CALL MANAGER EXPRESS V10.5 UPDATES AND REQUIREMENTS

Hardware requirements:
- Supported on Cisco ISR-G2 series including Cisco 800, 2900, 3900, 3900E
- ISR G-2 platforms require at least 1 GB of DRAM

Software requirements:
- Cisco IOS Release 15.4(3)

New software features in current IOS release:

Cisco Unified CME and SRST Licensing
- When purchasing a Cisco Unified CME and SRST permanent license, the permanent license is installed on the device when the product is shipped to you. A permanent license never expires and you will gain access to that particular feature set for the lifetime of the device across all IOS release.

- Collaboration Professional is a new suite of licenses. The Collaboration Professional Suite can be purchased either as a permanent license or an RTU license.

Fast-Track Configuration Approach for Cisco Unified SIP IP Phones
Fast-Track Configuration feature provides a new configuration utility using which you can input the phone characteristics of a new SIP phone model. This new utility allows you to configure the existing SIP line features to the new SIP phone models. In the fast-track configuration, an option is provided to input an existing SIP phone as a reference phone.

Secure SIP Trunk Support on Cisco Unified CME
Prior to Cisco Unified CME Release10, supplementary-services are not supported with the secure SIP trunk on secure SCCP-CME. This feature provides support for the following supplementary services in Secure Real-Time Transport Protocol (SRTP) and SRTP fallback modes on SIP trunk of SCCP-CME:
- Basic secure calls
- Call Hold and Resume
- Call Transfer (Blind & Consult)
- Call Forward (CFA,CFB,CFNA)
- DTMF support

Version Negotiation for Cisco Unified SIP IP Phones in Cisco Unified SRST 10.0
This feature supports different version negotiations between SIP phones and SRST so that more features will be available to the phones during SRST mode for failover.

Cisco Jabber for Microsoft Windows and Client support
Cisco Jabber for Windows client is supported from Cisco Unified CME Release 10 onwards. Cisco Jabber for Windows supports the visual voice mail functionality integrated with the Cisco Unity connection. Cisco Jabber for Windows is a SIP-based soft client with integrated Instant Messaging and presence functionality, and uses the new Client Services Framework 2nd Generation (CSF2G) architecture.

Cisco Jabber Client devices are now supported with a phone-only mode which does not have IM dependency. From Cisco Unified CME-10.5 onwards, the phone-only mode of Cisco Jabber devices are also supported.

Audible Tones
- distinct audible tones will be played for the following:
- Joining and unjoining a voice hunt group using FAC, logins for voice hunt group via Hlog/DND, or FAC.
- The audible tone will be played for ephone hunt group and voice hunt group for SCCP Phones.

Conference Blocking Over Trunk
Conference blocking over trunk is also supported on Cisco SCCP and SIP phones

Table 1 Configuration Modes for Conference Blocking Commands	
Commands	Cisco Unified CME
conference max-length	ephone ephone-template voice register pool voice register template
conference-pattern blocked	ephone ephone-template voice register pool voice register template

Localization Enhancements
Cisco Unified CME 10.5 Release onwards, the System defined locales are deprecated and User-defined locales are recommended.

Multi-VRF Support for CME SIP Phones
You can configure up to five VRF groups for SIP phones registering to Cisco Unified CME.

New Phone Support
Cisco Unified CME 10.5 defines these phones and related firmware loads files.

Cisco Unified IP Phone Support			
Device Type	SCCP Firmware Filename	SIP Firmware Filename	Comments
Cisco ATA-190	--	ATA190 1.1.2(004)	Fast Track Mode
Cisco ATA-186	ATA030203SCCP051201A.zup	--	
Cisco ATA-187	--	9.2.2	
Cisco ATA-188	ATA030203SCCP051201A.zup	--	
Cisco VG350	15.2(1)T	--	
Cisco VG202	15.2(1)T	--	
Cisco VG204	15.2(1)T	--	
Cisco VG224	--	--	
Cisco Unified IP Phone 3905	--	APP3905.9-2-1-0.zz CP3905.9-2-1-0.loads	
Cisco Unified IP Phone 3911/3951	--	BOOT3951.0-0-0-9.zz* DSP3951.0-0-0-2.zz SIP3951.8-1-4a.loads SIP3951.8-1-4a.zz	
Cisco Unified IP Phone 6901/6911	APP6901SCCP.9-2-1-a.zz.sgn APP6911SCCP.9-2-1-a.zz.sgn BFS6911SCCP.9-2-1-a.zz.sgn KNL6901SCCP.9-2-1-a.zz.sgn KNL6911SCCP.9-2-1-a.zz.sgn SCCP6901.9-2-1-a.loads* SCCP6911.9-2-1-a.loads*	APP6901SIP.9-2-1-0.zz.sgn APP6911SIP.9-2-1-0.zz.sgn BFS6911SIP.9-2-1-0.zz.sgn KNL6901SIP.9-2-1-0.zz.sgn KNL6911SIP.9-2-1-0.zz.sgn SIP6901.9-2-1-0.loads SIP6911.9-2-1-0.loads	

