

What You Make Possible









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Deploying Cisco Jabber Mobility Solutions BRKUCC-2661







TOMORROW starts here.



BRKUCC-2661 Abstract

- This session explores how to plan and deploy Cisco Jabber mobility solution.
- This session will start with a brief overview of the solution and then cover the various core feature categories that Cisco Jabber mobility clients support followed with how to deploy and configure each of the feature category and then move on to the mobile clients provisioning. We will cover the following jabber mobile clients:
 - Cisco Jabber IM for iPhone;
 - Cisco Jabber for iPhone
 - Cisco Jabber for iPad
 - Cisco Jabber IM for Android
 - Cisco Jabber for Android



BRKUCC-2661 Session Objectives

At the end of the session, attendees should be able to:

- Understand how Cisco Jabber mobility fits into the Cisco collaboration architecture
- Understand core feature functionalities of Cisco Jabber mobility solution
- Understand the considerations for a successful deployment of Cisco Jabber mobility solution
- Where Cisco Jabber mobility evolves going forward



BRKUCC-2661 Session Logistics

Please consult the latest applicable product documentation for specific feature, software version, and hardware version support requirements

- While we will have an brief overview of the Cisco Jabber mobility solution, to gain a better understanding of the material presented, attendees should have some familiarity with Cisco Jabber mobile client applications. Attendees is also expected to have a good understanding of IP Telephony and familiarity with Cisco Unified Communications features and functions.
- Session time: 90 mins
- Please ask questions as we go 3 types of questions:
 - ✓ Questions I'll answer
 - ✓ Questions I'll defer to later in the session
 - ✓ Questions I don't know the answer to, outside the scope of our session, or those that consume too much time

Come talk to me after session to chat and/or leave your name, email and question(s) so I can get back to you.

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BRKUCC-2661 Agenda

- Jabber Mobile Solution Architecture
- Jabber Mobile Clients
- Deployment Considerations & Guidance
- The future of Jabber Mobility



Jabber Mobile Solution Architecture









Jabber Mobile Solution Architecture Section Agenda

- Jabber Mobile Portfolio Introduction
- Jabber Mobile Solution Overview
- Core Feature Functionalities





Jabber Mobile Solution Architecture

Jabber Mobile Portfolio Introduction















Jabber Mobile Solution Architecture

Core Feature Functionalities



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Jabber Mobile Solution Architecture Core Feature Functionalities – **Presence & Contact Management**

- User Authentication
- Presence States
 - Available/Busy/DND
 - Automated States (On the Phone/Calendar/WebEx)
 - Custom States
- Search/Add Contacts from Corporate Directory
- Add Federated Contacts











Jabber Mobile Solution Architecture

Core Feature Functionalities – Instant Messaging

- 1:1 Rich Chat
- Emoticon
- Participating Group Chat
- IM Logging ¹







¹ Server IM logging. Mobile Clients doesn't support client side chat history







Jabber Mobile Solution Architecture Core Feature Functionalities – Voice & Video Communication

- Standards based Voice/Video Calling with mid-call features (Hold, Transfer, Conference)
- Video Conferencing through MCU
- Dial via Office Calling
- WebEx Peer to Peer (P2P) Calling









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Jabber Mobile Solution Architecture Core Feature Functionalities – Visual Voicemail

- Display Voicemails
- Listen to Voicemails
- Call Back Voicemail Sender
- Display Voicemail Transcript ¹



¹ Currently only available on Cisco Jabber for Android client

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Jabber Mobile Solution Architecture Core Feature Functionalities – Instant WebEx Meeting Escalation

- Start instant WebEx Meeting from within Jabber
- Join WebEx Meeting from within Jabber







Jabber Mobile Solution Architecture

Core Feature Functionalities – Application Integration

- Click to Chat
- Click to Call
- Click to SMS
- Click to Email
- Click to Instant Meeting

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Jabber Mobile Clients









Jabber Mobile Clients



Jabber for iPhone



Jabber for Android



Jabber for iPad



Jabber IM for iPhone

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c	Contacts	Chats 2
Sales	Team	
	Adam McKer Offline	nzie
6	Charles Holla Offline	and
9.	Jim Li Offline	
<u>()</u>	Monica Cher Available (I'm i	n the Shared Office)
S .	Mukul Kuma Offline	r
	Neela Patel Away	
	Sue Miller Offline	
•	Tanya Adam	c

Jabber IM for Android



Jabber Mobile Clients Section Agenda

- Cisco Jabber for iPad
- Cisco Jabber IM for iPhone
- Cisco Jabber for iPhone
- Cisco Jabber IM for Android
- Cisco Jabber for Android



Jabber Mobile Clients Cisco Jabber for iPad

- Integrated IM & presence, voice, video and voice messaging client
- Presence & Contact Management
- Instant Messaging
- Voice/Video Communication
- Visual Voicemail
- Application integration
 - Enable 3rd party clients to cross-launch jabber





Jabber Mobile Clients

Cisco Jabber IM for iPhone & Cisco Jabber for iPhone

- Cisco Jabber IM for iPhone
 - Search / Add Contacts from Corporate Directory
 - Presence Status
 - 1:1 Chat / Participating Group Chat
 - View Contact Profile
 - Click to IM, SMS, Email or Call
 - Start / Join instant WebEx Meeting
 - Multiple Resource Login

- Cisco Jabber for iPhone
 - Network
 - Mid-call features
 - Move from / to Cisco IP Phone
 - Handoff call to mobile voice network
 - Corporate Directory Search
 - Visual Voicemail
 - Application integration: Enable 3rd party clients to cross-launch jabber





– VoIP over Wi-Fi / Mobile Data



Jabber Mobile Clients

Cisco Jabber IM for Android & Cisco Jabber for Android

- Cisco Jabber IM for Android
 - Search / Add Contacts from **Corporate Directory**
 - Presence Status
 - 1:1 Chat / Participating Group Chat
 - View Contact Profile
 - Click to IM, SMS, Email or Call
 - Start / Join instant WebEx Meeting
 - Multiple Resource Login

