



Unified Communications 8.6 Update

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Agenda

- UC on UCS
- Call Control
- Collaboration Applications
- Licensing Update
- Q & A



Cisco Collaboration Portfolio



UC on UCS



Cisco UC on UCS

- Introducing ability to deploy Unified Communications applications in a virtualized environment
 - Supported on Unified Computing System
 - Based on market-leading VMware vSphere ESXi
- Ensure performance, reliability, management and high availability
- Support across key UC applications



UCS B200



UCS C200

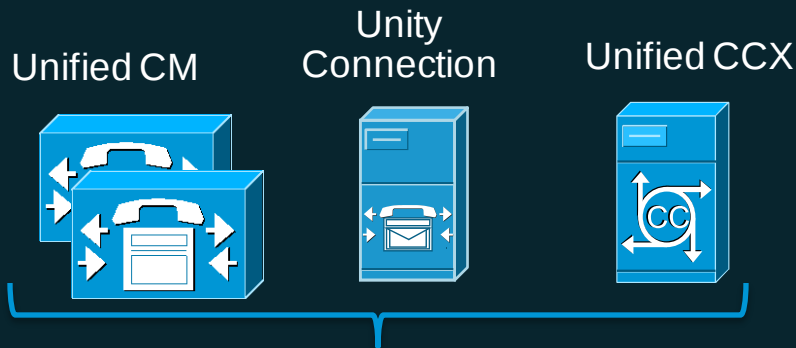


UCS C210

Benefits

- Lower TCO
- Increased Agility
- Investment Protection

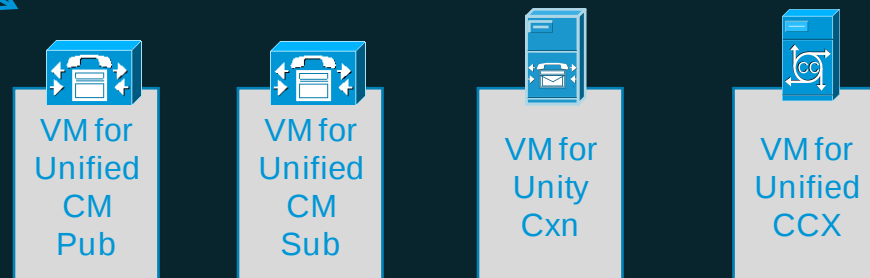
Basic Design Implications: Same SOFTWARE, Different HARDWARE approaches



or



4 physical servers
Each MCS 7800 hosts only one UC app instance

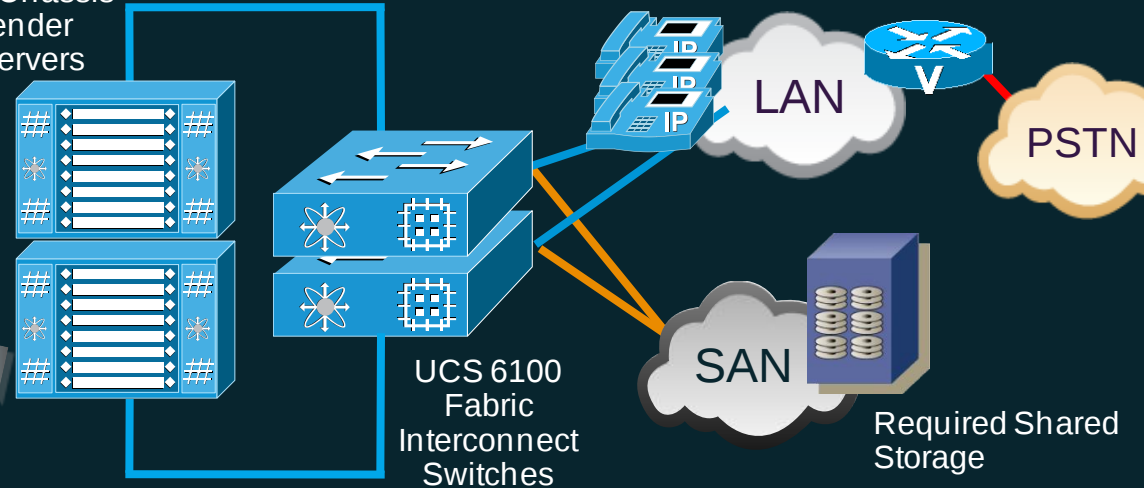


4 virtual servers (VM's) on 1 physical server
Single virtualized server with total 8 physical cores hosts all UC app instances

UC on UCS Solution Components

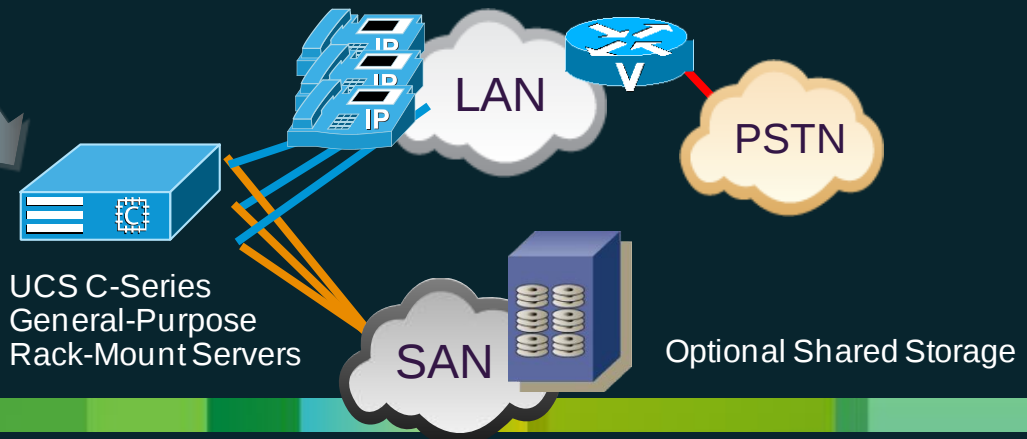
UCS 5100 Blade Server Chassis
UCS 2100 Fabric Extender
UCS B-Series Blade Servers

“UC on UCS” B-Series



Cisco Unified Communications 8.6

“UC on UCS” C-Series



Tested Reference Configurations (TRCs)

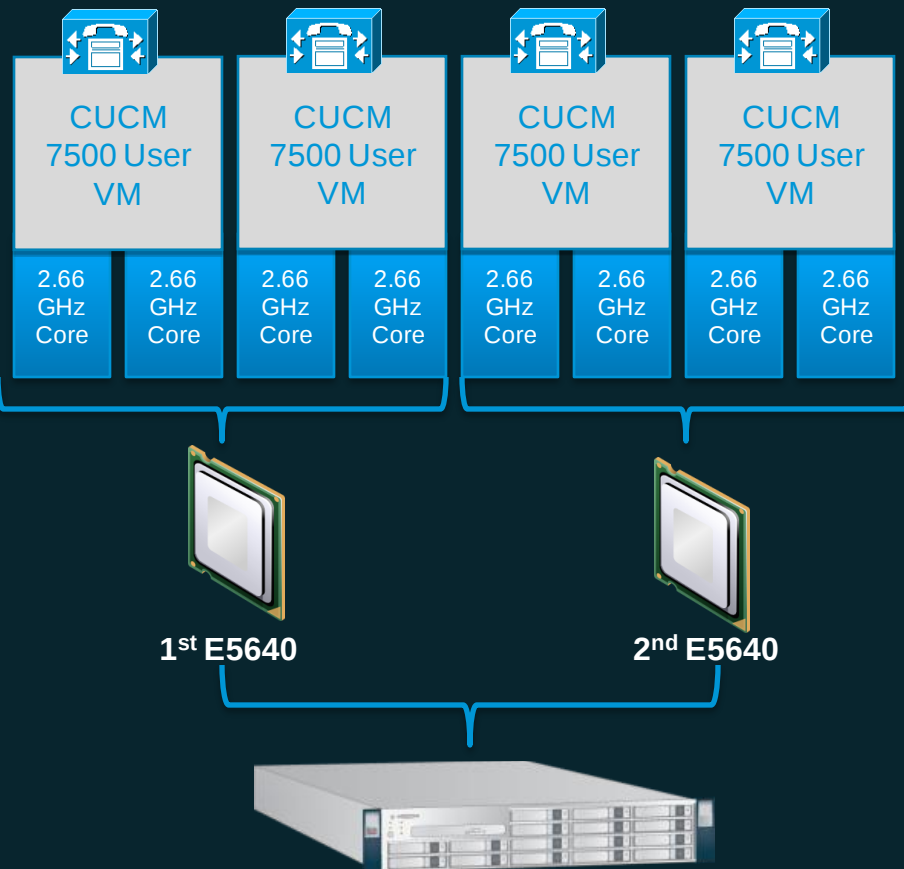
Server Model	Tested Reference Configuration (TRC)	CPU	RAM	Storage	Adapters	Notes
UCS B200 M2 Blade Server 	TRC #1	Dual E5640 (8 physical cores total)	48GB (12x4GB)	DAS (RAID1) for VMware, FC SAN for UC apps	Cisco VIC	UCS-B200M2-VCS1
	TRC #2	Dual E5640 (8 physical cores total)	48GB (12x4GB)	Diskless - FC SAN for VMware and UC apps	Cisco VIC	Sold as Cisco Data Center SKUs only
UCS C210 M2 General-Purpose Rack-Mount Server 	TRC #1	Dual E5640 (8 physical cores total)	48GB (12x4GB)	DAS (2 disks RAID1) for VMware + DAS (8 disks RAID5) for UC apps	1GbE NIC	UCS-C210M2-VCD2
	TRC #2	Dual E5640 (8 physical cores total)	48GB (12x4GB)	DAS (2 disks RAID1) for VMware, FC SAN for UC apps	1GbE NIC and 4G FC HBA	Sold as Cisco Data Center SKUs only
	TRC #3	Dual E5640 (8 physical cores total)	48GB (12x4GB)	Diskless - FC SAN for VMware and UC apps	1GbE NIC and 4G FC HBA	Sold as Cisco Data Center SKUs only
UCS C200 M2 General-Purpose Rack-Mount Server 	TRC #1	Dual E5506 (8 physical cores total)	24GB (6x4GB)	DAS (4 disks RAID10) for VMware + UC apps	1GbE NIC	UCS-C200M2-VCD2 (note: only scaled for <1K users depending on UC app)

Examples of Supported VM Configurations (OVAs)

Not exhaustive, subject to change, see http://docwiki.cisco.com/wiki/Unified_Communications_Virtualization for latest

UC app	Scale ("users*")	vCPU (cores) Usually 2.53+ GHz per core required	vRAM (GB)	vDisk (GB)	Notes
Unified CM	1,000	2	4	1 x 80	UCS C200 or BE6K only
	2,500	1	2.25	1 x 80	Not for use with C200/BE6K
	7,500	2	6	2 x 80	
	10,000	4	6	2 x 80	
Unity Connection	500	1	2	1 x 160	Not for use with C200/BE6K
	1,000	1	4	1 x 160	
	5,000	2	4	1 x 200	
	10,000	4	4	2 x 146	
	20,000	7	8	2 x 300	
Unified Presence	1,000	1	2	1 x 80	Not for use with C200/BE6K
	2,500	2	4	1 x 80	
	5,000	4	4	2 x 80	
Unified CCX	100	2	4	2 x 146	UCS C200 or BE6K only
	300	2	4	2 x 146	Not for use with C200/BE6K
	400	4	8	2 x 146	

Specs-based: Selecting CPU Model, Cores and Speed



**UCS C210 M2
TRC#1**

UCS C210M2 TRC#1 was sized for:

4x CUCM 7500 user VMs, each at full load
or 8x CUCM 2500 user VMs, each at full load

What CPUs can I use?

56xx and 75xx families, but see below.

How many CPUs do I need?

How many cores do I need?

Depends on how many VMs and what size.

E.g. 6x 7500 user VMs need 12 cores per box,
e.g. dual 6-core.

E.g. 3x 2500 user VMs only need 3 cores per
box, fits on single 4-core or 6-core.

What speed per core do I need?

Based on TRC. Usually 2.53+ GHz for most UC VMs.

Platform Options



1

Tested Reference
Configuration (TRC)



B200



C210



C200M2

2

Specs-Based

(Subset of UC applications)



Cisco Business Edition 3000



Cisco BE 3000 Product Overview

- Purpose-built Linux appliance for medium-sized businesses
 - Integrated gateway ports
 - Wall mounting and rack mounting
 - Factory-installed image for simplified deployment
- Up to 300 users (400 phones/lines), up to 10 sites
- Simplified administration and user interface
 - Requires limited IT resources to support
 - Pre-configured country dial plans
- Applications: integrated voice messaging, auto attendant & mobility (single number reach, extension mobility), click-to-call
- Phones supported: Unified SIP Phone 3905, Unified IP Phone 6900 Series, 8900 Series, Unified IP Conference Station 7937G, Cisco IP Communicator

