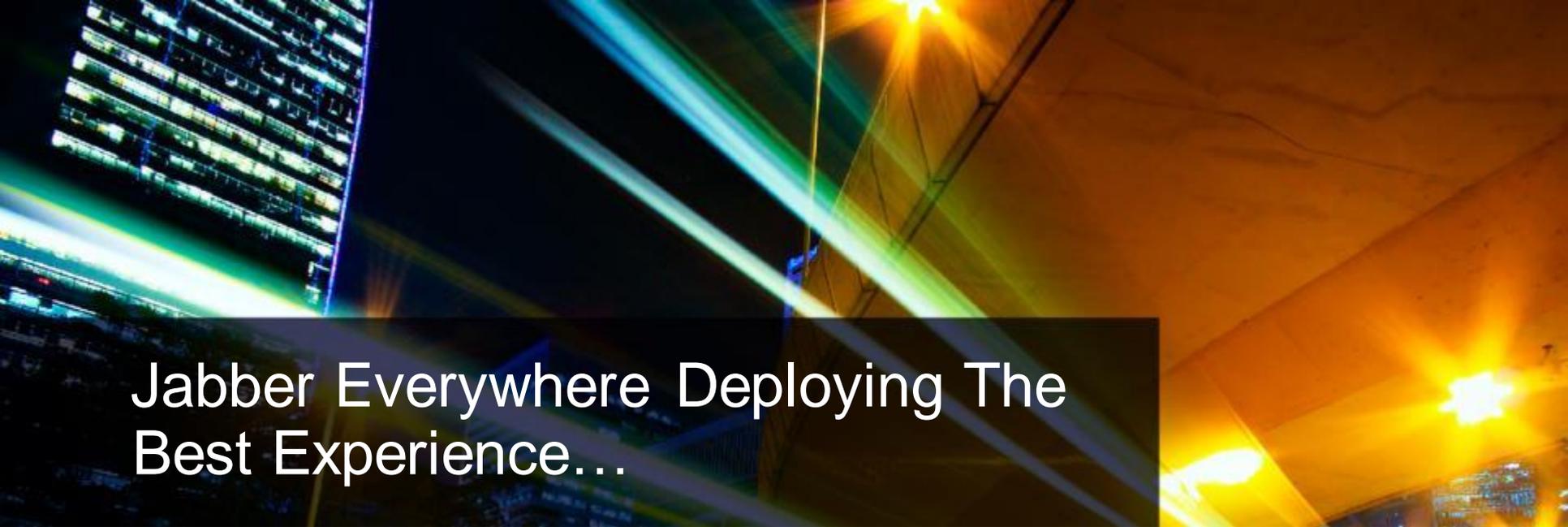




*TOMORROW
starts here.*

Cisco *live!*



Jabber Everywhere Deploying The Best Experience...

BRKUCC-2480

Paul O'Dwyer, Technical Marketing Engineer

#clmel

Cisco *live!*

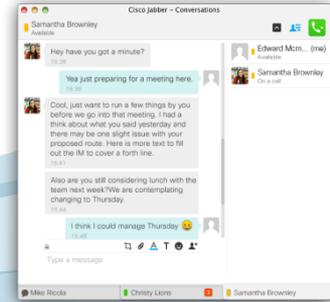
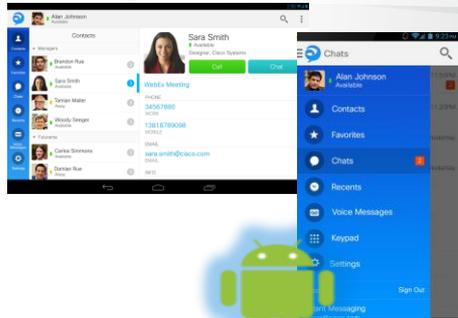
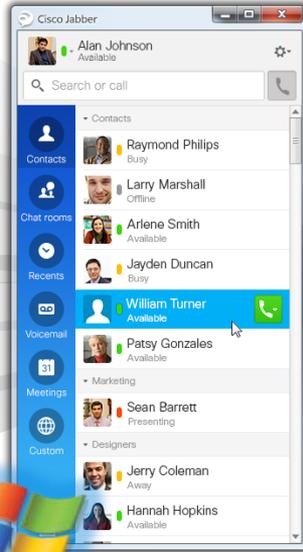
Agenda

- Introduction
- Core Deployment
- Features
- Chat Features
- SSO
- What's new in Cisco Jabber Desktop
- What's new in Cisco Jabber for Mobile
- Solution Architecture Including Mobile
- Distributing Cisco Jabber Mobile



Cisco Jabber Product Portfolio

vmware
CITRIX

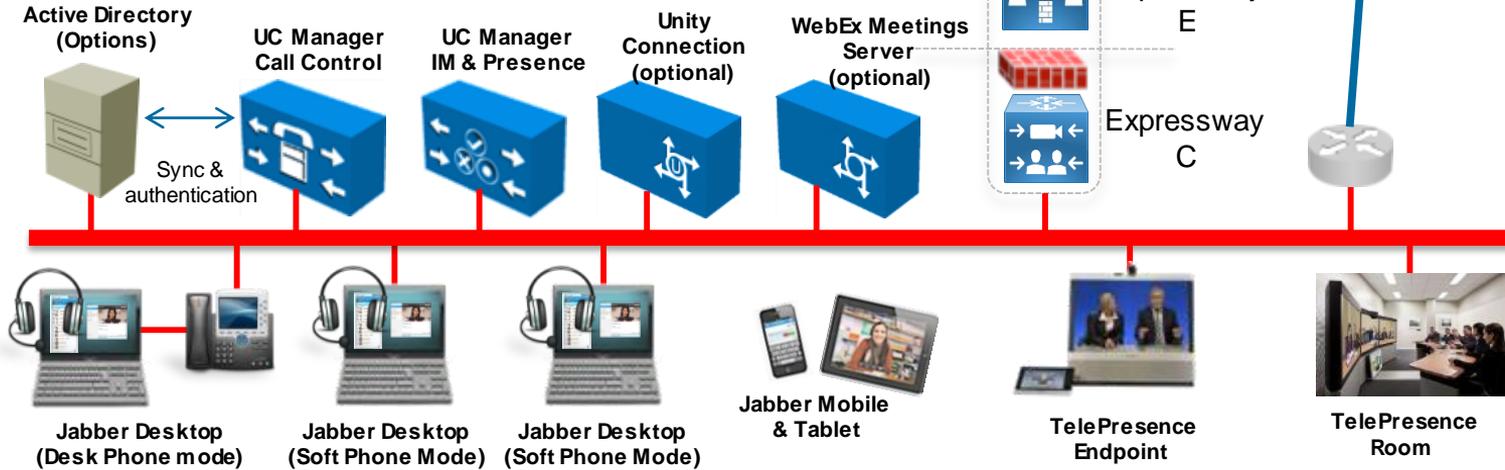


- **All-in-one UC Application**
 - Presence & IM
 - Voice, Video, voice messaging
 - Desktop sharing, conferencing

- **Collaborate from Any Workspace**
 - PC, Mac, tablet, smart phone
 - On-premises, Remote and Cloud
 - Real or Virtual

On Premise Services

- Presence and IM services deployed used on premise model
- Remote Access is available via Mobile and Remote Access or VPN



Deployment Flexibility

- Start with the features you need

Start Solution with...

 **Instant Messaging**



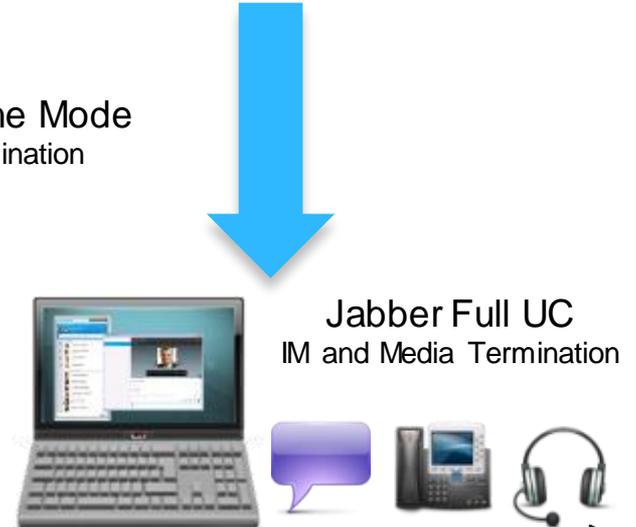
Start Solution with...

 **Voice & Video**



Start Solution with...

 **Unified Comms**



In place migration to ...

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A nighttime photograph of a city street. In the foreground, there are long, vibrant light trails from cars, primarily in shades of yellow, orange, and red, suggesting motion blur. In the middle ground, a modern pedestrian bridge with a glass railing spans across the street. The background features several tall buildings with lit windows and some streetlights. The overall scene is illuminated by city lights, creating a dynamic and urban atmosphere.

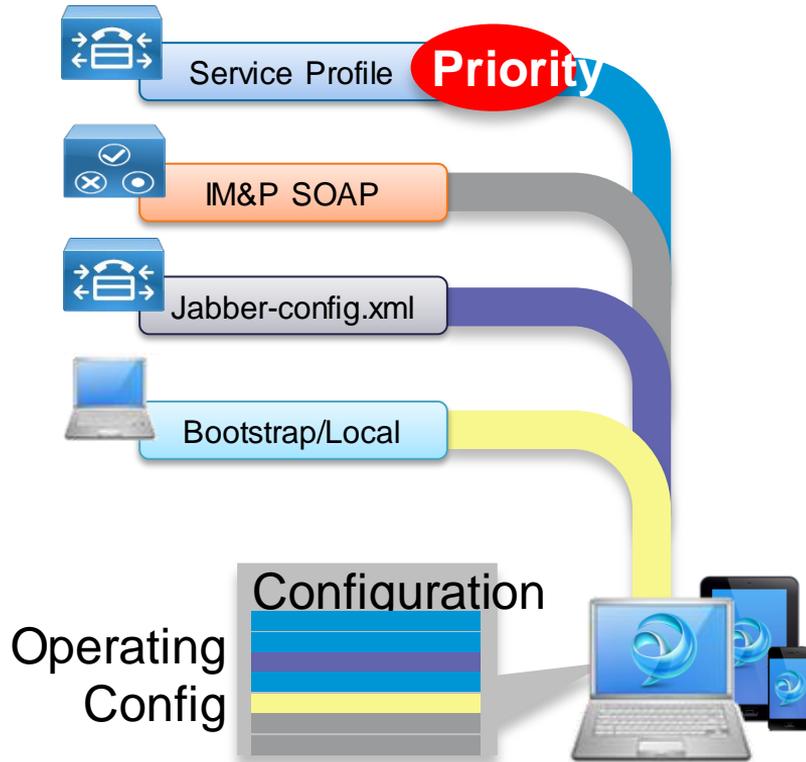
Begin Your Deployment Planning with Directory and UC Infrastructure

Creating Jabber Users



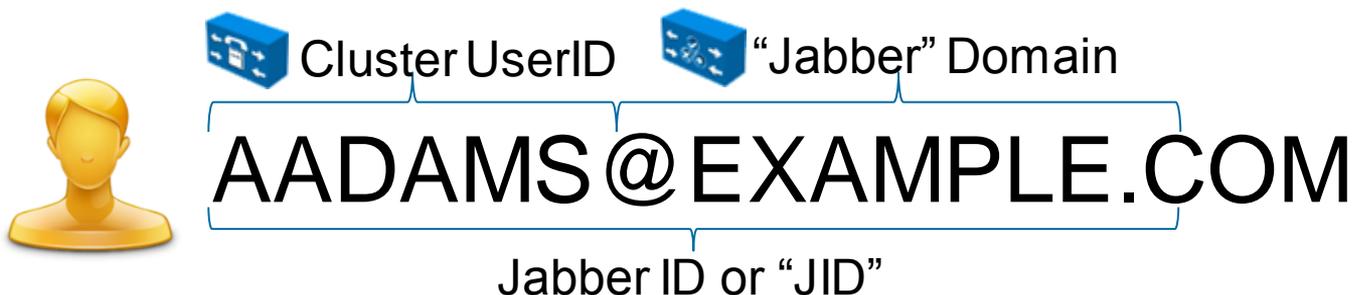
1. Setup base infrastructure
2. Create/Sync Users in CUCM
3. Enable Users for Presence/Client Access
4. Configure Contact Source Access
5. Configure DNS System for Service Discovery
6. Review Jabber Certificate Validation

Jabber Configuration – Configuration Sources



- During start-up Jabber clients will take configuration from multiple sources
- Jabber builds a local configuration which is populated from different sources
- Configuration sources have different priorities with Service profiles highest
- Operating configuration can be made up from different configuration sources
- Configuration is created at parameter level
e.g. LDAP Host from Jabber-config.xml
LDAP user ID from Service profile
LDAP password from Service profile