- Cisco Jabber for Android
 - Network
 - **Mid-call Features**

 - Visual Voicemail



– VoIP over Wi-Fi / Mobile Data

Handoff Call to Mobile Voice Network

– Corporate Directory Access



Deployment Considerations & Guidance







Deployment Considerations & Guidance Section Agenda

- Architecture Recap
- Prerequisites
 - Wireless network connectivity
 - Secure remote access
 - System and Network Requirements
- Deployment: the Right Approach
 - Backend Environment Configuration
 - ✓ IM & presence, contact management
 - ✓ Voice/video communications
 - ✓ Voice messaging
 - ✓ WebEx meeting integration
 - ✓ Simple Configuration
 - Client Provisioning











Design Considerations: Voice over WLAN

- Basic VoWLAN network design requirements:
 - Cell radius or power-level boundary of approximately -67 dBm (or less) is recommended in order to minimise packet loss.
 - ✓ Same channel cell separation of 19 dBm is recommended to minimise co-channel interference
 - ✓ Channel cell overlap (on non-adjacent channels) should be minimum of 20% to ensure seamless roaming between APs.
- Bluetooth headsets are not recommended with mobile client handsets due to potential interference on the 2.4 GHz band. Consider using 5 GHz band for wireless attachment.





For more information on VoWLAN Design, see the Voice over Wireless LAN 4.1 Design Guide at: http://www.cisco.com/en/US/docs/solutions/Enterprise /Mobility/vowlan/41dg/vowlan41dg-book.html



Wireless Network Connectivity

Design Considerations: Voice over WLAN (cont.)

- WLAN Infrastructure must be deployed or already in place.
- Site-survey required prior to adding voice over WLAN devices.
- Even if existing voice over WLAN devices are already deployed, new device/client types must be tested prior to production rollout.



WLAN Roaming with Cisco Jabber:

- Ensure Cisco Jabber clients only roam at layer 2 such that the same IP address can be used on the WLAN interface of the mobile device. Roaming at layer 3 will result in dropped calls due to change in IP address.
- Deploy mobile client devices on a WLAN network where the same SSID is used across APs. Roaming between APs is much slower if SSIDs are different.
- Ensure all APs in the WLAN broadcast their SSID(s). If SSID is not broadcast by AP, user may be prompted by device to join other WiFi networks which will interrupt the call

Wireless Network Connectivity Design Considerations: Quality of Service (QoS)

- Cisco Jabber mobile clients appropriately provide layer 3 QoS marking:
 - ✓ Voice media (RTP) DSCP 0x46 / PHB EF
 - ✓ Voice signaling (SIP) DSCP 0x24 / PHB CS3
- While Cisco Jabber on mobile devices that are WMM capable will mark layer 2 802.11 QoS User Priorities (UP) on call media and signaling packets, mobile devices with Wi-Fi drivers not supporting WMM will transmit and receive all packets at best effort:
 - Consider use of SIP Media Snooping on the WLAN infrastructure to detect SIP call setup and termination and to provide improved throughput including wireless call admission control
- In all cases ensure that layer 3 DSCP mapping (wireless to wired QoS) on the first hop switch port is configured such that traffic is given priority queuing for voice media and dedicated bandwidth for call signaling on the wired network







Wireless Network Connectivity

Design Considerations: Public and Private Wi-Fi Hotspots

- Enterprise-class WLAN connectivity is recommended to ensure acceptable voice quality and reliability for voice over WLAN calls.
- WLAN is everywhere, but...not all WLANs are equal
- Public and private Wi-Fi hotspots (home, hotel, airport, coffee shop, etc.) Calls are traversing the Internet!!
 - Not enterprise-class WLAN Х
 - Not optimised for voice including no end-to-end QoS Х
 - Best-effort traffic based on network capacity Х
 - Х Usually unmanaged
 - Poor throughput, jitter, delay, and packet-loss can occur before traffic Х even leaves Wi-Fi hotspot

Cisco cannot guarantee acceptable voice quality or troubleshoot connectivity issues for calls traversing public or private WLANs.

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Secure Remote Access

AnyConnect comes to help

- Secure remote access with Cisco AnyConnect Secure Mobility Client
- Aligns with Cisco's BYOD strategy
- Provides consistent security experience across broad platforms
- Enterprise-grade encryption and authentication
- Simple user experience with Cisco Jabber



** Currently supported only on desktops

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Secure Remote Access Cisco Jabber & Cisco AnyConnect

Interworking behind the scene

- Manual user intervention is not required after initial setup
- Automatic VPN establishment/reconnect
 - Certificate based authentication for Cisco AnyConnect
 - Utilises Connect On Demand feature in Apple iOS
 - VPN session persistence auto reconnect
- Control VPN tunnel access
 - Using Split Tunnel policy & ACL on ASA
 - Only the traffic Cisco Jabber generates







Secure Remote Access Connect On-Demand Feature in iOS

Certificate-based authentication only

- Based on domain name (no IP address support)
 - performs a 'pseudo' DNS query using 'VPN On-demand URL' field in the Unified CM Phone Configuration page
- Actions (wild-card match support)
 - Always Connect
 - Never Connect
 - Connect if Needed (only when the DNS query) returns a failure)
- Two ways to enable Connect On-Demand on iOS
 - Automatically pushed to AnyConnect as part of Client Profile
 - End user to configure in his AnyConnect **Connection Profile**

	Configuration in Unified CM (Phone Configuration Page)				
iPhone Network Connection	Nothing Configured	Preset Wi-Fi Networks Only	On-Demand VPN URL Only	On-demand VPN URL & Preset Wi-Fi Networks	
Mobile Data(3/4G)	No auto launch	No auto launch	Auto launch*	Auto launch*	
Corporate Wi-Fi	No auto launch	No auto launch	Auto launch*	No auto launch	
Non-corporate Wi-Fi	No auto launch	No auto launch	Auto launch*	Auto launch*	

* Exact behaviour depends on how Connect On Demand is configured in Cisco AnyConnect.