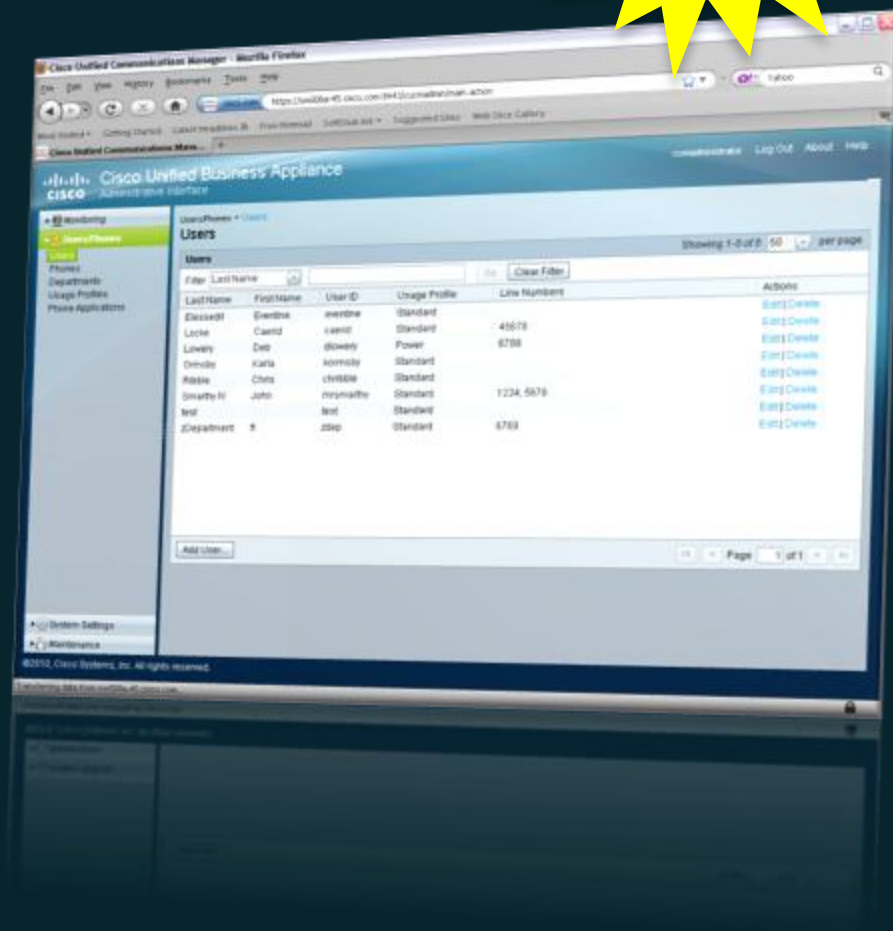


MCS 7890

Simple Intuitive Management

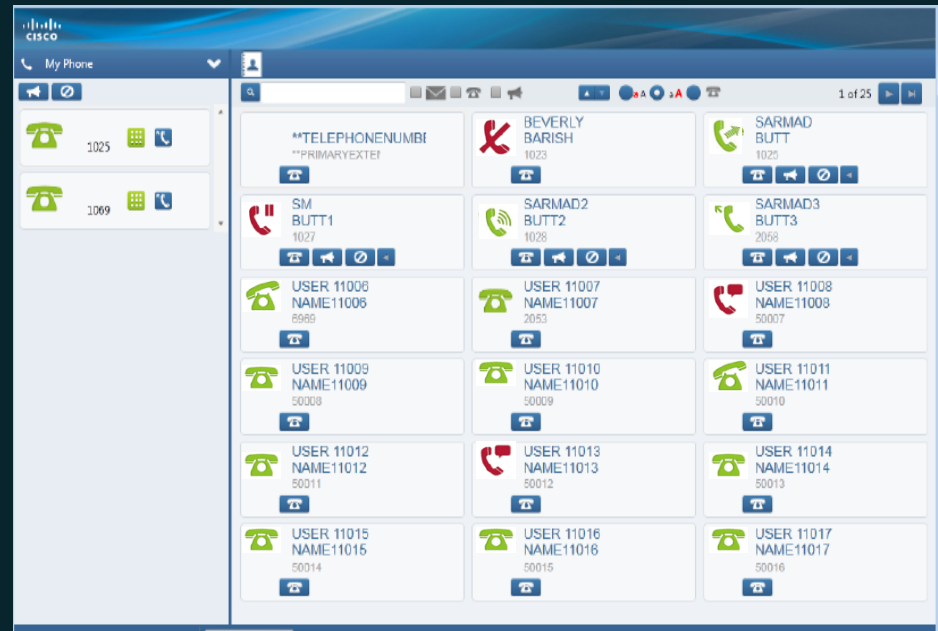
ALL
NEW!

- First time setup wizard provides easy and quick setup of the system – now measured in minutes vs. hours
- Option to upload preconfigured spreadsheet of customer data and provision system within 20 minutes
- Simple moves/adds/changes
- Localized administration with Country Packs



Cisco Unified Attendant Console - Compact Edition (CUAC-CE)

- CUAC-CE is an intuitive client application that enables the user to:
 - Answer telephone calls using Windows PC to control Cisco IP Phone
 - Search a directory up to 300 contacts
 - Transfer calls to a contact
 - Monitor status of a contact
 - Set Do Not Disturb or Call Forward
 - One to one Paging using Cisco IP phone
- **Technical Specifications**
 - **No additional servers required**
 - Runs on Windows based PC (32 bit)
 - Limited to BE3K and requires enhanced user license



Voice Conferencing

- Conferencing included in base system
- Ad hoc conferencing (up to 10 participants)
- Meet-me conferencing (up to 24 participants)
- Eliminates the need for customers to pay for dedicated monthly voice conferencing services



Phone Portfolio Supported

NEW!

Unified SIP Phone 3905



- Single line
- TDM replacement
- Power over Ethernet

Unified IP Phone 6900 Series



- 6901: Single line
- 6911: Single line, paper insert
- 6921: 2 lines, graphical display
- 6941: 4 lines, graphical display
- 6961: 12 lines, graphical display

Unified IP Conference Station 7937G



- Backlit LCD display
- Power over Ethernet
- Support for external microphones

Unified IP Phone 8900 Series



- Video calls as easy as phone calls
- 8941: Built-in video camera
- 8945: Built-in video camera
- 8961: Key expansion module

A Broad IP Phone Portfolio for All Types of Users

**Entry Level
Phone**

**Break Room /
Office Employee**

**Conference
Room**

**Manager / Executive /
Operator**

Cisco IP Communicator

- PC-based soft phone application that lets you use your personal computer to make premium voice and video calls
- Easy to dial and answer calls
- Click-to-call directly from desktop applications
- Single phone number, single voicemail box



Cisco Business Edition 5000



Cisco BE 5000 Product Overview

- Affordable unified communications system
 - Integrates benefits of voice, video, mobility and messaging features
 - Delivers big business performance
- Enables more effective customer and employee communications
- Innovative platform that is simple to setup, manage and use
- Supports growth up to 500 users across 20 sites
- Complemented by award-winning technical support and attractive financing delivered through local certified partners



Cisco Collaboration Endpoints

Mobile Applications

- 720p HD video
- Microphone & HD audio handsfree speaker
- 10/100/100, Wifi, Bluetooth
- Docking station



Cisco Unified IP Phone 9900 Series Accelerate Collaboration

Advanced Collaborative Media Endpoints

- **Knowledge Professionals, Administrative, Managers and Executives**
- **Interactive video**
- **High-definition voice**
- **Connectivity: Gigabit Ethernet, Wi-Fi**
- **Experience:**
 - High-resolution color displays
 - USB ports
 - Bluetooth 2.0
 - Custom language presentation
- **Multimedia Applications: XML, MIDlets**
- **Personalization:**
 - Choice of colors, handset styles, wallpapers



IP Phone 9971



IP Phone 9951

Cisco Unified Wireless IP Phone 7926G

Mobile Collaboration

Cost-effective UC and Scanning

- Builds upon Wireless IP Phone 7925G *plus*:
 - EA 2D bar code scanner integrated into design
- Retail, healthcare and other environments seeking integrated scanning and UC
- MIDlets for richer graphics and faster response when using custom applications

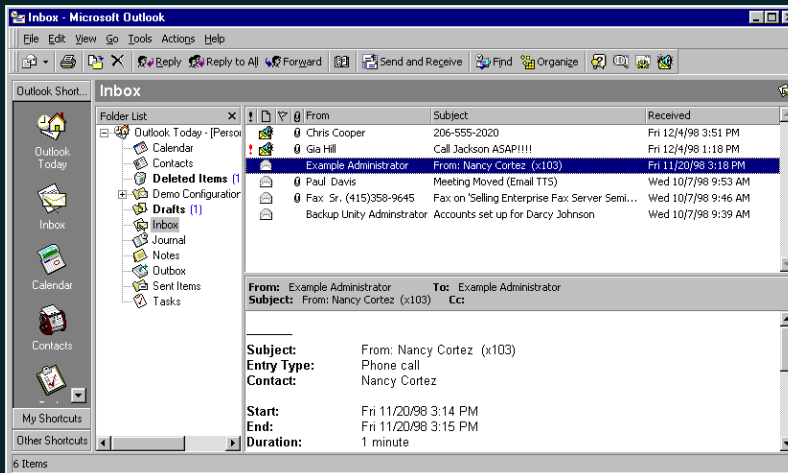


Advanced Voice Messaging

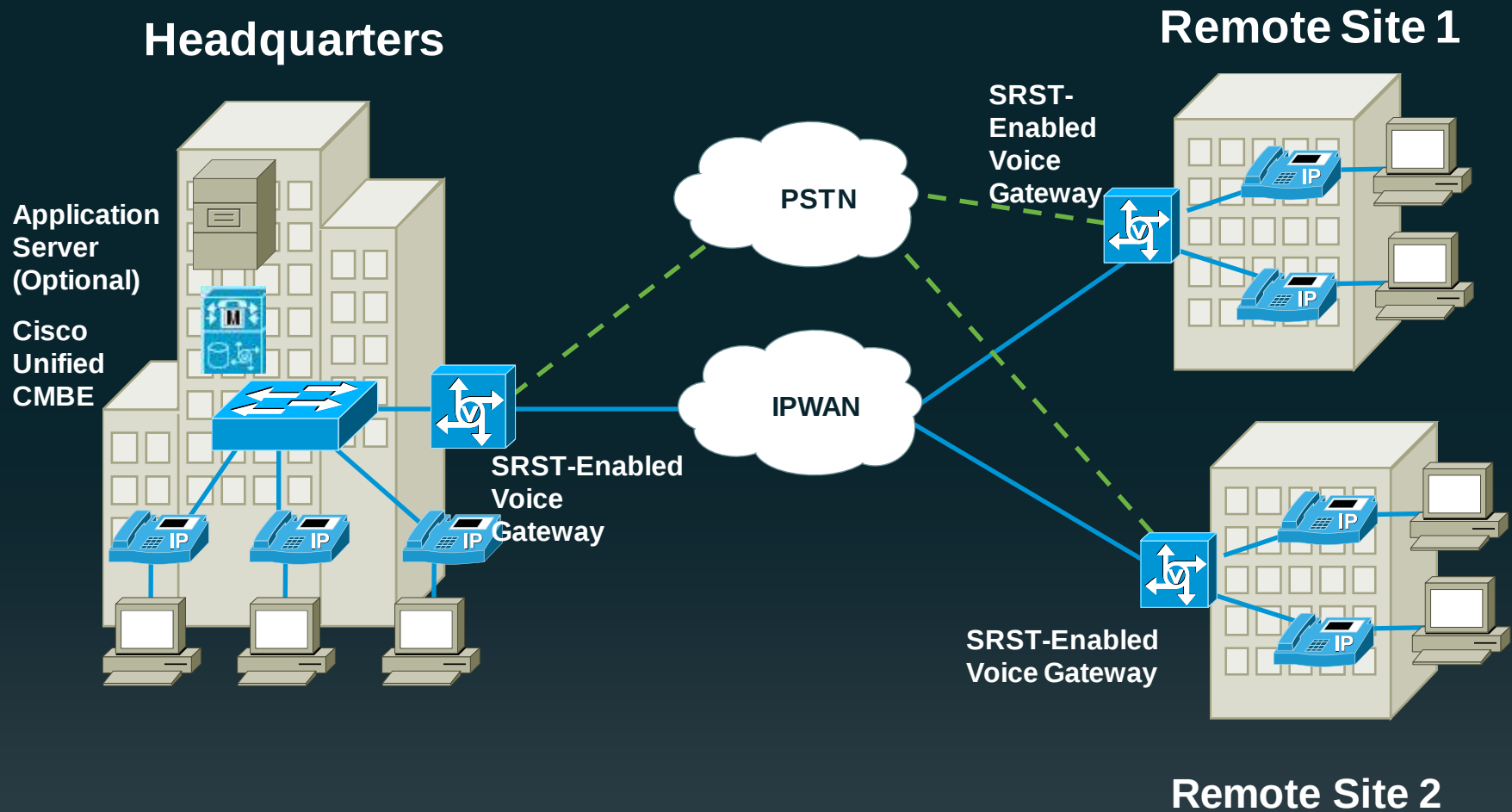
- Voice messaging and robust Automated Attendant functions
- Voice recognition features
- Desktop access to your messages

Play voice messages with your e-mail client or web browser

Visual Voicemail access to your messages on the phone display



Example Network with Unified Communications



Cisco Business Edition 6000



Cisco Business Edition 6000

Improved Scalability, Redundancy, and application co-residency

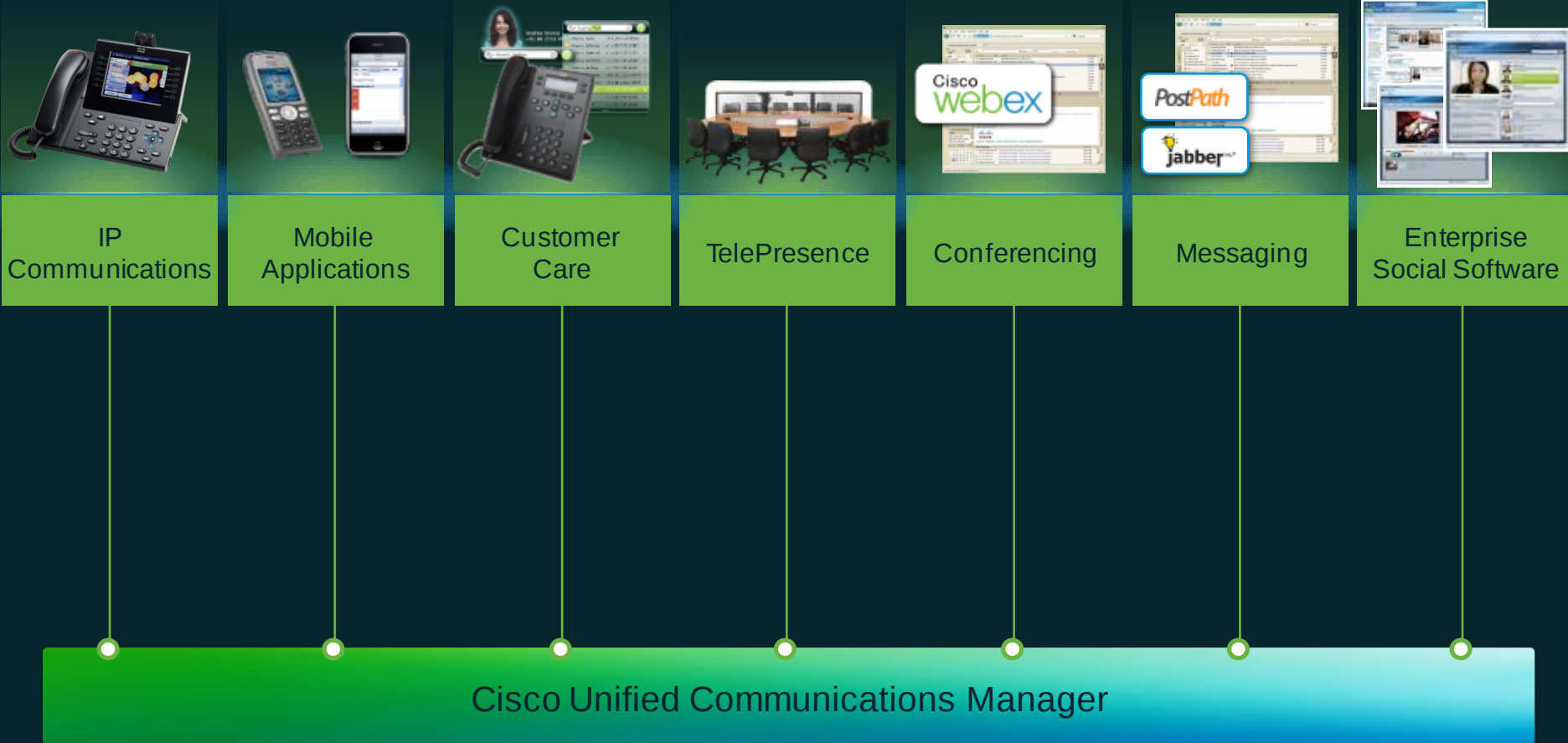
- Core UC applications on UCS
 - Cisco® UCM +
Cisco Unity® Connection + Cisco Unified Presence + Cisco Unified Contact Center Express
- Hardware platform - Cisco Unified Computing System™ C200 M2 1RU Rack Server
- Virtualization - VMware ESXi 4.X
- Capacity - 1000 users, 100 Contact Center Agents
- Full featured enterprise class application co-residency with redundancy
 - Cisco UCS x2 or Cisco UCS + MCS 78xx (as back-up)



