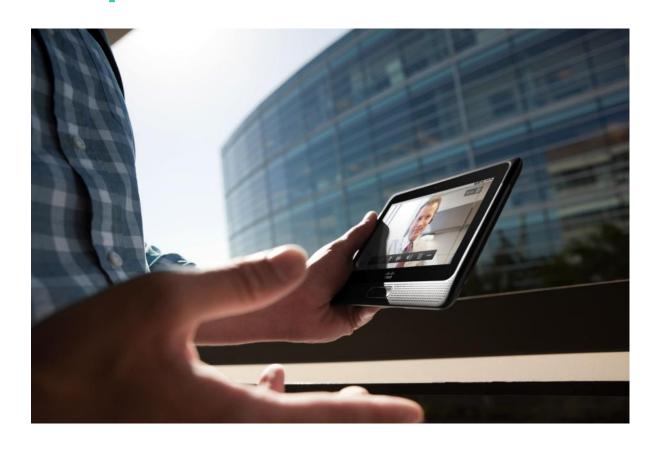
Cisco Virtual Update

Cisco Cius 30/3-2011

Per Toft, ptoft@cisco.com

Michael Lundberg, mlundber@cisco.com



Agenda

- Cius Introduction
- Hardware overview
- Android and User Experience
- Widgets and Applications
- Unified Communications
- Video
- WebEx
- Security
- Accessories
- Positioning

Cius introduction



Mobility - Anywhere, Anytime Access

- 802.11a/b/g/n Wi-Fi for On/Off Campus Mobility
- Video, voice, collaboration, 3rd party applications
- Seamless transition wired to wireless
- Cisco Anyconnect VPN connections
- Battery
 - 8 hours (normal usage)
 - Replaceable
- 3G/4G data services



High-definition Video with Cisco Cius

- 720p HD video 30 fps
- Video Interop (TelePresence, Tandberg, Cisco Video Endpoints)
 - Native Point to Point (CTS 1.7(3))
 - Multi Point (MXE, TP Server)
- HD Video Record (Front Camera)
- HD Media Playback
- Camera Swap (Front to Rear)
- Still and Video Capture (Rear Camera)
- Dual Displays (Mirror)



Computing & Virtualization- Reduced TCO & Improved Productivity

Device Computing Capabilities

Doc viewer, doc editor (QuickOffice)

Keyboard, Mouse, Monitor

Multiple VDI Vendors - Remote PC Access and cloud computing

(Wyse, Citrix, VMWare – Keyboard and Mouse)



Bringing Together Cisco's Collaboration Suite

- Cisco Unified Communications
 UC Manager 7.1.5 and 8.5+
- Cisco TelePresence and Endpoint Interop
 Native PTP (Native MP – Future)
- Cisco WebEx (Integrated)
 Meeting Center, Calendaring, Mail
- IM and Presence
 CUP, XMPP (WebEx Cloud Future)
- Cisco Quad
 Virtual Teaming
- Cisco Marketplace
 Application Management