Cisco Unified IP Phone 6921/6941/6961	BOOT69xx.0-0-0-14.zz.sgn DSP69xx.0-0-0-8.zz.sgn SCCP69xx.9-2-1-0.loads SCCP69xx.9-2-1-0.zz.sgn	BOOT69xx.0-0-0-14.zz.sgn DSP69xx.0-0-0-8.zz.sgn SIP69xx.9-2-1-0.loads SIP69xx.9-2-1-0.zz.sgn	
Cisco Unified IP Phone 6945	SCCP6945.9-2-1-0.bin1.sgn SCCP6945.9-2-1-0.bin2.sgn SCCP6945.9-2-1-0.bin3.sgn SCCP6945.9-2-1-0.bin4.sgn SCCP6945.9-2-1-0.loads	SIP6945.9-2-1-0.bin1.sgn SIP6945.9-2-1-0.bin2.sgn SIP6945.9-2-1-0.bin3.sgn SIP6945.9-2-1-0.bin4.sgn SIP6945.9-2-1-0.loads	
Cisco Unified IP Phone 7821		10.1(1)SR1	
Cisco Unified IP Phone 7841		10.1(1)SR1	
Cisco Unified IP Phone 7861		10.1(1)SR1	
Cisco Unified IP Phone 7902	CP7902080002SCCP060817A.sbin	--	
Cisco Unified IP Phone 7905	CP7905080002SCCP07040A.sbin (signed) CP7905080002SCCP070409A.zup (unsigned)	CP7905080001SIP060412A.zup (unsigned)	
Cisco Unified IP Phone 7906 and 7911	SCCP11.9-2-1S.loads apps11.9-2-1TH1-13.sbn cnu11.9-2-1TH1-13.sbn cvm11sccp.9-2-1TH1-13.sbn dsp11.9-2-1TH1-13.sbn jar11sccp.9-2-1TH1-13.sbn term06.default.loads term11.default.loads	SIP11.9-2-1S.loads apps11.9-2-1TH1-13.sbn cnu11.9-2-1TH1-13.sbn cvm11sip.9-2-1TH1-13.sbn dsp11.9-2-1TH1-13.sbn jar11sip.9-2-1TH1-13.sbn term06.default.loads term11.default.loads	
Cisco Unified IP Phone 7910	P00405000700.sbn (signed) P00405000700.bin (unsigned)	--	
Cisco Unified IP Phone 7912	CP7912080004SCCP080108A.sbin	CP7912080001SIP060412A.sbin	
Cisco Unified IP Phone Expansion Module 7914	S00105000400.sbn	--	
Cisco Unified IP Phone Expansion Module 7915	B015-1-0-4.sbn	--	
Cisco Unified IP Phone Expansion Module 7916	B016-1-0-4.sbn	--	
Cisco Unified Wireless IP Phone 7920, 7921 and 7925	See software download site for latest firmware version.	--	
Cisco Unified Wireless IP Phone 7926	APPSS-1.4.1SR1.SBN CP7926G-1.4.1SR1.LOADS EA15FW-BF3-220.SBN GUIS-1.4.1SR1.SBN JSYSS-1.4.1SR1.SBN JUIS-1.4.1SR1.SBN SYSS-1.4.1SR1.SBN TNUXRS-1.4.1SR1.SBN TNUXS-1.4.1SR1.SBN WLANS-1.4.1SR1.SBN		
Cisco Unified IP Phone 7931	SCCP31.9-2-1S.loads apps31.9-2-1TH1-13.sbn cnu31.9-2-1TH1-13.sbn cvm31sccp.9-2-1TH1-13.sbn dsp31.9-2-1TH1-13.sbn jar31sccp.9-2-1TH1-13.sbn term31.default.loads	--	
Cisco Unified IP Conference Station 7935	P00503010800.bin	--	
Cisco Unified IP Conference Station 7936 and 7937	See software download site for latest firmware version.	--	
Cisco Unified IP Phone 7940 and 7960	P00308010200.bin P00308010200.loads* P00308010200.sb2 P00308010200.sbn	P003-8-12-00.bin P003-8-12-00.sbn P0S3-8-12-00.loads* P0S3-8-12-00.sb2	