Cisco Unified Communications Manager

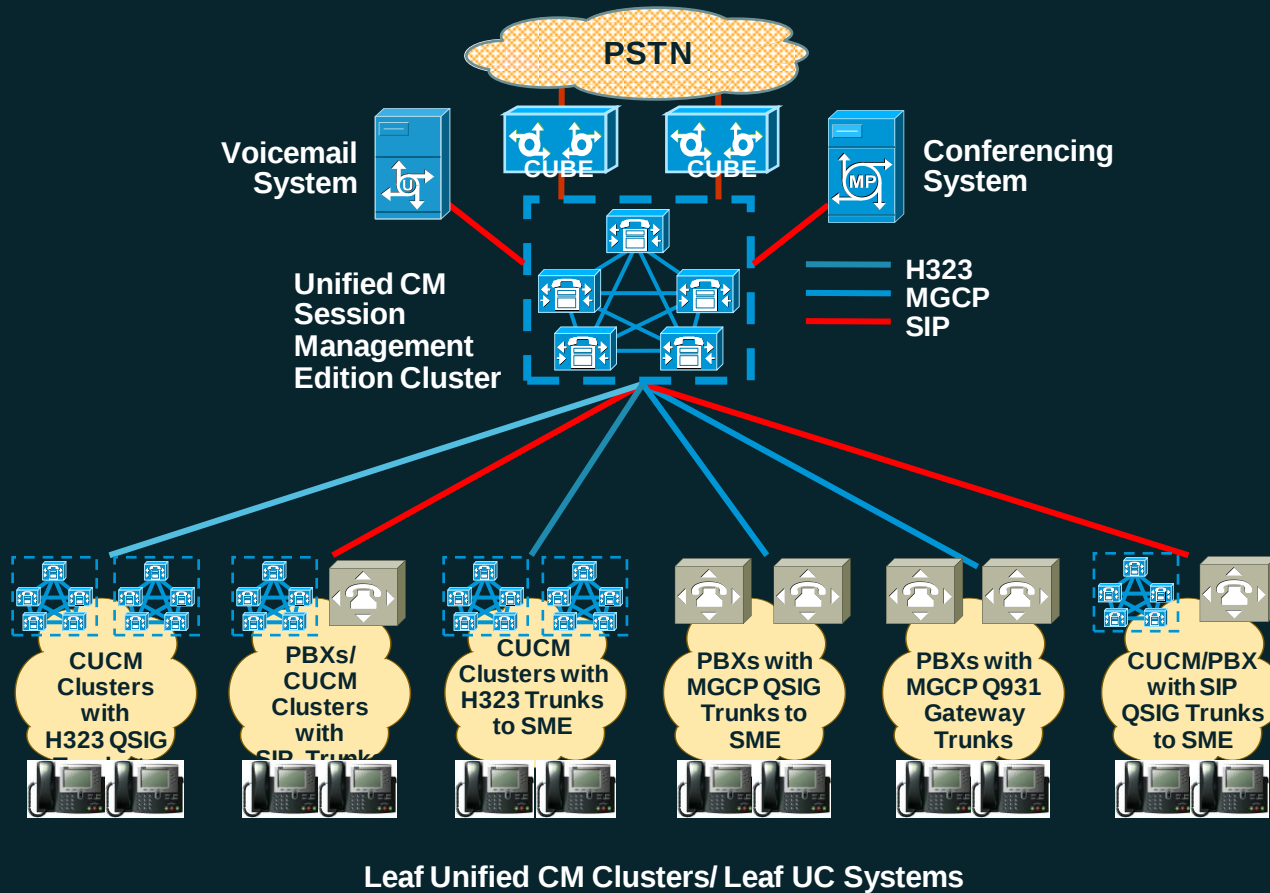


A Platform for Cisco's Collaboration Suite



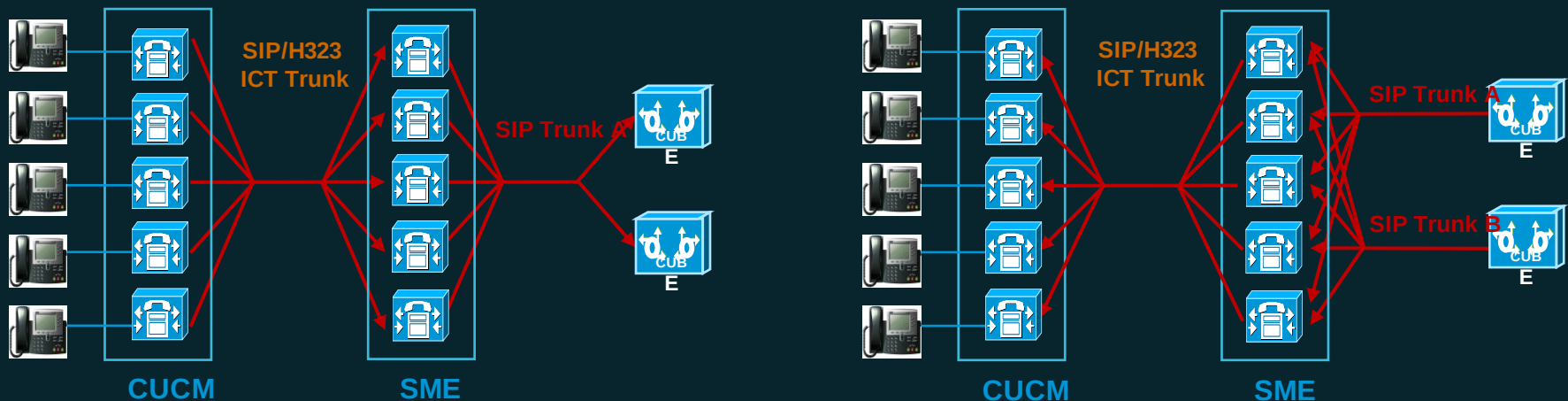
Why deploy Session Management Edition ?

An SME cluster at the core of your network allows you to flexibly manage your UC system as it grows and changes.....



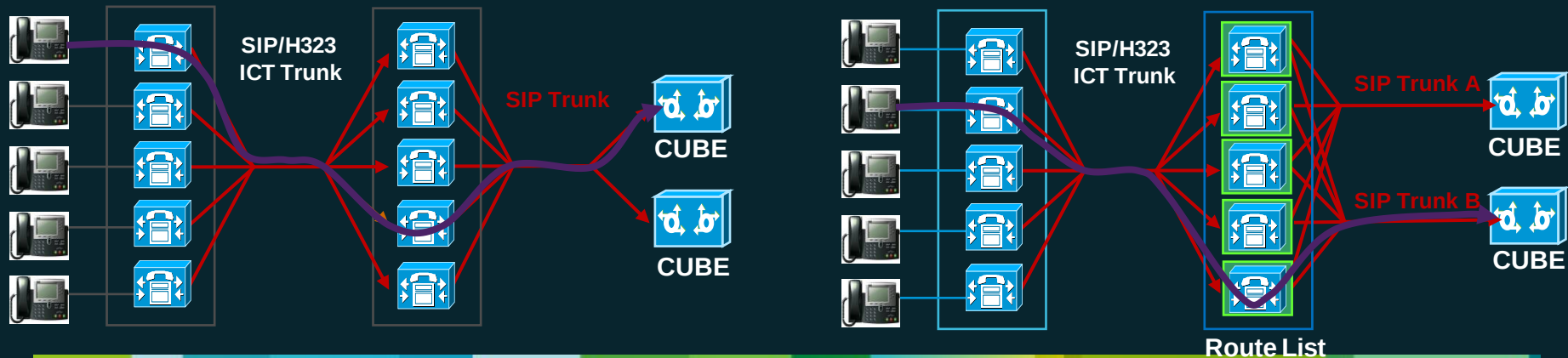
New Trunk features that simplify SME designs

- Run On All Unified CM Nodes
- Up to 16 Destination IP addresses
- These features :
 - Reduce the number of configured Trunks
 - Simplify call distribution
 - Simplify call routing through Leaf and SME clusters by taking advantage of the “Route Local” rule

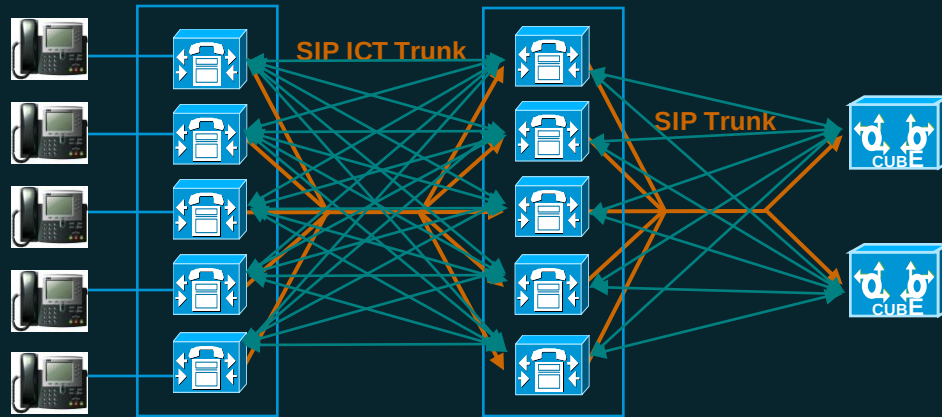


New Trunk features that simplify SME designs

- Outbound SIP Trunks, H323 Inter Cluster Trunks and Route Lists can take advantage of the Route Local Rule by using the “Run On All Unified CM Nodes” feature
- **The Route Local Rule**
- If the CUCM node that the inbound call arrives on – also has an instance of the selected outbound trunk for that call – then use this node to onward route the call
- The Route Local rule reduces (and can eliminate) call set up traffic between CUCM nodes with a cluster



UC 8.5 SIP Trunk Feature - OPTIONS Ping



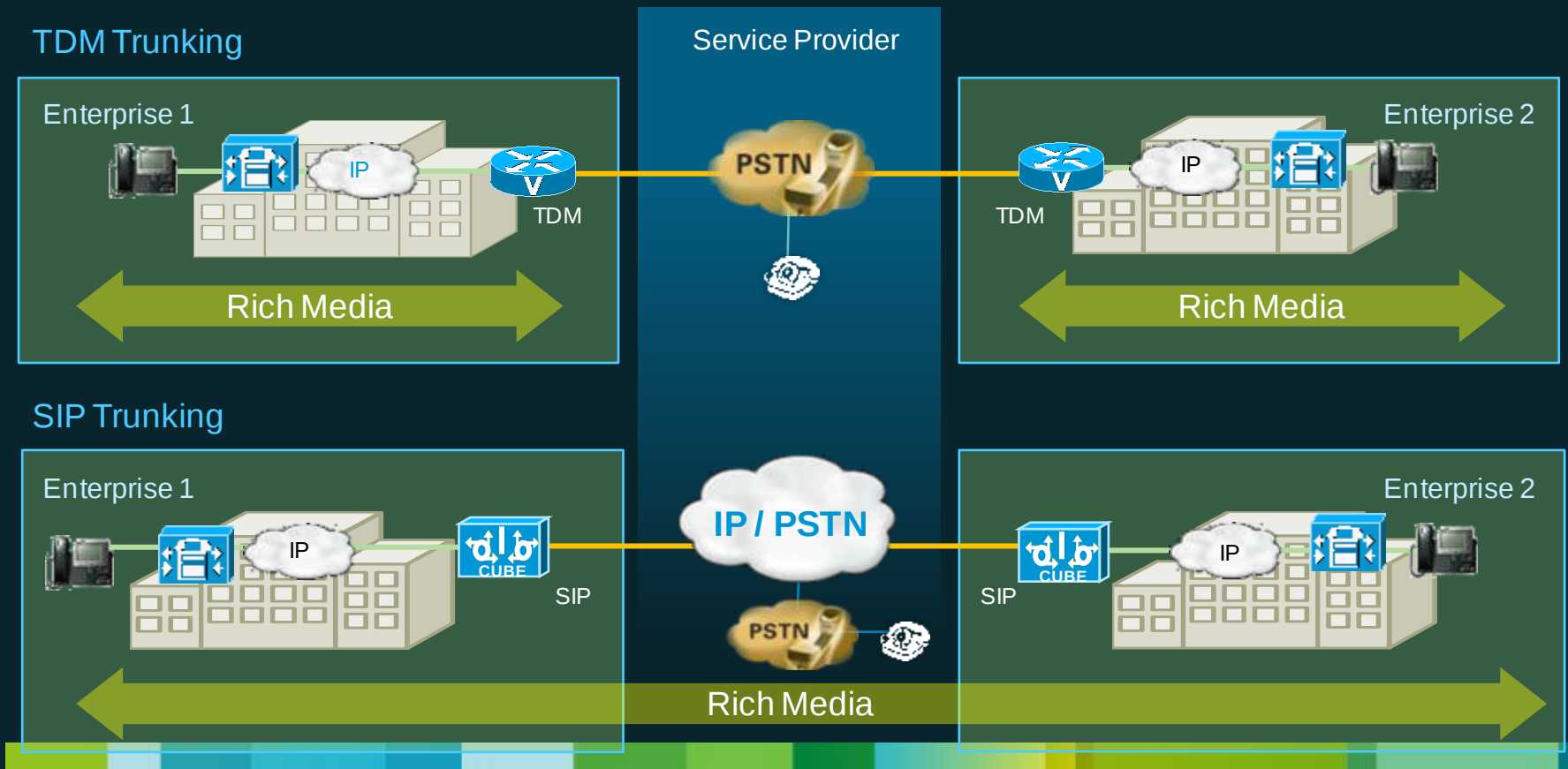
OPTIONS Ping is activated on a per SIP Trunk basis