<	On-Demand VPN URL	i
	XML Options	[
	Reserved	6
<	Preset Wi-fi Networks	ł
		Ľ







Secure Remote Access Set Up Cisco AnyConnect

- Install and configure the Cisco Adaptive Security Appliance (ASA)
- Set up the ASA to support Cisco AnyConnect
 - Provision Application Profiles
 - Automate VPN Connection * (Optional)
 - Set up Certificated-Based Authentication * (Optional)
 - Set ASA Session Parameters
 - Set up Tunnel Policies
- Set up Automatic VPN Access on Unified CM * (Optional)
 - On-Demand VPN URL
 - Preset Wi-fi Networks

* Only required when using with the VPN on demand feature

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System and Network Requirements

Cisco Jabber IM for iPhone

			oported Product		Version		
Cloud IM & Pre	sence	Cise	co WebEx Messeng	jer service	7.5 or higher		
On-Prem IM &	Presence	Cise	co Unified Presence)	8.0 or higher		
		Cise	co Unified CM		8.0 or higher		
			ectory service		Active Directory 2003, 2008 OpenLDAP v3		
Port	Protocol		Network Protocol	Description			
Inbound							
1024 - 65535	RTP		UDP Peer to Peer audi Messenger service		 & video when connecting to WebEx It is configurable on OrgAdmin 		
Outbound							
389 / 636	LDAP / LDA	Ps	ТСР	Connects to an LDA	AP directory service		
5222 / 5269	XMPP		ТСР	Connects to Cisco Unified Presence for IM & Presence XMPP Federation			
80 / 443	HTTP / HTTPS		ТСР	Connects to WebEx Messenger service for IM & Presence			
1024 - 65535	N/A		UDP / TCP	Peer to Peer audio & video when connecting to Messenger service. It is configurable on OrgAdr			
80 / 443 / 5101	N/A		TCP / TCP / UDP	Used if Peer to Peer direct connection is not possible to firewall			
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System and Network Requirements Cisco Jabber for iPhone

		Supported Product	Version		Rec	
Call Control		Cisco Unified CM	Cisco Unified CM 7.1(5), 8.0(3), 8.5(1), 8.6(2) and 9			
		Cisco Unified CME	8.6 and 8.8		✓ G./	
		Cisco Unified CMBE	5000 and 6000		✓ G.7	
Voicemail		Cisco Unity Connection	7.x, 8.0, 8.5, 8.6, and 9.	0	_	
		Cisco Unity Express	8.6		Rec	
Unified CM Failov	er	Cisco SRST	8.6 and 8.8		voio	
Directory		Active Directory	2003, 2008		🗸 C 7	
		OpenLDAP	v3		• 0.7	
VPN		Cisco ASA 5500	8.4(1) or later		🗸 G.7	
		Cisco ASDM	6.4 or later			
Port	Proto	ocol	Network Protocol	Description		
Inbound						
16384 - 32766	RTP		UDP	Receive RTF	[•] media stre	
Outbound						
389 / 636	LDAF	P / LDAPs	ТСР	Connects to	an LDAP di	
69	TFTP)	UDP	Connects to	TFTP serve	
5060 / 5061	SIP		(UDP/TCP) / TCP	Provides SIF	' call signali	
2748	QBE		ТСР	Deskphone I	ntegration	
143 / 993 / 7993	IMAP	/ IMAP SSL / IMAP TLS	TCP	TCP Connects to download, a		
16384 - 32766	RTP		UDP	Send RTP m	edia stream	

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treams for audio Cisco Public

- quired codec for calls
- 11u
- 29a
- quired codec for cemail
- 11u
- 29a

eams for audio.

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System and Network Requirements Cisco Jabber for iPad

	Supported Product	Version	
IM & Presence	Cisco WebEx Messenger service	7.5 and higher	v
	Cisco Unified Presence	8.0, 8.5, 8.6 and 9.0	v
Call Control	Cisco Unified CM	7.1.5, 8.0.3, 8.5.1, 8.6.2	v
	Cisco VCS	6.0 and later	
	Cisco TMS	13.1 and later	
	Cisco Jabber Video service	Latest service available	١
Voicemail	Cisco Unity Connection	8.5, 8.6, 9.0	٧
Directory	Active Directory	2003, 2008	v
	OpenLDAP	v3	
Cisco Unified CM Failover	Cisco SRST	8.6	
VPN	Cisco ASA		

Required codec for calls

- 🗸 G.711u, G.711a
- G.722.1
- H.264 VAG encoding

Required codec for voicemail

- 🗸 G.711u, G.711a
- Linear PCM
- **GSM 6.10**



System and Network Requirements Cisco Jabber for iPad (Cont.)

Port	Protocol	Network Protocol	Description
Inbound			
16384 - 32766	RTP	ТСР	Receive RTP media streams
1024 - 65535	N/A	UDP / TCP	Peer to Peer audio & video w Messenger service. It is confi
Outbound			
389 / 636	LDAP / LDAPs	ТСР	Connects to an LDAP directo
5222 / 5269	XMPP	ТСР	Allow third party XMPP client
69	TFTP	UDP	Connects to TFTP server
8443	N/A	ТСР	Connects to CCMCIP server
5060 / 5061	SIP	(UDP/TCP) / TCP	Provides SIP call signaling
143 / 993 / 7993	IMAP / IMAP SSL / IMAP TLS	TCP	Connects to Unity Connection voicemail
16384 - 32766	RTP	UDP	Send RTX media streams for
1024 - 65535	N/A	UDP / TCP	Peer to Peer audio & video w Messenger service. It is confi
80 / 443 / 5101	N/A	TCP / TCP / UDP	Used if Peer to Peer direct co

- for Unified CM audio & video. hen connecting to WebEx
- igurable on OrgAdmin
- ory service
- connection / XMPP federation

- n to access, download, and play
- Unified CM audio & video
- hen connecting to WebEx igurable on OrgAdmin
- onnection is not possible due to

System and Network Requirements Cisco Jabber IM for Android

	Supported Product	Version
Cloud IM & Presence	Cisco WebEx Messenger service	7.5 or highe
On-Prem IM & Presence	Cisco Unified Presence	8.0, 8.5, 8.6
	Cisco Unified CM	8.0 or highe
	Directory service	Active Directory OpenLDAP

