Cisco Unified CME Features Roadmap

This roadmap lists the features that are documented in the *Cisco Unified Communications Manager Express System Administrator Guide* and maps them to the modules in which they appear.

Note The documentation set for this product strives to use bias-free language. For purposes of this documentation set, bias-free is defined as language that does not imply discrimination based on age, disability, gender, racial identity, ethnic identity, sexual orientation, socioeconomic status, and intersectionality. Exceptions may be present in the documentation due to language that is hardcoded in the user interfaces of the product software, language used based on RFP documentation, or language that is used by a referenced third-party product.

Feature and Release Support

Table 1: Supported Cisco Unified CME Features, on page 1 lists the Cisco Unified Communications Manager Express (Cisco Unified CME) version that introduced support for a given feature. Unless noted otherwise, subsequent versions of Cisco Unified CME software also support that feature. Only features that were introduced or modified in Cisco Unified CME 4.0 or a later version appear in the table. *Not all features may be supported in your Cisco Unified CME software version*.

To determine the correct Cisco IOS release to support a specific Cisco Unified CME version, see Cisco Unified CME and Cisco IOS Software Version Compatibility Matrix.

Use Cisco Feature Navigator to find information about platform support and Cisco IOS software image support. An account on Cisco.com is not required.

Table 1: Supported Cisco Unified CME Features

Version	Feature Name	Feature Description	Where Documented
Unified CME 14.1			
	SFTP CDR transfer	Allows transfer of CME CDRs using SFTP.	CDR Accounting Overview Configuring File Accounting gw-accounting

Version	Feature Name	Feature Description	Where Documented
	Support for Unified CME on Cisco 8200 and C8300 Edge Series Platforms	From Cisco IOS XE Bengaluru 17.6.1a onwards, Unified CME is supported on Cisco 8200, Cisco 8200L, and C8300 Edge platforms.	Unified CME 14.1 Supported Firmware, Platforms, Memory, and Voice Products
	Support for Cisco 1100 Platform	From Cisco IOS XE Bengaluru 17.5.1a onwards Unified CME is supported on Cisco 1100 Integrated Services Router (ISR)	Unified CME 14.1 Supported Firmware, Platforms, Memory, and Voice Products
	Smart Licensing Using Policy	From Cisco IOS XE Bengaluru 17.4.1a onwards, support is introduced for tracking license usage that is based on the historical usage data.	Licensing
	Support for C8000V	Cisco IOS XE Bengaluru 17.4.1a onwards, support is introduced for Virtual CME on C8000V series.	Virtual CME Overview
Unified CME 12.6			
	Unified CME Password Policy and Encryption	Support for Unified CME Password Policy and Encryption.	Unified CME Password Policy
	Simple Network Management Protocol Version 3 (SNMPv3) on Unified CME	Support for SNMP Version 3 (SNMPv3) on Unified CME.	Simple Network Management Protocol (SNMP) Support for Unified CME
	Toll Fraud Prevention for Line Side SIP on Unified CME	Support for Toll Fraud Prevention for Line Side SIP on Unified CME.	Toll Fraud Prevention for SIP Line Side on Unified CME
	GUI on Unified CME	End of Support for GUI on Unified CME.	Unified CME Graphical User Interface Deprecation

Version	Feature Name	Feature Description	Where Documented
	Computer Telephony Integration (CTI) Computer Supported Telecommunications Applications (CSTA) Protocol Suite on Unified CME	End of Support for CTI CSTA Protocol Suite on Unified CME.	CTI CSTA Protocol Suite Deprecation
Unified CME 12.5			
	Virtual CME on Cisco Cloud Services Router 1000V Series	Support for Virtual CME on Cisco Cloud Services Router 1000V Series.	Virtual CME
	Key Expansion Module (KEM)s on Cisco 8800 Series IP Phones on Unified CME	Support for CP-8800-A-KEM) and CP-8800-V-KEM Modules with Cisco 8800 Series IP Phones on Unified CME.	KEM Support for Cisco Unified SIP IP Phones
	Cisco ATA 191 on Unified CME	Native support for Cisco ATA 191 on Unified CME.	Cisco ATAs in SIP Mode
	Cisco Jabber on Unified CME	Support for Cisco Jabber 12.1.0 in Phone-only Mode on Unified CME.	Support for Cisco Jabber
Unified CME 12.3			
	Enhanced Line Mode for Cisco IP Phone 8800 Series on Unified CME	Support for Enhanced Line Mode on Cisco 4000 Series Integrated Services Routers for Cisco IP Conference Phone 8800 Series.	Enhanced Line Mode
	Cisco IP Conference Phone 7832 and Cisco IP Conference Phone 8832 with Unified CME	Support for Cisco IP Conference Phone 7832 and Cisco IP Conference Phone 8832 on Unified CME Support for new Softkeys on Unified CME 12.3 and later releases.	Softkeys on IP Phones
Unified CME 12.2			

Version	Feature Name	Feature Description	Where Documented
	Music On Hold from Live Feed on Unified CME	Support for Music On Hold from live feed on Unified CME (Cisco 4000 Series Integrated Services Routers)	Music on Hold from a Live Feed on Cisco 4000 Series Integrated Services Routers
	Voice Hunt Group Enhancements on Unified CME	Support for Voice Hunt Group with Shared Lines and Mixed Shared Lines on Unified CME Support for Voice Class Codec (VCC) for SIP Shared Lines on Unified CME Support for All Agents Logged Out Message Display on SIP Phones	Hunt Groups Shared Lines with Voice Class Codec Support All Agents Logged Out Display on SIP Phones
Unified CME 12.1			
	No New features added in the Unified CME 12.1 Release.		
Unified CME 12.0			
	New Phone Support	As part of Unified CME Release 12.0, new phone support for Cisco IP Phones 8821, 8845, 8865 was introduced for Cisco Integrated Services Router Generation 2. The support is introduced for T-Train Release Version, 15.7(3)M and later.	Phone Feature Support Guide for Cisco Unified CME, Cisco Unified SRST, Cisco Unified E-SRST, and Cisco Unified Secure SRST
	Idle URL for SIP Phones	Support for Idle URL feature was introduced for SIP Phones, as part of Unified CME Release 12.0.	Information About Cisco Unified IP Phone Options
	Calling Number Local	Support to configure Calling Number Local under voice register global configuration mode was introduced as part of Unified CME Release 12.0.	Calling Number Local

Version	Feature Name	Feature Description	Where Documented
	Called-Name Display (Dialed Number Identification Service)	Support to configure Dialed Number Identification Service for phones that are configured under a voice hunt group was introduced as part of Unified CME Release 12.0.	Called-Name Display
	cBarge on Mixed Shared Lines	Support for cBarge functionality in a mixed deployment scenario was introduced as part of Unified CME Release 12.0.	Barge and Privacy
Unified CME 11.7			
11.7	New Phone Support	As part of Unified CME Release 11.7, new phone support for Cisco IP Phones 8821, 8845, 8865 was introduced. With this addition, Unified CME supports all phone models in Cisco IP Phone 7800 Series and Cisco IP Phone 8800 Series.	Phone Feature Support Guide for Unified CME, Unified SRST, Unified E-SRST, and Unified Secure SRST
	Transcoding support for Music On Hold (MOH)	Transcoding for MOH is supported on Cisco 4000 Series Integrated Services Router from Cisco Unified CME Release 11.7 onwards.	Music on Hold
	Support for Conferencing on Unified CME	Provides support for conferencing on Cisco 4000 Series Integrated Services Router from Cisco Unified CME Release 11.7 onwards.	Conferencing
	Support for Cisco Smart License	Provides support for Smart Licensing apart from the existing CSL licensing model from Cisco Unified CME Release 11.7 onwards.	Cisco Unified CME Overview
Unified CME 11.6			