Hardware overview







Back

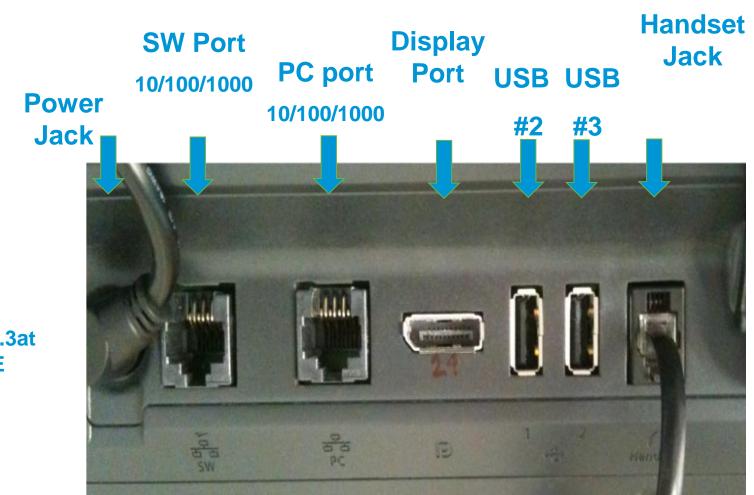


Cius in Media Station





Bottom of Media Station



802.3at PoE

Android Introduction



Locked Home Screen









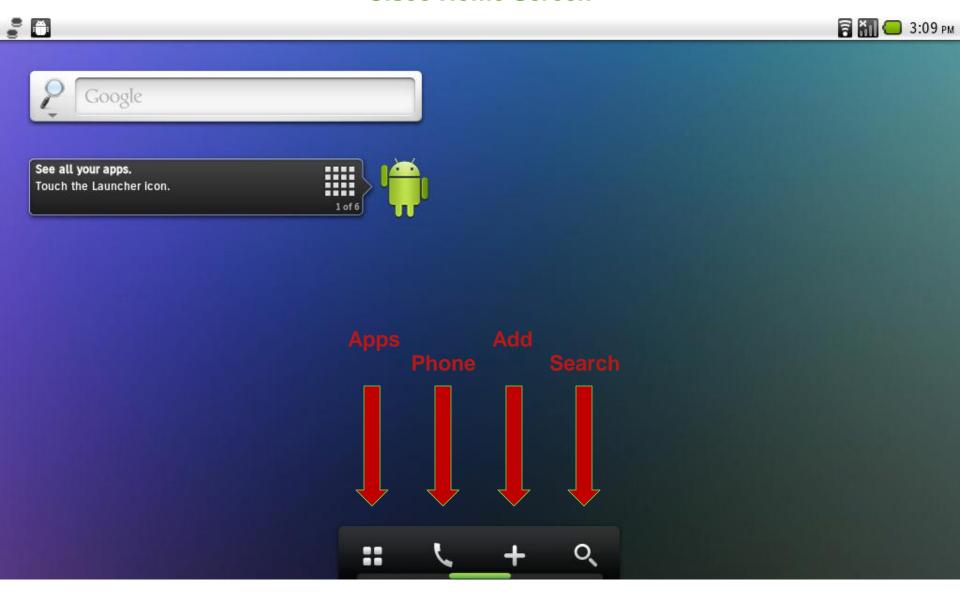
3:28

Sunday, January 23

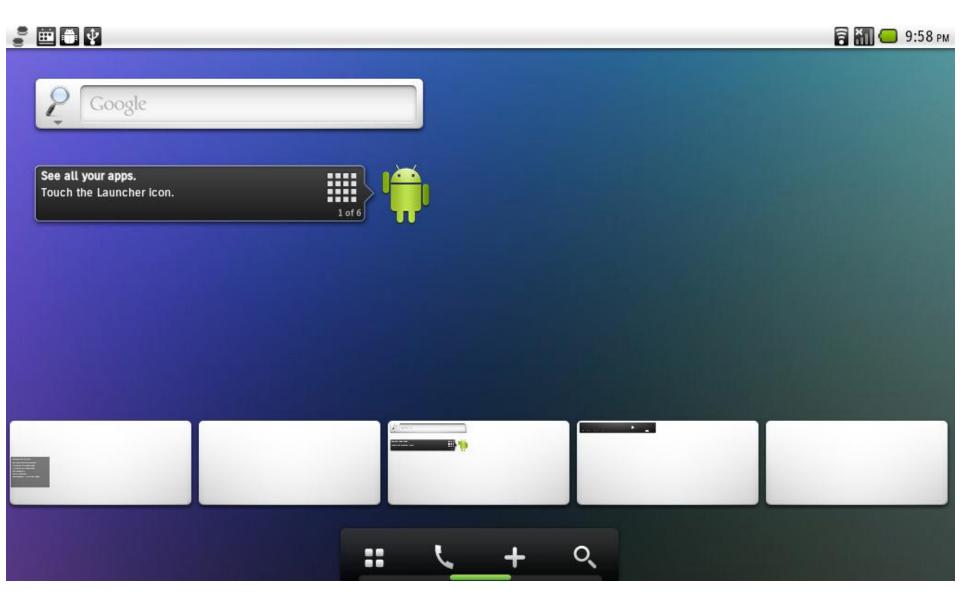
Charged.



Cisco Home Screen



Cisco Cius has 5 Home Screens

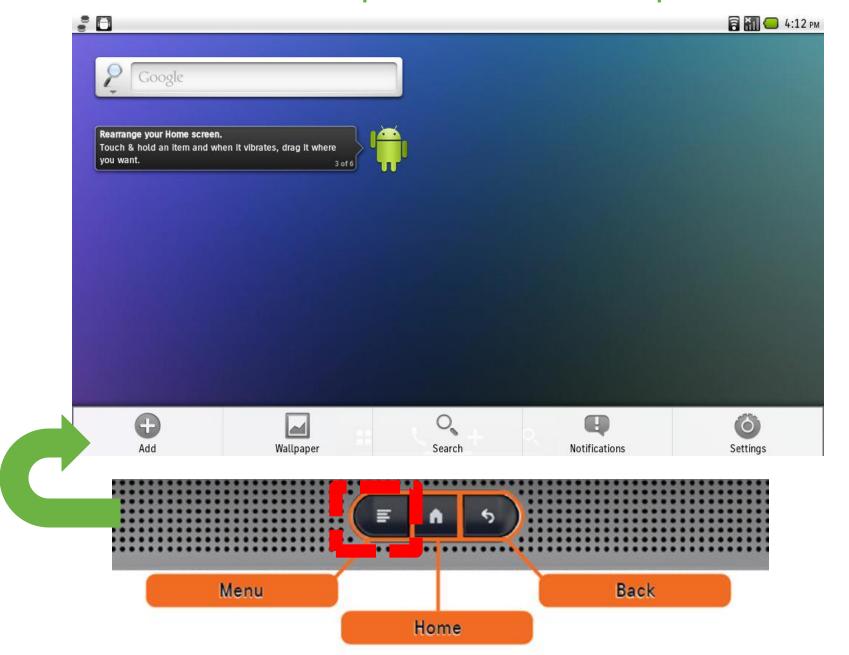


Long Press the Apps key to show the Home Screen overview

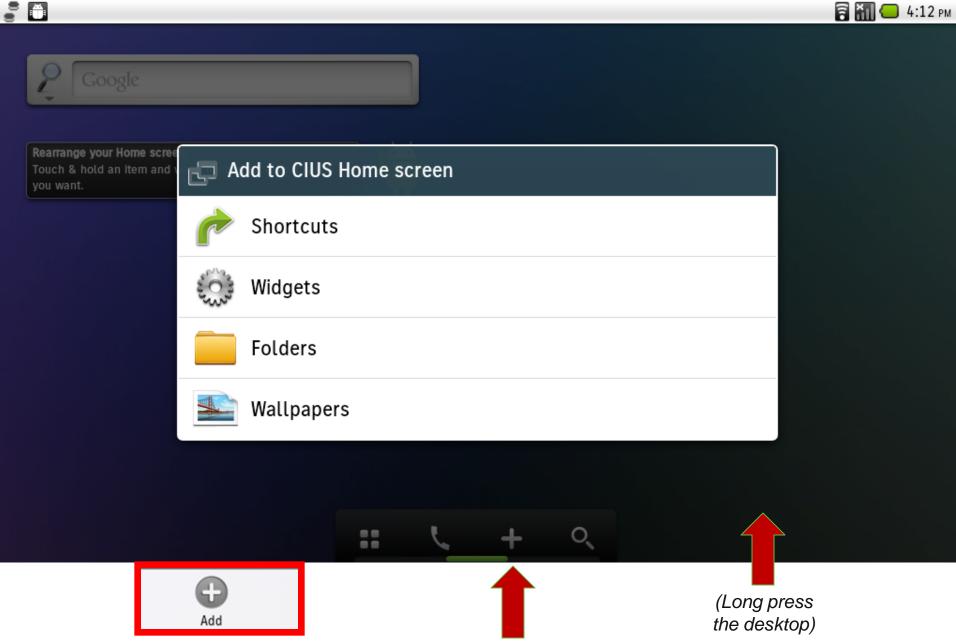
Multitasking - Long Press the Home Button for "Alt Tab" functionality