Cisco Unified IP Phone 7941G and 7941G-GE	SCCP41.9-2-1S.loads apps41.9-2-1TH1-13.sbn cnu41.9-2-1TH1-13.sbn cvm41sccp.9-2-1TH1-13.sbn dsp41.9-2-1TH1-13.sbn jar41sccp.9-2-1TH1-13.sbn term41.default.loads term61.default.loads	SIP41.9-2-1S.loads apps41.9-2-1TH1-13.sbn cnu41.9-2-1TH1-13.sbn cvm41sip.9-2-1TH1-13.sbn dsp41.9-2-1TH1-13.sbn jar41sip.9-2-1TH1-13.sbn term41.default.loads term61.default.loads	
Cisco Unified IP Phone 7942G and 7962G	SCCP42.9-2-1S.loads apps42.9-2-1TH1-13.sbn cnu42.9-2-1TH1-13.sbn cvm42sccp.9-2-1TH1-13.sbn dsp42.9-2-1TH1-13.sbn jar42sccp.9-2-1TH1-13.sbn term42.default.loads term62.default.loads	SIP42.9-2-1S.loads apps42.9-2-1TH1-13.sbn cnu42.9-2-1TH1-13.sbn cvm42sip.9-2-1TH1-13.sbn dsp42.9-2-1TH1-13.sbn jar42sip.9-2-1TH1-13.sbn term42.default.loads term62.default.loads	
Cisco Unified IP Phone 7945G and 7965G	SCCP45.9-2-1S.loads apps45.9-2-1TH1-13.sbn cnu45.9-2-1TH1-13.sbn cvm45sccp.9-2-1TH1-13.sbn dsp45.9-2-1TH1-13.sbn jar45sccp.9-2-1TH1-13.sbn term45.default.loads term65.default.loads	SIP45.9-2-1S.loads apps45.9-2-1TH1-13.sbn cnu45.9-2-1TH1-13.sbn cvm45sip.9-2-1TH1-13.sbn dsp45.9-2-1TH1-13.sbn jar45sip.9-2-1TH1-13.sbn term45.default.loads term65.default.loads	
Cisco Unified IP Phone 7961G and 7961G-GE	SCCP41.9-2-1S.loads apps41.9-2-1TH1-13.sbn cnu41.9-2-1TH1-13.sbn cvm41sccp.9-2-1TH1-13.sbn dsp41.9-2-1TH1-13.sbn jar41sccp.9-2-1TH1-13.sbn term41.default.loads term61.default.loads	SIP41.9-2-1S.loads apps41.9-2-1TH1-13.sbn cnu41.9-2-1TH1-13.sbn cvm41sip.9-2-1TH1-13.sbn dsp41.9-2-1TH1-13.sbn jar41sip.9-2-1TH1-13.sbn term41.default.loads term61.default.loads	
Cisco Unified IP Phone 7970G and 7971G	SCCP70.9-2-1S.loads apps70.9-2-1TH1-13.sbn cnu70.9-2-1TH1-13.sbn cvm70sccp.9-2-1TH1-13.sbn dsp70.9-2-1TH1-13.sbn jar70sccp.9-2-1TH1-13.sbn term70.default.loads term71.default.loads	SIP70.9-2-1S.loads apps70.9-2-1TH1-13.sbn cnu70.9-2-1TH1-13.sbn cvm70sip.9-2-1TH1-13.sbn dsp70.9-2-1TH1-13.sbn jar70sip.9-2-1TH1-13.sbn term70.default.loads term71.default.loads	
Cisco Unified IP Phone 7975G	SCCP75.9-2-1S.loads apps75.9-2-1TH1-13.sbn cnu75.9-2-1TH1-13.sbn cvm75sccp.9-2-1TH1-13.sbn dsp75.9-2-1TH1-13.sbn jar75sccp.9-2-1TH1-13.sbn term75.default.loads	SIP75.9-2-1S.loads apps75.9-2-1TH1-13.sbn cnu75.9-2-1TH1-13.sbn cvm75sip.9-2-1TH1-13.sbn dsp75.9-2-1TH1-13.sbn jar75sip.9-2-1TH1-13.sbn term75.default.loads	
Cisco Unified IP Phone 7985G	See software download site for latest firmware version.	--	
Cisco Unified IP Phone 8831	--	SIP8831.9-3-3-5	Requires IOS 15.4(1)T and later Fast Track Support
Cisco Unified IP Phone 8941/8945	BOOT894x.0-0-0-9.bin.sgn SCCP894x.9-2-2-0.bin1.sgn SCCP894x.9-2-2-0.bin2.sgn SCCP894x.9-2-2-0.bin3.sgn SCCP894x.9-2-2-0.bin4.sgn SCCP894x.9-2-2-0.bin5.sgn SCCP894x.9-2-2-0.bin6.sgn SCCP894x.9-2-2-0.bin7.sgn SCCP894x.9-2-2-0.bin8.sgn SCCP894x.9-2-2-0.loads	BOOT894x.0-0-0-9.bin.sgn SIP894x.9-2-2-0.bin1.sgn SIP894x.9-2-2-0.bin2.sgn SIP894x.9-2-2-0.bin3.sgn SIP894x.9-2-2-0.bin4.sgn SIP894x.9-2-2-0.bin5.sgn SIP894x.9-2-2-0.bin6.sgn SIP894x.9-2-2-0.bin7.sgn SIP894x.9-2-2-0.bin8.sgn SIP894x.9-2-2-0.bin9.sgn SIP894x.9-2-2-0.loads	