Each node running the SIP Trunk daemon in the originating cluster uses OPTIONS Ping to determine the availability of each defined destination IP address

- CUCM will not attempt to establish a call to an unavailable remote peer
 - SIP Trunk - “In Service” whilst one remote peer is reachable
 - SIP Trunk - “Out Of Service” state when all remote peers are unreachable
-
- CUCM 8.5 SIP Trunks – Dynamic reachability detection
 - Pre CUCM 8.5 Trunks - Per call time out

SIP Trunking Overcomes TDM Barriers

- Improves Efficiency of interconnection between networks
 - Simplifies PSTN interconnection with IP end-to-end
- Enables rich media services to employees, customers, partners
 - Carries converged voice, video and data traffic



Cisco Unified Border Element CUBE

Enabling Session Border Control (SBC) Features on Cisco Routers



SESSION CONTROL

- Call Admissions Control
- Ensuring QoS
- Statistics and Billing
- Redundancy/ Scalability

SECURITY

- Encryption
- Authentication
- Registration
- SIP Protection
- Firewall Placement
- Toll Fraud

INTERWORKING

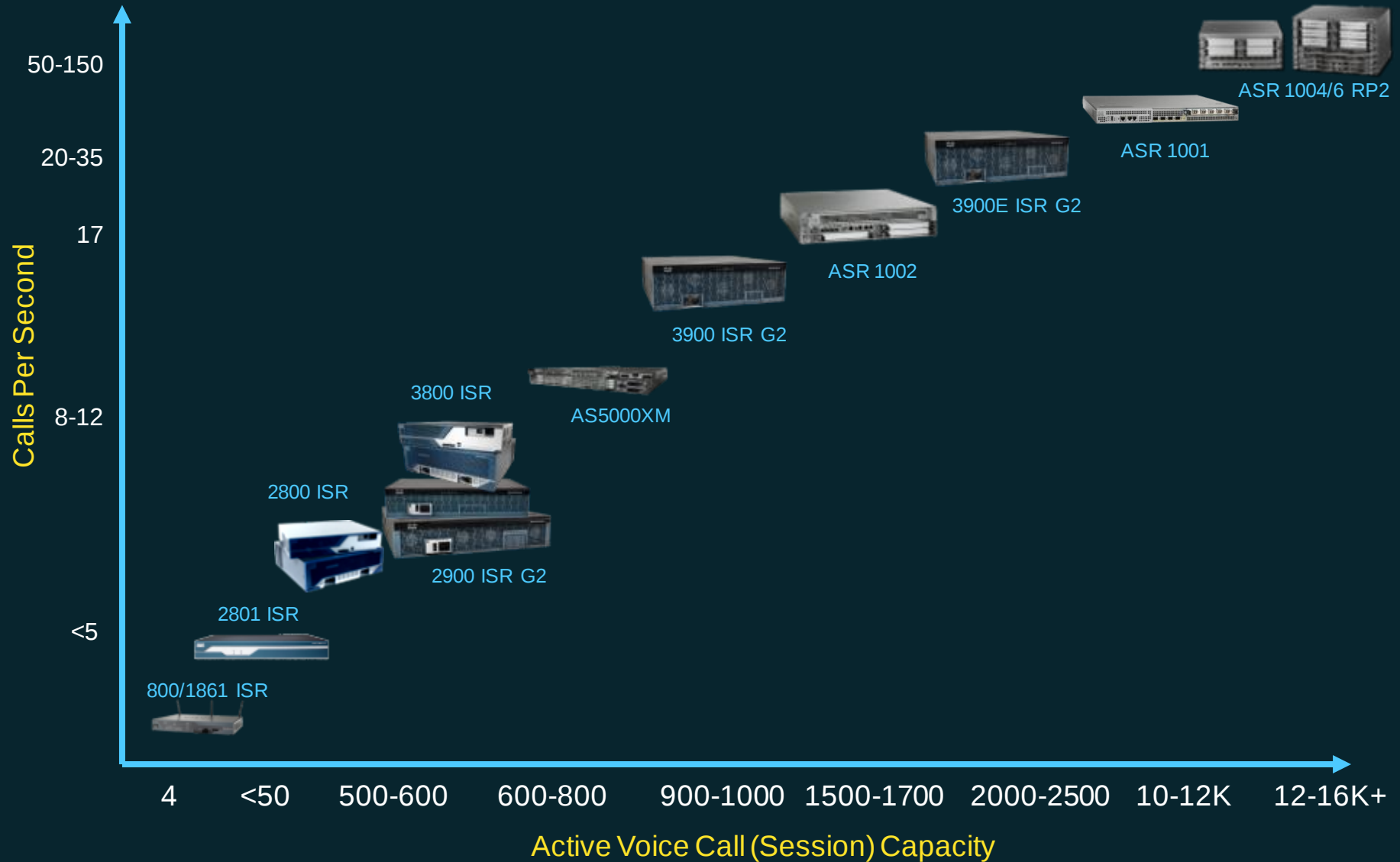
- SIP - SIP
- H.323 - SIP
- SIP Normalization
- DTMF Interworking
- Transcoding
- Codec Filtering

DEMARCATON

- Fault Isolation
- Topology Hiding
- Network Borders
- L5/L7 Protocol
- Demarcation

CUBE Scalability

Scalable Voice Trunk Capacity for Small to Large Businesses



Unity Connection



Cisco Unity Connection 8.6

- Linux-Based Appliance
 - Messages stored on Box
 - No Microsoft Exchange Dependencies
 - No Microsoft Active Directory Dependencies
- Scalable
 - 20K users/250 ports/server
- Active/Active Redundancy (up to 500 ports) across LAN or WAN
- Manage voice messages from a variety of devices and clients
 - Desk phone (including visual voicemail)
 - Mobile phone (visual voicemail with Unified Mobile Communicator)
 - Outlook and Lotus Notes (free ViewMail for Outlook and ViewMail for Notes plug-ins)
 - Web browsers
 - Desktop clients and IM clients like Unified Personal Communicator
 - RSS feeds

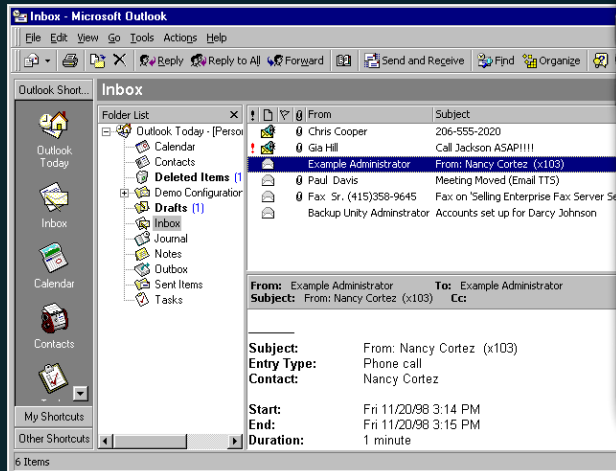


Access to Voicemail

Unified Messaging

Access voicemails visually from anywhere:

- IP phone
- Cell Phone
- E-mail client (Outlook)
- Web page



Mobility Portfolio



Cisco Mobile Collaboration

Only Cisco Delivers True Business Mobility

Mobile Phone Clients

Cisco Jabber



Cisco WebEx Meeting Center



Cisco Quad



Voice Over Wireless LAN

VoWLAN IP Phones



Voice/Video on mobile devices



Cisco Cius



Laptop Clients

Cisco Jabber for Windows



Cisco Jabber for Mac



Call Control

Cisco Unified Communications Manager



Cisco Unified Mobility



Access and Security

Wireless LAN Controllers and Management



Cisco ASA 5500



Indoor and Outdoor Access Points



Cisco Unified Mobility Features

- **Single Number Reach**

Simultaneous ring on all phones

- **Desk & Mobile Pick-up**

Seamless transition of ongoing calls to mobile phone from desk phone and back

- **Extension Mobility**

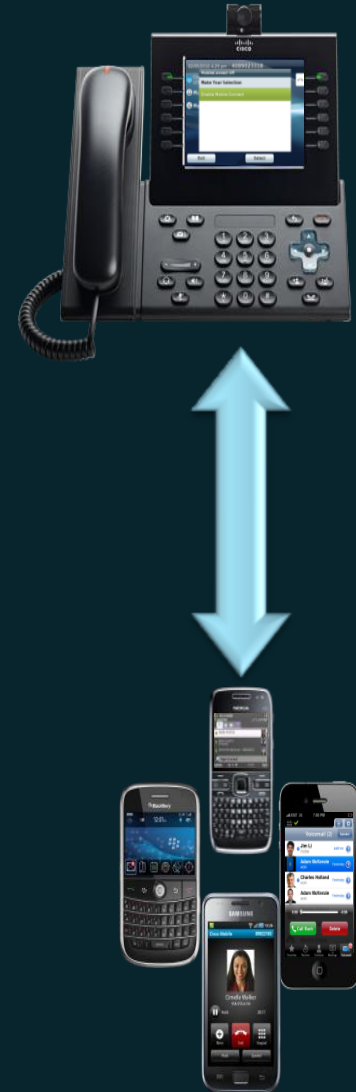
Work from any phone in any location

- **Single Business Voicemail**

Single voice mailbox across multiple phone numbers

- **Mobile Voice Access**

Place mobile calls through Cisco Unified Communications Manager



Cisco Jabber: Foundational Client Capabilities



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 and on-demand
- Integration with Microsoft Office



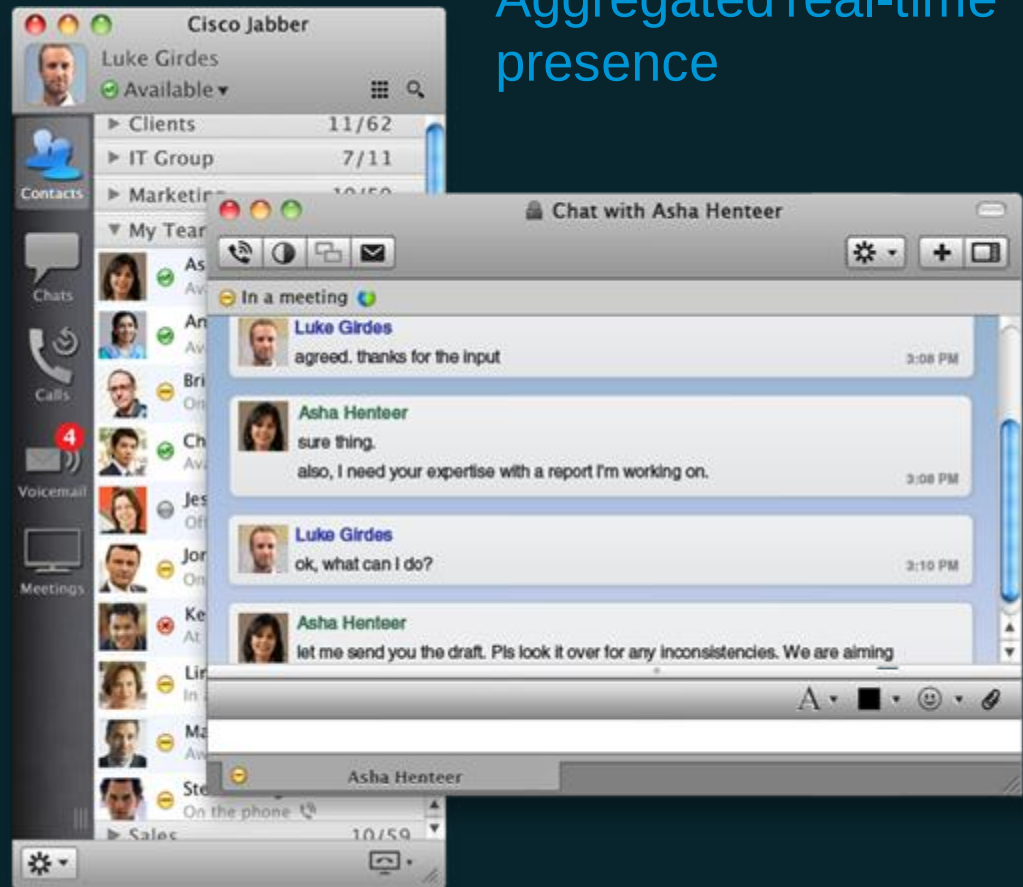
Cisco Jabber for Mac



Cisco Jabber for Mac Presence and Instant Messaging

- Integrates with Cisco Unified CM
- 'In a meeting' status based on calendar schedule from Microsoft Exchange
- WebEx Meeting status
- Customizable availability status messages

Aggregated real-time presence



Cisco Jabber for Mac Presence and Instant Messaging (Cont.)