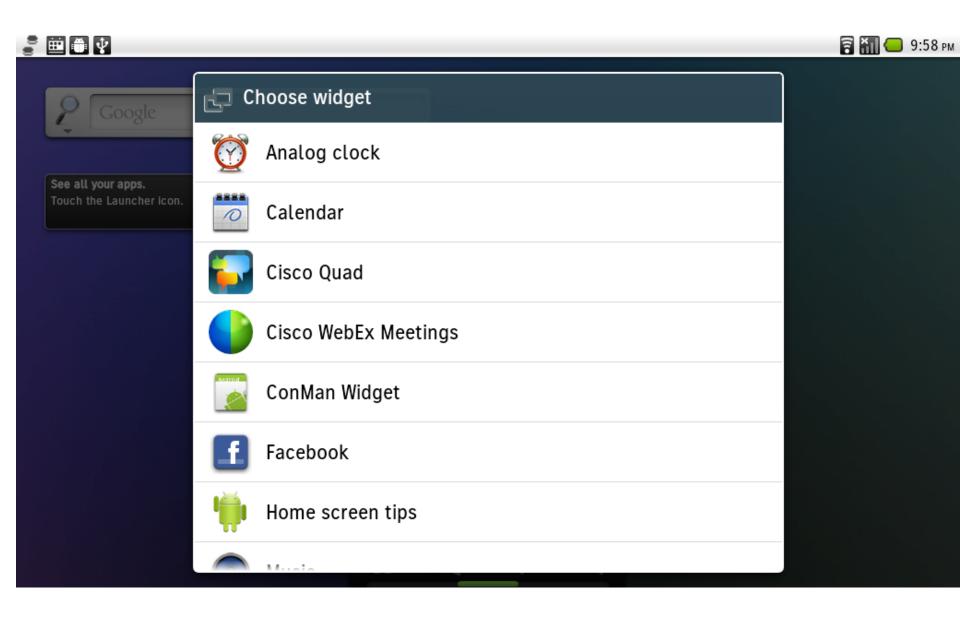
Press Menu to Additional Options That Are Context Specific



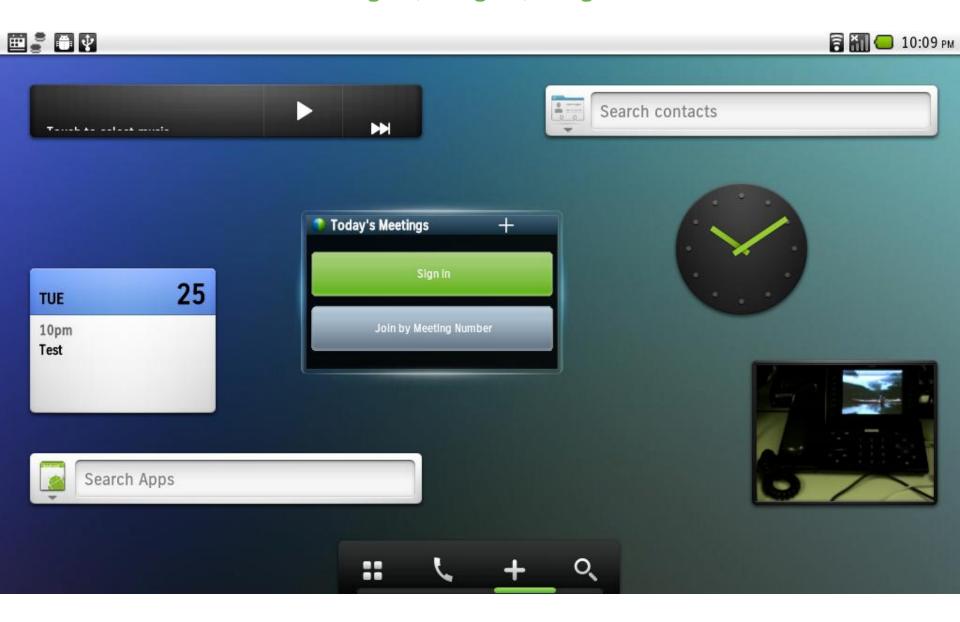
Three ways to "Add" to home screen



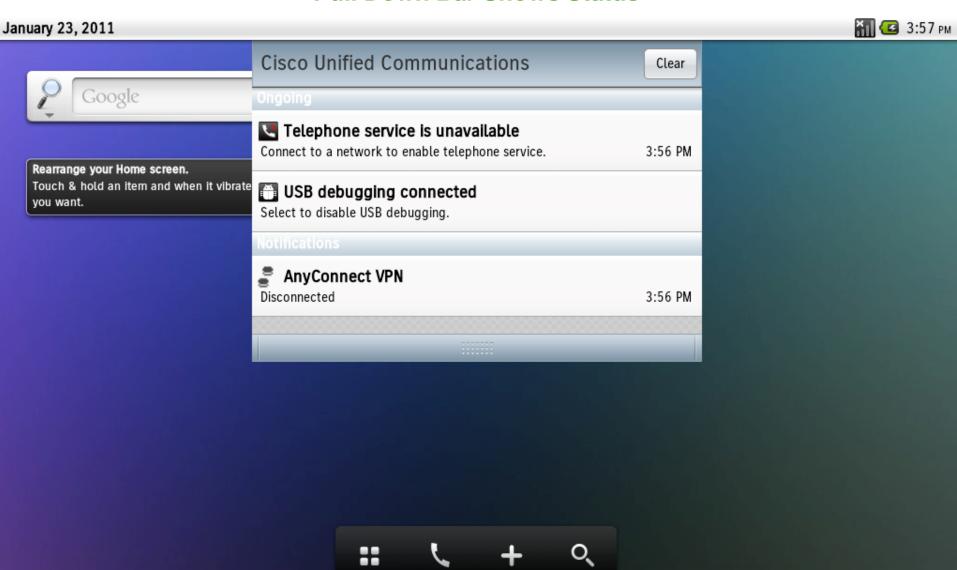
Add a Widget



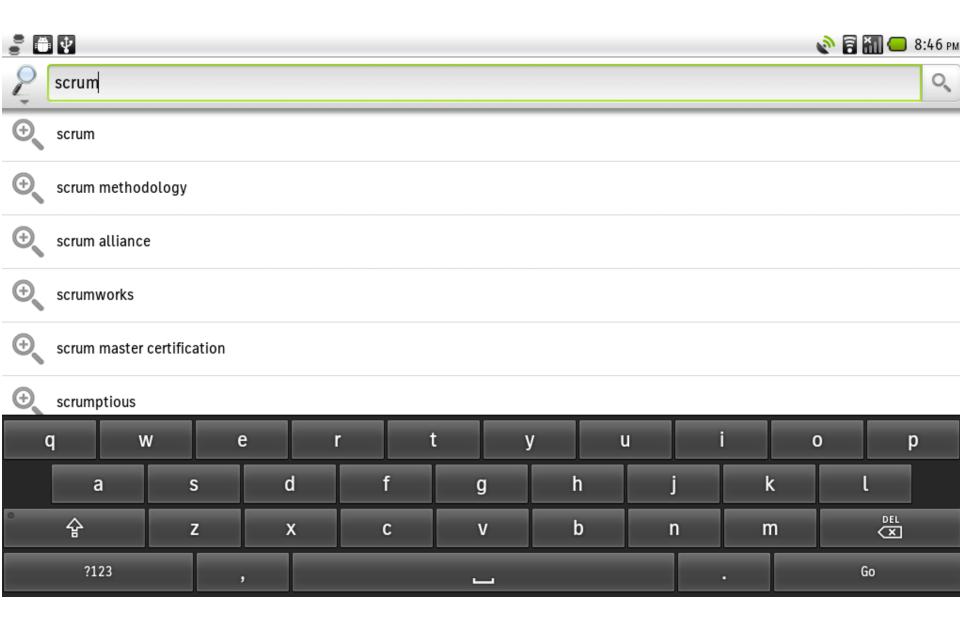
Widgets, Widgets!