Port	Protocol	Network Protocol	Description
Outbound			
389 / 636	LDAP / LDAPs	ТСР	Connects to an LDAP directory service
5222 / 5269	XMPP	ТСР	Connects to Cisco Unified Presence for XMPP Federation
80 / 443	HTTP / HTTPS	ТСР	Connects to WebEx Messenger service



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System and Network Requirements Cisco Jabber for Android

		Supported Product	Version		Req		
Call Control		Cisco Unified CM	7.1.5, 8.0.3, 8.5.1,	7.1.5, 8.0.3, 8.5.1, 8.6.2 and 9.0.1			
Voicemail		Cisco Unity Connection	7.x, 8.0, 8.5, 8.6, a	nd 9.0	✓ G./′		
		Cisco Unity Express	8.6		✓ G.72		
Unified CM Failover		Cisco SRST	8.6 and 8.8		_		
Directory		Active Directory	2003, 2008		Req		
		OpenLDAP	v3		voic		
VPN		Cisco ASA 5500	8.4(1) or later				
		Cisco ASDM	6.4 or later		• 0.7		
Port	Prot	ocol	Network Protocol	Description			
Inbound							
16384 - 32766	RTP		UDP	Receive RTP medi	ia streams fo		
Outbound							
389 / 636	LDA	P / LDAPs	ТСР	Connects to an LD	AP directory		
69	TFTF	D	UDP	Connects to TFTP	server		
5060 / 5061	SIP		(UDP/TCP) / TCP	Provides SIP call s	signaling		
143 / 993 / 7993	IMAF	P / IMAP SSL / IMAP TLS	ТСР	Connects to Unity Connect play voicemail			
16384 - 32766	RTP		UDP	Send RTP media s	streams for a		

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uired codec for calls

- 11u
- 29a or G.729b
- uired codec for cemail
- 11u

or audio.

v service

to access, download, and

audio



Deployment: the Right Approach From a user's perspective

- I want to find and add contacts to my contact list and be able to see their status
- I want to have IM conversation with my contact to quickly confirm yes/no questions
- I want to make voice call with my contact to discuss an project
- I want to make video call to my colleagues and deliver a training program
- I want to check my voice messages
- I want to have a WebEx session with my contacts











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Deployment: the Right Approach Backend Environment Configuration







IM & presence, contact management **On-Premises**

Pre CUCM 9.x

- Client connects to CUP
- Client configuration on Unified CM & CUP
- IM and presence provided by CUP
- Contact source on LDAP (AD)

CUCM 9.x+

- Presence
- CM IM & Presence









Client connects to Unified CM IM &

Client configuration on Unified CM IM and presence provided by Unified

Contact source on LDAP (AD)



IM & presence, contact management

On-Premises – IM & Presence Architecture & Capacity

Unified CM

Provide user configuration, device configuration, licensing and directory integration services.

Cisco Unified Presence

Provides instant messaging and presence capabilities.

LDAP Directory

Provides contact search and retrieval services.

Mode Of Operation

Cisco Unified CM mode¹

IM-only-user mode²

¹ CUP integrates into a full Cisco UC environment to provide IM, presence and suite of unified communications services.

² CUP provides IM, presence solution for users who are not using Unified CM for call control.

* No administrative limit. The number of users is based on validation of CUP service on an expected user profile

75,000 *





IM & presence, contact management

On-Premises – Pre CUCM 9.x Deployment

- 1. Install and configure Unified CM and LDAP Directory
- 2. Set up users on Unified CM
 - I. Sync users from LDAP Directory

II. Assign users to the following user group: Standard CCM End Users.

- 3. Install and configure CUP
- Verify essential services on Unified CM and CUP 4.
- Unified CM: Cisco AXL Web Service \checkmark
- ✓ CUP feature services: Cisco UP SIP Proxy; Cisco UP Presence Engine; Cisco UP Sync Agent; Cisco UP XCP **Connection Manager; Cisco UP XCP Authentication Service;**
- ✓ CUP network services: **Cisco UP XCP Router**
- 5. Specify capabilities assignment for end users on Unified CM
- ✓ Enable CUP (Cisco Unified Presence)
- ✓ Enable CUPC (Cisco Unified Personal Communicator)
- 6. Create LDAP profile on CUP
- ✓ Create LDAP profile; Verify LDAP attribute mappings





IM & presence, contact management On-Premises – Pre CUCM 9.x Deployment (Cont.)