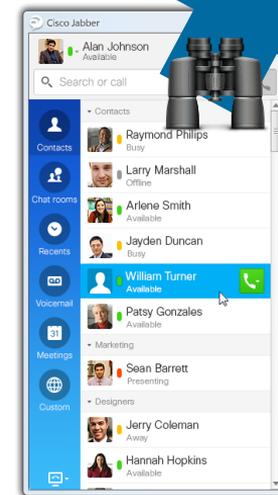
Creating Jabber Users



- Consider your Jabber domain carefully – by default JIDs are formed based on “CUCM UID” @ “XMPP domain”
- Jabber 10.6 introduces flexible JID formation
- Multi-modal communications address (Email, IM, Voice, Video & Federation)
- User created on UC Manager (can be synced from LDAP, AD Server)
- User is authenticated (can be authenticated from LDAP/AD/SSO iDP)
- Presence domain is configured on Presence server

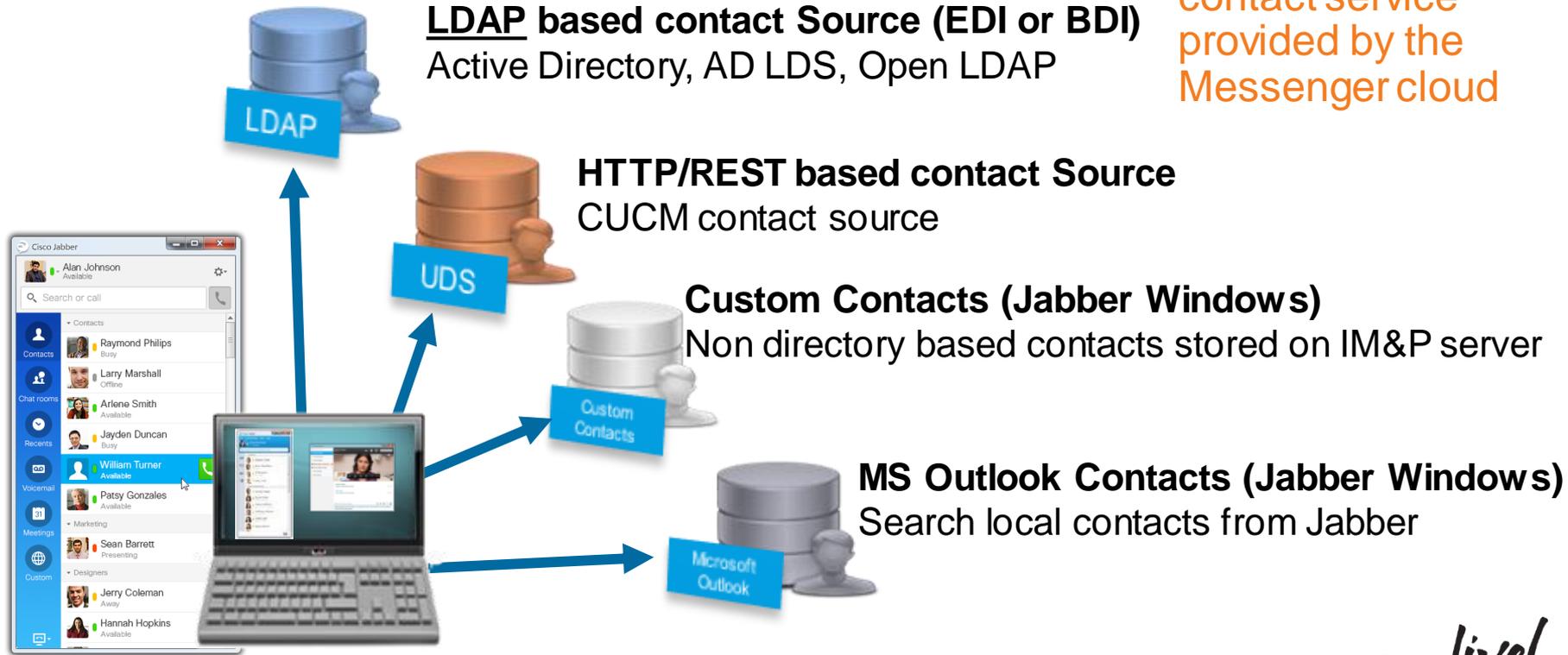
Jabber Contact Sources

- Jabber utilises a directory service for a number of purposes
 - Search and add contacts
 - Resolve contact information
 - Resolve phone numbers to display name
- What directory does the organisation use?, Do they use more than one
- Which Jabber Contact Source are we going to deploy



Jabber Contact Sources

WebEx Messenger deployments use a contact service provided by the Messenger cloud



Jabber Contact Sources

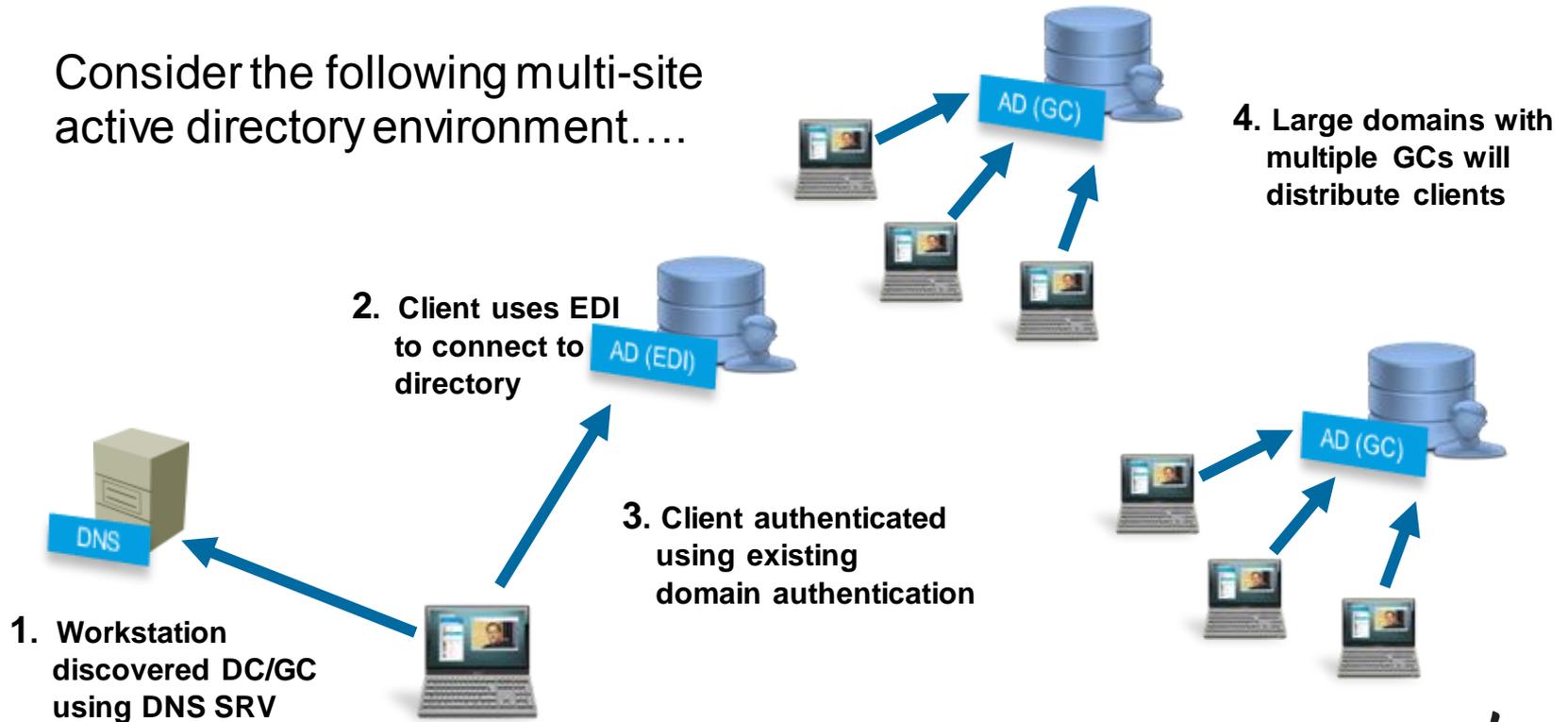
EDI : Enhanced Directory Integration (LDAP)

- On Premise Jabber for Windows by default uses auto-discovery for LDAP directory access (EDI Mode)
- Workstation MUST be a member of a domain for auto discovery to work
- Jabber connects to a Global Catalog server in the current domain (windows selects exact GC, so distributes load)
- Jabber uses encrypted authentication to directory based on current logged on user (workstation)
- Ambiguous name resolution (ANR) is used for search, ANR is more efficient and uses less server resources than other search methods

Jabber Contact Sources

EDI : Enhanced Directory Integration (LDAP)

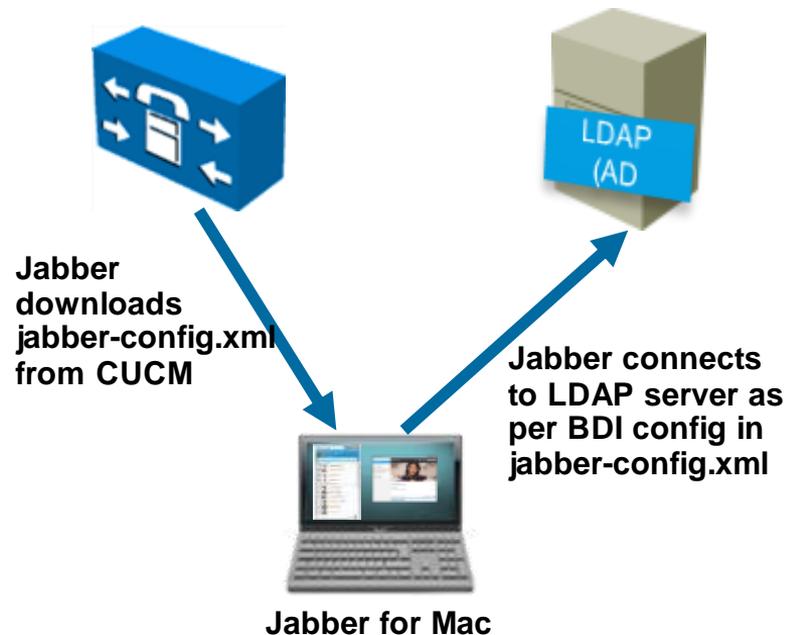
Consider the following multi-site active directory environment....



Jabber Contact Sources

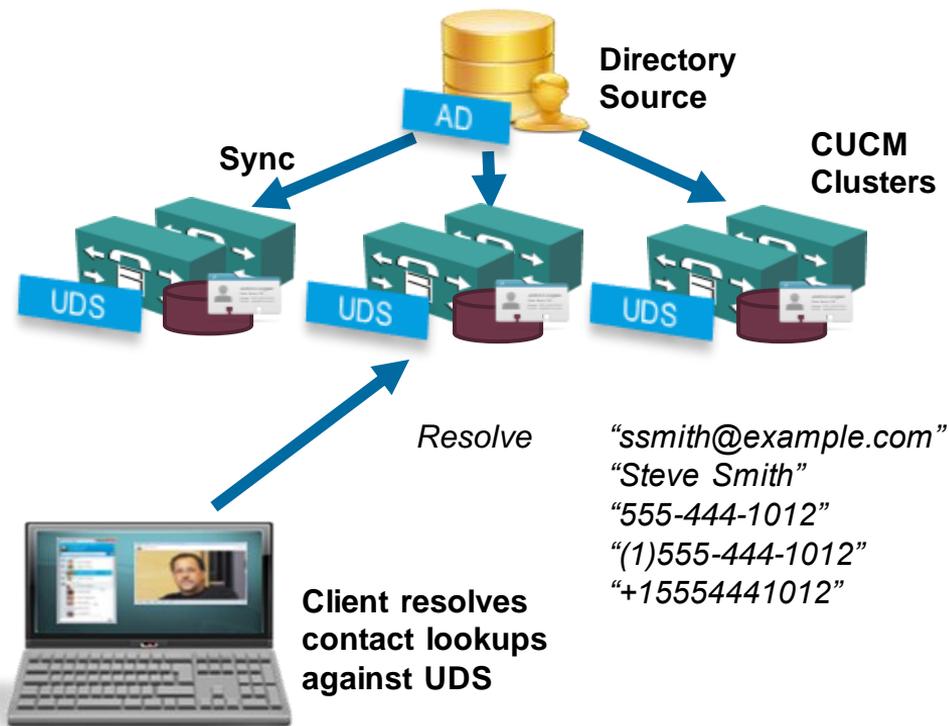
BDI : Basic Directory Integration (LDAP)

- **On Premise Jabber for Mac must use a BDI integration to the LDAP server for directory integration**
- BDI uses a common application username and password to access the LDAP server which is used
- BDI configuration is obtained from the jabber-config.xml
- BDI is also used for Jabber mobile clients