Version	Feature Name	Feature Description	Where Documented
11.6	Extension Assigner for SIP Phones	Provides support for automatically synchronizing configuration changes to backup systems for SIP Phones.	Create Phone Configurations Using Extension Assigner
	Call Transfer Recall for SIP Phones	Support for call transfer recall functionality on SIP phones.	Call Transfer Recall on SIP Phones
	Secondary Unified CME for SIP Phones	**Failover to Redundant Router**—Sites can be set up with a primary and secondary Cisco Unified CME router to provide redundant Cisco Unified CME capability. SIP Phones automatically register at the secondary router if the primary router fails and later rehome to the primary router when it is operational again.	Redundant Cisco Unified CME Router for SIP Phones
	VHG Enhancements	Support for voice hunt group features such as Hlog support on SIP phone, DND Softkey as Hlog, Members Logout, Auto Logout, Presentation of calls, and Dynamic Agent Join or Unjoin Status message display on SIP phones.	Call Coverage Features Customize Softkeys
	Night Service (Mixed Mode)	Support for night service functionality in a mixed deployment scenario.	Call Coverage Features
	Secondary Dial Tone for SIP Phones	Support for Secondary Dial Tone on SIP Phones.	Configure Dial Plans
	BACD with Loopback call flows	Support to invoke B-ACD services when calling from a local SIP, SCCP or FXS phone.	http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucme/bacd/configuration/guide/cme40tcl/40bacd.html

Version	Feature Name	Feature Description	Where Documented
	Transcoding Support on Unified CME	Support for LTI-based Transcoding on Cisco 4000 Series Integrated Services Router.	Transcoding Support
Cisco Unified CME 11.5			
11.5	Auto Registration	Support for auto registration of SIP phones on Unified CME. Introduced the CLI command auto-register in voice register global mode to enable automatic registration of SIP phones on Unified CME.	Auto Registration of SIP Phones on Cisco Unified CME
	Night Service	Support for night service functionality on SIP phones.	Night Service
	B-ACD	Support for B-ACD functionality on SIP phones.	Cisco Unified CME B-ACD and Tcl Call-Handling Applications
Cisco Unified CME 11.0			
11.0	New Phone Support	Lists the new phones that have been provided with support on Unified CME: • Support for Cisco IP Phone 7811 • Support for Cisco IP Phones 8811, 8831, 8841, 8851, 8851NR, 8861 • Support for Cisco ATA-190 Phones	Phone Feature Support Guide for Unified CME, Unified SRST, Unified E-SRST, and Unified Secure SRST
Cisco Unified CME 10.5			

Version	Feature Name	Feature Description	Where Documented
10.5	New Phone Support	Lists the new phones that have been provided with support on Unified CME: • Support for Cisco Unified 78xx Series SIP IP Phones • Support for Cisco DX650	Phone Feature Support Guide for Unified CME, Unified SRST, Unified E-SRST, and Unified Secure SRST
	Example for Monitoring the Status of Key Expansion Modules	Monitoring the Status of Key Expansion Modules: Example section has been updated to include support the show summary commands.	Example for Monitoring the Status of Key Expansion Modules
	Monitoring and Maintaining Cisco Unified CME	Monitoring and Maintaining Cisco Unified CME table has been updated to include the new show commands introduced in this release.	Cisco IOS Commands for Monitoring and Maintaining Cisco Unified CME
	Localization Enhancements in Cisco Unified CME	Localization Enhancement feature recommends User-Defines locales.	Localization Enhancements in Cisco Unified CME
	Fast Dial	Fast Dial range has been increased to 100.	Enable a Personal Speed Dial Menu on SCCP Phones
	Viewing Active Parked Calls	Viewing Active Parked Calls feature enables the user to view the list of active parked calls on SIP and SCCP phones.	View Active Parked Calls
	Distinctive Ring	Distinctive Ring feature enables the user to distinctly identify the type of call.	Call Park Recall Enhancement
	Viewing and Joining Voice Hunt Groups	Viewing and Joining Voice Hunt Groups feature enables the user to view voice hunt group related information on SIP and SCCP phones.	View and Join for Voice Hunt Groups

Version	Feature Name	Feature Description	Where Documented
	Dynamically Joining or Unjoining Multiple Voice Hunt Groups	Dynamically Joining or Unjoining Multiple Voice Hunt Groups feature provides support for phones to dynamically join the voice hunt groups is added.	Dynamically Join or Unjoin Multiple Voice Hunt Groups
	Audible Tone	The Audible Tone feature has been introduced on SCCP phones to enable the user to receive a confirmation on successful log in or log out from an ephone hunt group and voice hunt group.	Enable Audible Tone for Successful Login and Logout of a Hunt Group on SCCP Phone
	Cisco Jabber Client Support on CME	A new phone type, 'Jabber-CSF-Client' has been added to configure the Cisco Jabber client under voice register pool.	Cisco Jabber Client Support on CME
	Multi VRF Support	Multi VRF Support feature has been enhanced to provide support for SIP phones.	Example for Configuring Multi- VRF Support for Cisco Unified CME SIP Phones
Cisco Unified CME 10.0			
10.0	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.	Fast-Track Configuration Approach for Cisco Unified SIP IP Phones
	Cisco Jabber for Microsoft Windows	Cisco Jabber for Windows client is supported from Cisco Unified CME Release 10 onwards.	Cisco Jabber Client Support on CME
	Cisco Unified CME-SRST License	Cisco Unified CME-SRST permanent license has been introduced along with new license package called Collaboration Professional Suite.	Licensing

Version	Feature Name	Feature Description	Where Documented
	Secure SIP Trunk Support on Cisco Unified CME	Supports supplementary services in secure SRTP and SRTP fallback modes on SIP trunk of the SCCP Cisco Unified CME.	Secure SIP Trunk Support on Cisco Unified CME
Cisco Unified CME 9.5			
9.5	After-hours Pattern Blocking Support for Regular Expressions	Support for after-hours pattern blocking is extended to regular expression patterns for dial plans on Cisco Unified SIP and Cisco Unified SCCP IP phones.	After-Hours Pattern-Blocking Support for Regular Expressions
	Call Park Recall Enhancement	The recall force keyword is added to the **call-park system** command in telephony-service configuration mode to allow a user to force the recall or transfer of a parked call to the phone that put the call in park.	Call Park Recall Enhancement
	Display Support for Name of Called Voice Hunt Groups	The display of the name of the called voice-hunt-group pilot is supported by configuring the following command in voice hunt-group or ephone-hunt configuration mode: [**no**] **name** *primary pilot name* [**secondary** *secondary pilot name*]	Display Support for the Name of a Called Voice Hunt-Group

Version	Feature Name	Feature Description	Where Documented
	Enhancement of Support for Hunt Group Agent Statistics	Support for hunt group agent statistics of Cisco Unified SCCP IP phones is enhanced to include the following information: • Total logged in time—On an hourly basis, displays the duration (in sec) since a specific agent logged into a hunt group. • Total logged out time—On an hourly basis, displays the duration (in sec) since a specific agent logged out of a hunt group.	Enhancement of Support for Ephone-Hunt Group Agent Statistics
	HTTPS Support in Cisco Unified CME	With Hypertext Transfer Protocol Secure (HTTPS) support in Cisco Unified CME 9.5 and later versions, these services can be invoked using an HTTPS connection from the phones to Cisco Unified CME.	HTTPS Provisioning For Cisco Unified IP Phones
	Localization Enhancements in Cisco Unified CME	Canadian French is supported as a user-defined locale on Cisco Unified SIP IP phones and Cisco Unified SCCP IP phones when the correct locale package is installed.	Localization Enhancements in Cisco Unified CME
	Preventing Local-Call Forwarding to Final Agent in Voice Hunt Groups	Local calls are prevented from being forwarded to the final destination using the **no forward local-calls to-final** command in parallel or sequential voice hunt-group configuration mode.	Prevent Local Call Forwarding to the Final Agent in a Voice Hunt-Groups