											1621	viapp	Jing	
									Cisco Unified Pres For Cisco Unified Commun	ence Administration				
									System Presence Messaging	Application User Management	Bulk Administration Diagnostics	Help 🔻		
						6 11			Cisco Jabber Settings	Cisco Jabber	Settings			
					D Dr	Atil			Save	Microsoft RCC	User Settings			
					\ 	ノミレ				IP Phone Messenger	Voicemail Server			
			-						Status	Third-Party Clients	Voicemail Profile			
				Juli Cicco Unific	d Droconco Ad	ministration			U Status: Ready	- Plugins	Mailstore			
				CISCO Eor Cisco Unifier	Communications Solu	tions			🗆 🕥 Cisco Jabber Security Setting	s	Conferencing Profile			
	🕨 🔹 (`ang	ahilitide							Proxy Listener*	Default Cisco SIP Proxy TCP List	ener CTI Gateway Server			
				System Presence Me	essaging < Application	 User Management But 	Ik Administration < Diagnost	tics 🔻 🛛 H	Primary TFTP Server	10.75.160.75	CTI Gateway Profile			
	-				Cisco J	Jabber •	Settings		Backup TFTP Server		LDAP Server			
		anmont		LDAP Profile Configuration		4 8 9 9	ootango		Backup TFTP Server		LDAP Profile			
	ASSI	onment			Micros	off RCC	User Settings				CCMCIP Profile			
	,	9		Save 👗 Delete 🖓	Add New IP Phor	ne Messenger	Voicemail Server		Cisco Jabber Settings		Contra Prono			
					Third-P	Party Clients	Voicemail Profile		These settings do not apply to Cisco Unifier	d Personal Communicator version 7.x.				
	CISCO UNITIED C	MAdministration		Status	Client 1	Vnes	Maiatara		CSE cartificate directory (relative to CSE in	etal				
	For Cisco Unified Com	nmunications Solutions		i Status: Ready		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Wallstore		directory)					
	System Call Routing Media Res	sources Advanced Features Device	Application Viser Management	•	Plugins		Conferencing Server		Credentials source for voicemail service*	CUP	•			
	Server						Conferencing Profile		Credentials source for web conferencing se	ervice* Not set	•			
	Cisco Unified CM				Iration		CTI Gateway Server		Maximum message size					
	Cisco Unified CM Group	Iministration		Name*		cupLDAPprofile	CTI Catavary Brafia		Call Records Deleted After (days)		Vever E	xpires		
	Phone NTP Reference			Description			CTT Galeway Profile		Allow cut & paste in instant messages					
	Date/Time Group						LDAP Server		Always begin calls with video muted					
	Presence Group	enses. Please upload relevant licens	e files.	Bind Distinguished Name (DN)		cn=cupsLDAPAdmin,	LDAP Profile		- Risco Jabber I DAP Attribute M	Aapping				
	Region	Page for more details.		Password			Audio Profile		Directory Server Type* Microsoft Active	Directory	Restore Defaults			
	Device Pool	3(R) Xeon(R) CPU X5690 @ 3.47GHz	. disk 1: 80Gbytes. 4096Mbyte				COMOID Deafle		UPC User Fields	LDAP User Fields			UPC User Fields	LDAP User Fields
	Device Mobility		,,.,	Confirm Password		•••••	CCMCIP Profile		UserD	sAMAccountName			FirstName	givenName
	DHCP	M		Search Context		ou-isbbernoc do-isbbe	rnoc de-com		LastName	sn			MiddleName	middleName
						ou-jabberpoe, ue-jabbe	rpoo, do-com		Nickname	nickname			Photo	http://10.74.29.15/photo/%%sAMAccount
S /	Location			Primary LDAP Server*		AD_sync		•						
	Physical Location	and is subject to United States and local country la	ws governing import, export, transfer a	Backup LDAP Server		< None >		-						
	SPST	egulations. If you are unable to comply with U.S. a	nd local laws, return this product immed					_						
	MIPP	ographic products may be found at our Export Co	mpliance Product Report web site.	Backup LDAP Server		< None >		-						
	Enterprise Decomptore	ations Manager please visit our Unified Communic	ations System Documentation web site.	Make this the default LDAP	Profile for the system.									
	Septice Prote Conliguration	eenmean support web site.		00										
	Service Faidmeters			Users in Profile										
	Security													
	Application Server													
	Licensing	License Unit Report												
	Geolocation Configuration	License Unit Calculator												
	Geolocation Filter	License File Upload												
		Capabilities Assignment											A 1	

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Attributes Monning



IM & presence, contact management

On-Premises – CUCM 9.x+ Deployment

- 1. Install and configure Unified CM and LDAP Directory
- 2. Set up users on Unified CM
 - I. Sync users from LDAP Directory
 - II. Assign the users to the following user group: Standard CCM End Users.
- 3. Install and configure Unified CM IM & Presence
- Verify essential service on Unified CM and Unified CM IM & Presence 4.
 - ✓ Unified CM: Cisco AXL Web Service
 - ✓ Unified CM IM & Presence:
 - Feature services: Cisco SIP Proxy; Cisco Presence Engine; Cisco Sync Agent; Cisco XCP Connection Manager; Cisco XCP Authentication Service;

Network services: Cisco XCP Router

- 5. Create UC services and associate them with a service profile on Unified CM
 - ✓ Required UC Services: **Directory**; **IM and Presence**;
- 6. Enable IM and Presence and add your service profile to users on Unified CM
 - Enable individual user / Enable multiple users (Bulk configuration) \checkmark

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IM & presence, contact management On-Premises – CUCM 9.x+ Deployment (Cont.)

UC Services

cisco	Cisco Unified CM Admin For Cisco Unified Communications	istration Solutions							
System 👻 C	all Routing 🔻 Media Resources 🔻 A	dvanced Features 🔻 Device 💌 Application	n 🔻 U	User Management 🔻	Bulk Administration	▼ Help ▼			
Find and Lis	st UC Services			Application User					
Add New		Delete Selected		End User					
ш.				User/Phone Add	▶				
- Status				SIP Realm					
6 records	s found			User Settings	•	Credential Pol	cy Default		
	Credential Policy								
UC Service	UC Service (1 - 6 of 6) Role								
Find UC Servic	ce where Name 💌 beg	ns with 👻	Clear F	Filter		Access Contro	ol Group		
	Name *	UC Service Type			Product Type	Application Us	er CAPF Profile		
Γ	<u>AD79</u>	Directory	Directory	End Us			PF Profile		
	CUCM90	СТІ	СТІ			UC Service			
	Mailstore	MailStore	Exchang	ge		Service Profile	•		
	Voicemail	Voicemail	Unity Co	onnection			10.75.160.123		
	WebEx Meeting	Conferencing	WebEx ((Conferencing)			cisco.webex.com		
	imp90	IM and Presence	Unified C	CM (IM and Presenc	e)		10.75.160.116		
Add New	Select All Clear All Delete Sel	ected							

Service Profile

cisco	Cisco Unified CM Admi For Cisco Unified Communication	nistration s Solutions
System 🔻	Call Routing Media Resources	Advanced Feat
Service Pr	ofile Configuration	
Save	🗙 Delete 📋 Copy 🎦 Reset	🧷 Apply C
Directory Primary Secondary	Profile	
Use UDS	S for Contact Resolution	
Username		administrat
Password Search Base	<u>= 1</u>	ou=jabberp
Search Base	2	
Search Base	<u>: 3</u> ve Search on All Search Bases	
Search Time Base Filter ((out (seconds)* Only used for Advance Directory)	5
Predictive Se	earch Filter (Only used for Advance Direct	ory)
- IM and Pr Primary	imp90 v	