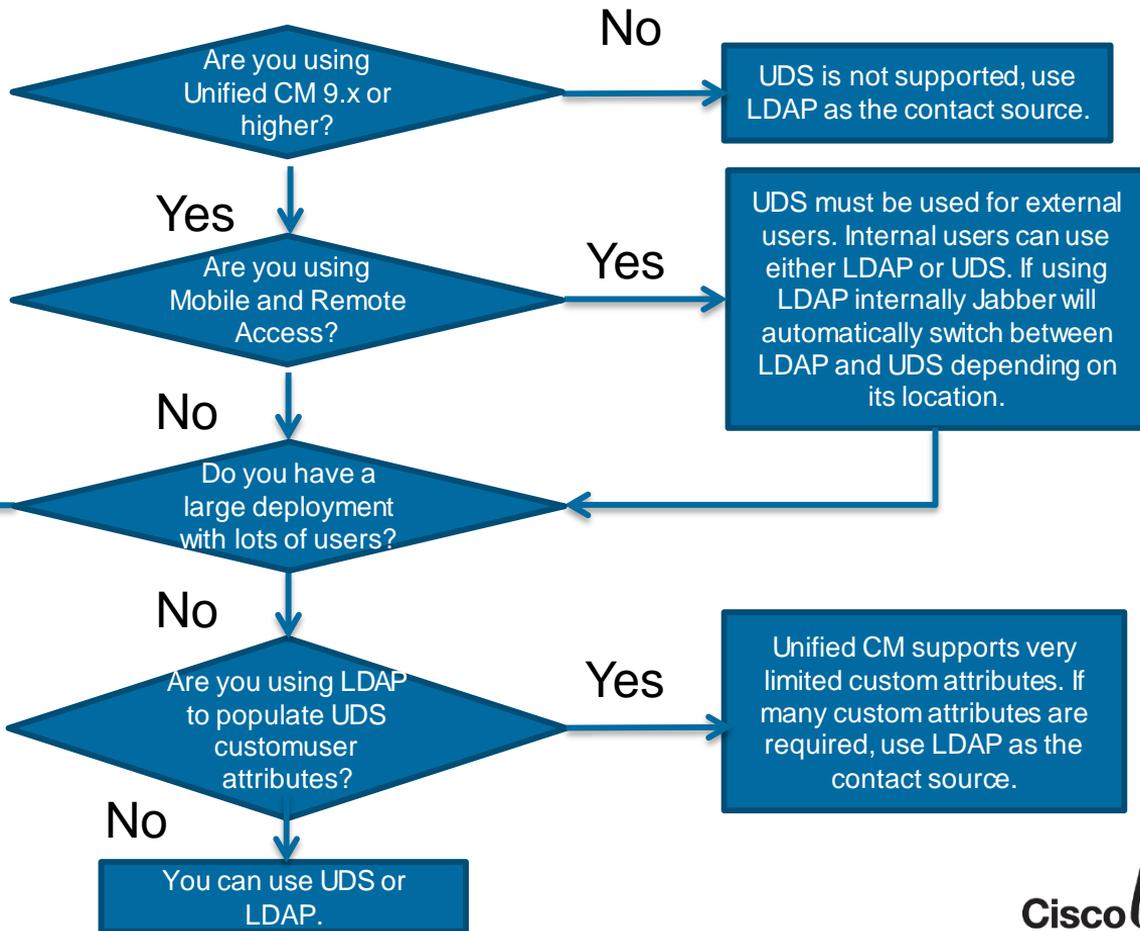
Jabber Contact Sources

UDS – User Data Services (Contact Service)



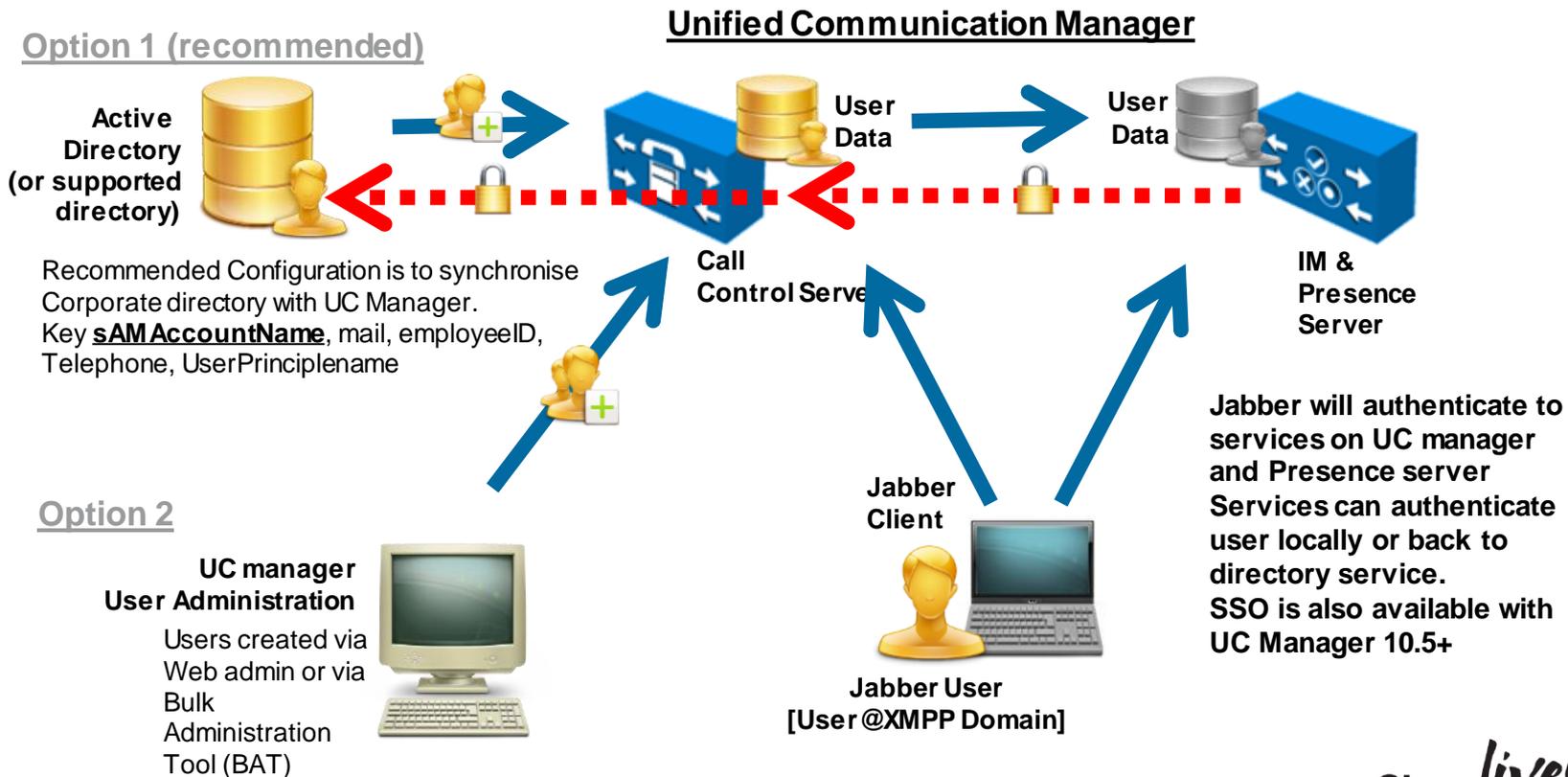
- UDS is an umbrella of web services provided by UC Manager.
- One of the services provided is a directory service
- Jabber can utilise the UDS directory service instead of an LDAP directory service if desired
- When Jabber clients are connected via Remote and Mobile Access, UDS directory service will be used by default
- UDS can be enabled using the jabber-config.xml file or via Service Profile

Can I use UDS as my Contact Source for Jabber?



The UDS database has a limit of 80,000 total users or 50% of the total devices supported per OVA. For example if using a 1000 device OVA, up to 500 UDS users are supported. If using a cluster of four 1000 device OVAs, 2000 UDS users are supported.

Adding Users to UC Manager



Syncing Users – Setting Directory URI

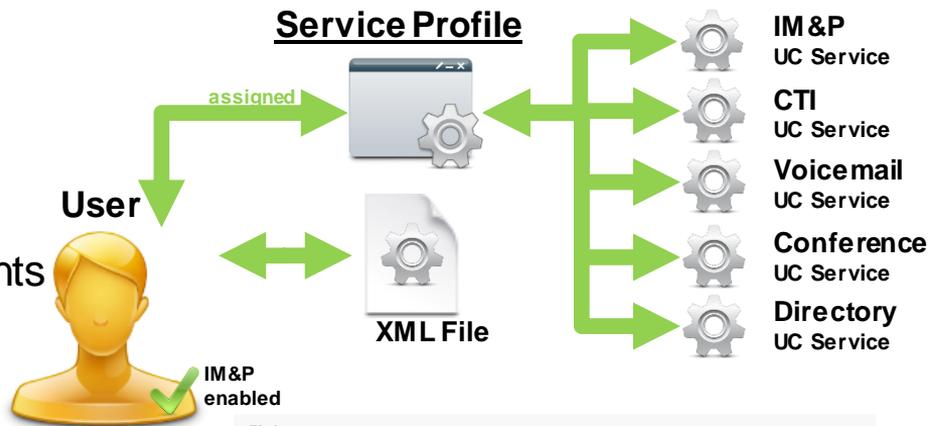
| Standard User Fields To Be Synchronized | |
|--|-------------------|
| Cisco Unified Communications Manager User Fields | LDAP Attribute |
| User ID | sAMAccountName |
| Middle Name | middleName ▼ |
| Manager ID | manager |
| Phone Number | telephoneNumber ▼ |
| Title | title |
| Mobile Number | mobile |
| Directory URI | mail ▼ |

| Standard User Fields To Be Synchronized | |
|--|-------------------------------|
| Cisco Unified Communications Manager User Fields | LDAP Attribute |
| User ID | sAMAccountName |
| Middle Name | middleName ▼ |
| Manager ID | manager |
| Phone Number | telephoneNumber ▼ |
| Title | title |
| Mobile Number | mobile |
| Directory URI | msRTCSIP-primaryuseraddress ▼ |

- When configuring the sync agreement – Directory URI needs to be mapped to an AD attribute
 - mail
 - msRTCSIP-primaryuseraddress
- This attribute will be used to form
 - SIP URI Address
 - JID if flexible JID is configured
- Note: msRTCSIP-primaryuseraddress is only available in deployments with MS Lync or OCS

Jabber User Configuration – Service Profiles

- Services Profiles detail the configuration and address of UC services
- Service Profiles are configured on CUCM in 9.x and later
 - configured on CUP in 8.6 deployments
- Service profiles can be used to deliver different feature sets
 - Phone mode (No IM & P Service Profile)
 - Full UC Mode
- Directory Service Profile supports basic settings.jabber-config.xml can still be used for more specific directory configurations



The screenshot shows the 'Add a UC Service' configuration page. The **Status** section indicates 'Status: Ready'. The **Add a UC Service** section includes the following fields:

- UC Service Type:** IM and Presence
- Product Type*:** Unified CM (IM and Presence)
- Name*:** CUP9
- Description:** CUP9 Server
- Host Name/IP Address*:** 10.53.54.101

Buttons at the bottom include Save, Delete, Copy, Reset, Apply Config, and Add New. A note at the bottom states: '* - indicates required item.'

Adding Users as UC Manager Users

- Assign user to Home Cluster (Service Discovery)
 - This box should be unchecked if user does not reside on that cluster
- Enable IM & P for user (unless phone only mode)
- Assign Appropriate UC Service Profile to user

Service Settings

Home Cluster

Enable User for Unified CM IM and Presence (Configure IM and Presence in the associated UC Service Profile)

Include meeting information in presence(Requires Exchange Presence Gateway to be configured on CUCM IM and Presence server)

[Presence Viewer for User](#)

UC Service Profile [View Details](#)

Miscellaneous

- Assign device to the user and associate device to user
- Add user to appropriate permission groups
- Enable Mobility (e.g. Extend and Connect)

Syncing Users to IM and Presence

Enable users for IM & P



Service Settings

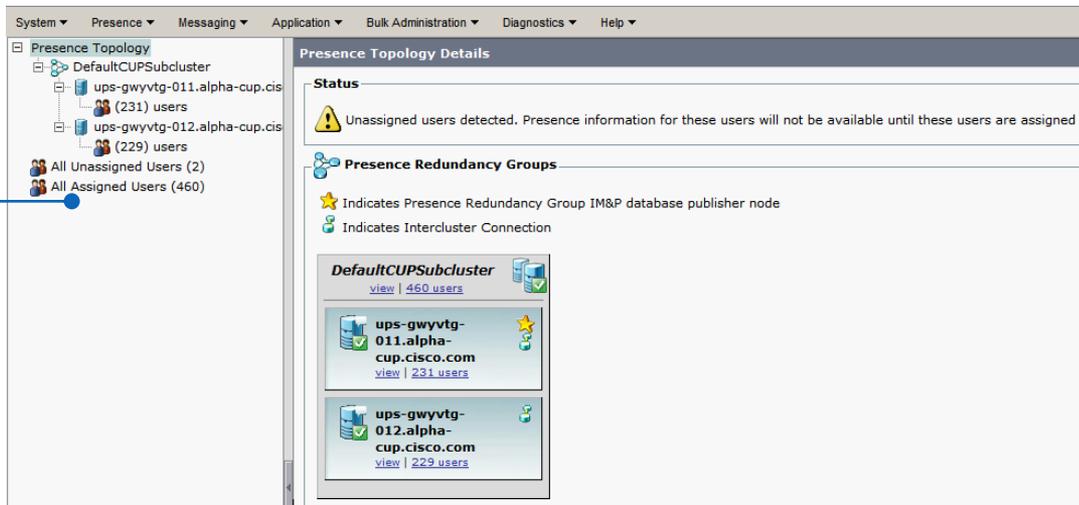
- Home Cluster
- Enable User for Unified CM IM and Presence (Configure IM and Presence in the associated UC Service Profile)
 - Include meeting information in presence (Requires Exchange Presence Gateway to be configured on CUCM IM and Presence server)