Version	Feature Name	Feature Description	Where Documented
	Support for Voice Hunt Group Descriptions	A description can be specified for a voice hunt group using the **description** command in voice hunt-group configuration mode.	Support for Voice Hunt Group Descriptions
	Trunk to Trunk Transfer Blocking for Toll Fraud Prevention on Cisco Unified SIP IP Phones Cisco Unified CME 9.0	Trunk to trunk transfer blocking for toll bypass fraud prevention is supported on Cisco Unified Session Initiation Protocol (SIP) IP phones also.	Trunk-to-Trunk Transfer Blocking for Toll Fraud Prevention on Cisco Unified SIP IP Phones
Cisco Unified CME 9.0			
9.1	KEM Support for Cisco Unified 8961, 9951, and 9971 SIP IP Phones	Increases line key and feature key appearances, speed dials, or programmable buttons on Cisco Unified SIP IP phones.	
9.0	Cisco ATA-187	Supports T.38 fax relay and fax pass-through on Cisco ATA-187.	Configure Cisco ATA Support in SCCP Mode
	Cisco Unified SIP IP Phones	Adds SIP support for the following phone types: • Cisco Unified 6901 and 6911 IP Phones • Cisco Unified 6921, 6941, 6945, and 6961 IP Phones • Cisco Unified 8941 and 8945 IP Phones	Phone Feature Support Guide for Unified CME, Unified SRST, Unified E-SRST, and Unified Secure SRST

Version	Feature Name	Feature Description	Where Documented
	Localization Enhancements for Cisco Unified SIP IP Phones	Provides the following enhanced localization support for Cisco Unified SIP IP phones: • Localization support for Cisco Unified 6941 and 6945 SIP IP Phones. • Locale installer that supports a single procedure for all Cisco Unified SIP IP phones.	Localization Support for Cisco Unified SIP IP Phones
	MIB Support for Extension Mobility in Cisco Unified SCCP IP Phones	Adds new MIB objects to monitor Cisco Unified SCCP IP Extension Mobility (EM) phones.	MIB Support for Extension Mobility in Cisco Unified SCCP IP Phones
	Mixed Shared Lines	Allows Cisco Unified SIP and SCCP IP phones to share a common directory number.	Mixed Shared Lines
	Multiple Calls Per Line	Overcomes the limitation on the maximum number of calls per line.	Multiple Calls Per Line
	My Phone Apps for Cisco Unified SIP IP Phones	Adds support for My Phone Apps feature on Cisco Unified SIP IP phones.	My Phone Apps for Cisco Unified SIP IP Phones
	Olson Timezone	Eliminates the need to update time zone commands or phone loads to accommodate a new country with a new time zone or an existing country whose city or state wants to change their time zone, using the **olsontimezone** command in either telephony-service or voice register global configuration mode.	Olson Timezones

Version	Feature Name	Feature Description	Where Documented
	Paging Group Support for Cisco Unified SIP IP Phones	Allows you to specify a paging-dn tag and dial the paging extension number to page the Cisco Unified SIP IP phone associated with the paging-dn tag or paging group using the **paging-dn** command in voice register pool or voice register template configuration mode.	Paging Group Support for Cisco Unified SIP IP Phones
	Programmable Line Keys for Cisco Unified SIP IP Phones	Adds support for softkeys as programmable line keys on Cisco Unified 6911, 6921, 6941, 6945, 6961, 8941, and 8945 SIP IP Phones.	Programmable Line Keys (PLK)
	Single Number Reach for Cisco Unified SIP IP Phones	Supports the following SNR features for Cisco Unified SIP IP phones: • Enable and disable the EM feature. • Manual pull back of a call on a mobile phone. • Send a call to a mobile PSTN phone. • Send a call to a mobile phone regardless of whether the SNR phone is the originating or the terminating side.	Single Number Reach for Cisco Unified SIP IP Phones
	Unsolicited Notify for Shared Line and Presence Events for Cisco Unified SIP IP Phones	Allows the Unsolicited Notify mechanism to reduce network traffic during Cisco Unified SIP IP phone registration using the bulk registration method.	Unsolicited Notify for Shared Line and Presence Events for Cisco Unified SIP IP Phones

Version	Feature Name	Feature Description	Where Documented
	Virtual SNR DN for Cisco Unified SCCP IP Phones	Allows a call to be made to a virtual SNR DN and allows the SNR feature to be launched even when the SNR DN is not associated with any phone.	Virtual SNR DN for Cisco Unified SCCP IP Phones
	Voice Hunt Group Enhancements	Allows all ephone and voice hunt group call statistics to be written to a file using the **hunt-group statistics write-all** command.	Hunt Groups
Cisco Unified CME 8.8			
	CTI CSTA Protocol Suite Enhancement	Enables the dial-via-office functionality from computer-based CSTA client applications and adds support to CSTA services and events.	CTI CSTA Protocol Suite Deprecation
	HFS Download Support for IP Phone Firmware and Configuration Files	Provides download support for SIP and SCCP IP phone firmware, scripts, midlets, and configuration files using the HTTP File-Fetch Server (HFS) infrastructure.	HFS Download Support for IP Phone Firmware and Configuration Files
	HTTPS Provisioning for Cisco Unified IP Phones	Allows you to import an IP phone's trusted certificate to an IP phone's CTL file using the **import certificate** command.	HTTPS support for an External Server
	Localization Enhancement	Adds localization support for Cisco Unified 3905 SIP and Cisco Unified 6945, 8941, and 8945 SCCP IP Phones.	System-Defined Locales
	Programmable Line Keys Enhancement	Adds support for softkeys as programmable line keys on Cisco Unified 6945, 8941, and 8945 SCCP IP Phones.	Programmable Line Keys (PLK)

Version	Feature Name	Feature Description	Where Documented
	Real-Time Transport Protocol Call Information Display Enhancement	Allows you to display information on active RTP calls using the **show ephone rtp connections** command. The output from this command provides an overview of all the connections in the system, narrowing the criteria for debugging pulse code modulation and Cisco Unified CME packets without a sniffer.	Real-Time Transport Protocol Call Information Display Enhancement
	SIP Intercom	Adds intercom support to Cisco Unified SIP phones connected to a Cisco Unified CME system.	SIP Intercom
	Support for Cisco Unified 3905 SIP IP Phones	Adds support for SIP phones connected to a Cisco Unified CME system.	Phone Feature Support Guide for Unified CME, Unified SRST, Unified E-SRST, and Unified Secure SRST
	Support for Cisco Unified 6945, 8941, and 8945 SCCP IP Phones	Adds support for SCCP phones connected to a Cisco Unified CME system.	Phone Feature Support Guide for Unified CME, Unified SRST, Unified E-SRST, and Unified Secure SRST
Cisco Unified CME 8.6			
8.6	Bulk Registration Support for SIP Phones	Adds support for SIP phone bulk registration.	Bulk Registration Support for SIP Phones