Pull Down Bar Shows Status



Search



Applications – You get here by pressing ->



















Application Center



Browser



Calculator



Calendar



Camera



Cisco WebEx Meetings



CiscoTelExplore



Citrix



Clus IM Client



Clock Contacts



DemoClusActivity



DemoCMedia



Dev Tools



Email



Facebook



Gallery



Media Client

































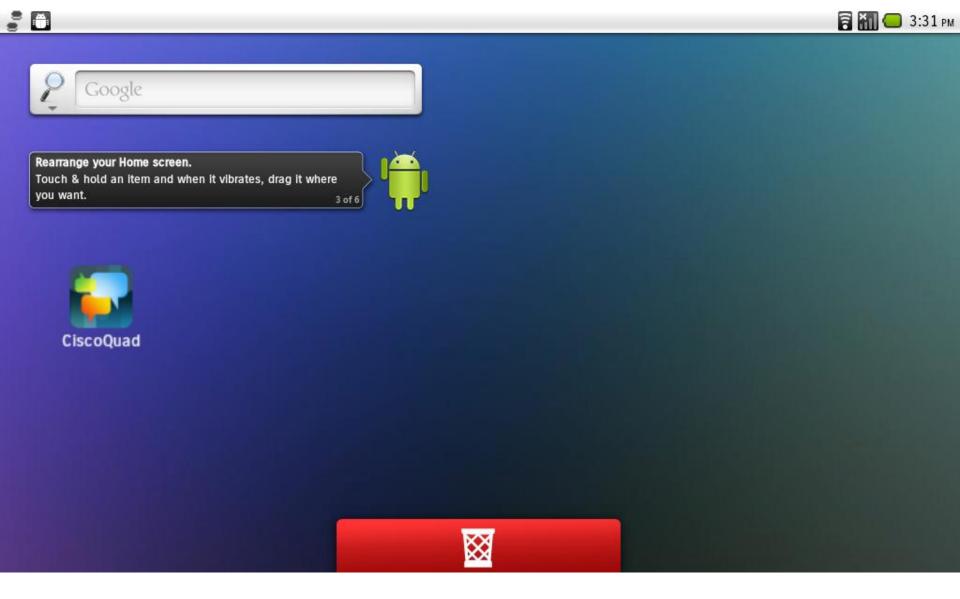
USA TODAY



WYSE

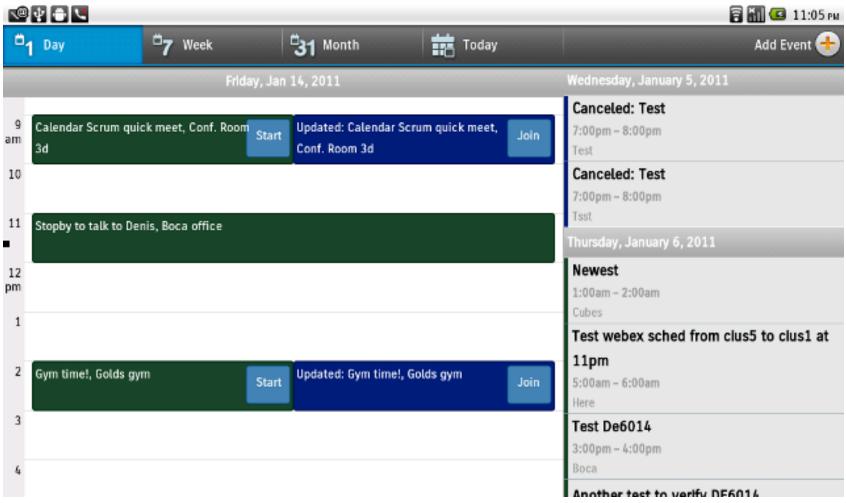


Hold Down an App to Have it Appear on the Home Page



Calendar



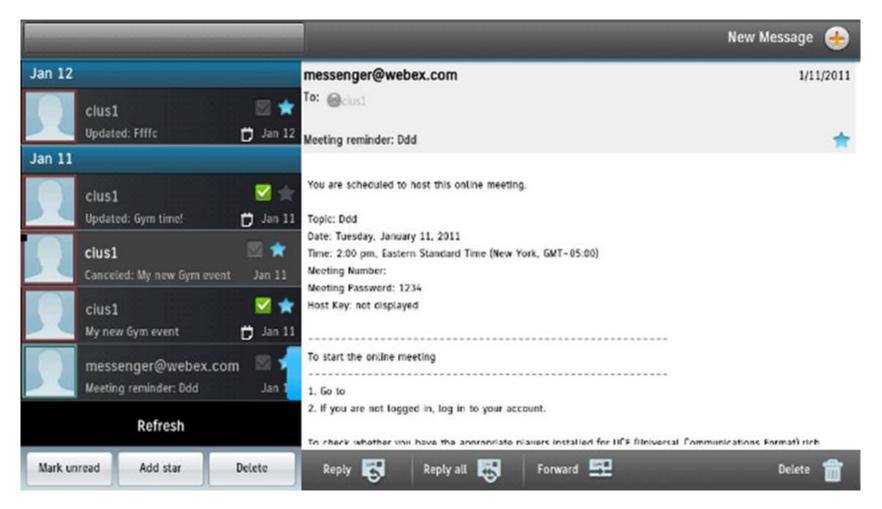


Syncronization with Exchange.

Join WebEx meeting directly from meeting invite.