[Presence Viewer for User](#)

UC Service Profile: [View Details](#)

Users synced across all nodes

- IM & P nodes can also be used as HA nodes



Presence Topology Details

Status

- Unassigned users detected. Presence information for these users will not be available until these users are assigned

Presence Redundancy Groups

- ★ Indicates Presence Redundancy Group IM&P database publisher node
- 🔄 Indicates Intercluster Connection

DefaultCUPSubcluster
[view | 460 users](#)

| | |
|---|---|
| ups-gwyvtg-011.alpha-cup.cisco.com view 231 users | ★ |
| ups-gwyvtg-012.alpha-cup.cisco.com view 229 users | |

Presence Topology

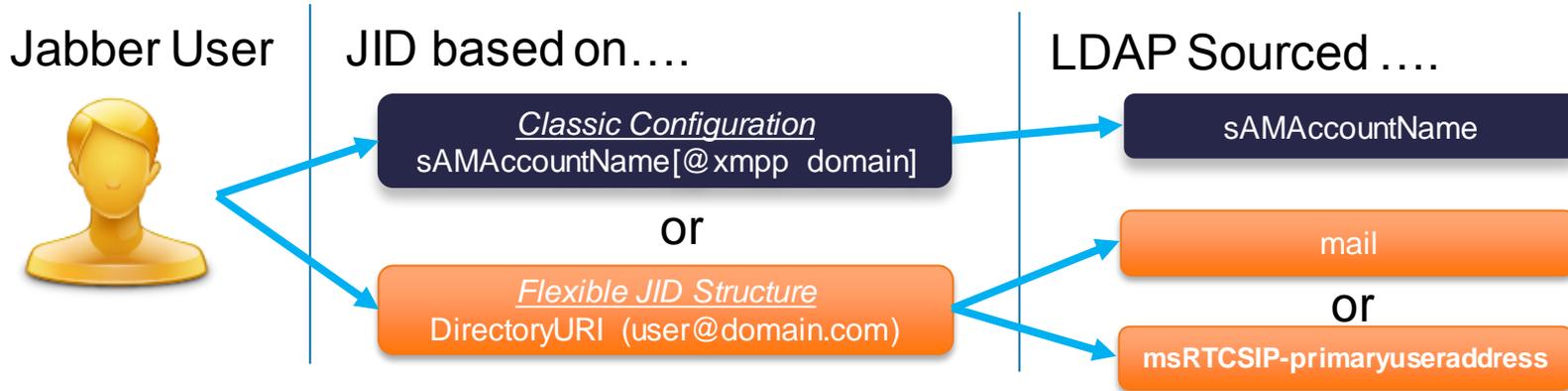
- DefaultCUPSubcluster
 - ups-gwyvtg-011.alpha-cup.cisco.com (231) users
 - ups-gwyvtg-012.alpha-cup.cisco.com (229) users
 - All Unassigned Users (2)
 - All Assigned Users (460)



Flexible JID

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Flexible Jabber ID (JID) Structure



- Jabber 10.6 provides the administrator flexibility when defining user JID
- JID can be based on CUCM DirectoryURI which is synced from LDAP
- JID structure becomes independent of UserID (UID) for authentication
- Supported on Windows, Mac, IOS and Android
- Supported with LDAP (BDI/EDI) and UDS contact sources

Flexible Jabber ID (JID) Structure

EXAMPLE: UserID:smillerJID:sue.miller@example.com

**UC Manager
LDAP
Directory
Settings**

-Standard User Fields To Be Synchronized-

| Cisco Unified Communications Manager User Fields | | LDAP Fields |
|--|--|-----------------|
| User ID | | sAMAccountName |
| Middle Name | | middleName |
| Manager ID | | manager |
| Phone Number | | telephoneNumber |
| Title | | title |
| Mobile Number | | mobile |
| Directory URI | | mail |



DB Sync

JID = URI:mail



CUCM

LDAP Sync

UID:sAMAccountName

URI:mail



AD

example.com

**Advanced Presence
Settings**

- Do not change Default Domain or IM Address scheme
- Default Domain*
- IM Address Scheme*

Directory URI

UserID@[Default Domain]

Directory URI

Jabber-config.xml

Jabber client



Need to configure Jabber to use SIP URI to resolve contacts!!!

Configuring Jabber for Flexible JID

- Jabber needs to be configured to use SIP URI to resolve contacts when flexible JID is used

```
<Directory>  
<UseSIPURIToResolveContacts>true</UseSIPURIToResolveContacts>  
<SipUri>mail</SipUri>  
<BDIUseSIPURIToResolveContacts>true</BDIUseSIPURIToResolveContacts>  
<BDISipUri>mail</BDISipUri>  
</Directory>
```

- Note that if using `msRTCSIP-primaryuseraddress` attribute to form the JID, a prefix `sip:` must be set in the `jabber-config.xml` so Jabber will add it to the JID when resolving against an AD attribute

```
<UriPrefix>sip:</UriPrefix>
```

```
<BDIUriPrefix>sip:</BDIUriPrefix>
```



Flexible Jabber ID (JID) Structure - Summary

- Provides Admin more flexibility over JID definition
- **Multiple JID domains in the same deployment are supported**
 - [first.last@domain1.com](#)
 - [username@domain2.com](#)
- Privacy settings for Multiple JID domains are not yet supported
- Simplifies Lync to Jabber Migration UserID management where userid not based on sAMAccountName in Lync deployment.
- Supported with Jabber 10.6 + and IM & Presence 10.0 +



Service Discovery

Service Discovery is for Cisco Jabber to...

Select...
Operating Mode



Cloud or On-Premises

Subscribe to...
UC Services



Determine...
Operating Location



Inside or Outside

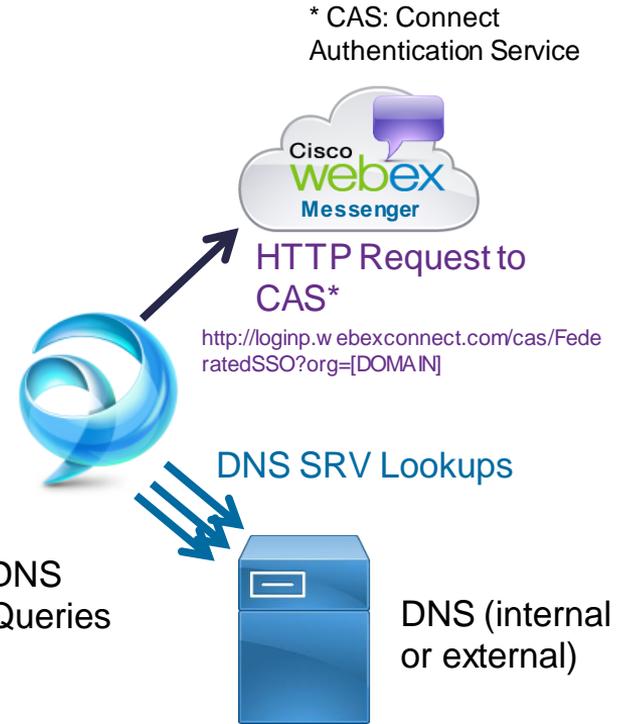
Discover...
UC Services Domain



Jabber Sends HTTP and DNS Queries

- Jabber sends all requests (HTTP request & DNS queries) simultaneously
- Among all returned, the record with the highest priority will be used for connecting to UC services
- Jabber will also evaluate returned responses to determine if it is inside or outside the organisation

| Priority | Service | HTTP Request / DNS SRV |
|----------|--------------------|---------------------------------|
| 1 | WebEx Messenger | HTTP CAS lookup |
| 2 | Unified CM 9.x | _cisco-uds._tcp.<domain_name> |
| 3 | Cisco Presence 8.x | _cuplogin._tcp.<domain_name> |
| 4 | Cisco Expressway | _collab-edge._tls.<domain_name> |



Jabber Establishes Services Domain

- Jabber needs to establish Services Domain name to send Service Discovery queries
 - Services Domain is usually the WebEx Messenger domain name or UC Manager domain name
- Jabber can establish the Services Domain in a number of ways
 - UPN discovery (Jabber for Windows only)
 - Enduser input
 - Preconfigure (Bootstrapping/MSI transformation or URL Configuration)
 - jabber-config.xml

UPN Discovery

- Jabber for Windows will not prompt user to enter login credentials until the Windows machine is connected to a network
- Once a network connection becomes available Jabber will initiate service discovery
- Jabber for Windows will attempt to use User Principal Name (UPN) for service discovery
 - e.g. smiller@example.com
 - example.com is used as the Services Domain (`_cisco-uds._ecp.example.com` etc)
 - “smiller” is used for home cluster discovery
- UPN Discovery can be disabled
 - `upnDiscoveryEnabled: true/false`

```
SystemDrive=C:  
SystemRoot=C:\Windows  
TEMP=C:\Users\smiller\AppData\Local\Temp  
TMP=C:\Users\smiller\AppData\Local\Temp  
USERDNS DOMAIN=EXAMPLE.COM  
USERDOMAIN=EXAMPLE  
USERNAME=smiller  
USERPROFILE=C:\Users\smiller  
USERDEFLOGDIR=C:\ProgramData\Mcafee\DesktopProtection  
windir=C:\Windows  
C:\Users\smiller>_
```



Services Discovery Configuration Preconfigure

- Jabber can be pre configured with Services Discovery information for various deployment needs name prior to installation
- Services Domain
 - Used to set domain for discovery
- Voice Services Domain
 - Used to set domain for discovery of SRV records if different to WebEx Messenger domain
- Excluded Services
 - Used to exclude specific services from Service Discovery
 - E.g. organisation may have WebEx Messenger domain but want to enable phone only mode

Services Discovery Configuration Preconfigure

- Jabber for Windows can be preconfigured with Services Discovery configuration via bootstrapping or MSI transformation

```
msiexec /i CiscoJabberSetup.msi SERVICES_DOMAIN=example.com  
VOICE_SERVICES_DOMAIN=uc.example.com
```

```
msiexec /i CiscoJabberSetup.msi SERVICES_DOMAIN=example.com  
EXCLUDED_SERVICES=WEBEX
```

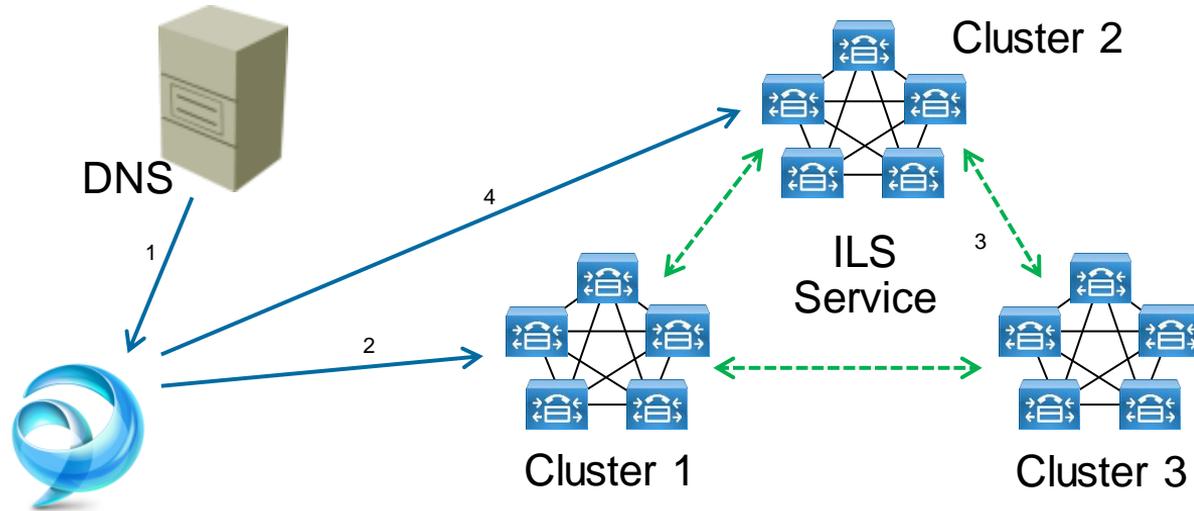
- Jabber for Mac can be preconfigured with Services Domain via URL Configuration

```
ciscojabber://provision?ServicesDomain=example.com&VoiceServicesDomain=uc.e  
xample.com
```

```
ciscojabber://provision?ServicesDomain=example.com&ServiceDiscoveryExcluded  
Services=WEBEX
```

Home Cluster Discovery

smiller's
homecluster is
Cluster 2



- DNS SRV returns a node in Cluster 1
- Jabber connects to node in Cluster 1 and asks for homecluster of “smiller”
- Cluster 1 queries other clusters for “smiller” home cluster via ILS Service and returns Cluster 2 to Jabber
- Jabber connects to Cluster 2 for service