Version	Feature Name	Feature Description	Where Documented
	Clear Directory Entries in Missed/Placed/Received Calls List Support for iPhone and iPod Touch Softphone Client	Adds ability to clear phone call logs. Adds support for SIP client software for iPhone and iPod Touch.	Clear Directory Entries Support for Cisco Jabber
	Enhancement for Call-Forward Unregistered	Adds support for the CFU feature on SIP IP phones using the **call-forward b2bua unregistered** command under voice register dn tag.	Call Forward Unregistered
	Extension Mobility Support for SIP phone	Adds SIP phone support to extension mobility.	Extension Mobility for SIP Phones Enhancement
	Increase in the Number of Translation Rules	Increases the number of translation rules from 15 to 100 rules per translation rule table.	Define Translation Rules for Callback-Number on SIP Phones
	Localization Support for SIP IP Phones	Adds localization support for SIP IP phones.	Localization Support for Cisco Unified SIP IP Phones Multiple Locales Configure Localization Support on SCCP Phones Configure Multiple Locales on SIP Phones
	SSL VPN SUPPORT on CUCME with DTLS	Adds enhanced SSL VPN support. Cisco Unified SCCP IP phones such as 7945, 7965, and 7975 located outside of the corporate network are able to register to Cisco Unified CME through an SSL VPN connection.	SSL VPN Support on Cisco Unified CME with DTLS Configure SSL VPN Client with DTLS on Cisco Unified CME as VPN Headend
	Support for 7926G Wireless SCCP IP Phone	Adds support for 7926G Wireless SCCP IP Phone.	Phone Feature Support Guide for Unified CME, Unified SRST, Unified E-SRST, and Unified Secure SRST
	Video Conferencing and Transcoding		Transcoding Resources

Version	Feature Name	Feature Description	Where Documented
		Allows you to use on-board Digital Signal Processor resources (PVDM3) to facilitate adhoc or meet me video conference calls.	
	Video and Camera Support for Cisco Unified IP Phones 8961, 9951, and 9971	Adds video support for IP phones 8961, 9951, and 9971.	SIP Endpoint Video and Camera Support for Cisco Unified IP Phones 8961, 9951, and 9971
Cisco Unified CME 8.5			

Version	Feature Name	Feature Description	Where Documented
8.5	Customized Button Layout	Allows you to customize the display order of various button types on a phone using the button layout feature. The button layout feature allows you to customize the display of the following button types: • Line buttons • Speed Dial buttons • BLF Speed Dial buttons • Feature Buttons • ServiceURL buttons	Configure Button Layout on SCCP Phones Configure Button Layout on SIP Phones
	Customized Phone User Interface Services	Allows to customize the availability of individual service items such as Extension Mobility, My Phone Apps, and Single Number Reach (SNR) on a phone's user interface by assigning an individual service item to a button using the Programmable Line Key (PLK) **url-button** command.	Customized Phone User Interface Services
	E.164 Enhancements	Allows to present a phone number in + E.164 telephone numbering format. E.164 is an International Telecommunication Union (ITU-T) recommendation that defines the international public telecommunication numbering plan used in the PSTN and other data networks.	E .164 Enhancements
	Enhancement to Voice Hunt Group Restriction		Configure Call Coverage Features

Version	Feature Name	Feature Description	Where Documented
		Allows you to ignore the timeout value for voice hunt group member and the call forward no answer timer when **call forward noan** command is configured in a voice hunt group.	
	Feature Policy Softkey Control	Allows you to control softkeys on the Cisco Unified SIP IP Phones 8961, 9951, and 9971 using the feature policy template. The feature policy template allows you to enable and disable a list of feature softkeys on Cisco Unified SIP IP Phones 8961, 9951, and 9971.	Feature Policy Softkey Control
	Forced Authorization Code	Allows you to manage call access and call accounting through the Forced Authorization Code (FAC) feature. The FAC feature regulates the type of call a certain caller may place and forces the caller to enter a valid authorization code on the phone before the call is placed. FAC allows you to track callers dialing non-toll-free numbers, long distance numbers, and also for accounting and billing purposes.	Forced Authorization Code
	Immediate Divert for SIP Phones		Configure Immediate Divert (iDivert) Softkey on SIP Phone

Version	Feature Name	Feature Description	Where Documented
		Allows you to immediately divert a call to a voice messaging system. You can divert a call to a voice messaging system by pressing the iDivert softkey on Cisco Unified SIP IP phones, such as 7940, 7040G, 7960 G, 7945, 7965, 7975, 8961, 9951, and 9971, with voice messaging systems (Cisco Unity Express or Cisco Unity).	
	Media Flow Around Support for SIP-SIP Trunk Calls	Eliminates the need to terminate RTP and re-originate on Cisco Unified CME through the media flow around feature, reducing media switching latency and increasing the call handling capacity for Cisco Unified CME SIP trunks.	Enable Media Flow Mode on SIP Trunks
	Overlap Dialing Support for SIP and SCCP IP Phones	Enables overlap dialing on SCCP and SIP IP phones such as, 7942, 7945, 7962, 7965, 7970, 7971, and 7975.	Example for Configuring Overlap Dialing for SCCP IP Phones
	Park Monitor	Allows you to park a call and monitor the status of the parked call until the parked call is retrieved or abandoned. When a Cisco Unified SIP IP Phone 8961, 9951, or 9971 parks a call using the **park** softkey, the park monitoring feature monitors the status of the parked call.	Park Monitor
	Phone User Interface for BLF-Speed-Dial		Enable BLF-Speed-Dial Menu

Version	Feature Name	Feature Description	Where Documented
		Allows extension mobility (EM) users to configure IP-based Busy Lamp Field (BLF)-speed-dial settings directly on the phone through the Services feature button. BLF-speed-dial settings are added or modified (changed or deleted) on the phone using a menu available with the Services button.	
	Programmable Line Keys (PLK)	Allows you to program feature buttons or URL services button on phone's line keys. You can configure line keys as line buttons, speed dials, BLF speed dials, feature buttons, and URL buttons.	Programmable Line Keys (PLK)
	SNR Enhancements	Adds enhanced Single Number Reach feature for Cisco Unified CME: • Hardware Conference • Call Park, Call Pickup, and Call Retrieval • Answer Too Soon Timer • SNR Phone Stops Ringing After Mobile Phone Answers	Configure Single Number Reach Enhancements on SCCP Phones
	SSL VPN Client Support on SCCP IP Phones	Enables Secure Sockets Layer (SSL) Virtual Private Network (VPN) on SCCP IP phones such as 7945, 7965, and 7975.	SSL VPN Client for SCCP IP Phones
	XML API for Cisco Unified CME		XML API for Cisco Unified CME

Version	Feature Name	Feature Description	Where Documented
		Adds support for eXtensible Markup Language (XML) Application Programming Interface (API).	
Cisco Unified CME 8.1			
8.1	Toll Fraud Prevention	Enables Toll Fraud Prevention on Cisco Unified CME to secure the Cisco Unified CME system against potential toll fraud exploitation by unauthorized users.	Toll Fraud Prevention
	Enhancements to SIP Phone Configuration	Allows you to verify SIP phone registration process, remove global registration parameters, and display details on phones that attempted to register with Cisco Unified CME and failed.	Cisco Unified CME Commands: show presence global through subnet.
	Support for Cisco Unified 6901 and 6911 SCCP IP Phones	Adds support for new SCCP IP phones 6901 and 6911.	Ephone-Type Parameters for Supported Phone Types
Cisco Unified CME 8.0(1)			