Enable IM & Presence and add service profile

Cisco Unified CM Administration For Cisco Unified Communications Solutions				
Call Routing Media Resources Advanced Features Device Application	Us	er Manage	ement 🔻	Bulk Administration
Configuration		Applicati	on User	
		End Use	er	
Celete 🔂 Add New		User/Ph	one Add	•
		SIP Rea	lm	
attings		User Se	ttings	•
ister				
able User for Unified CM IM and Presence (Configure IM and Presence in the associated UC Ser	vice	Profile)		
View Details				
	Cisco Unified CM Administration For Cisco Unified Communications Solutions Call Routing Media Resources Advanced Features Device Application Configuration Delete Configuration Confi	Cisco Unified CM Administration For Cisco Unified Communications Solutions Call Routing Media Resources Advanced Features Device Application Us Configuration Delete Add New Configuration Configura	Cisco Unified CM Administration For Cisco Unified Communications Solutions Call Routing Media Resources Advanced Features Configuration Configuration Delete Add New User/Ph SIP Rea User Se uster able User for Unified CM IM and Presence (Configure IM and Presence in the associated UC Service Profile) Profile UC View Details	Cisco Unified CM Administration For Cisco Unified Communications Solutions Call Routing Media Resources Configuration Delete Add New Delete Add New User/Phone Add SIP Realm uster able User for Unified CM IM and Presence (Configure IM and Presence in the associated UC Service Profile UC









IM & presence, contact management **On-Cloud**

- Client connects to WebEx messenger service
- Configuration information provided from OrgAdmin tool webex
 - User Management
 - Group Management
 - Configuration
 - Policy
 - Reporting
- IM and presence service cloud based
- Contact source is cloud based

XMPF

Messenger



Webex Connect Administration Tool							
User	Configuration	Policy Editor	Group	Report #	About	Help	
System Settings		0	Organization Information (?)		n (?)		
Organization Information Domain(s) Resource Management URL Configuration Security Settings Password Settings Email Templates User Provisioning			Organization Information Company: Cisco CMO Virtual Lab Company Address 1: 170 Tasman Dr. Company Address 2:				
Connect Client 💿		0			City: State:	San Jose CA	
General IM Contact List Profile Settings IM Block Settings XMPP IM Clients Additional Services Meetings Unified Communications IM Federation			21p Code: (95134 Country: USA Business Phone: (408-555-4000 Fax: Website:	95134 USA 408-555-4000			
		0	Primary <i>i</i>	Administ	trator Name: Email:	Org Admin mvild@_cisco.com	
				* N	lotificatio	n Email: (mvild@cisco.com Save Reset



Voice/Video Communications Voice/video calling with Unified CM – Recommended Procedure

- Installing COP File for Application Dial Rules ¹ and Devices ² 1.
- Setting up System SIP Parameters 2.
- Setting up Dedicated SIP Profile 3.
- Setting up the Devices 4.
- Setting up User Association 5.

¹ For Unified CM release 8.5 and earlier ² New COP files are required for Jabber mobile clients







Voice/video calling with Unified CM – Installing COP

Place the COP file on an FTP or SFTP server that is accessible from your Unified CM servers

Install the COP file on the Publisher server in your Unified CM cluster by following these steps:

- Select Cisco Unified OS Administration in 1. the Navigation drop-down list and then select Go
- Select Software Upgrades > 2. Install/Upgrade
- Specify the location of the COP file and provide the required information, Select **Next** 3.
- Select the device COP file, Select **Next** 4.

- Follow the instructions on the screen, 6. Select **Next**
- Reboot Unified CM at a time of low 7. usage
- Let the system fully return to service 8.

Important - To avoid interruptions in service, ensure that each server has returned to active service before you perform this procedure on another server

Install the COP file on each Subscriber server in the cluster. Use the same process you use for the Publisher, including rebooting the server.







Voice/Video Communications Voice/video calling with Unified CM – Setting up System SIP Parameters

SIP Trying Timer: 1000ms

- It specifies the maximum time that Unified CM will wait to receive a 100 response to an INVITE request
- SIP Dual Mode Alert Timer: 4500ms

– It controls if and when to reroute the call via the configured mobility Identity.





Voice/video calling with Unified CM – Setting up a Dedicated SIP Profile

SIP Profile Parameters	Jabber for iPad SIP Profile	Jabber for iPhone SIP Profile	Jabber for Android SIP Profile
Timer Register Delta (seconds)	60	Use Default	120
Timer Register Expires (seconds)	660	660	720
Timer Keep Alive Expires (seconds)	660	660	720
Timer Subscribe Expires (seconds)	660	660	720
Timer Subscribe Delta (seconds)	Use Default	Use Default	15





Voice/video calling with Unified CM – Setting up the Devices

		Jabber for iPad	Jabber for iPhone	Jabber for Android	
Phone Type Product Type		Cisco Jabber for Tablet	Cisco Dual Mode for iPhone	Cisco Dual Mode for Android	
	Device Protocol	SIP	SIP	SIP	
Device Name		TAB <userid> e.g. TABJLI</userid>	TCT <userid> e.g. TCTJLI</userid>	BOT <userid> e.g. BOTJLI</userid>	
SIP Profile (c	reated by admin)	iPad SIP Profile	iPhone SIP Profile	Android SIP Profile	
Enable LDAF Authenticatio	P User on ¹	Enable	Enable	Enable	
LDAP Username ¹		Common user with	Common user with read-	Common user with read-	
LDAP Passw	ord ¹	read-only Permission	only Permission	only Permission	
LDAP Server	· 1	LDAP server IP Address	LDAP server IP Address	LDAP server IP Address	
LDAP Search	n Base ¹	LDAP search base	LDAP search base	LDAP search base	
Directory Nu	mber	Extension	Extension	Extension	

¹ Keep it blank when deploying together with IM & Presence





Cisco

Voice/video calling with TelePresence VCS – Recommended Procedure

	Jabber for iPad	Jabber for iPhone	Jabber for Android
TelePresence VCS	jabbertablet provisioning template	N/A	N/A

- Admin creates new users importing, or syncing from AD 1.
- Upload jabbertablet provisioning template 2.
- Configure policies and assign device template 3.
- Users receive automated email that includes username and password 4.
- Users switch on new endpoints 5.
- Users enter username and password and are ready to make video calls 6.