Single Sign On

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Single Sign On

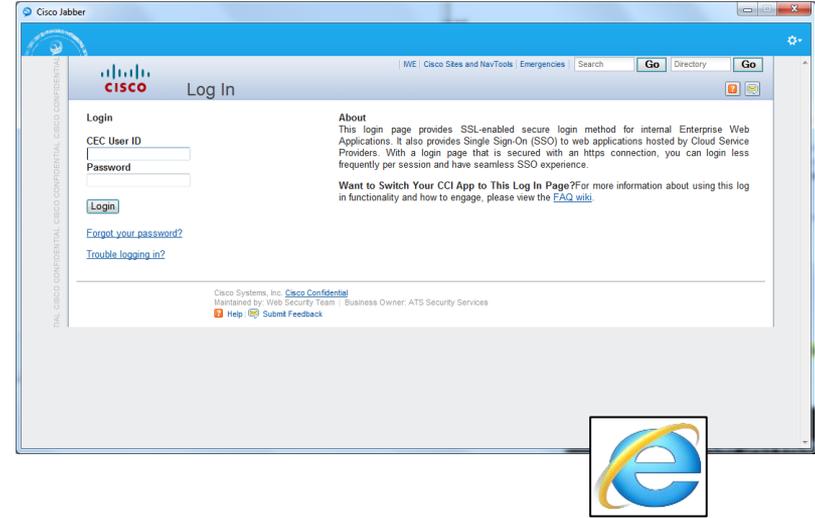
- Jabber 10.5 supports SAMLv2 based SSO
- Supported in cloud, on premise and hybrid deployments
- Supported with UC Manager 10.5 +
- Jabber users need to authenticate once with an Identity Provider (IdP) to gain authorisation and access to provisioned services
- Users no longer required to provide credentials multiple times for UC services
- Supported IdPs'
 - Ping Federate
 - Microsoft AD Federation Services (ADFS)
 - OpenAM
- Embedded browser (form based), Smart card and Kerberos Authentication supported



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Embedded Browser

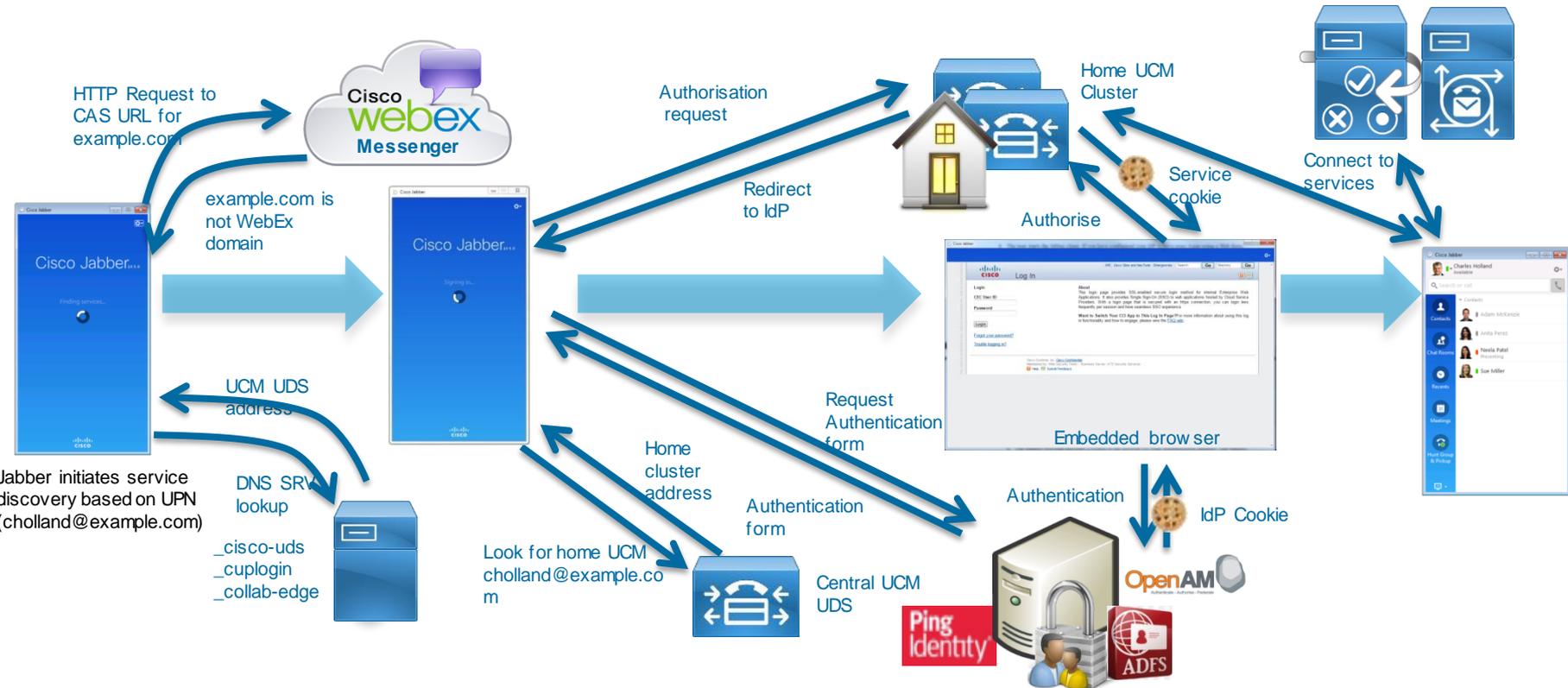
- When Jabber connects to the IdP, the IdP will provide a web form that will be displayed within an embedded browser (browser within Jabber)
- Automatically resizes
- Returns to original size after authentication
- Authentication process delegated from Jabber to the browser
- Browser will be able to utilise IdP cookie to gain authorisation to other SSO enabled services (e.g. WebEx Meetings)
- The Browser abstracts the client from details of:
 - IdP interaction and re-directs
 - IdP Login Screen
 - Password reset mechanism



| OS | Windows | MAC | iOS | Android |
|---|---------|--------|--------|---------|
| Underlying browser technology | IE | Safari | WebKit | WebKit |
| Control shares cookies with native OS browser | Yes | Yes | NO | NO |

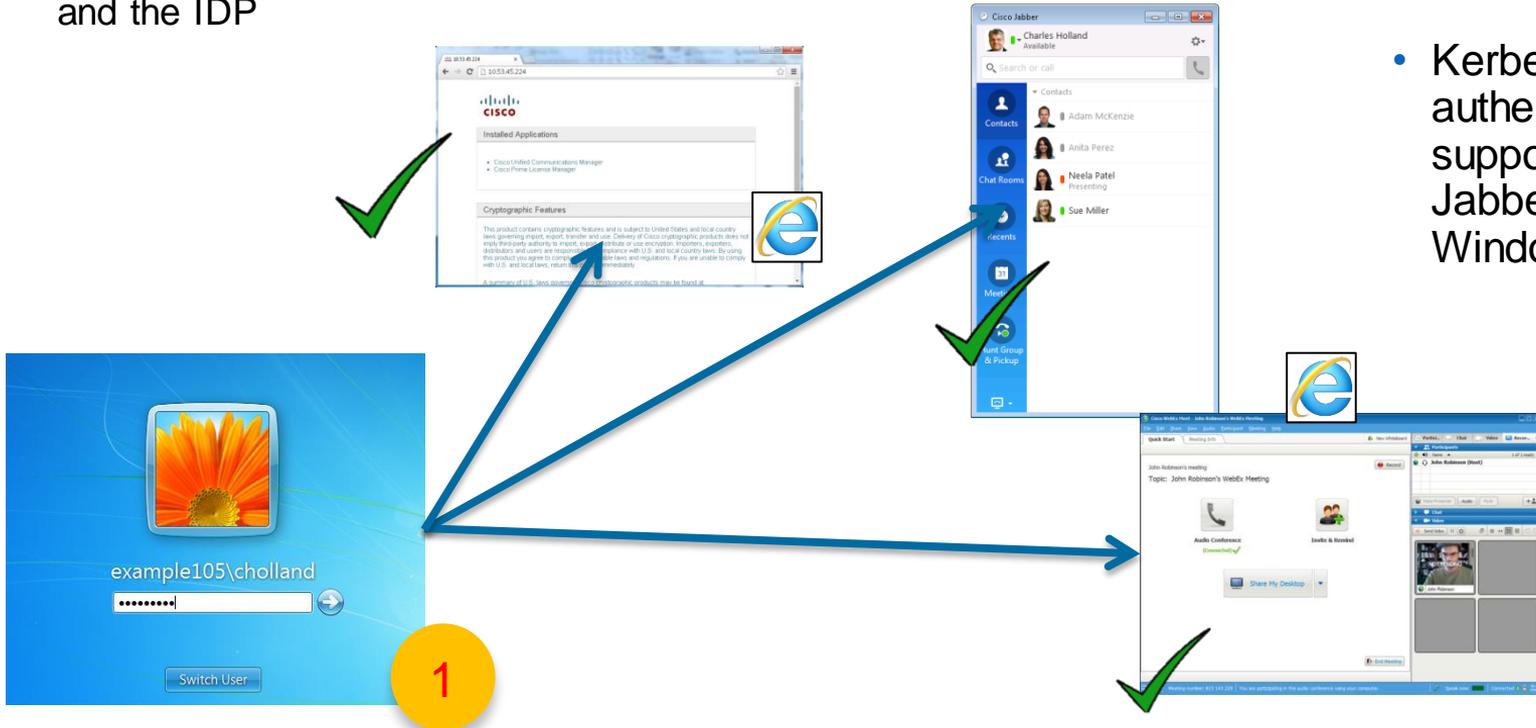
Cisco live!

SSO Login Flow – Embedded Browser



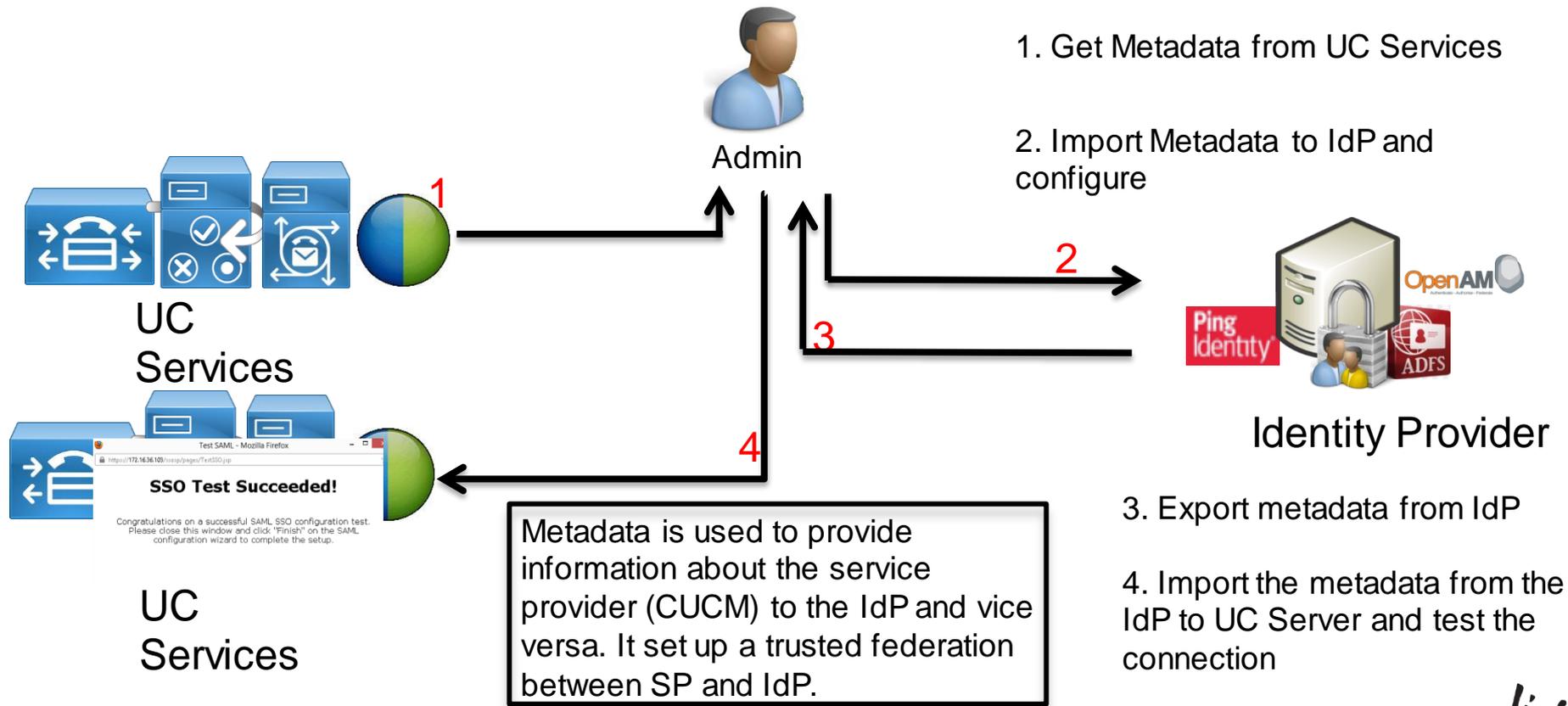
SSO Login - Kerberos

- Authentication based on login to a Windows domain
 - Jabber will automatically sign into services based on authentication between the OS and the IDP