Version	Feature Name	Feature Description	Where Documented
8.0	Cancel Call Waiting	Enables an SCCP phone user to disable Call Waiting for a call they originate.	Call Coverage Features
	CTI CSTA Protocol Suite	Allows computer-based CSTA client applications, such as a Microsoft Office Communicator (MOC) client, to monitor and control the Cisco Unified CME system to enable programmatic control of SCCP telephony devices registered in Cisco Unified CME.	CTI CSTA Protocol Suite Deprecation
	IPv6 Support for SCCP Endpoints	Adds IPv6 support for SCCP phones. SCCP Phones can interact with and support any SCCP devices that support IPv4 only or both IPv4 and IPv6 (dual-stack).	Configure IP Phones in IPv4, IPv6, or Dual Stack Mode
	Logical Partitioning Class of Restriction (LPCOR)	Enables a single directory number on an IP or analog phone that is registered to Cisco Unified CME to connect to both PSTN and VoIP calls according to restrictions specified by Telecom Regulatory Authority of India (TRAI) regulations.	Call Restriction Regulations
	MLPP enhancements		Configure MLPP

Version	Feature Name	Feature Description	Where Documented
		Adds enhanced Multilevel Priority and Preemption (MLPP) features for Cisco Unified CME including: • Additional MLPP announcements for isolated code (ICA), unauthorized precedence level (UPA), loss of C2 features (LOC2), and vacant code (VCA) • Multiple service domains for the Defense Switched Network (DSN) and Defense Red Switched Network (DRSN) • Route codes and service digits in dialing formats • Support for supplementary services, such as Three-Way Conferencing, Call Pickup, and Cancel Call Waiting on Analog FXS ports	
	Music On Hold Enhancement	Adds support for Music on Hold from different media sources.	Configure Music on Hold Groups to Support Different Media Sources
	Secure IP Phone (IP-STE) Support	Adds support for secure IP Phone, IP-STE.	Internet Protocol - Secure Telephone Equipment Support
Cisco Unified CME 7.1			
7.1	Autoconfiguration of Cisco VG202, VG204, and VG224	Allows you to automatically configure the Cisco VG202, VG204, and VG224 Analog Phone Gateway from Cisco Unified CME.	

Version	Feature Name	Feature Description	Where Documented
	Barge and cBarge for SIP Phones	Enables phone users to join a call on a SIP shared-line directory number.	Barge and Privacy
	BLF Monitoring of Ephone-DNs with DND, Call Park, Paging, and Conferencing	Provides Busy Lamp Field (BLF) indicators for directory numbers that become DND-enabled or are configured as call-park slots, paging numbers, or conference numbers.	Presence Service
	BLF Monitoring of Devices	Supports device-based BLF monitoring, allowing a watcher to monitor the status of a phone, not only a line on the phone.	Presence Service
	Busy Trigger and Channel Huntstop for SIP Phones	Provides a busy trigger and channel huntstop for directory numbers on SIP phones to prevent incoming calls from overloading the phone.	
	Call Park Enhancements	Adds Call Park features for SIP phones and enhances the Directed Call Park feature.	
	Call Pickup Enhancements	Adds Call Pickup features for SIP phones and enables users to perform Directed Call Pickup using the GPickUp softkey.	Call Coverage Features
	DND Enhancement for SIP phones	Modifies DND behavior so that the SIP phone flashes an alert to visually indicate an incoming call instead of ringing and the call can be answered if desired.	Do Not Disturb
	DSCP	Supports Differentiated Services Code Point (DSCP) packet marking for Cisco Unified IP phones.	

Version	Feature Name	Feature Description	Where Documented
	Privacy for SIP phones	Enables phone users to block other users from seeing call information or barging into a call on a SIP shared-line directory number.	Barge and Privacy
	Shared-Line Directory Numbers	Adds shared-line directory numbers for SIP phones.	
	Single Number Reach (SNR)	Enables users to answer incoming calls on their desktop IP phone or at a remote destination, such as a mobile phone.	Configure Single Number Reach
	SIP Trunk Video Support for SCCP Endpoints	Supports video calls between SCCP endpoints across different Cisco Unified CME routers connected through a SIP trunk. Supports H.264 codec for video calls.	Video Support
	Whisper Intercom	Provides a one-way voice path from the caller to the called party, regardless of whether the called party is busy or idle. The called phone automatically answers in speakerphone mode.	Intercom Lines
Cisco Unified CME 7.0(1)			

Version	Feature Name	Feature Description	Where Documented
7.0(1)	**Note** Cisco Unified CME 7.0 includes the same features as Cisco Unified CME 4.3, which is renumbered to align with Cisco Unified Communications versions.		Configure System-Level Parameters Upgrade or Downgrade SCCP Phone Firmware
	Cisco Unified CME Usability Enhancement	Automatically creates TFTP bindings using the enhanced **load** command if cnf location is router flash memory or router slot 0 memory.	
		• Introduces locale installer that supports a single procedure for all SCCP IP phones. • Automatically creates the required TFTP aliases for localization. • Provides backward compatibility with the configuration method in Cisco Unified CME 7.0 and earlier versions.	
	Cisco Unified CME TAPI Enhancement	Introduces a Cisco IOS command that disassociates and reestablishes a TAPI session that is in frozen state or out of synchronization.	Reset and Restart Cisco Unified IP Phones
	Cisco Unity Express AXL Enhancement	Automatically synchronizes Cisco Unified CME and Cisco Unity Express passwords.	Voice Mail Integration
	Cisco Unified IP Phones		Cisco Unified Communications Manager Express 7.0/4.3 Supported Firmware, Platforms, Memory, and Voice Products

Version	Feature Name	Feature Description	Where Documented
		Adds SCCP support for the following phone type: Cisco Unified Communications Manager Express 7.0/4.3 Supported Firmware, Platforms, Memory, and Voice Products • Cisco Unified Wireless IP Phone 7925	
	VRF Support on Cisco Unified CME	Adds support for conferencing, transcoding, a RSVP components in Cisco Unified CME through a VRF; also allows soft phones and TAPI clients in data VRF resources to communicate with phones in a VRF voice gateway.	Configure VRF Support
Cisco Unified CME 7.0/4.3			
7.0/4.3	Autoprovisioning Directory Numbers in SRST Fallback Mode	Allows you to specify whether Cisco Unified CME in SRST Fallback mode creates octo-line or dual-line directory numbers for ephone-dns that are "learned" automatically from the ephone configuration.	SRST Fallback Mode
	Barge	Enables phone users to join a call on a shared octo-line directory number by pressing the Cbarge softkey and converting the call to an ad hoc conference.	Configure Barge and Privacy
	Call Transfer Recall	Enables a transferred call to return to the phone that initiated the transfer if the destination does not answer.	

Version	Feature Name	Feature Description	Where Documented
	Cisco 3200 Series Mobile Access Router	Support for Cisco Unified CME on the Cisco 3200 Series Mobile Access Router was added.	
	Cisco Unified IP Phones	Adds SCCP support for the following phone types: • Cisco Unified IP Phone 7915 Expansion Module • Cisco Unified IP Phone 7916 Expansion Module • Cisco Unified IP Conference Station 7937 • Nokia E61 Adds SIP support for the following phone types: • Cisco Unified IP Phone 7942G and 7945G • Cisco Unified IP Phone 7962G and 7965G • Cisco Unified IP Phone 7975G	Cisco Unified Communications Manager Express 7.0/4.3 Supported Firmware, Platforms, Memory, and Voice Products
	Consultative Transfer Enhancements		

Version	Feature Name	Feature Description	Where Documented
		Modifies the digit-collection process for consultative call transfers. After a phone user presses the Transfer softkey for a consultative transfer, a new consultative call leg is created and the Transfer softkey is not displayed again until the dialed digits of the transfer-to number are matched to a transfer pattern and consultative call leg is in alerting state.	
	Directory Search Enhancement	Increases the number of entries supported in a search results list from 32 to 240 when using the directory search feature.	Directory Services

	Extension Mobility Enhancement	Adds support for the following:
		• Automatic Logout, including:
		  • Configurable time-of-day timers for automatically logging out all EM users.
		  • Configurable idle-duration timer for logging out a single user from an idle EM phone.
		  • Automatic Clear Call History when a user logs out from EM.
			Extension Mobility

Version	Feature Name	Feature Description	Where Documented
	Phone-Type Configuration	Allows you to dynamically add a new phone type to your configuration without upgrading your Cisco IOS software.	
	Live Record	Enables IP phone users to record a phone conversation when Cisco Unity Express is the voice mail system.	Voice Mail Integration
	Maximum Ephones	Sets the maximum number of SCCP phones that can register to Cisco Unified CME using the **max-ephones** command, without limiting the number that can be configured. This enhancement also expands the maximum number of phones that can be configured to 1000.	
	Octo-Line Directory Numbers	Adds octo-line directory numbers that support up to eight active calls, both incoming and outgoing, on a single phone button. Unlike a dual-line directory number, an octo-line directory number can split its channels among other phones that share the directory number.	