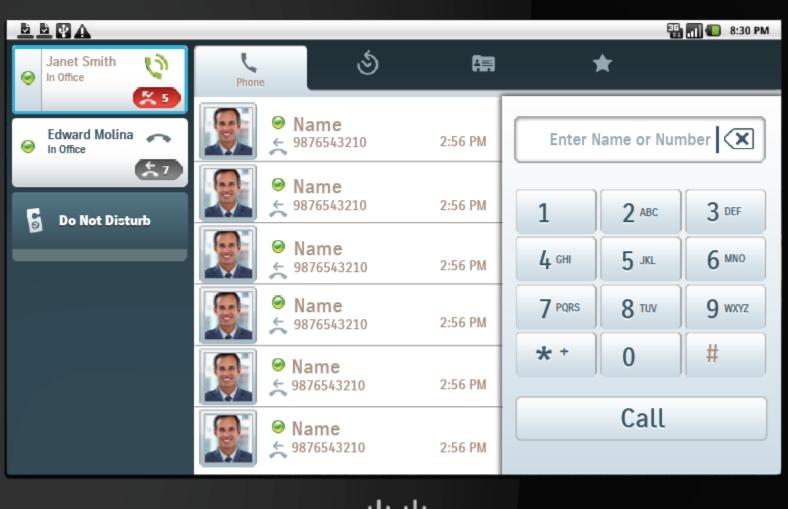




Clients supports Exchange, IMAP, POP3
A client for Lotus Notes is available at Android Marketplace

Voice & Video User Experience

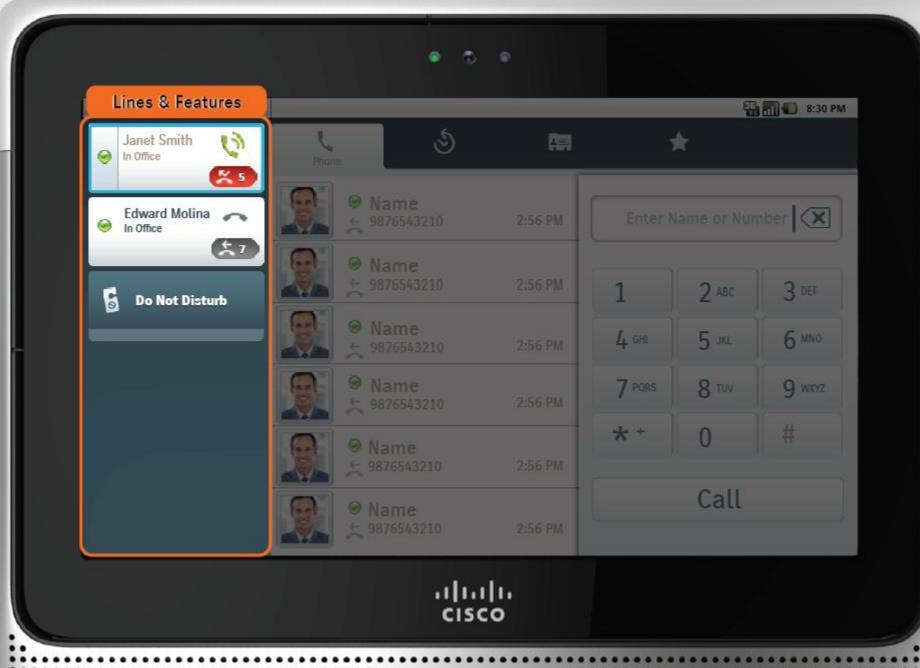




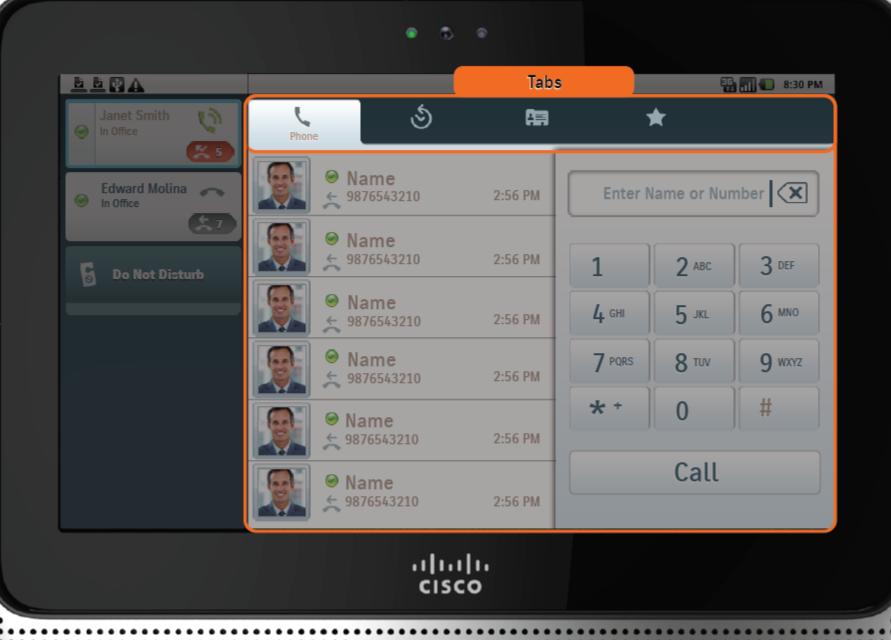
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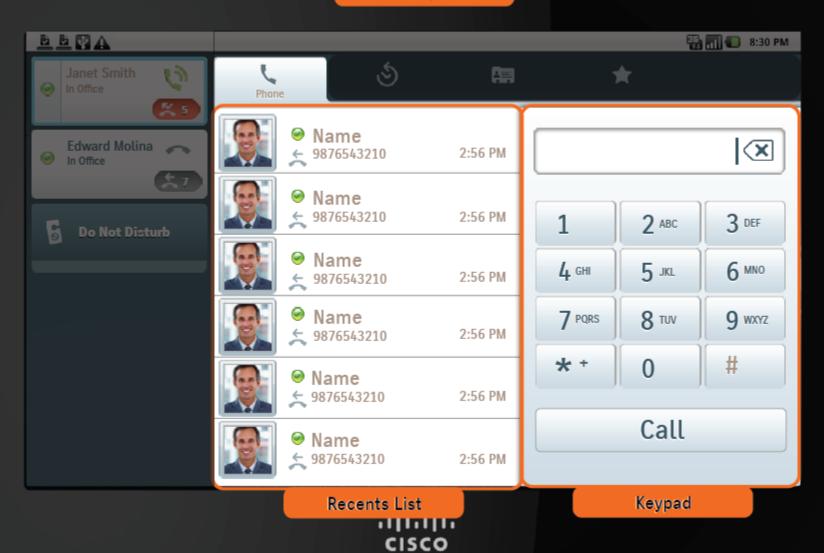
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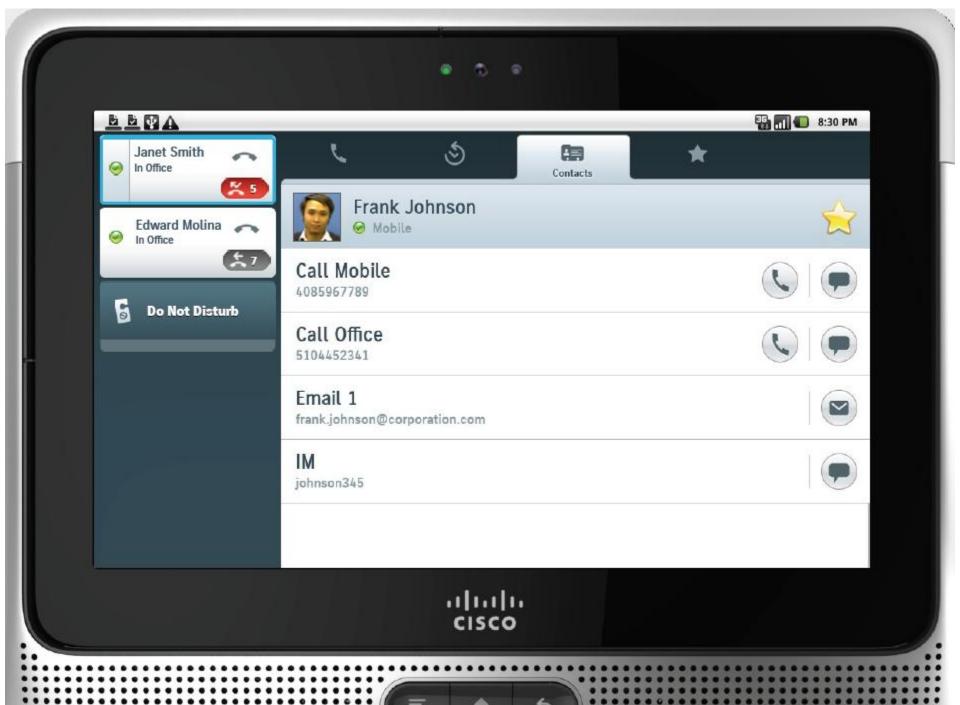