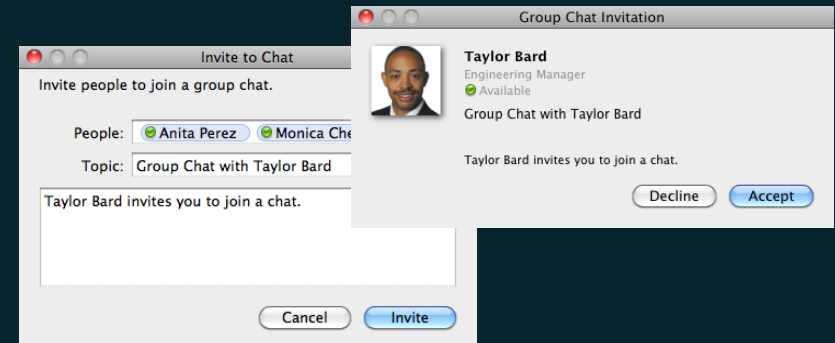
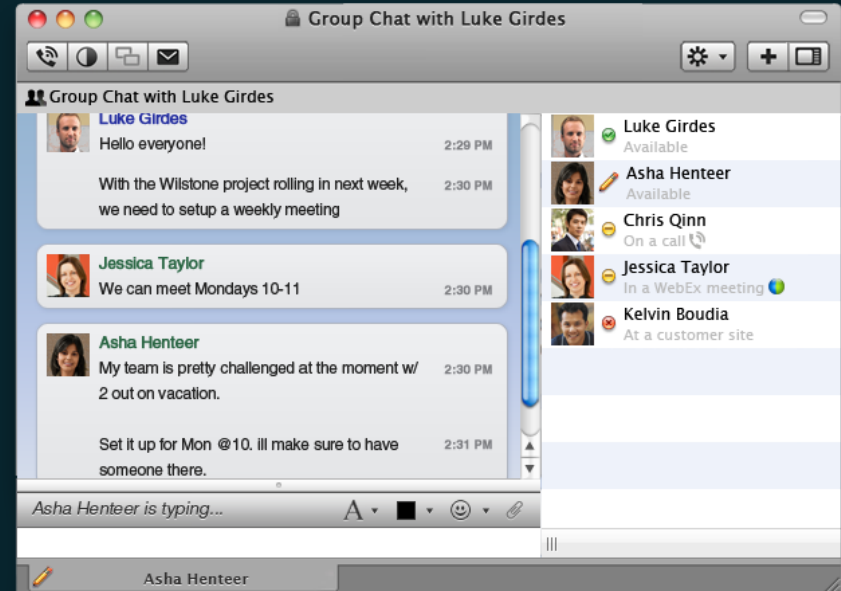
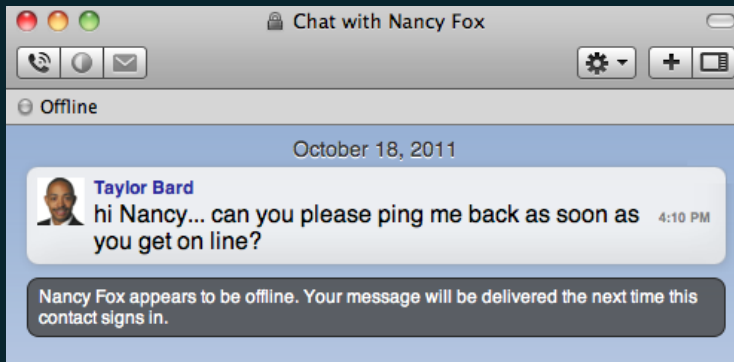
- Enterprise class instant messaging

Encrypted point to point & group chat

Emoticons & rich text formatting

Offline chat message delivery

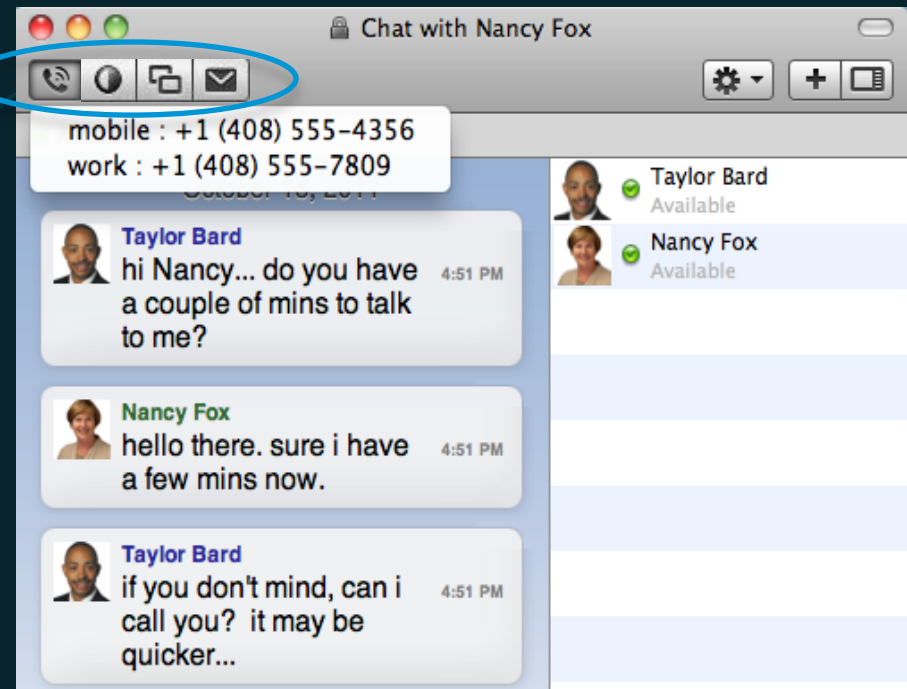
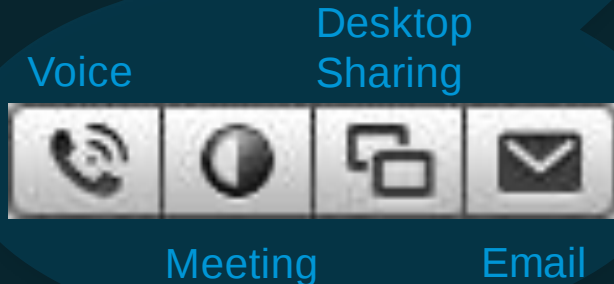
Chat history and logging



Escalation to Voice and Web Meetings

- Escalations to voice and web meetings from a chat session
- Point to point (P2P) desktop sharing via WebEx service (on-demand only)

Escalating
from Chat



Cisco Jabber for Mac Presence and Instant Messaging (Cont.)

- Inter-domain federation

AOL (with CUP 8.5 or higher)

IBM Sametime

Microsoft OCS

Cisco WebEx

GoogleTalk

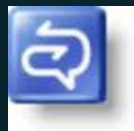
XMPP compliant services



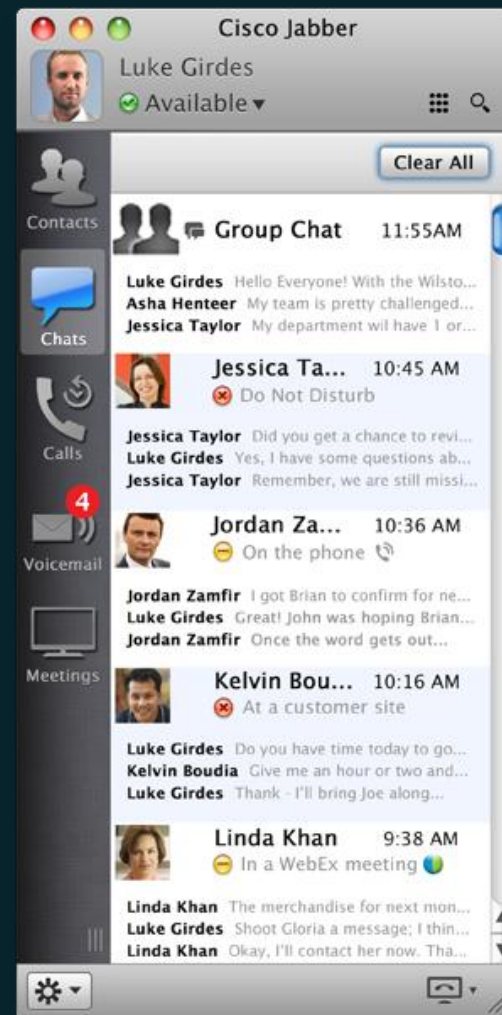
- Intra-domain federation (on-premises only)

Requires CUP 8.6 or higher

Federates with Microsoft LCS and OCS within the same enterprise



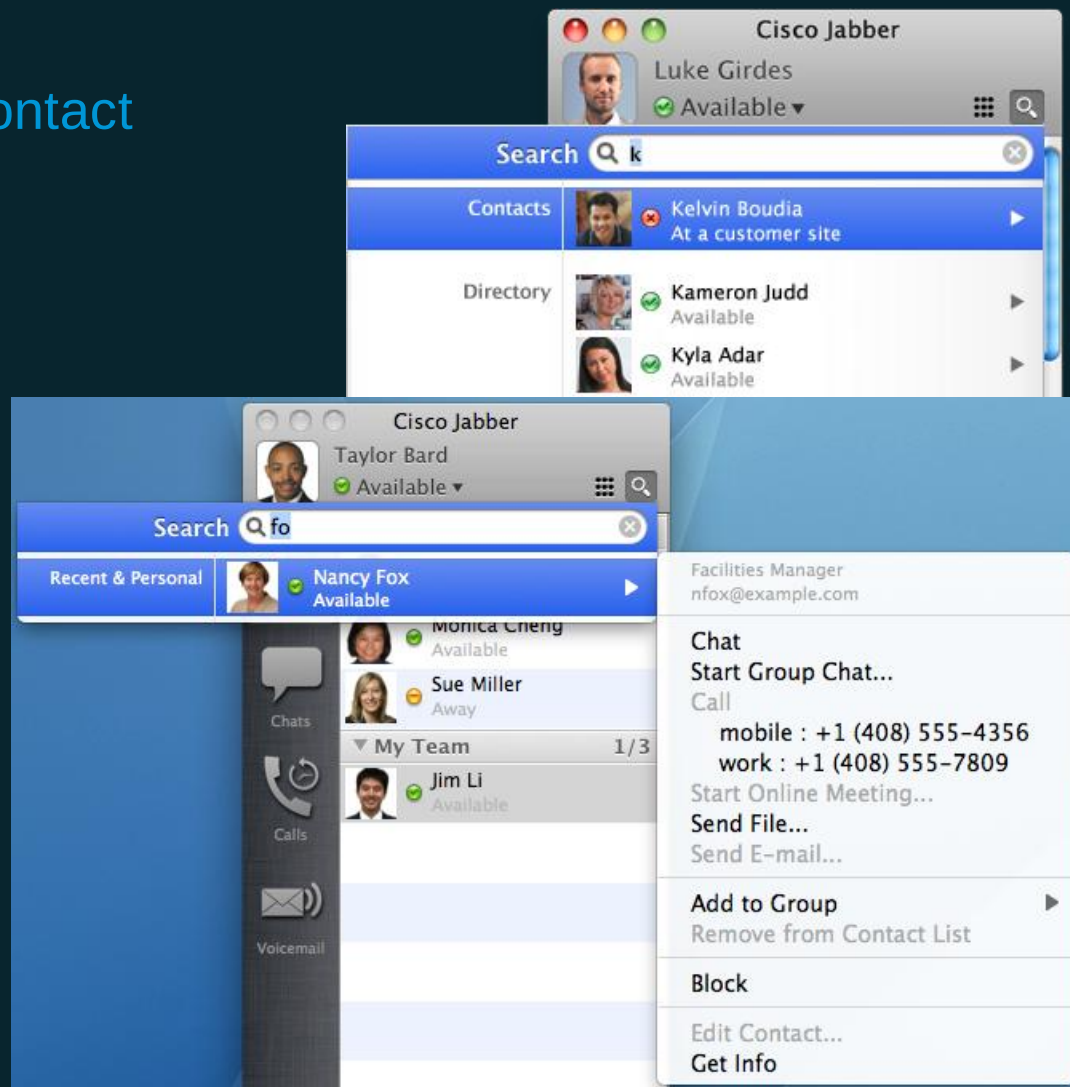
- With any 3rd party XMPP clients



Cisco Jabber for Mac Optimized Predictive Search

Enabling quick and easy contact lookups

- Contact search in:
 - ✓ Contacts (contacts list)
 - ✓ Recents & Personal (histories or personal address book)
 - ✓ Directory (corporate directory service)



Cisco Jabber for Mac

Advanced Call Capabilities

- Call features

- Call hold/resume

- Call park

- Call forwarding

- Call transfer

- Basic call conferencing

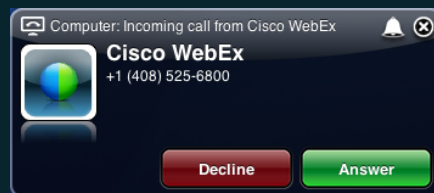
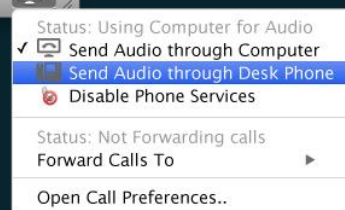
- Send to mobile

- Interwork with SNR

- Deskphone control

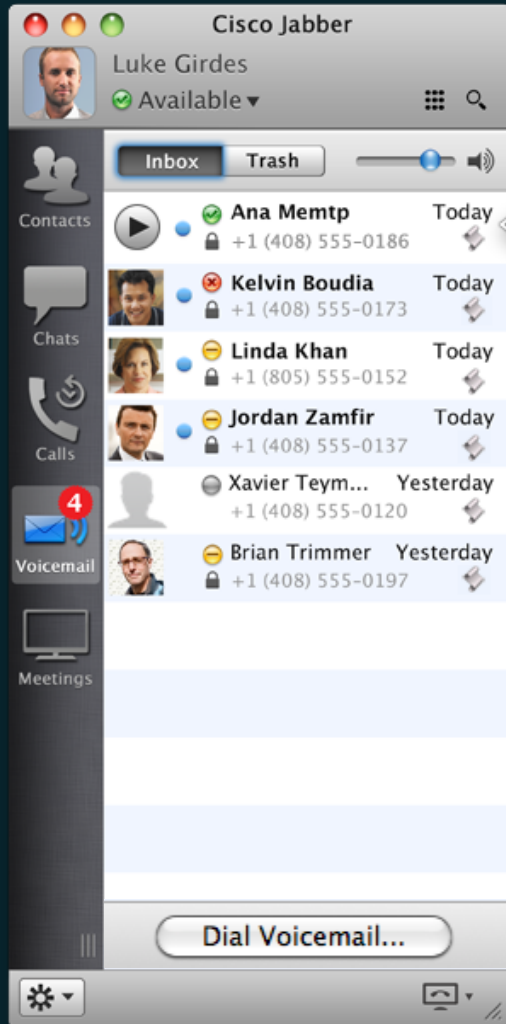
- CTI Servitude

- FAC/CMC*



*Forced Authorization Code/Client Matter Code

Cisco Jabber for Mac Visual Voicemail & Transcription



Voicemail Transcription:

