS voice features, see the entire Cisco IOS Voice Configuration Library—including library preface, glossary, and other documents—at http://www.cisco.com/univercd/cc/td/doc/product/software/ios123/123cgcr/voice_c/vcl.htm.

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Platforms and Cisco IOS Software Images

Finding Feature Information in This Chapter

Your Cisco IOS software release may not support all of the features documented in this chapter. For the latest feature information and caveats, see the release notes for your platform and software release. To reach links to specific feature documentation in this document and to see a list of the releases in which each feature is supported, refer to [Table 1](#).

Finding Support Information for Platforms and Cisco IOS and Catalyst OS 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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Cisco Unified Communications Manager and Cisco IOS Interoperability Feature List

Table 1 lists Cisco Unified Communications Manager and Cisco IOS Interoperability features by Cisco IOS release. Features that are introduced in a particular release are available in that and subsequent releases.

Table 1 Cisco Unified Communications Manager and Cisco IOS Interoperability Features

| Release | Features Introduced in That Release ¹ | Feature Description | Feature Documentation |
|-----------|---|---|---|
| 12.4(6)T | RSVP Agent | Enables Cisco Unified Communications Manager to provide resource reservation for voice and video media to ensure QoS and call admission control (CAC). | “Configuring RSVP Agent” on page 177 of this guide. |
| 12.3(11)T | MCID for Cisco IOS Voice Gateways | Supports the Malicious Call Identification (MCID) supplementary service in Cisco Unified Communications Manager 4.0 (formerly known as Cisco Unified CallManager 4.0). | “Configuring MCID for Cisco IOS Voice Gateways” on page 163 of this guide. |
| | MLPP for Cisco IOS Voice Gateways | Supports Multilevel Precedence and Preemption (MLPP) service, allowing authorized users to preempt lower priority voice calls using Cisco Unified Communications Manager 4.0 (formerly known as Cisco Unified CallManager 4.0). | “Configuring MLPP Service on Cisco MGCP Gateways” section on page 50 of this guide. |
| | Out-of-Band to In-Band DTMF Relay for Cisco IOS Voice Gateways | RFC 2833 capability enabling DTMF relay communication between SIP devices and nonSIP endpoints using Cisco Unified Communications Manager 4.0 (formerly known as Cisco Unified CallManager 4.0). | “Configuring Conferencing and Transcoding (NM-HDV)” section on page 93 of this guide. |
| | QSIG Supplementary Features for Cisco IOS Voice Gateways | Supports Q Signaling (QSIG) over PRI backhaul interfaces on MGCP gateways to Cisco Unified Communications Manager 4.0 (formerly known as Cisco Unified CallManager 4.0). | “Configuring QSIG Supplementary Features for Cisco IOS Voice Gateways” section on page 124 of this guide. |
| 12.3(8)T | Enhanced Conferencing and Transcoding for Voice Gateway Routers | Enables conferencing, transcoding, and MTP support for Cisco voice gateways using the NM-HDV2 and NM-HD high-density voice network modules. | “Configuring Enhanced Conferencing and Transcoding for Voice Gateway Routers” on page 67 of this guide. |

Table 1 *Cisco Unified Communications Manager and Cisco IOS Interoperability Features (continued)*

| Release | Features Introduced in That Release¹ | Feature Description | Feature Documentation |
|------------------|--|--|---|
| 12.3(4)T | MGCP Gateway Support for Cisco Unified Communications Manager Network Specific Facilities | Supports the configuration of the network specific facilities (NSF) ISDN information element in route patterns for Cisco Unified Communications Manager 3.3 (formerly known as Cisco Unified CallManager 3.3). | “Configuring MGCP Gateway Support for Cisco Unified Communications Manager Network Specific Facilities” section on page 120 of this guide. |
| | Customizable Tone Download to Cisco IOS MGCP Gateways from Cisco Unified Communications Manager | Enables the downloading of region-specific tones and associated frequencies, amplitudes, and cadences. | “Configuring Tone Download to MGCP Gateways” on page 145 of this guide. |
| 12.3(2)T | MGCP-Controlled Backhaul of BRI Signaling in Conjunction with Cisco Unified Communications Manager | Enables the transporting of signaling information from remote-office MGCP gateways connected by ISDN BRI trunks to a centralized Cisco Unified Communications Manager. | “Configuring MGCP-Controlled Backhaul of BRI Signaling in Conjunction with Cisco Unified Communications Manager” on page 129 of this guide. |
| 12.2(13)T | Conferencing and Transcoding for Voice Gateway Routers | Enables conferencing and transcoding support for Cisco voice gateways using NM-HDV high-density voice network modules. | “Configuring Enhanced Conferencing and Transcoding for Voice Gateway Routers” on page 67 of this guide. |
| | Update to the Interworking of Cisco MGCP Voice Gateways and Cisco Unified Communications Manager Version 3.2 (formerly known as Cisco CallManager Version 3.2) | Adds support for the mgcp validate domain-name command, which checks whether the domain name or IP address received in MGCP messages match those on the gateway. | “Enabling MGCP on Cisco IOS Gateways” section on page 27 of this guide. |

Table 1 Cisco Unified Communications Manager and Cisco IOS Interoperability Features (continued)

| Release | Features Introduced in That Release ¹ | Feature Description | Feature Documentation |
|-----------|---|---|---|
| 12.2(11)T | Globalized Cadence and Tone for Cisco IOS Gateways | Enables Cisco MGCP gateways to provide localized cadence and tones for Cisco Communications Manager 3.2 (formerly known as Cisco CallManager 3.2), eliminating the need for the cptone command. | “Configuring Tone Download to MGCP Gateways” on page 145 of this guide. |
| | MGCP Gateway Fallback | Provides basic call processing support in H.323 mode when an MGCP gateway loses connectivity to all of its configured Cisco Unified Communications Manager servers. | “Configuring Cisco Unified Communications Manager Switchover and MGCP Gateway Fallback” section on page 30 of this guide. |
| | MGCP Generic Configuration Support for Cisco Unified Communications Manager | Provides single-point configuration using a centralized TFTP server to automatically download XML configuration files to MGCP gateways. | “Enabling Single-Point Configuration for MGCP Gateways” section on page 45 of this guide. |
| | MGCP PRI Backhaul and T1-CAS Support for Cisco Unified Communications Manager | Enables transporting of complete IP-telephony signaling from an ISDN PRI interface on an MGCP gateway to Cisco Unified Communications Manager 3.1 and 3.2 (formerly known as Cisco CallManager 3.1 and 3.2). | “Configuring MGCP PRI Backhaul and T1 CAS Support for Cisco Unified Communications Manager” on page 113 of this guide. |
| | Multicast Music on Hold Support for Cisco Unified Communications Manager | Enables music streaming from a music-on-hold (MOH) server to callers placed on hold using an MGCP gateway and Cisco Unified Communications Manager 3.1 and 3.2 (formerly known as Cisco CallManager 3.1 and 3.2). | “Configuring Multicast Music-on-Hold Support for Cisco Unified Communications Manager” section on page 48 of this guide. |
| 12.1(3)T | MGCP Support for Cisco Unified Communications Manager | Adds MGCP support to Cisco IOS gateways to provide supplementary services, failover, and redundancy support for Cisco Unified Communications Manager 3.0 (formerly known as Cisco CallManager 3.0). | “Configuring Cisco Unified Communications Manager Switchover and MGCP Gateway Fallback” section on page 30 of this guide. |

1. Features that are introduced in a particular release are available in that and subsequent releases.

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