Version	Feature Name	Feature Description	Where Documented
	Privacy	Enables phone users to block other users from seeing call information or barging into a call on a shared octo-line directory number.	Configure Barge and Privacy
	Push-to-Talk	Adds support for one-way Push-to-Talk (PTT) in Cisco Unified CME without requiring an external server to support the functionality. PTT is supported in firmware version 1.0.4 and later versions on Cisco Unified wireless IP phones with a thumb button.	Configure One-Way Push-to-Talk on Cisco Unified SCCP Wireless IP Phones
	Speed Dial/Fast Dial Phone User Interface	Allows IP phone users to configure their own speed-dial and fast-dial settings directly from the phone. Extension Mobility users can add or modify speed-dial settings in their user profile after logging in.	Speed Dial
	Transfer to Voice Mail	Allows a phone user to transfer a call directly to a voice-mail extension by pressing the TrnsfVM softkey.	Voice Mail Integration
	Voice Hunt-Group Enhancements		Call Coverage Features

Version	Feature Name	Feature Description	Where Documented
		Supports the following Voice Hunt Group features: • Call Forwarding to a Parallel Voice Hunt-Group (Blast Hunt Group). • Call Transfer to a Voice Hunt-Group. • Member of Voice Hunt-Group can be a SCCP phone, FXS analog phone, DS0-group, PRI-group, SIP phone, or SIP trunk.	
Cisco Unified CME 4.2(1)			
4.2(1)	Call Blocking Enhancements	Adds support for selective call blocking on IP phones and PSTN trunk lines.	Call Blocking
	Extension Assigner Synchronization	Provides support for automatically synchronizing configuration changes to backup systems.	Create Phone Configurations Using Extension Assigner
	Extension Mobility Phone User support in Cisco Unified CME GUI	Allows a phone user to use a name and password from an EM profile to log into the Cisco Unified CME GUI for configuring personal speed dials on an EM phone. EM options in the GUI cannot be accessed from the System Administrator or Customer Administrator login screens.	Unified CME Graphical User Interface Deprecation
Cisco Unified CME 4.2			

Version	Feature Name	Feature Description	Where Documented
4.2	Enhanced 911 Services	• Enables routing to the PSAP closest to the caller by assigning ERLs to zones. • Allows you to customize E911 services by defining a default ELIN, designated number for callback, expiry time for Last Caller table, and syslog messages for emergency calls. • Expands the E911 location information to include name and address. • Uses templates to assign ERLs to a group of phones. • Adds permanent call detail records.	Enhanced 911 Services
	Extension Mobility	Provides the benefit of phone mobility for end users by enabling the user to log into any local Cisco Unified IP phone that is enabled for extension mobility.	Extension Mobility

Version	Feature Name	Feature Description	Where Documented
	Interoperability with Cisco Unified Contact Center Express (Cisco UCCX)	Enables interoperability between Cisco Unified CME and Cisco Customer Response Solutions (CRS) 5.0 and later versions with Cisco Unified Contact Center Express (Unified CCX), including Cisco Unified IP IVR, enhanced call processing, device and call monitoring, and unattended call transfers to multiple call center agents and basic extension mobility.	Interoperability with Cisco Unified CCX
	Media Encryption (SRTP) on Cisco Unified Communications Manager Express	Provides the following secure voice call capabilities: • Secure call control signaling and media streams in Cisco Unified CME networks using Secure Real-Time Transport Protocol (SRTP) and H.323 protocols. • Secure supplementary services for Cisco Unified CME networks using H.323 trunks. • Secure Cisco VG224 Analog Phone Gateway endpoints.	Security
Cisco Unified CME 4.1			

Version	Feature Name	Feature Description	Where Documented
4.1	Call Forward All Synchronization	When a user enables Call Forward All on a SIP phone using the CfwdAll softkey, the uniform resource identifier (URI) for the service is sent to Cisco Unified CME. When Call Forward All is configured in Cisco Unified CME, the configuration is sent to the SIP phone which updates the CfwdAll softkey to indicate that Call forward All is enabled.	

Version	Feature Name	Feature Description	Where Documented
	Cisco Unified IP Phones	Adds SCCP support for the following phones: • Cisco Unified IP Phone 7921G • Cisco Unified IP Phone 7942G and 7945G • Cisco Unified IP Phone 7962G and 7965G • Cisco Unified IP Phone 7975G Adds SIP support for the following phones: • Cisco Unified IP Phone 3911 • Cisco Unified IP Phone 3951 • Cisco Unified IP Phone 7911G • Cisco Unified IP Phone 7941G and 7941G-GE • Cisco Unified IP Phone 7961G and 7961G-GE • Cisco Unified IP Phone 7970G and 7971G-GE No additional configuration is required for these phones. They are supported in the appropriate Cisco IOS commands.	Cisco Unified CME 4.1 Supported Firmware, Platforms, Memory, and Voice Products
	Directory Services	Supports local directory and local speed dial features for SIP phones.	Directory Services

Version	Feature Name	Feature Description	Where Documented
	Disabling SIP Supplementary Services for Call Forward and Call Transfer	Allows you to prevent REFER messages for call transfers and redirect responses for call forwarding from being sent by Cisco Unified CME if a destination gateway does not support supplementary services. Supports disabling of supplementary services if all endpoints use SCCP or all endpoints use SIP.	
	Enhanced 911 Services for Cisco Unified CME in SRST Fallback Mode	Routes callers dialing 911 to the correct location.	Enhanced 911 Services
	KPML	Allows Key Press Markup Language (KPML) to report SIP phone users' input digit by digit to Cisco Unified CME, which performs pattern recognition by matching a destination pattern to a dial peer as it collects the dialed digits.	
	Multi-Party Conferencing Enhancements	Provides the following enhancements: • Enhanced ad-hoc conferences are hardware-based and allow more than three parties. • Meet-me conferences consist of at least three parties dialing a meet-me conference number.	Conferencing
	Network Time Protocol		Network Parameters

Version	Feature Name	Feature Description	Where Documented
		Allows SIP phones registered to a Cisco Unified CME router to synchronize to a Network Time Protocol (NTP) server, known as the clock primary.	
	Out-of-Dialog REFER	Allows remote applications to establish calls by sending an out-of-dialog REFER (OOD-R) message to Cisco Unified CME without an initial INVITE. After the REFER message is sent, the remainder of the call setup is independent of the application and the media stream does not flow through the application.	Network Parameters
	Presence with BLF Status	Allows presence to support BLF notification features for speed dial buttons and directory call lists for missed calls, placed calls, and received calls. SIP and SCCP phones that support BLF speed-dial and BLF call-list features can subscribe to status notification for internal and external directory numbers.	Presence Service
	Restarting Phones	Allows SIP phones to quickly reset using the **restart** command. Phones contact the TFTP server for updated configuration information and re-register without contacting the DHCP server.	Reset and Restart Cisco Unified IP Phones
	Session Transport		