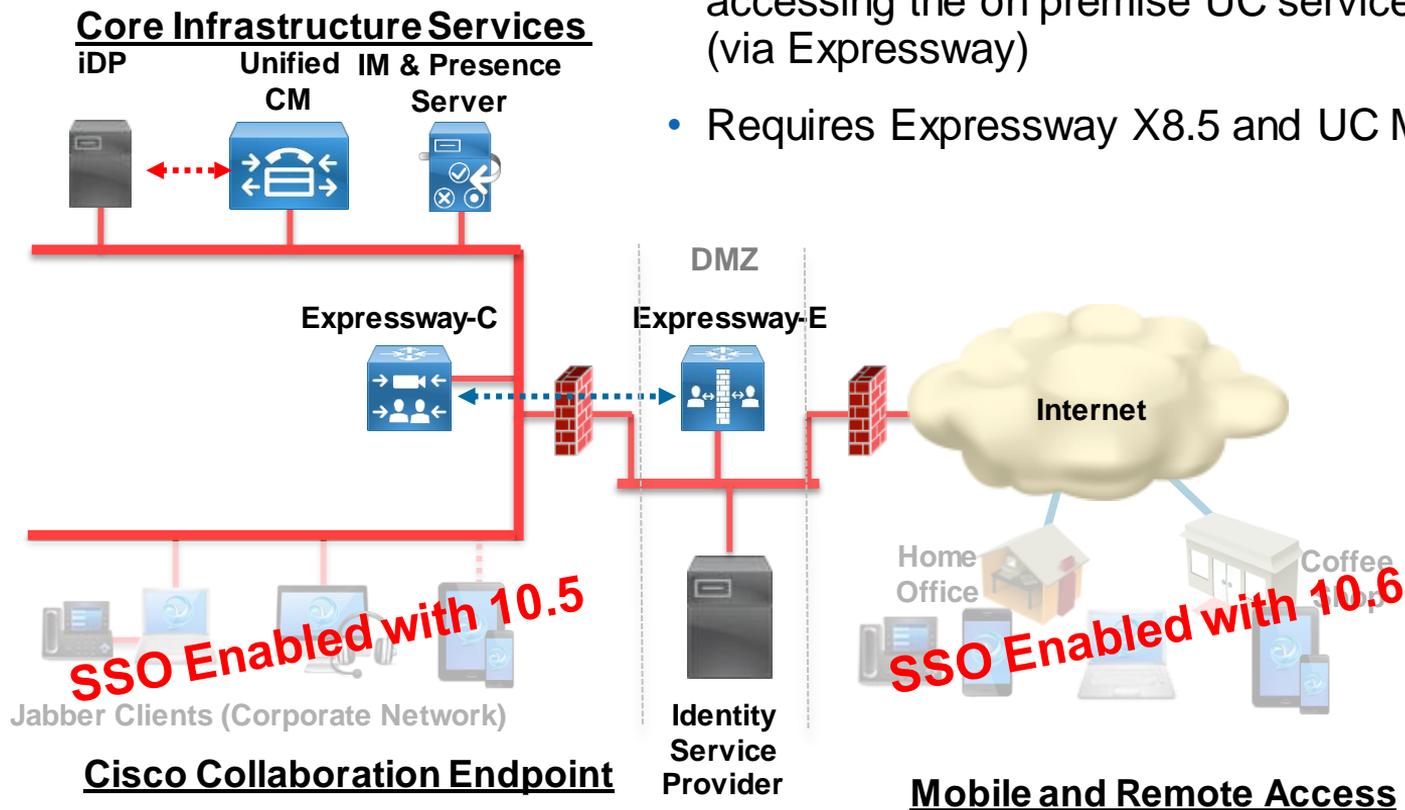
- Kerberos based authentication supported with Jabber for Windows and Mac

Configure SSO for Jabber



SSO and Mobile Remote Access

- Jabber 10.6 supports SSO based authentication when accessing the on premise UC services in MRA mode (via Expressway)
- Requires Expressway X8.5 and UC Manager 10.5.2+



A long-exposure photograph of a city street at night. The foreground is dominated by vibrant, multi-colored light trails from moving vehicles, creating a sense of motion and energy. In the background, modern city buildings are illuminated with various lights, and a pedestrian bridge spans across the street. The overall scene is a dynamic and colorful urban landscape.

Desktop Share

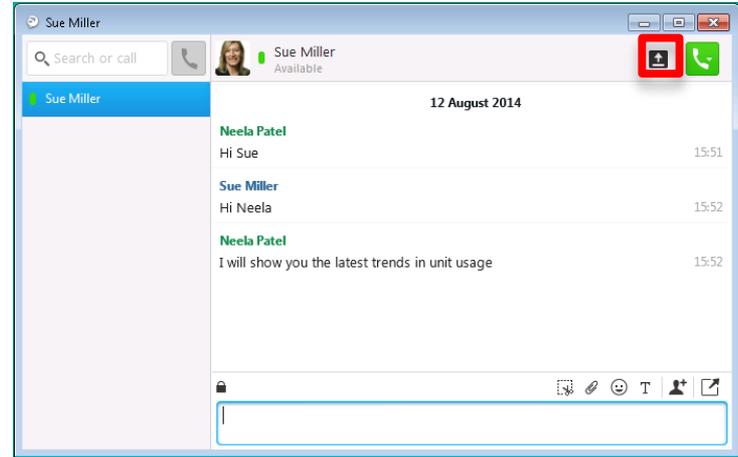
Jabber Desktop Share



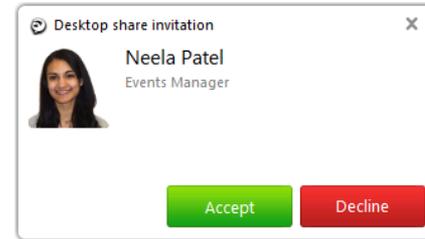
- Jabber supports a number of desktop sharing capabilities
 - Video Desktop Share (BFCP) (Jabber Windows and Mac, mobile platforms can receive)
 - IM Only Screen Share (Jabber for Windows)
 - WebEx Messenger Share (Jabber for Windows – Cloud mode only)
- A Video Desktop Share captures the desktop and sends the share as a video stream
 - Video Desktop Share requires an active softphone mode call
 - Video Desktop Share is enabled by default and can be disabled using the `jabber-config.xml` or the SIP profile
 - Interoperable with Jabber, TelePresence and Video Bridges (TPS)
- IM Only Screen Share is available in Jabber for Windows 10.5 +
 - No active call required

IM Only Screen Share

- Screen share from an IM session
 - No requirement for active call
- Support for multiparty screen share – up to 1 + 5 participants
- Support for Remote Desktop Control
- Independent of telephony mode
 - Softphone mode and deskphone mode supported
- Protocols & Port Numbers
 - IM Screen share capabilities negotiated through xmpp session
 - IM Screen share media selects a random TCP port ranging from 49152 to 65535



Screen share button



Recipient can accept or decline the share invitation

Which Share is Initiated?

- From an IM Session with another Jabber for Windows user:
 - An IM only based screen share will be initiated
- From an IM session with a Jabber for Mac user
 - A video desktop share will be initiated
- From an active softphone mode call:
 - A video desktop share will be initiated
- If an IM only screen share has been initiated before a call:
 - The IM only based screen share session will be maintained
- IM Screen share enabled by default
 - Can be disabled using jabber-config.xml

```
<Policies>  
  <enablep2pdesktopshare>False</enablep2pdesktopshare>  
</Policies>
```

Desktop Share Priority

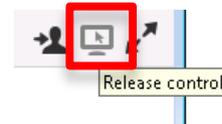
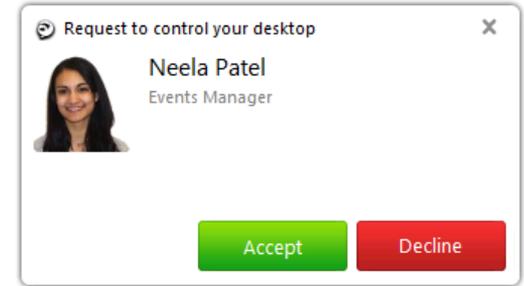
Video Desktop Share

IM Only Desktop Share

WebEx Messenger Desktop Share

Remote Desktop Control

- IM Only desktop share recipients can request to take control of desktop share initiators remote desktop
- Initiator is prompted to accept the remote control request
- Share recipient can release control
- Initiator can revoke control at any time





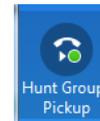
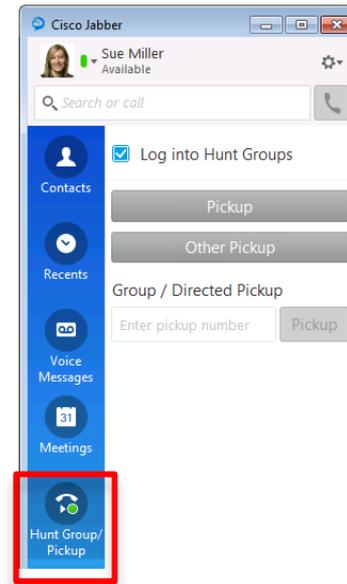
Hunt Groups and Pickup

Hunt Group

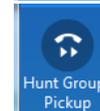
- “Hunt Groups enable incoming calls to be directed to a group of users”
- Supported on Jabber for Windows (softphone mode)
- New tab to access Hunt Group Log in/Out checkbox
- Enabled by a jabber-config key

```
<Options>  
  <EnableHuntGroup>True</EnableHuntGroup>  
</Options>
```

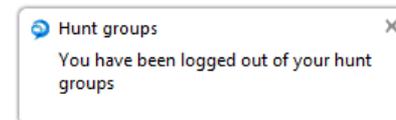
- Tab also used for Call Pickup and Group Pickup feature



Logged into Hunt Groups

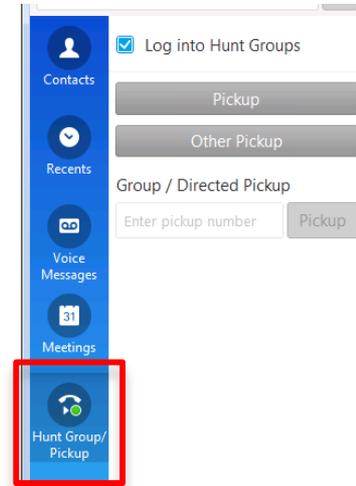


Not logged into Hunt Groups



Call Pickup / Group Pickup / Directed Group Pickup

- Call Pickup allows users to pick up incoming calls within their own group
- Group Pickup allows users to pick up an incoming call to another associated group
- Directed Call Pickup allows users to pick up incoming calls to another group by way of group DN
- Utilises same tab as Hunt Group
- Hunt Group is not a requirement
- Enabled by a new jabber-config key

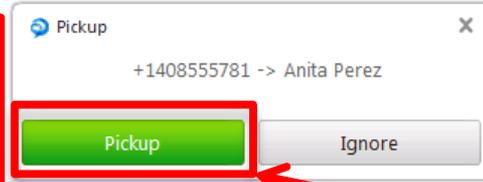


```
<Options>
  <EnableCallPickup>True</EnableCallPickup>
  <EnableGroupCallPickup>True</EnableGroupCallPickup>
  <EnableOtherGroupPickup>True</EnableOtherGroupPickup>
</Options>
```

Pickup a Call

Call Pickup

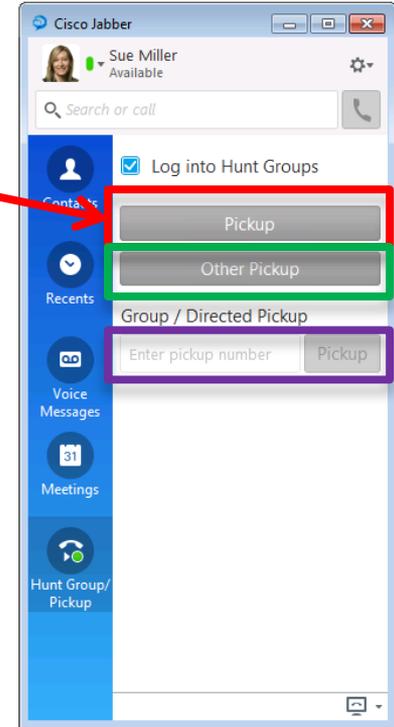
Pickup a call to a user in the same group
Click "Pickup" on toast or Hub Tab



Group Pickup / Other Pickup

Pickup a call to a user in another associated group

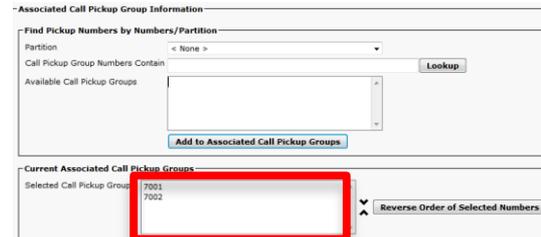
Call Pickup Group Number must be associated with your Call Pickup Group on CUCM
Click "Other Pickup" on the Hub Tab



Directed Call Pickup

Pickup a call to a user in another group (not associated)

Type the Call Pickup Group Number into the text box and click pickup

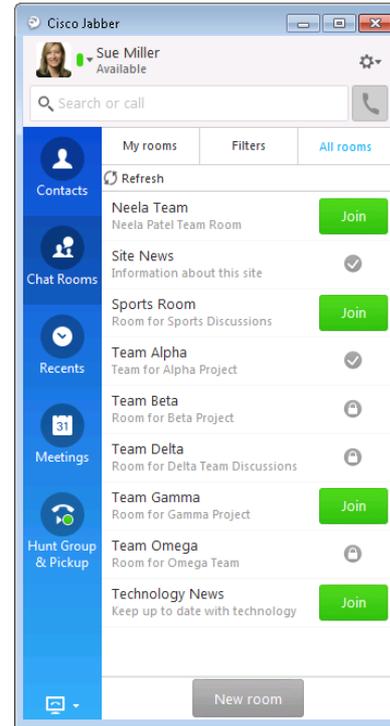


A nighttime photograph of a city street. In the background, there are modern buildings with lit windows and a pedestrian bridge with blue lighting. The middle ground shows a road with traffic lights and some vehicles. The foreground is dominated by long, curved light trails in yellow, orange, and red, suggesting a long-exposure shot of light trails from a moving light source. The overall scene is vibrant and urban.