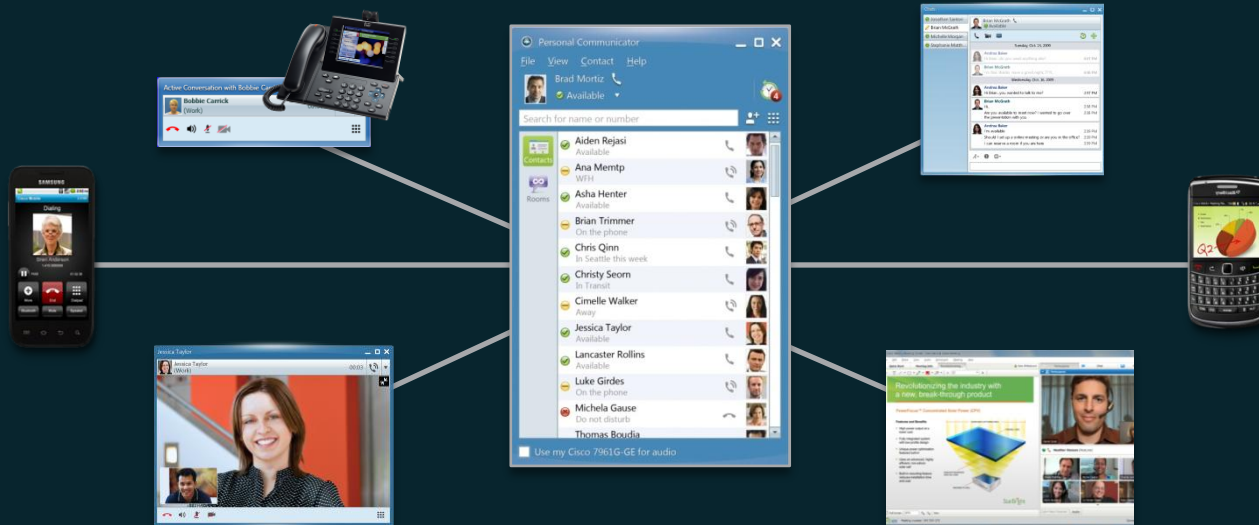
"Hello, this is Ana. Please give me a call or leave a message when you are available. There's an issue I would like to discuss with you. Thank you." - Voice to Text by Nuance

Provides visual voicemail access and message playback within the client

- Instant message playback
- Visible message count
- Direct dial into voicemail system
- Voice message transcription via Cisco SpeechView

Cisco Unified Personal Communicator

All-in-One UC and Collaboration Client Experience



- Presence and IM
- SoftPhone and click-to-call
- Video and desktop sharing
- Multiparty conferencing
- Communications history
- Visual voicemail
- Mobility
- Microsoft Office Integration

Face-to-Face Video Communications

- Enhances collaboration and effectiveness
Across campus or across the globe
- Simple user interface
Click-to-call for voice and/or video
Single number for voice and/or video
- Media escalation to multiparty video*
- Standards-based H.264 Video
- Advanced video call control
Yields tremendous call/video user experience
- Video resolution choices
QCIF, CIF, VGA, HD (720p 30fps)



Communicate from Microsoft Applications

Communications Integrated for Easy Access



- View availability and initiate communications

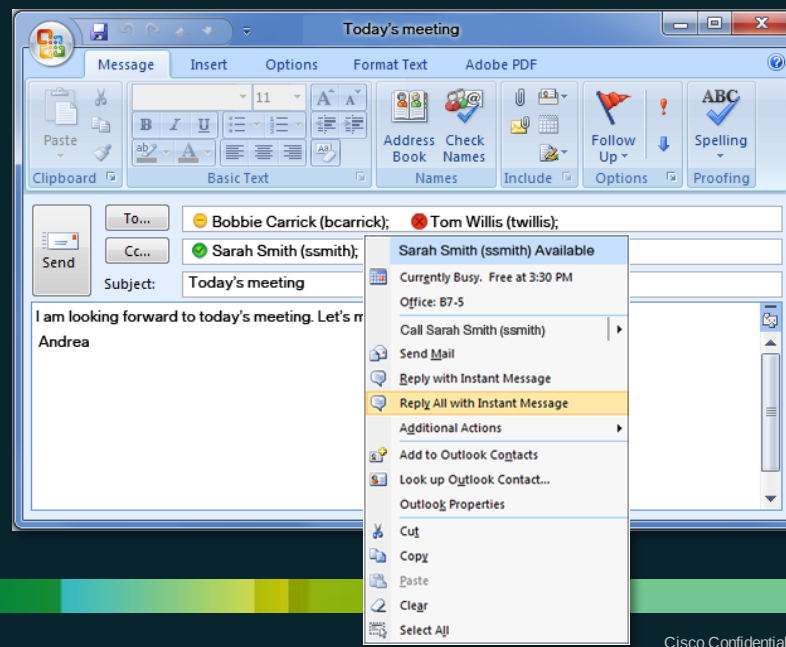
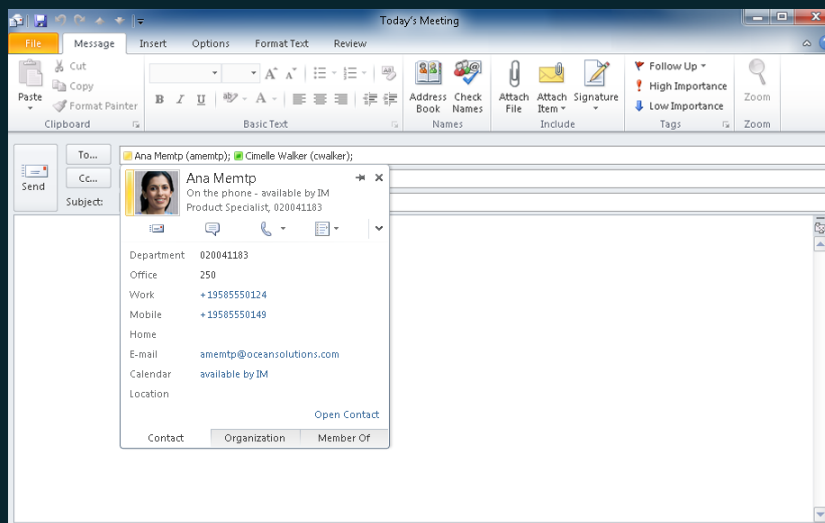
Dynamic presence status

Click-to-chat & call (audio/video)

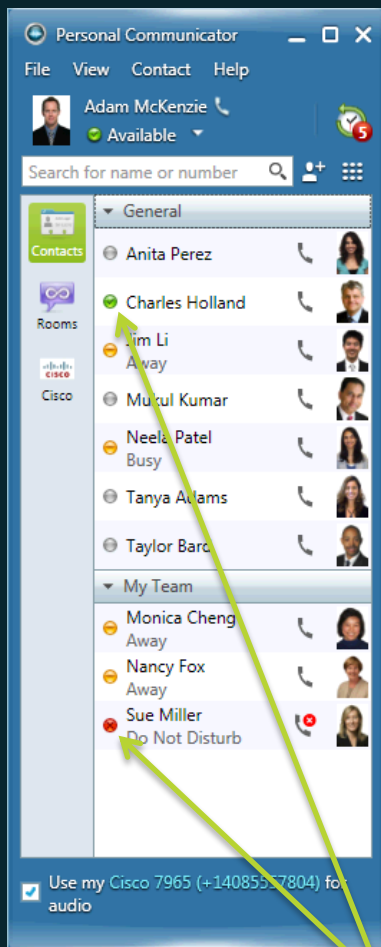
Point-to-point & multi-party

- Microsoft Outlook, SharePoint, Office

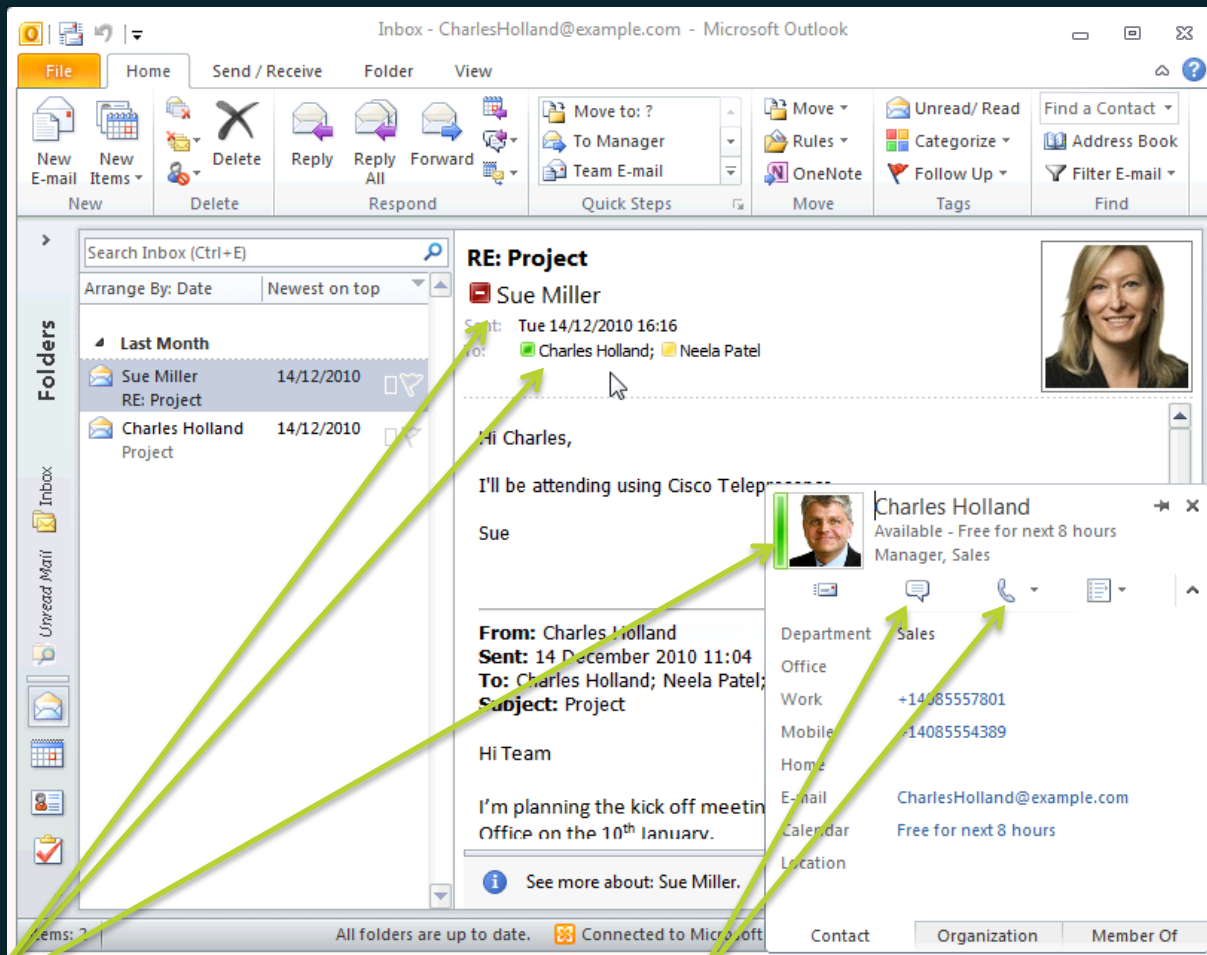
- Browsers, Web—applications



Cisco Jabber Integration With Microsoft Outlook 2010



Cisco Presence Light-ups



Cisco Click to IM/Call

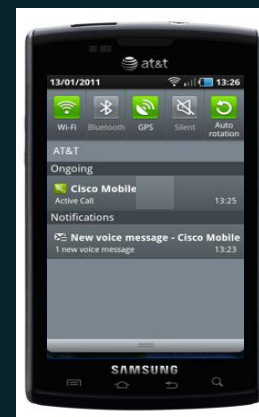
Mobile Collaboration Applications



Cisco Jabber for Android

Your Android Phone is an IP Phone

- “Always-on” seamless experience: background processing, auto-registration
- Integration to native Android interface
- Key Features
 - Voice over Wi-Fi
 - Handoff to cellular network
 - Handoff to and from deskphone
 - Mid-call features
 - MWI and soft key access to corporate voicemail
 - Corporate Directory Access



Cisco Jabber – iPhone

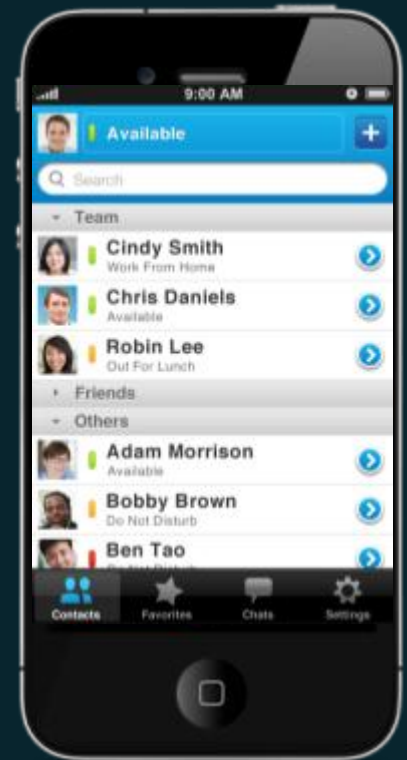
Your iPhone is an IP Phone

- Improve mobile productivity
 - Voice over Wi-Fi softphone
 - Enterprise telephony features
 - Business Visual Voicemail
 - Search Corporate Directory
- Simple, intuitive
 - Voice Dialing
 - “Always-on” – Runs in the background
 - Handoff to mobile network, desk phone
- Mobile Privacy - Send work number
- Lower mobility costs



Cisco Jabber IM for iPhone

- Stay connected while mobile
 - Basic 1:1 IM application
 - Single app for on-premises or cloud deployment
- Take immediate action from your contact list
 - Start or join an instant WebEx meeting
 - Click to call, click to email, click to SMS
- Flexible, secure deployment
 - Single sign-on
 - Secure, proxyless architecture
- Free to current Cisco Unified Presence and Cisco WebEx Connect customers