Version	Feature Name	Feature Description	Where Documented
		Allows TCP to be used as the transport protocol for supported SIP phones connected to Cisco Unified CME. Previously, only UDP was supported.	
	SIP Dial Plans	Enables SIP phones to perform local digit collection and recognize dial patterns as user input is collected using dial plans. After a pattern is recognized, the SIP phone sends an INVITE message to Cisco Unified CME to initiate the call.	
	Softkeys	Allows you to customize the display and order of softkeys that appear on individual SIP phones during the connected, hold, idle, and seized call states.	Customize Softkeys
	Translation Rules	Allows SIP phones in a Cisco Unified CME system to support translation rules with functionality similar to phones running SCCP. Translation rules can be applied to incoming calls for directory numbers on a SIP phone.	Dial Plans
Cisco Unified CME 4.0(3)			

Version	Feature Name	Feature Description	Where Documented
4.0(3)	AMWI	Allows Cisco Unified IP Phone 7911 and Cisco Unified IP Phone 7931G to be configured to receive AMWI (Audible Message Line Indicator) and visual MWI notification from an external voice-messaging system.	Voice Mail Integration
	Cisco Unified IP Phones	Adds support for the following phones: • Cisco Unified IP Phone 7906G • Cisco Unified IP Phone 7931G	Cisco Unified CME 4.0(3) Supported Firmware, Platforms, Memory, and Voice Products
	DSS	Introduces the DSS (Direct Station Select) feature that allows the phone user to press a single speed-dial line button to transfer an incoming call when the call is in the connected state. This feature is supported on all phones on which monitor line buttons for speed dial or speed-dial line buttons are configured.	Speed Dial
	Extension Assigner	Allows installation technicians to assign extension numbers to phones without administrative access to Cisco Unified CME, typically during the installation of new phones or the replacement of broken phones.	Create Phone Configurations Using Extension Assigner
	Fax Relay		Configure Fax Relay

Version	Feature Name	Feature Description	Where Documented
		Introduces a SCCP-enhanced feature that adds support for Cisco Fax Relay and Super Group 3 (SG3) to G3 fax relay. The feature allows the fax stream between two SG3 fax machines to negotiate down to G3 speeds (less than 14.4 kbps) allowing SG3 fax machines to interoperate over fax relay with G3 fax machines.	
Cisco Unified CME 4.0(1)			

Version	Feature Name	Feature Description	Where Documented
4.0(1)	Call Forwarding	**Automatic call forwarding during night service**—Ephone-dns (extensions) can be designated to automatically forward their calls to a specified number during the time that night service is in effect. **Blocking call forwarding of local calls**—Forwarding of local (internal) calls from other Cisco Unified CME ephones can be blocked. External calls will continue to be forwarded as specified by the configuration for the ephone-dns. **Selective call forwarding**—Call forwarding for busy and no-answer ephone-dns can be applied selectively based on the number that a caller dials for a particular ephone-dn: the primary number, the secondary number, or either of those numbers expanded through the use of a dial-plan pattern.	

Version	Feature Name	Feature Description	Where Documented
	Call Park	**Call park blocked per ephone**—Individual ephones can be blocked from parking calls at call-park slots. **Call park redirect**—You can specify that calls use the H.450 or SIP Refer method of call forwarding or transfer to park calls and to pick up calls from park. **Dedicated call-park slots**—A private call-park slot can be configured for each ephone. **Direct pickup of parked call on monitored park slot** —A call that is parked on a monitored call-park slot can be picked up by pressing the assigned monitor button.	
	Call Pickup	**Directed call pickup disable**—The **no service directed-pickup** command globally disables directed call pickup and changes the action of the PickUp softkey to invoke local group pickup rather than directed call pickup.	Call Coverage Features
	Call Transfer		

Version	Feature Name	Feature Description	Where Documented
		Call transfer blocking—When call transfers to phones outside the Cisco Unified CME system have been globally enabled, you can block them for individual ephones. **Call transfer destination digits limited**—When call transfers to phones outside the Cisco Unified CME system have been globally enabled, you can limit the number of digits that can be dialed when transferring a call. **transfer-system command**—The command default has been changed from the **blind** keyword to the **full-consult** keyword, making H.450.2 consultative transfer the default method. **QSIG supplementary services support**—H.450 supplementary services features allow Cisco Unified CME phones to use QSIG to interwork with PBX phones. IP phones can use a PBX message center with proper MWI notifications.	
	Cisco Unified IP Phones		Cisco Unified CME 4.0 Supported Firmware, Platforms, Memory, And Voice Products

Version	Feature Name	Feature Description	Where Documented
		Adds support for the following phones: • Cisco Unified IP Phone 7911G • Cisco Unified IP Phone 7941G and 7941G-GE • Cisco Unified IP Phone 7961G and 7961G-GE No additional configuration is required for these phones. They are supported in the appropriate Cisco IOS commands.	
	Conferencing	**Drop last party or keep parties connected**—New options specify whether the last party that joined a conference can be dropped from the conference and whether the remaining two parties should be allowed to continue their connection after the conference initiator has left the conference. **Improved conference display**—A Cisco Unified IP phone that is connected to a three-way conference displays "Conference." No special configuration is required.	Conferencing

Version	Feature Name	Feature Description	Where Documented
	Feature Access Codes	**Feature Access Code (FAC) support**—The same FACs that are used by analog phones can be enabled for IP phones. In addition, standard FACs can be customized and aliases can be created to simplify the dialing of a FAC and any additional digits that are required to activate the feature.	Feature Access Codes
	Headset Auto-Answer	**Headset auto-answer**—When the headset key on a phone is activated, lines on the phone that are specified for headset auto-answer will automatically connect to incoming calls after playing an alerting tone to notify the phone user of the incoming call. This feature is available on Cisco Unified IP Phones 7940G, 7960G, 7970G, and 7971G-GE.	Headset Auto Answer

Version	Feature Name	Feature Description	Where Documented
	Hunt Groups		Call Coverage Features

Version	Feature Name	Feature Description	Where Documented
		Agent status control—Hunt group agents can put their phones in a not-ready state to temporarily suspend the receiving of hunt group calls by using the HLog softkey. A new FAC can toggle ready and not-ready state. **Automatic agent not-ready status**—The criterion for placing a hunt group agent into not-ready status (previously called automatic logout) was changed. If an agent does not answer the number of consecutive hunt-group calls that you specify in the **auto logout** command, the agent's ephone-dn is put into not-ready status (logged out) and will not receive further hunt group calls. **Call hold statistics**—New fields describing the length of time that calls spend in the hold state are in the statistical reports for Cisco Unified CME B-ACD applications. See the **show ephone-hunt statistics** command and the **hunt-group report url** command in Cisco Unified CME B-ACD and Tcl Call-Handling Applications. **Dynamic hunt group membership**—Agents can join or leave a hunt group using standard or custom FACs when	

Version	Feature Name	Feature Description	Where Documented
		wildcard slots are configured for hunt groups and the agents' ephone-dns are authorized to join hunt groups. **Change in hops command default**—The maximum number of hops allowed by a hunt group is automatically adjusted to reflect the dynamically changing number of members. **Enhanced display of ephone hunt-group information**—A text string can be added to provide information in configuration output and to display on IP phones when a hunt-group call is ringing or answered or when all hunt-group members are logged out. **Local call forwarding restriction in sequential ephone hunt groups**—In sequential ephone-hunt groups, local (internal) calls to the hunt group can be prevented from being forwarded beyond the first ephone-dn in the hunt group.	