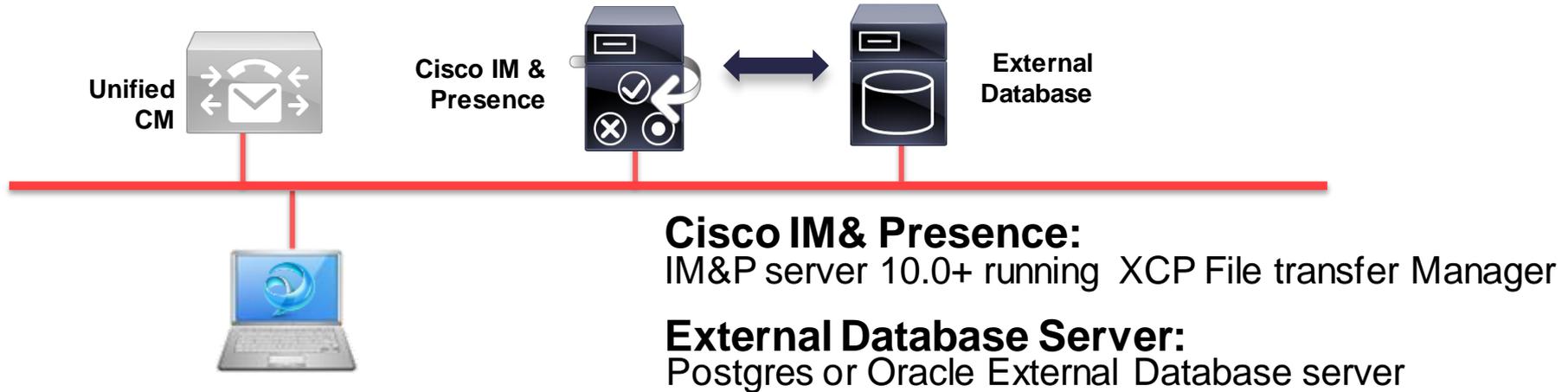
Persistent Chat Rooms and File Transfer

Persistent Chat Rooms

- Jabber for Windows Features include
 - Administration
 - Moderation
 - Room Search
 - Notifications
 - Room Password Protection
- Requirements
 - Unified CM IM & Presence 10.0 +
- Database
 - PostgreSQL Database 8.3.x through 9.1.1
 - Oracle 9G, 10G, 11G
 - The database deployment is platform independent (Windows or Linux)



Persistent Chat Rooms Architecture



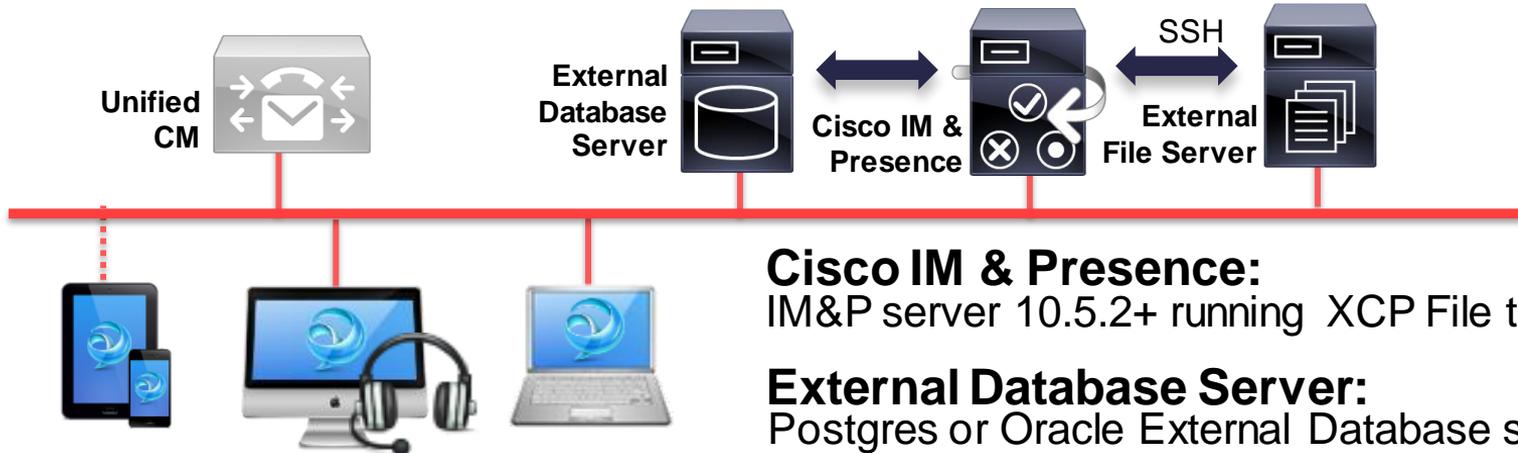
Jabber for Windows

All Persistent Chat Room messaging is stored on an external database.
All messaging (XMPP) is routed from Jabber to the IM & P server. The IM & P server then writes this data to the external database

File Transfer Enhancements

- Jabber 10.6 introduces a new option for file transfer
- New architecture based on IM & P 10.5.2 Managed File Transfer feature
 - File transfers are stored to external file server
 - Audit logs written to external database
 - Feature supported on Jabber for Windows, Mac, Android and IOS
- Feature includes the following
 - Group Chat support of File Transfer
 - Persistent Chat Room support of File Transfer
 - Support of Compliance & Policy control of File Transfer
 - Admin control of maximum file transfer size
- In pre IM & P 10.5.2 environments, file transfer will revert to point to point model (Jabber for Windows)
- Point to Point based file transfer is available for mixed deployments
 - Can be configured on IM & Presence

File Transfer Architecture



Jabber Clients

10.6 desktop and mobile clients

Cisco IM & Presence:

IM&P server 10.5.2+ running XCP File transfer Manager

External Database Server:

Postgres or Oracle External Database server

External File Server

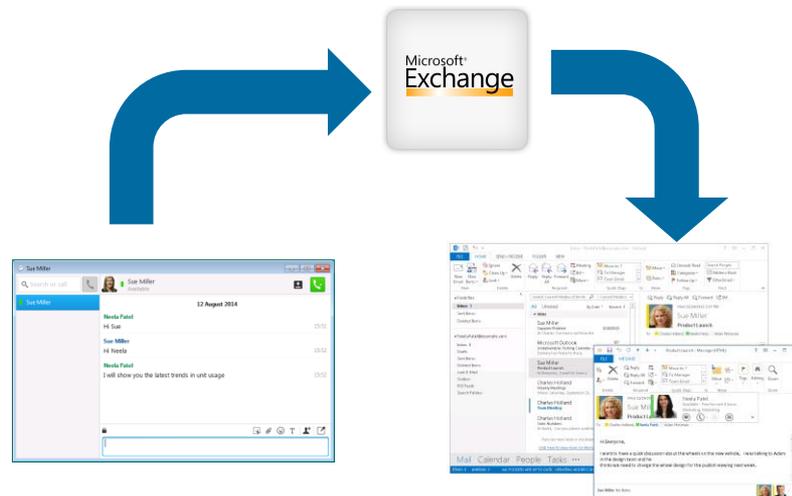
Linux server (sshd) providing file storage and distribution

A long-exposure photograph of a city street at night. The foreground is dominated by vibrant, multi-colored light trails from moving vehicles, creating a sense of motion and energy. In the background, modern city buildings are illuminated with various lights, and a pedestrian bridge spans across the street. The overall scene is a dynamic urban environment.

What's New in Cisco Jabber Desktop

Save Chat to Outlook

- Jabber for Windows 10.6 allows chat history to be automatically stored in a Microsoft Exchange folder which can be viewed through Outlook
 - Jabber connects to Exchange via Exchange Web Services (EWS)
- Supported with Exchange 2010 and 2013
- Jabber can discover Exchange server via
 - Autodiscovery based on Services Domain
 - jabber-config.xml file
 - Manual entry (enduser)
- Jabber can authenticate with Exchange using
 - OS level SSO
 - Credential Syncing with UC Service
 - Manual authentication (enduser)
- Feature can be enabled/disabled by an administrator or enduser



Location: Display Current Location



- User can assign a Location name, address & time zone for each network* location detected by Jabber to show contacts where they are working.
- Feature can be disabled by both admin and user. User can choose which locations to publish
- Most recent active client will be the published location
- Mobile Jabber location will be @mobile, not geolocation

*Network location - Each unique subnet & Default gateway Mac address pair



Jabber Release 10.6



Jabber for Windows

Chat & Presence Features

- Alert when available
- Locations
- Print Chat
- Save Chat to File
- Save Chat to Outlook
- Conversation Tab reordering
- Conversation Tab switching shortcut (CTRL –TAB)
- Chat Security Labels [XEP-258]
- Group Chats – remove participants
- Chat Room Passwords

Share Enhancements

- New share menu (Webex & screen share)
- File transfer size limit
- File Attachments in Group Chats (on prem)
- File Attachments in Chat Rooms (on prem)
- File transfer compliance & audit

Telephony Features

- Calls – Do Not Disturb
- Call notifications on other device
- Early Mute – mute before answer
- Call Statistics Menu item
- Audio Device selection
- Ring on all devices

Admin & User Management

- Single Sign On for Remote Access
- Mandatory Upgrades [10.5.2]
- Flexible Jabber ID (JID) Structure

Security

- US Federal Market - FIPS 140-2 Compliance
- Information Assurance improvements





Jabber Release 10.6



Jabber for Mac

Chat & Presence

Chat Themes

Share Enhancements

File transfer size limit

File Attachments in Group Chats (on prem)

File Attachments in Chat Rooms (on prem)

File transfer compliance & audit

Telephony

Phone mode

Custom Contacts

Admin & User Management

SSO for Remote Access

Flexible Jabber ID (JID) Structure

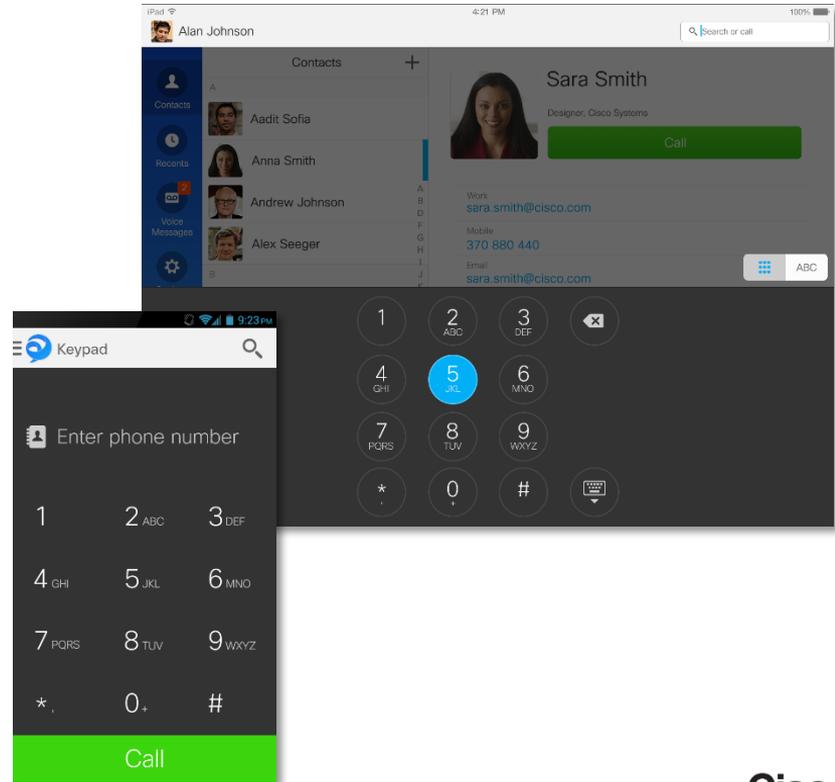
64 Bit Mac

A long-exposure photograph of a city street at night. The foreground is dominated by vibrant, multi-colored light trails from moving vehicles, creating a sense of motion and energy. In the background, modern city buildings are illuminated with various lights, and a pedestrian bridge spans across the street. The overall scene is a dynamic urban environment.