Cisco Unified IP Phone 8961	--	dkern8961.100609R2-9-2-2SR1-9.sebn kern8961.9-2-2SR1-9.sebn rootfs8961.9-2-2SR1-9.sebn sboot8961.031610R1-9-2-2SR1-9.sebn sip8961.9-2-2SR1-9.loads skern8961.022809R2-9-2-2SR1-9.sebn	
Cisco Unified IP Phone 9951	--	dkern9951.100609R2-9-2-2SR1-9.sebn kern9951.9-2-2SR1-9.sebn rootfs9951.9-2-2SR1-9.sebn sboot9951.031610R1-9-2-2SR1-9.sebn sip9951.9-2-2SR1-9.loads skern9951.022809R2-9-2-2SR1-9.sebn	
Cisco Unified IP Phone 9971	--	dkern9971.100609R2-9-2-2SR1-9.sebn kern9971.9-2-2SR1-9.sebn rootfs9971.9-2-2SR1-9.sebn sboot9971.031610R1-9-2-2SR1-9.sebn sip9971.9-2-2SR1-9.loads skern9971.022809R2-9-2-2SR1-9.sebn	
Cisco DX650	--	10.1(2.41)	
Cisco Jabber for Windows (Full UC Mode)	--	Jabber - 9.1.0/ WIN-7 64 bit and WIN-XP SP3, 32 bit	
Cisco Jabber for Windows (Phone Only Mode)	--	9.2.1	
Cisco Jabber for Mac	--	9.2.1	
KEM Module	--	SIP9971.9-2-3-27.loads SIP9951.9-2-3-27.loads SIP8961.9-2-3-27.loads	Sidecar for 99xx phone types
Cisco Unified Video Advantage	Cisco Unified Video Advantage 1.0(2), 2.0 and higher supported with Cisco Unified IP Phone 7931, 794X, 796X, and 797X, and Cisco IP Communicator.		

Viewing Active Parked Calls
Viewing the list of active parked calls on SIP and SCCP phones using the phone menu by pressing the service button on the phone and navigating to My Phone Apps > Park List.

Enhancement Support for Voice Hunt Group Agent
Support for voice hunt group is enhanced to support login or logout and join or unjoining from a voice hunt group

Call Park Recall Enhancement
Ring tones for park recall and incoming calls were the same. New ring tones are introduced for park recall to assist the user to distinctly identify the type of call.