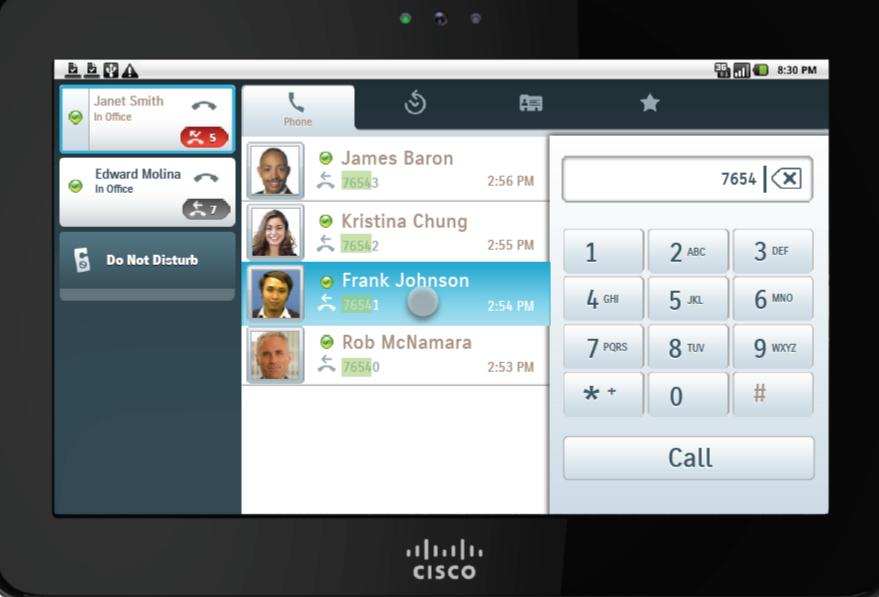
Phone, Idle



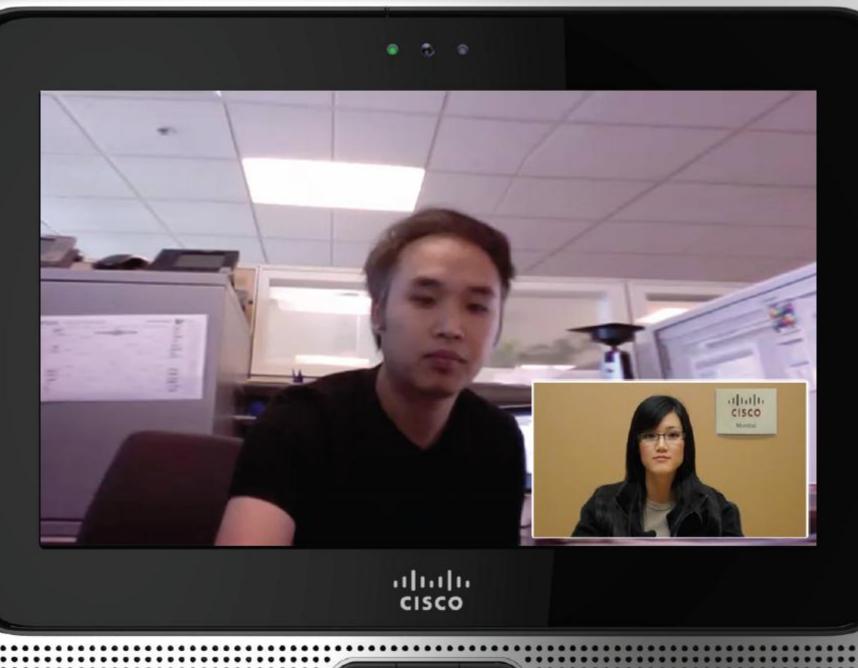














CUCM Configuration

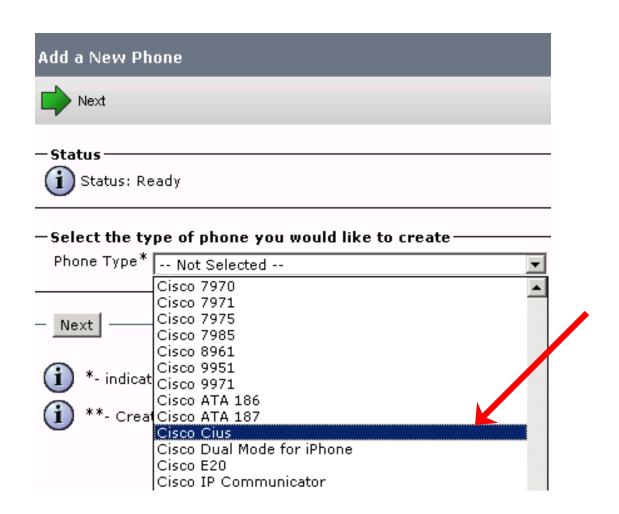


Step 1 – Install COP

1. Apply cop file, restart CUCM and TFTP

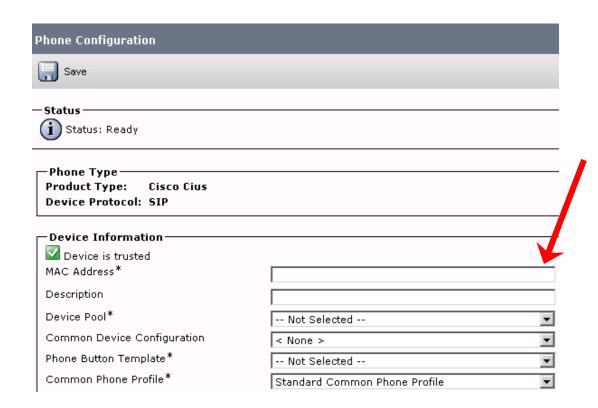
CUCM Version	Cius	MD5 Hash Value
8.5	cmterm-cius-ccm85- devpack-7.cop.sgn	fded5b10b78c54a6f4688 98690d7de38
8.6	cmterm-cius-ccm86- devpack-7.cop.sgn	fe78b2c26f09df74bf54fcc 9861256e8
7.1.5	cmterm-cius-ccm715- devpack-7.cop.sgn	319fae79881ca5fe6af71 2bdeb3fa807

Step 2 – Add Cius Device



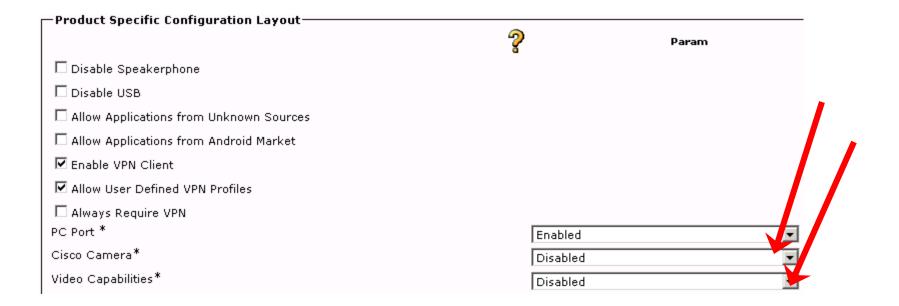
Step 3 – Configure Cius Device Page