For iOS 4.2, 4.3 and 5 devices

Cisco Jabber for Nokia

Complete Mobile UC Client Application

Improve mobile productivity:

- Contact List, Presence & IM
- VoWiFi softphone and Dial via Office (DVO)
- Enterprise telephony features
- Access corporate voicemail
- Search Corporate Directory

Simple, intuitive

- “Always-on” – Runs in the background
- Use native Nokia phone capabilities
- Handoff to/from mobile network, desk phone

Mobile Privacy - Send work number

Cost Control – VoWiFi calling



Cisco Jabber IM for BlackBerry

Stay connected on the go

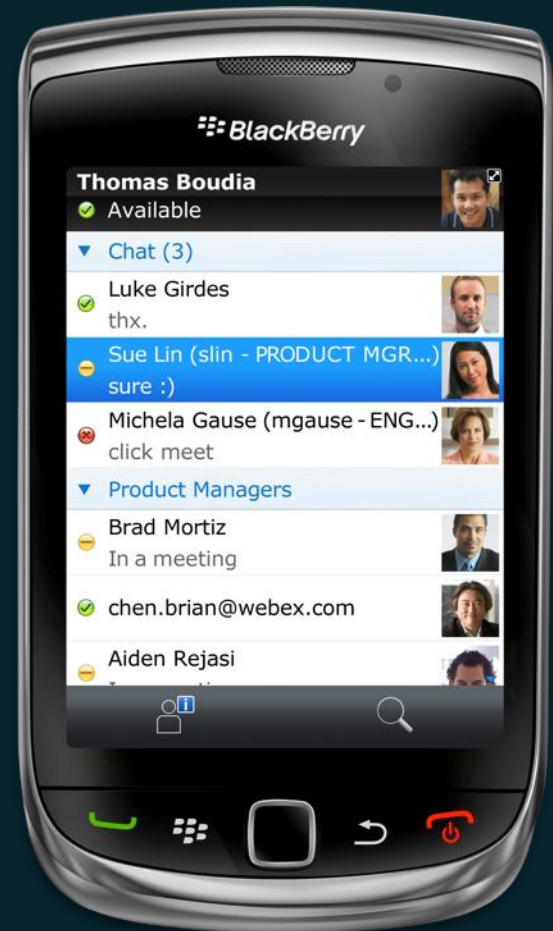
- Basic IM
- Presence status changes
- On-premises or cloud-based IM backend

Take action from your contact list

- Join an instant meeting
- Click to call, email, SMS

Flexible, secure deployment

- Single Sign On
- Secure, Proxyless Architecture



Cisco Cius



Enterprise Social Software



Enterprise Social Software

Accelerate Business Productivity & Innovation

Develop & manage
personal online profiles

Easily create, publish,
share, and consume
content and expertise

Dynamically form and
participate in virtual
communities

Subscribe to trusted
content sources or people

The screenshot displays the Cisco Enterprise Social Software interface. At the top, a navigation bar includes a user profile for Harold Pulhug, status (Available), and links for Settings and Sign Out. Below this is a search bar and a navigation menu with options like New Post, My View, My Profile, People, Communities, and My Library. The main content area features Harold Pulhug's profile, including his photo, contact information (Mobile, Work, Email), and a recent status update. Below the profile is Harold's Blog, showing a post titled "Hi Everyone, Cisco is Here" from November 10, 2009. A "Contacts" window is open, displaying a list of users including Farsheed Tari, Leon Baranovsky, Marc Doice, Vishnukant Varma, and Vikram Mavalankar. A chat window is also visible, showing a conversation with Leon Baranovsky about "Sorting out EFT processes."

Anytime, Anywhere Communications

Rich & Reliable Interactions



Click to collaborate

Integration with
IP endpoints

Embedded, browser-
based soft phone

Social Video

Pervasive Presence

Business Systems Integration

Maximize Existing IT Investments

The screenshot shows the Cisco MyView web application. At the top, a user profile for 'Darrin Simmons' is visible with a status of 'Available' and a 'Working on MyView' indicator. Navigation tabs include 'My View', 'My Profile', 'People', and 'Communities'. A search bar contains the text 'ecp requirements'. Below the search bar, it shows '495 results' and sorting options like 'Oldest', 'Newest', and 'most relevant'. The main content area is divided into sections: 'Information' with a list of documents like 'Apache Shindig v. 1.0 User Guide...' and 'ESS Core Team Agenda Aug 13, 2009'; 'People' showing 'No results found for People.'; and 'Communities' with a list of groups like 'ESS Vision Demo', 'Advanced Services', and 'Getting Started'. An 'Activities' sidebar on the left shows a list of recent events, including 'Sam Lee microblogged' and 'Vikram Mavalankar and Joe Weppner are now friends.'.

Web 2.0 APIs &
Open Standards

Enterprise Content Mgmt
Plug-in Architecture

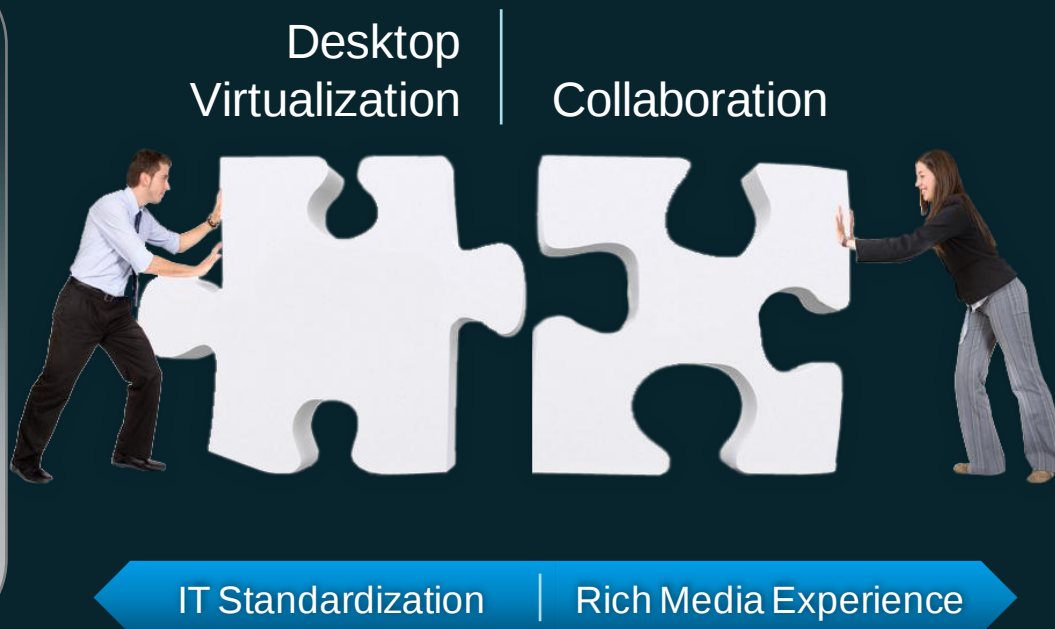
Transactional Systems
Integration

Cisco Virtualization Experience Infrastructure (VXI)



Cisco's Vision for Virtualization Experience Infrastructure (VXI)

- Data security and compliance
- Business continuity / agility
- Reduced TCO
- Standardized IT experience, customizable user experience



- Video and voice
- Interactivity
- Mobility
- Real time, high quality experience
- Range of devices

Deliver a superior collaboration and rich media user experience with best in class ROI in a fully integrated, open and validated desktop virtualization solution

Desktop Virtualization: Nomenclature

Desktop Virtualization

Suite of Technologies

- Desktop Streaming
- Application Virtualization
- Terminal Services

VDI

Virtual Desktop
Infrastructure

Industry Terms for VDI:

- Gartner: “Hosted Virtual Desktop” (HVD)
- IDC: “Centralized Virtual Desktop”



- End-to-End Architecture & Validation
- Supporting Rich Media /UC
- Enhanced Security
- Application Acceleration
- POE / Energy Wise



**Cisco
VXI**

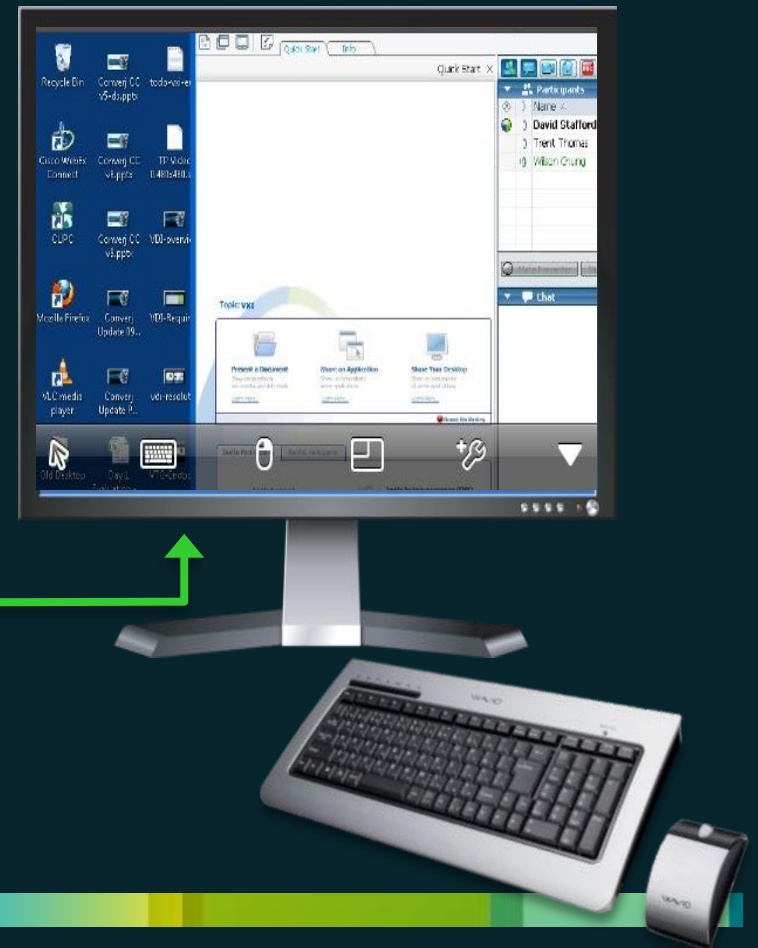
Docked VXi Experience

Supports external BT/USB mouse, keyboard, & display

1024 x 600 scaled up

1024 x 600

Dedicated chip
to improve
external display
quality



Cisco Virtualization Experience Client (VXC) 2100



- Power over Ethernet (PoE)
- Supports 2 monitors
- Keyboard and Mouse
- Audio Mic and Speaker
- 4 USB ports
- VXC 2111
 - Supports VMware View PCoIP
- VXC 2112
 - Supports Citrix ICA/HDX

Cisco Virtualization Experience Client (VXC) 2200



- Power over Ethernet (PoE)
- Supports 2 monitors
- Keyboard and Mouse
- Audio Mic and Speaker
- 4 USB ports
- VXC 2211
 - Supports VMware View PCoIP
- VXC 2212
 - Supports Citrix ICA/HDX

Licensing Update



Licensing Options

1

Cisco Unified Workspace License (CUWL)

2

User Connect license (UCL)

Cisco Unified Workspace License (CUWL)

Functionality		Pro
Audio / Video Conferencing		●
Web Conferencing		●
Contact Center		●
Presence / Instant Messaging		●
Desktop Client		●
Mobile Voice Client		●
Mobile IM Client		●
Voice Messaging		●
Single Number Reach		●
Phone/Call Control		Desktop Video
Endpoints		10 IP

Cisco Unified Workspace License (CUWL)

Functionality		Std	Pro
Audio / Video Conferencing			●
Web Conferencing			●
Contact Center			●
Presence / Instant Messaging		●	●
Desktop Client		●	●
Mobile Voice Client			●
Mobile IM Client		●	●
Voice Messaging		●	●
Single Number Reach		●	●
Phone/Call Control		Desktop Video	Desktop Video
Endpoints		2 IP	10 IP

Cisco Unified Workspace License (CUWL)

Functionality		Entry	Std	Pro
Audio / Video Conferencing				●
Web Conferencing				●
Contact Center				●
Presence / Instant Messaging			●	●
Desktop Client		CIPC	●	●
Mobile Voice Client				●
Mobile IM Client			●	●
Voice Messaging			●	●
Single Number Reach		●	●	●
Phone/Call Control		Enhanced	Desktop Video	Desktop Video
Endpoints		1 for Hard Phone 1 for CIPC	2 IP	10 IP

Cisco Unified Workspace License (CUWL)

Functionality	BE*	Entry	Std	Pro
Audio / Video Conferencing				●
Web Conferencing				●
Contact Center				●
Presence / Instant Messaging	●		●	●
Desktop Client	●	CIPC	●	●
Mobile Voice Client				●
Mobile IM Client	●		●	●
Voice Messaging	●		●	●
Single Number Reach	●	●	●	●
Phone/Call Control	Desktop Video	Enhanced	Desktop Video	Desktop Video
Endpoints	2 IP	1 for Hard Phone 1 for CIPC	2 IP	10 IP

User Connect Licensing Endpoint Alignment

Desktop Video
HD Video, Mobility



Enhanced
SD Video



Basic
Voice, multi-line



Essential
Basic Voice/Analog, single line



Adjunct User
Adds the Second Phone License



Add an extra license to Basic, Enhanced,
Desktop Video or CUWL



MeetingPlace 8.5



Cisco Unified MeetingPlace 8.5 Webex Hybrid

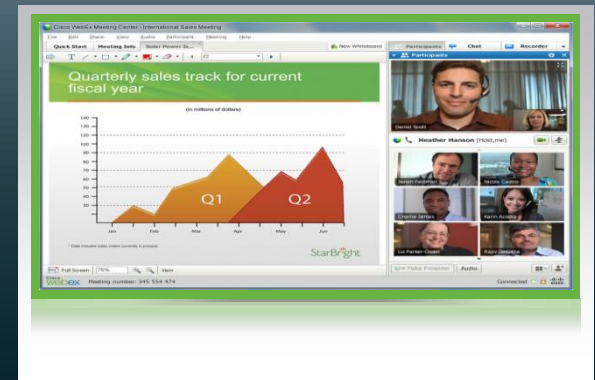
Audio, Video & Web Conferencing for Cisco Unified Communications