Voice/Video Communications Dial via Office ¹ – Cisco Jabber for iPhone/Android

- Set up Unified CM to support DVO
 - Set up Enterprise Feature Access Number \checkmark
 - Set up Mobility Profile
 - Verify device COP file version
 - Create Application Dial Rule to allow correctly route calls \checkmark
- Set up DVO for each device
 - Add a Mobility Identity for each user \checkmark
 - Enable DVO on each device
 - Verify Mobile Connect works

¹ The Dial via Office feature is available on Unified CM Release 8.6 and later. Only DVO-R is supported by jabber at the moment





Voice/Video Communications WebEx Peer to Peer Calling with voice/video¹

- Available when connecting to WebEx messenger service
- Configuration is done on the OrgAdmin tool.
 - Enabling P2P multipoint voice/video
 - Manual configuration of TCP/UDP ports (Optional)

Webex Conr	nect Admi	nistration Tool
User Configuration	Policy Editor	Group Report About Help
System Settings	0	P2P Settings
Organization Information Domain(s) Resource Management URL Configuration Security Settings Password Settings Email Templates User Provisioning		P2P Multipoint Audio and Video Setting. This setting is only applicable to Cisco WebEx ManU client. Allow P2P Multipoint Audio and Video.
Connect Client	0	
General IM Contact List Profile Settings IM Block Settings XMPP IM Clients Upgrade Management P2P Settings Additional Services Meetings Unified Communications IM Federation	Q	 P2P Port Settings. These settings are only applicable to Cisco WebEx Connect client 7.0 or higher. Configure Ports Manually Disable internet transmission to negotiate P2P connections within the same Organization Enabling this setting may have the following impact: The firewall penetration feature of P2P communications maybe disabled. Using Cisco WebEx Connect servers as a proxy to the connection will be disabled. This will reduce bandwidth consumption outside the corporate network. Possible increase in the failure rate of call attempts.

¹ Only Jabber for iPad & Jabber IM for iPhone Clients support Peer to Peer calling. Jabber iPad support both voice and video while iPhone IM only support voice calling.









Voice Messaging Visual Voicemail



- Install and configure Unity Connection
- Import users from Unified CM
- Provide users with IMAP access (Class of Service) on Unity Connection
 - ✓ Allow Users to Access Voice Mail Using an IMAP Client and/or Single Inbox
 - ✓ Allow IMAP Users to Access Message Bodies
- Create a voicemail profile on CUP / Add a voicemail and mail store service on Unified CM
- Configure Retrieval and Redirection
 - Create Voice Mail Pilot
 - Add Voice mail Pilot to the voicemail profile Π.
 - Specify the voicemail profile in the directory number configuration III.
- Configure the device on Unified CM
 - ✓ Voicemail Username
 - ✓ Voicemail Server







WebEx Meeting Integration Start/Join a instant WebEx meeting

Join WebEx meeting

- Install WebEx iPad/iPhone/Android mobile client
- Start WebEx meeting
 - Available only when connecting to WebEx messenger service
 - Install and log on as host to WebEx mobile iPad/iPhone/Android client









Simple Configuration Simplify the User Experience of Client Login

Auto service discovery using DNS SRV lookup for "CompanyDomain" from account name: <u>username@CompanyDomain</u>

- Single service
 - IM & Presence only
 - Voice & Video only
- Multiple services
 - WebEx Messenger + Unified CM + VCS
 - CUP + Unified CM + VCS







Simple Configuration Single Service Discovery

- Adding DNS SRV records for each server with priority and weight, based on which Jabber will generate a server list.
- Jabber always tries to login with the next available server. If the authentication fails, it will stop trying and display an error message.
- Unified CM example

	SRV Record	Ρ	W	Port	A Record
Single Unified CM	_cisco-phone-tftptcp.example.com	0	0	69	cucm2.example.com
cluster	_cisco-phone-httptcp.example.com	0	0	80	cucm1.example.com
Multi Unified CM cluster	_cisco-phone-tftptcp.example.com	0	0	69	ctftp.example.com





Simple Configuration Multiple Service Discovery

- Adding DNS SRV records for each server with priority and weight, based on which Jabber will generate a server list.
- Jabber always tries to login with the next available server. If the authentication fails, it will stop trying with this service category and start trying the first server in the next service category. If jabber fails all, an error message will be displayed.
- When deployed in full UC mode, such as WebEx + Unified CM and CUP + Unified CM, Jabber will try to login with the UC server (e.g. Unified CM, Unity Connection) specified in either OrgAdmin or Unified Presence instead of using auto discovery.
- Jabber contains a default service priority list. System admin can customised the service priority list through DNS TXT record.

Default Priority List: WebEx Messenger service > CUP > CUCM > VCS > Jabber Video for TelePresence

JSCP TXT Record format: name ttl class TXT "v=jscpv1 <dns-srv-name>; <dns-srv-name>; ..."

v=jscpv1 Mandatory. Jabber use this to identify it's a Service Priority list

<dns-srv-name>; <dns-srv-name>; Highest priority is leftmost, lower priority to right





Simple Configuration Multiple Service Discovery (Cont.)

Service	DNS SRV	Example			
WebEx Messenger	xmpp-client	_xmpp-clienttcp.example.com 1			
Cisco Unified cuplogin Presence		_cuplogintcp.example.com			
Unified CM cluster	cisco-phone-http cisco-phone-tftp	<pre>_cisco-phone-tftptcp.example.com _cisco-phone-httptcp.example.com</pre>	(TFTP) (CCMCIP)		
Unified CM clusters	cisco-phone-tftp	_cisco-phone-tftptcp.example.com	(Centralised TFTP ²)		
VCS	sip	_siptcp.internal.example.com _siptcp.external.example.com	(VCS-C) (VCS-E)		
Jabber Video for TelePresence	ciscowtp	_ciscowtptcp.example.com _ciscowtptcp.jabber.com _ciscowtptcp.webex.com	(free) (paid)		

¹_xmpp-client SRV record must point to a hostname like **c2s.CompanyDomain.webexconnect.com**

² Centralised TFTP is used with Unified CM multi-cluster deployment model and need SIP Authentication enabled for Tablet Device





Simple Configuration Multiple Service Discovery (Cont.)