Version	Feature Name	Feature Description	Where Documented
	Hunt Groups		Call Coverage Features

Version	Feature Name	Feature Description	Where Documented
		Longest-idle hunt group improvement—The **from-ring** command specifies that on-hook time stamps should be updated when a call rings an agent and when a call is answered by an agent. **Maximum number of agents**—The maximum number of agents per hunt group has increased from 10 to 20. No special configuration is required. **Maximum number of hunt groups**—The maximum number of hunt groups per Cisco Unified CME system has increased from 10 to 100. No special configuration is required. **No-answer timeout enhancements**—No-answer timeouts in ephone hunt groups can be set individually for each ephone-dn in the list. A maximum cumulative no-answer timeout can be also be set. **Restricting presentation of calls to idle or on-hook phones**—The presentation of hunt group calls can be restricted to hunt-group members on phones that are idle or on-hook. This enhancement considers all lines on the phone, both members of the hunt group and nonmembers, when restricting presentation of hunt group calls. **Return to a secondary**	

Version	Feature Name	Feature Description	Where Documented
		destination in an ephone hunt group after call park—Calls parked by hunt group agents can be returned to a different entry point in the hunt group. **Return to transferring party on no answer in an ephone hunt group**—A call that was transferred into a hunt group and was not answered can be returned to the party that transferred it to the hunt group instead of being sent to voice mail or another final destination.	
	Localization	**Multiple user locales and network locales**—Up to five user and network locales are supported. **User-defined user locales and network locales**—User-defined locales can be added for supported phones.	

Version	Feature Name	Feature Description	Where Documented
	Music on Hold	**Music on hold (MOH) for internal calls**—Internal callers (those making calls between extensions in the same Cisco Unified CME system) hear music when they are on hold or are being transferred. The **mulitcast moh** command must be used to enable the flow of packets to the subnet on which the phones are located. Internal extensions that are connected through an analog voice gateway or through a WAN (remote extensions) do not hear MOH on internal calls. The ability to disable multicast MOH per phone was introduced, using the **no multicast-moh** command in ephone or ephone-template configuration mode.	Music on Hold

Version	Feature Name	Feature Description	Where Documented
	Overlaid Ephone-dns	**Overlaid ephone-dns**—The maximum number of overlaid ephone-dns per ephone button has increased from 10 to 25. No special configuration is required. **Overlaid ephone-dn call-waiting display**—The number of waiting calls that can be displayed for overlaid ephone-dns that have call waiting configured has been increased to six for the Cisco IP Phone 7940G, 7941G, 7941G-GE, 7960G, 7961G, 7961G-GE, 7970G, and 7971G-GE. The overlaid ephone-dns must be configured on the phone using the **button** command and the **c** keyword. **Overlaid ephone-dn call overflow to other buttons**—One or more buttons can be dedicated to serve as expansion or overflow buttons for another button on the same Cisco Unified IP phone that has overlaid ephone-dns. A call to an overlay button that is busy with an active call will roll over to the next available expansion button.	Call Coverage Features
	Phone Support		

Version	Feature Name	Feature Description	Where Documented
		Cisco IP Communicator is a software-based application that appears on a user's computer monitor as a graphical, display-based IP phone with a color screen, a key pad, feature buttons, and softkeys. Cisco Unified CME supports Cisco IP Communicator 2.0 and later versions. **Remote teleworker phone**—Teleworkers can connect remote phones over a WAN and be directly supported by Cisco Unified CME.	
	Ring Tones	**Distinctive ringing**—An extension's ring patterns can be set to distinguish among internal, external, and feature calls.	Ringtones
	Security	**Cisco Unified CME phone authentication** is a security infrastructure for providing secure Skinny Client Control Protocol (SCCP) signaling between Cisco Unified CME and IP phones.	Security
	Softkeys		Customize Softkeys

Version	Feature Name	Feature Description	Where Documented
		Feature blocking—The features associated with the following softkeys can be individually blocked per ephone: CFwdAll, Confrn, GpickUp, Park, PickUp, and Transfer. The softkey is not removed, but it does not function. **Softkey control for hold state**—The softkeys that are available while a call is on hold can be modified. The NewCall and Resume softkeys are normally available when a phone has a call on hold, but a template can be applied to the phone to remove these softkeys.	
	Speed Dial	**Bulk-loading of speed-dial numbers**—Text files with lists of speed-dial numbers can be loaded into system flash or a URL. The files can hold up to 10,000 numbers and can be applied to all ephones or to specific ephones.	Speed Dial

Version	Feature Name	Feature Description	Where Documented
	System-Level Parameters	**Disabling automatic phone registration**—Normally, Cisco Unified CME allocates an ephone slot to any ephone that connects to the system. To prevent unauthorized registrations, the **no auto-reg-ephone** command prevents any ephone from registering with Cisco Unified CME if its MAC address is not explicitly listed in the configuration. **External storage of configuration files and per-phone configuration files**—Phone configuration files can be stored on an external TFTP server to offload the TFTP server function of the Cisco Unified CME router. This additional storage space permits the use of per-phone configuration files, which can be used to specify different user locales and network locales for phones. **Failover to Redundant Router**—Sites can be set up with a primary and secondary Cisco Unified CME router to provide redundant Cisco Unified CME capability. Phones automatically register at the secondary router if the primary router fails and later rehome to the primary router when it is operational again.	
	Templates		Templates

Version	Feature Name	Feature Description	Where Documented
		Maximum number of ephone templates—The maximum number of ephone templates that can be defined has increased from 5 to 20. No special configuration is required. **New commands available for ephone templates**—Ephone templates were previously introduced to allow system administrators to control the display of softkeys in various call states on individual ephones. Their role has been expanded to allow you to define a set of ephone parameter values that can be assigned to one or more phones in a single step. **Ephone-dn templates**—Ephone-dn templates are introduced to allow administrators to easily apply sets of configured parameters to individual ephone-dns. Up to 15 ephone-dn templates can be defined.	
	Video Support		Video Support

Version	Feature Name	Feature Description	Where Documented
		Video support for SCCP-based endpoints—This feature adds video support to allow you to pass a video stream with a voice call between video-capable SCCP endpoints and between SCCP and H.323 endpoints. Through the Cisco Unified CME router, the video-capable endpoints can communicate with each other locally to a remote H.323 endpoint through a gateway or through an H.323 network.	
	Voice Mail		Voice Mail Integration

Version	Feature Name	Feature Description	Where Documented
		Line-selectable MWI—Previously, the message-waiting indication (MWI) lamp on a phone could only indicate when messages were waiting for the primary number on a phone. Now, any phone line can be designated during configuration. **Mailbox selection policy for voice-mail servers**—A policy can be set for selecting the mailbox to use for calls that are diverted one or more times within a Cisco Unified CME system before being sent to a Cisco Unity Express, Cisco Unity, or PBX voice-mail pilot number. **Prefix option for SIP unsolicited MWI Notify messages**—Central voice-message servers that provide mailboxes for multiple Cisco Unified CME sites may use site codes or prefixes to distinguish among similarly numbered ranges of extensions at different sites. You can specify the prefix for your site so that central mailbox numbers are correctly converted to your extension numbers.	
	XML Interface		Configure XML API

Version	Feature Name	Feature Description	Where Documented
		XML interface enhancements—An eXtensible Markup Language (XML) application program interface (API) is provided to supply data from Cisco Unified CME to management software. In Cisco Unified CME 4.0 and later versions, all Cisco Unified CME features have XML support.	

• Obtaining Documentation, Obtaining Support, and Security Guidelines, on page 63

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at: http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

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Cisco Unified Communications Manager Express System Administrator Guide (All Versions)