 The preferred method to register Cius is autoregistration. If you know the <u>correct</u> Cius MAC address, you can enter the Cius MAC address here



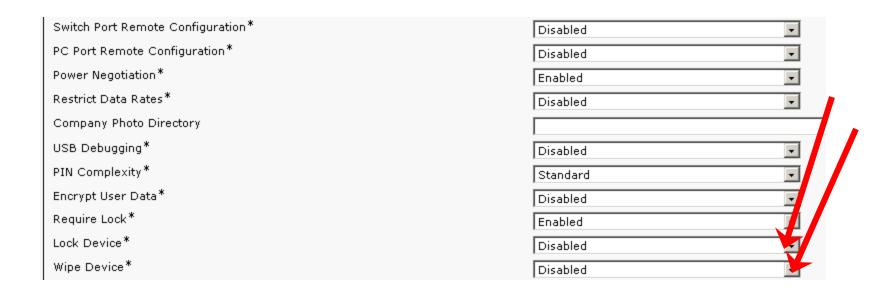
Step 4 – Camera Setup

- Enable "Cisco Camera" and "Video Capabilities" and check the "Override Common Settings" check box
- By default these are disabled. They can be enabled globally on the "System->Enterprise Phone Configuration" or "Device->Feature Control Policy."



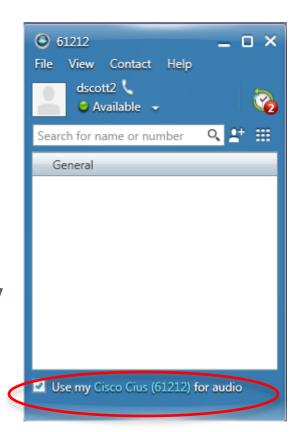
Step 5 – Cius Security Settings

1. Caution: The "Wipe Device" security setting is intended to wipe the device.



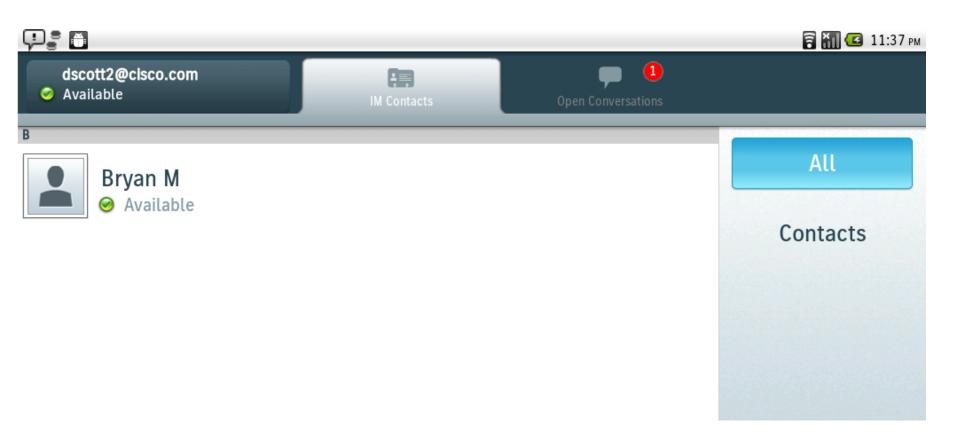
Step 6 – CUP (Optional)