Example:

CompanyDomain: example.com

UC DNS SRV records: _xmpp-client._tcp.example.com 86400 IN SRV 0 5 5222 xmppserver.example.com 86400 IN SRV 0 5 6970 cucmserver.example.com _cisco-phone-tftp._tcp.example.com _sip._tcp.internal.example.com 86400 IN SRV 0 5 5060 vcsserver.example.com

JSCP TXT Record example: example.com 30 IN TXT "v=jscpv1 _sip._tcp.internal.example.com; _cisco-phone-tftp._tcp.example.com; "

In this example, VCS service comes with the top priority and followed by the single cluster Unified CUCM service.





Deployment: the Right Approach Jabber Mobile Client Provisioning

- Client Requirements
- Preparing user instructions
 - Directions to download
 - Credentials for users' accounts
 - Client Setup







Jabber Mobile Client Provisioning

Cisco Jabber IM for iPhone

Product	Models Supported
iPhone	3GS, 4 and 4S
iPod Touch	3 rd , 4 th Generation
iPad	iPad 1, iPad 2
Software	Apple iOS 6.0
<section-header></section-header>	<complex-block><complex-block></complex-block></complex-block>

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Jabber Mobile Client Provisioning

Cisco Jabber for iPhone

Product	Models Supported	
iPhone	3GS, 4 and 4S	
iPod Touch	3 rd , 4 th Generation	
iPad	iPad 1, iPad 2	
Software	Apple iOS 6.0	
Step 1: Unified L Choose Cont L Choose Cont L Enter Device server addres Server addres Settings <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcome</u> <u>Velcom</u>	 Step 3: Unified Messaging Step 2: Desk Phone Integration Choose Yes Enter user credential & server details Trive view of the server details Trive view of the server details Trive view of the server view of the serve	Installation Complete !
FAQ If you do not have a provisioning link, but have been provided with the account information required to configure Cisco Jabber, tap Begin to be guided through the account setup. Continue Enter Account Settings If you do not have a provisioning link, but have been provided with the account information required to configure Cisco Jabber, tap Begin to be guided through the account setup. Continue	Would you like to ena phone integration? No Search Base OU=Employees, Yes Yes Yes	Cisco Jabber.
Begin	No Password	colive!

Jabber Mobile Client Provisioning

Cisco Jabber for iPad

Product	Models Su
iPad	iPad 2 and iPad 3 (thi
Software	Apple iO

Supported Deployment Model

Single Service	N	
IM & Presence	Voice & Video	
Cisco Unified Presence	Unified CM	Cisco Unifie
WebEx Messenger service	Cisco VCS	Cisco Unified Cl
	Jabber Video	Cisco VCS +
		Jabber Video



pported

rd-generation iPad) S 6.0

Nultiple Service

ed CM + Unified Presence

- M + WebEx Messenger service
- WebEx Messenger service
- + WebEx Messenger service



Jabber Mobile Client Provisioning Cisco Jabber for iPad (Cont.)






Jabber Mobile Client Provisioning

Cisco Jabber IM for Android

F	Product			Мо	dels Sup
And	droid Phone droid Tablet			All	Android
Anc				All	Android
S	Software			Androic	I OS 2.6,
<section-header><section-header><section-header><section-header><section-header><section-header><text></text></section-header></section-header></section-header></section-header></section-header></section-header>	e. Enter email address to auto discover Jabber IM Sign in €-mail address Continue Manual CUP login Manual WebEx login Send feedback	WebEx Messenger service discovered No DNS SRV record found	Sulf ≥ 12:19	Image: Sign in WebEx Connect Unified Presence	Select Unified Presence



oported

- Phones
- Tablets
- 4.0 and 4.1

	`	ø	O Taylor Bard Available				
			Contacts	Chats 2			
		▼ Sa	ales Team				
	Successfully		Adam McKer	nzie			
	Login	F	Charles Holla Offline	and			
∲ ஒ∂ Jabbe	्र ता 🙆 13:34 er 1M		Jim Li Offline				
Sign in	,		Monica Chen Available (I'm in the Shared Office)				
jil3@jabber-poc.org			Mukul Kumar Offline				
¢UP ser	ver name or IP address		Neela Patel				
	Sign in		Sue Miller Offline				
		Android 4.0 on Samsung Galaxy 33					
				linte			

Cisco

Jabber Mobile Client Provisioning Cisco Jabber for Android

Product Samsung Galaxy Nexus Samsung Galaxy SII (AT&T) Samsung Galaxy SII SC-02C (NTT Docomo) Samsung Galaxy S i9000 (GT-I9000) Samsung Galaxy Ace (GT-S5830L) Samsung Galaxy Tab International (GT-P1000) Download from Google Play Step 1: Phone Services Step 2: Voicemail Step 3: Directory Enter Device ID & TFTP Launch Enter user credential Accept & Begin Setup server address 🗊 📶 🙋 14:) 🚭 Phone Services Settings sername ት 🚳 ء 💈 🔐 🧣 Device ID administrator@jabberpoc.com Cisco Jak BOTJLI Cisco Jabber ssword Password erver Address Show passwore Show password Use mobile data network Voice quality varies based on your mobil data connectio Verify Skip Use noncorporate Wi-Fi able Cisco, Jabber from Voice quality varies based on your Wi-F Auto Start Starts Cisco Jabber each time your phone Help & Hints Ouick Start Video Verify

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Begin Setup



Android OS	
4.0.4	
2.3	
2.3	
2.3	
2.3	
2.3	



The Future of Jabber Mobility





Look into the Future Release... **Cisco Jabber Mobile Clients**

- Short term (1H CY2013)
 - Integrated clients on iPhone and Android with full UC functionalities
 - IM & Presence, Voice and Video, Voice messaging
 - URI dialing
 - Medianet support
 - Analytics
- Long term (Beyond 1H CY2013)
 - VPN-less remote access experience
 - Mobile SDK





Q & A









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