Exceptional Experience

- Simple setup and attend
- WebEx web conferencing
- Video

Low Total Cost of Ownership

- Leverage IP network for cost savings
- Scalable and Secure
- On-premises Audio for WebEx MC/EC/TC



Deployment Options

1

Audio/video on Premises

2

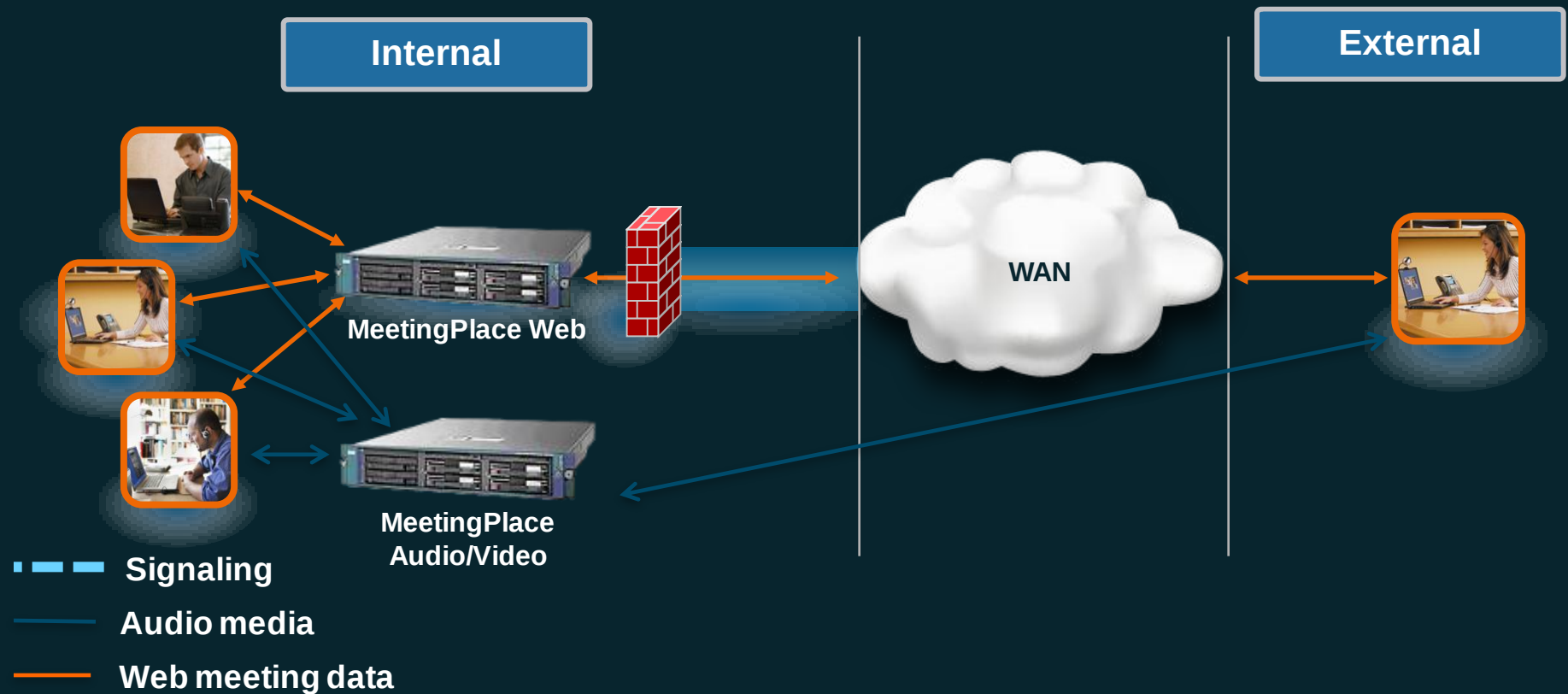
Audio/Video on premises with SaaS WebEx integration

3

Audio/video on Premises with WebEx Node

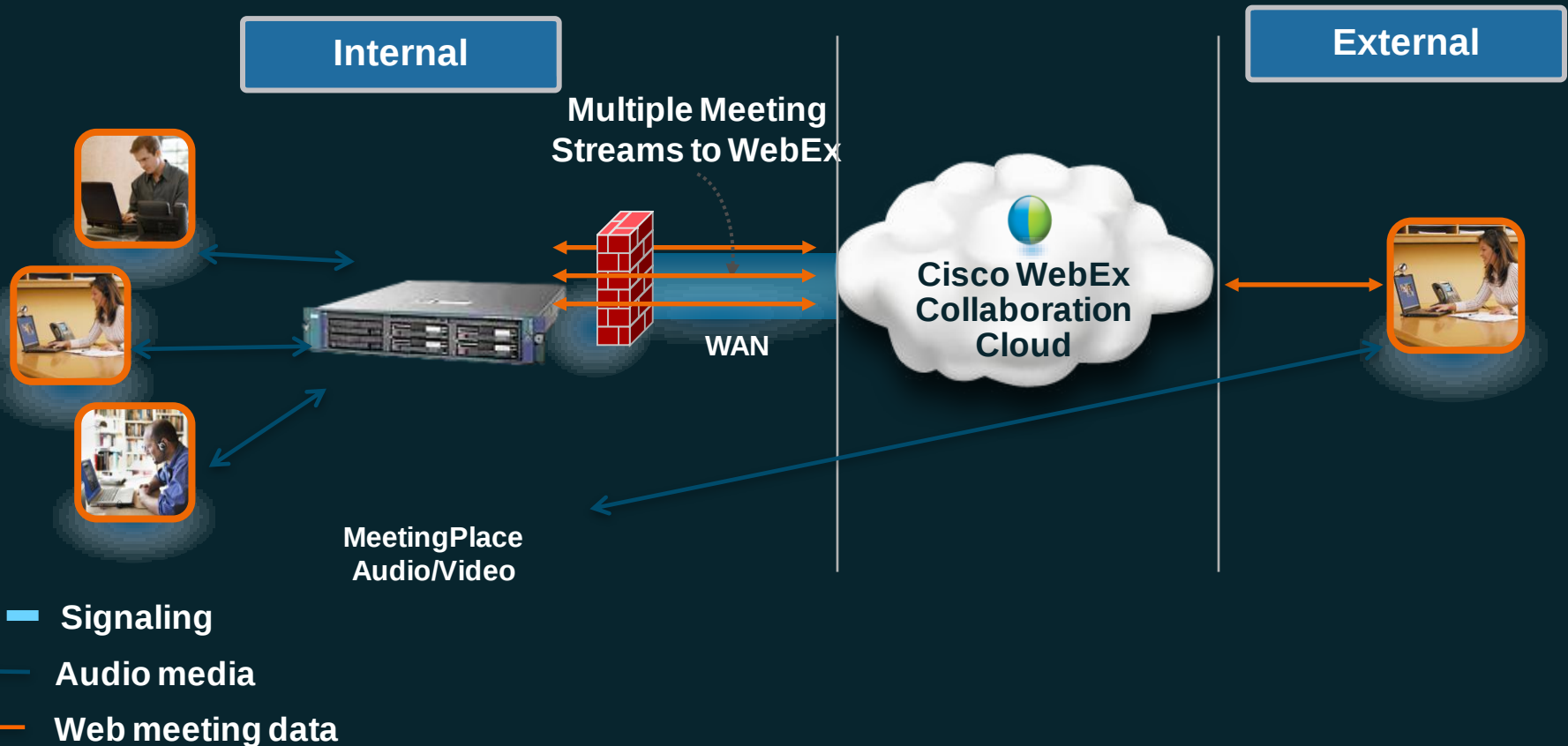
Audio/Video on Premises

- External participants connect to the MeetingPlace
- MeetingPlace Scheduling
- Video is on Desktop



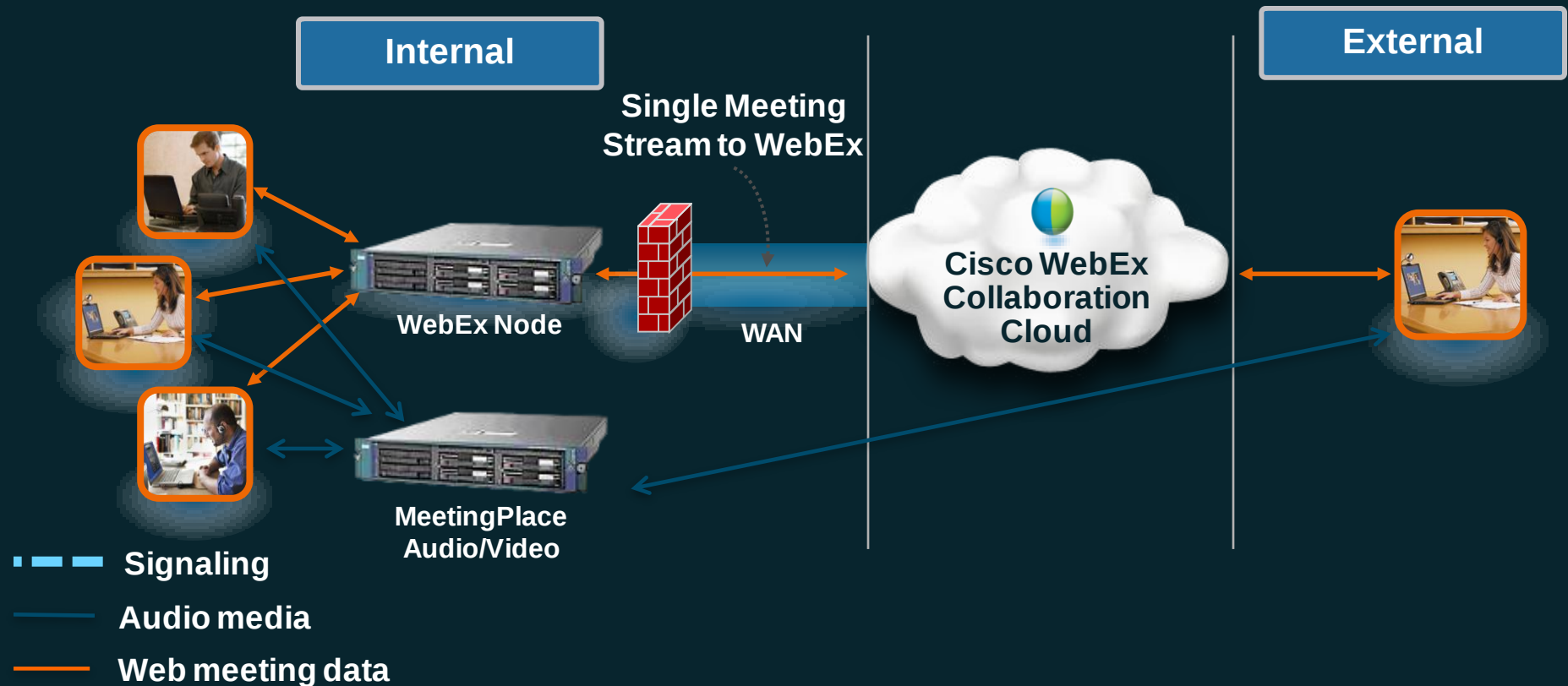
Audio/video on Prem with SaaS WebEx

- External participants connect to the cloud
- Multiple connections to Webex cloud
- WebEx Scheduling



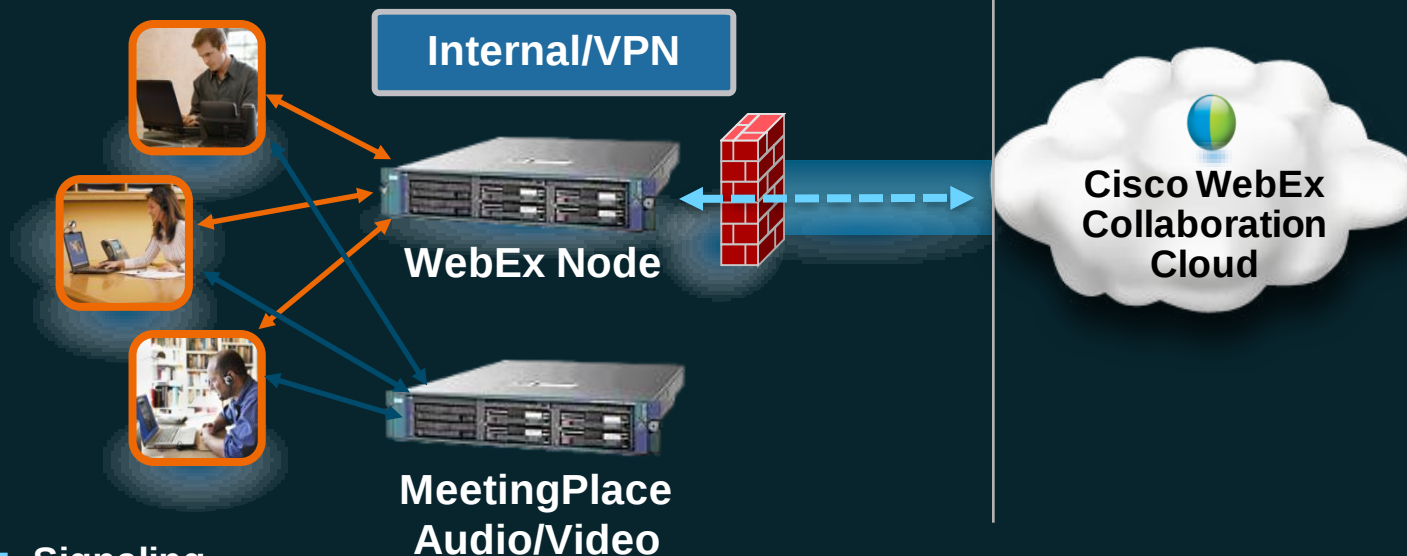
WebEx Node for MCS-External Meetings

- External participants connect to the cloud
- Single connection between the WebEx Node for MCS & Webex cloud
- Resiliency – Automatic overflow from WebEx Node to Cloud



WebEx Node for MCS –Internal-only Meetings

- Internal users connect to WebEx Node
- Requires a WebEx Site and signal to Webex cloud
- Internal meetings are only supported on Meeting Centre
- Controlled via a check box within the WebEx scheduling tools



No support for Webcam HQ video or NBR Recordings
in internal only meetings