What's New in Cisco Jabber for Mobile

What's New in Jabber 10.5 for Mobile

- SAMLv2 Single Sign-On (SSO)
- Phone-only mode
- More Android smartphones & tablets
- HD quality video on iPhone & iPad
- Answer hunt group calls
- Visual design refresh
- Reset Jabber
- Telemetry service support



What's New in Jabber 10.6 for Mobile

Available
Today

- SAMLv2 SSO over Cisco Expressway
- Flexible Jabber ID (JID) & multiple IM address domain support
- File transfer with 3rd party cloud storage system integration
- BFCP-based desktop sharing (receive only on tablets)
- Answer without unlocking on iOS
- Real-time audio/video statistics
- Call Park
- SRST Failover
- More smartphones & tablets (including iPhone 6 & 6 Plus)
- Cisco DX Series support

New Android tablets:

Samsung Galaxy Tab Pro 8.4 & 10.1
Samsung Galaxy Tab S 8.4 & 10.5
Samsung Galaxy Tab 3 8.0
Samsung Galaxy Tab 4 7.0, 8.0 & 10.1
Google Nexus 7
Sony Xperia Z2 Tablet
Cisco DX Series

New Android smartphones:

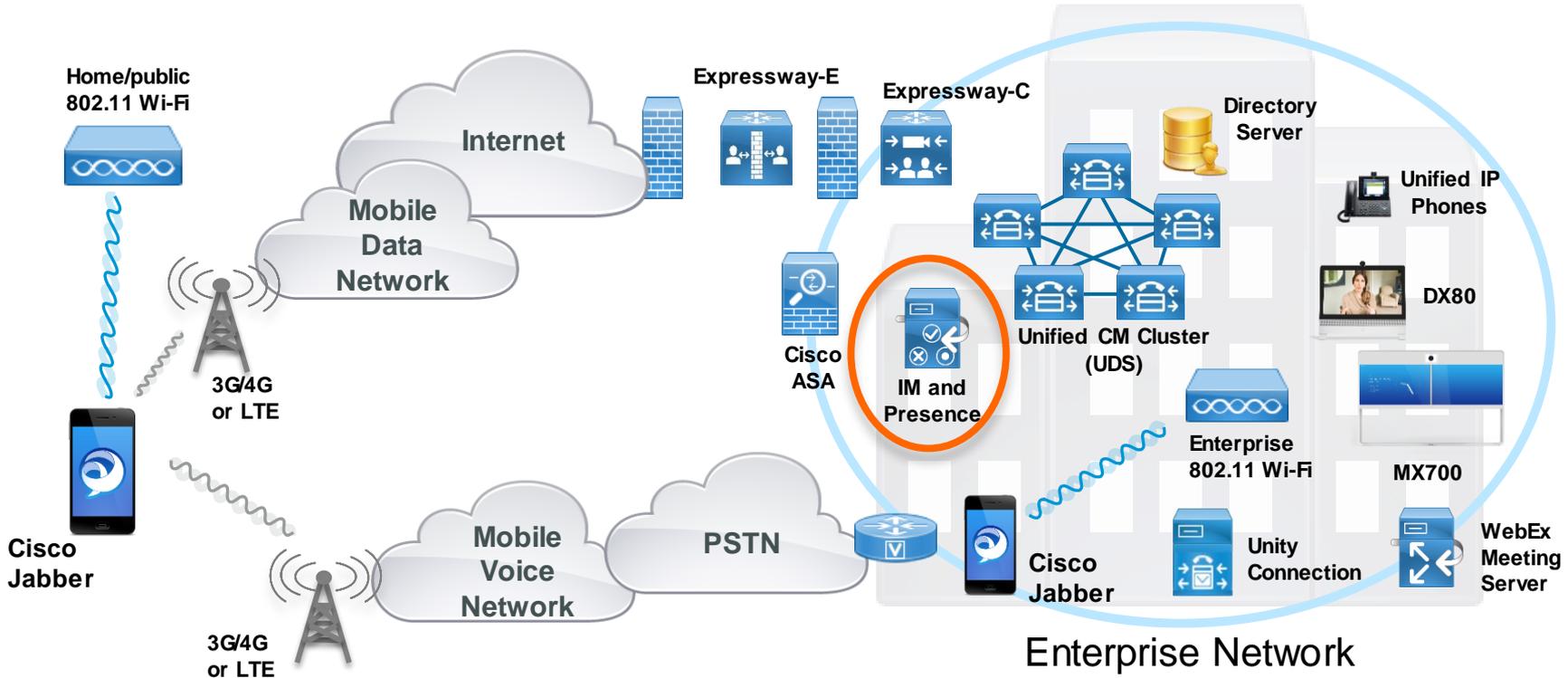
Samsung Galaxy S5 Mini
Samsung Galaxy Note 4
Sony Xperia Z3
HTC One Max
HTC One M7 & M8
LG G3

Android 5.0 Lollipop support

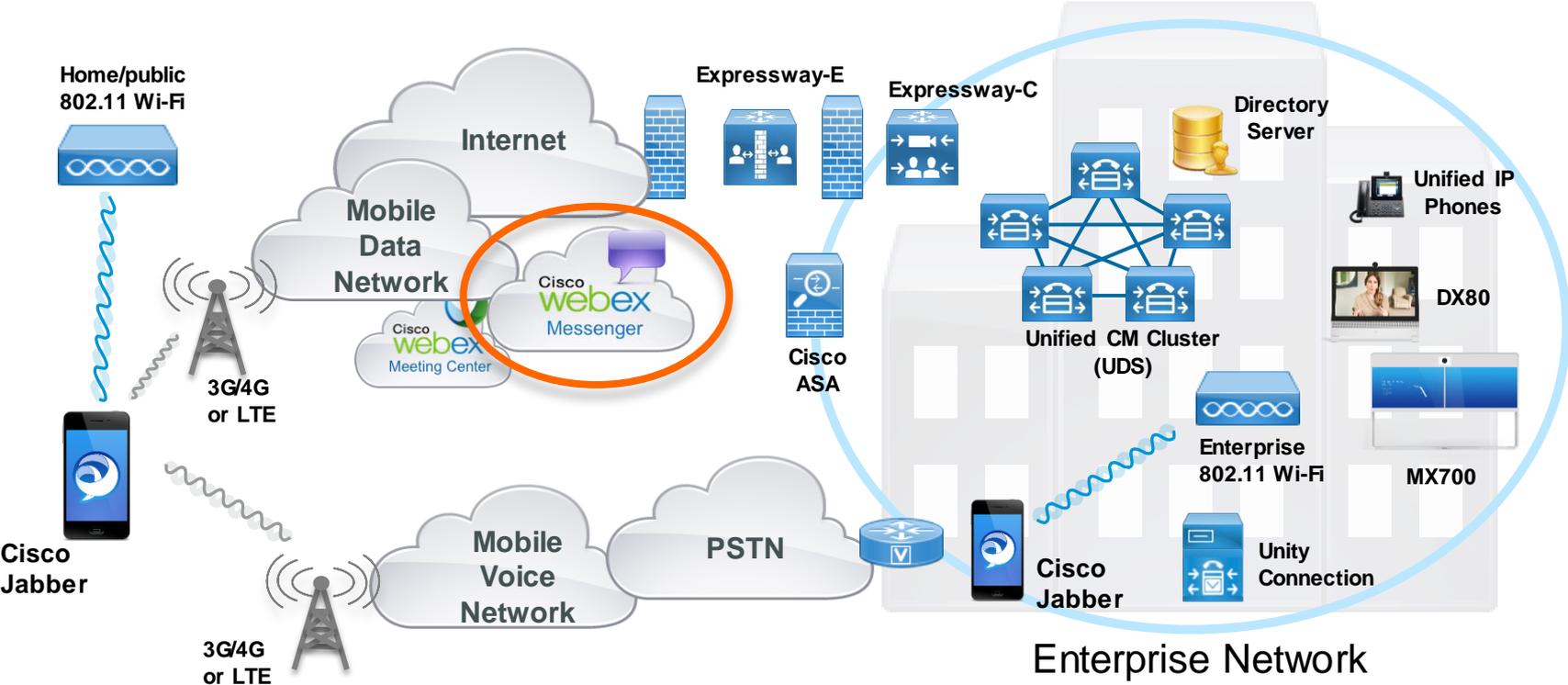


Solution Architecture Including Mobile

Cisco Jabber On-Premises Deployment



Cisco Jabber Hybrid Deployment

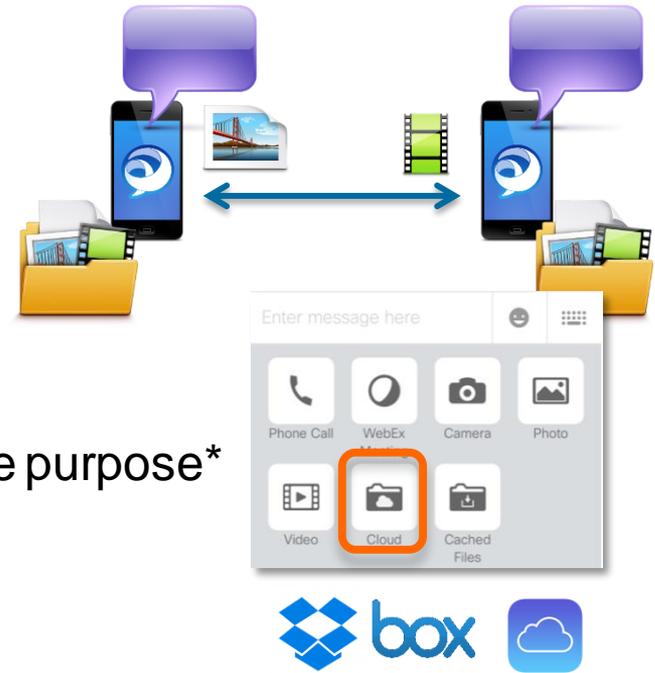


Device Type in Unified CM

| Platform | iPad & Android Tablet w/o Cellular Voice Capability | iPhone | Android Smartphone & Tablet w/ Cellular Voice Capability |
|-----------------------------------|---|---|---|
| Product Type (Device 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. TABKJONES | TCT <USERID> e.g. TCTKJONES | BOT <USERID> e.g. BOTKJONES |
| COP File | A COP file is required for all supported versions of Unified CM | A COP file is required for all supported versions of Unified CM | A COP file is required for all supported versions of Unified CM |

File Transfer in Cisco Jabber 10.6 for Mobile

- Users can share photos, files & screen captures
- In a 1:1 chat or a group chat*
- Integration with 3rd party cloud file storages
- Save received files on mobile devices
 - Android – received files in SD card
 - iOS – sent/received files in Jabber app folder
- File transfer events can be logged for compliance purpose*



* File transfer in group chats & compliance logging require Managed File Transfer turned on.

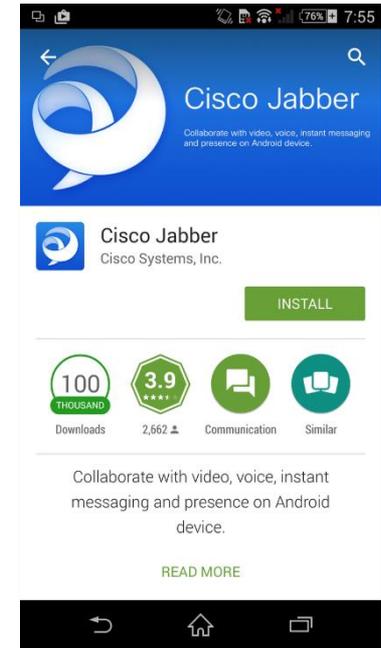
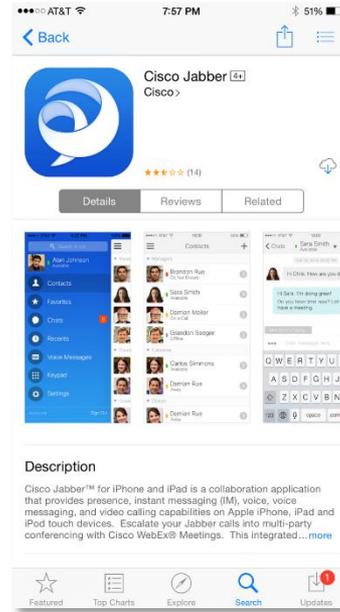
A long-exposure photograph of a city street at night. The foreground is dominated by vibrant, multi-colored light trails from moving vehicles, creating a sense of motion and energy. In the background, a modern cityscape is visible, featuring a prominent pedestrian bridge with blue lighting and several tall buildings with illuminated windows. The overall scene is a blend of urban architecture and dynamic light patterns.

Distributing Cisco Jabber for Mobile

Where to Find the Latest FCS Software

- Cisco Jabber is a free download
- Recommended that end users download/upgrade directly from **App Store** or **Google Play Store**
- 3rd party MDM/MAM* solution may be used to wrap/distribute Jabber within the organisation

* MDM (Mobile Device Management) / MAM (Mobile Application Management)



Community Based App Wrapping Support

- Looking to building out an on-line community in **Customer Connection Program (CCP)** to support for Jabber wrapping
- Distribute software outside of App Store while staying in Apple's developer license agreement
- For customers & partners (invitation only)
- Starting with several leading MAM/MDM makers but plan to expand to cover more vendors



Key Takeaways

- Cisco Jabber can provide the **core UC features with video** on most commonly used mobile devices
- Cisco Jabber can be deployed either **on-premise** or in the **cloud**
- Cisco Jabber is flexible, and can operate in three different modes: full UC, phone-only & IM-only
- **User Experience** is the main focus for Cisco Jabber. Delighting the end-user!



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- www.linkedin.com/in/odwyerpaul



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