- Consistent CUCM/CUP Configuration
 Same as with any Cisco IP Phone
- Inbound/Outbound Calling
 Use CUPC to control Cius for audio/video
- Changing IM Status on Cius changes it on CUPC
 Make Inbound/Outbound Cius Calling with CUPC only



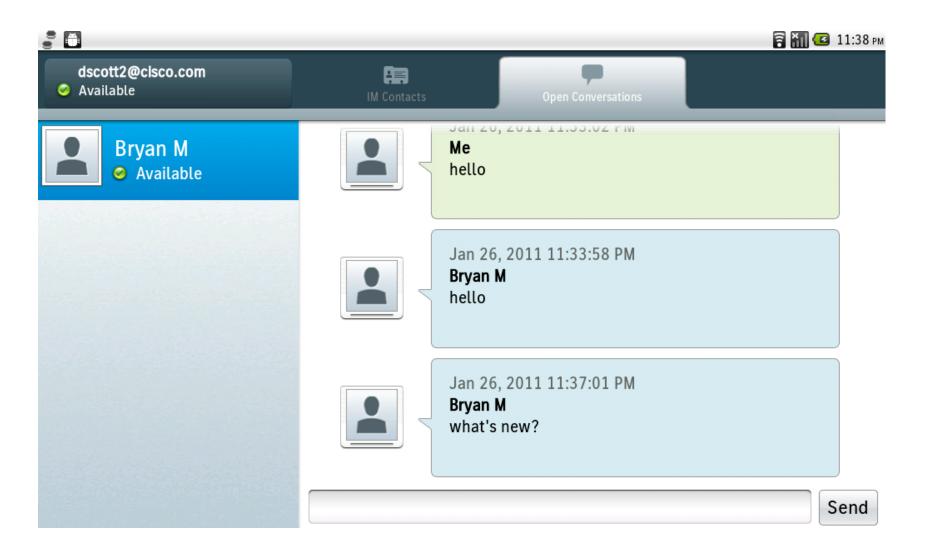
Cius IM Client Overview



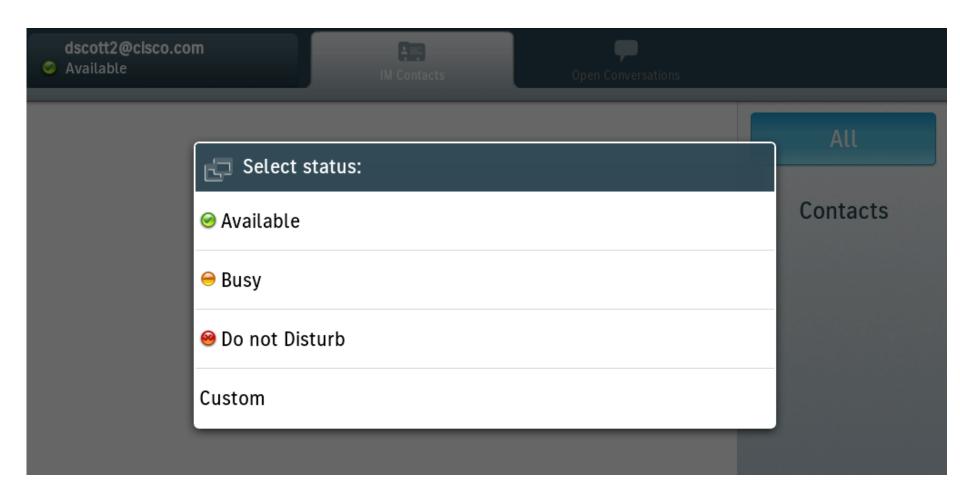


Cius IM Client - Overview





Cius IM Client - Select Status

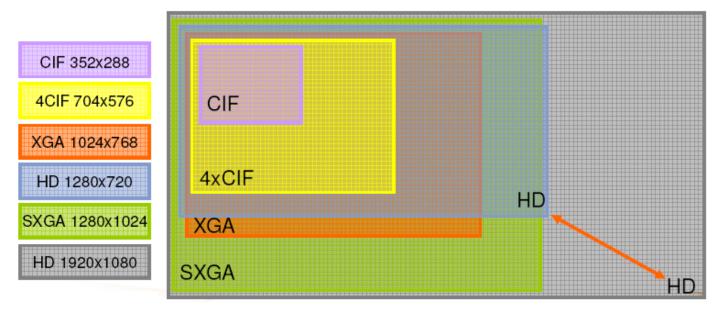


Video



Region Bandwidth Configuration

- CIF support (352 x 288)
- VGA (640 x 480, ratio 4:3)
- HD (1280x720, ratio 16:9)



- 1. By default CUCM has 384Kbps in the default Region. You need to increase this to ensure VGA (640x480) or High Definition (1024x720) resolution instead of CIF (352x288) resolution
- 2. The max setting is 32256Kbps



Three solutions for multipoint conferencing

Telepresence Server **CTMS + MXE 5600 Positioning** Powerful immersive multipoint solution High quality, ultra low latency, media with continuous presence, ad hoc switching for large immersive flexibility, individual transcoding and conferences with user-friendly features native interoperability with standardssuch as one button to push and based endpoints and TIP conference controls **Application** • Multi and single screen immersive · Multi and single screen immersive Active presence · Voice switching Quality 1080p30 quality for CTS 720p30 quality · Individual transcoding for best · Ultra low latency non-transcoded call for CTS participants quality to every endpoint · Optimized for TANDBERG and Optimized for CTS products Interop Standards-based interoperability standards-based endpoints available through MXE or CUVC · Interoperability with competitor TIP support immersive systems · Standards-based interoperability TIP support • Expandable up to 144 screens, up to • Up to 48 screens in a conference **Scalability** 48 screens per conference



The leading multipoint solution for single-screen endpoints with a variety of conference features, custom layouts for different meeting scenarios, and native interoperability with standards-based endpoints

- · Single screen multipoint
- Ad-hoc MeetMe conferencing
- Continuous presence
- Up to 1080p30 quality and support for multiple SD resolutions
- Individual transcoding for best quality to every endpoint
- Optimized for TANDBERG and standards-based endpoints
- Multivendor interoperability with all standards-based endpoints

 Expandable up to 180 HD ports, 720 SD ports, up to 60 HD/80 SD ports per conference

IMMERSIVE TELEPRESENCE MULTIPOINT

WebEx

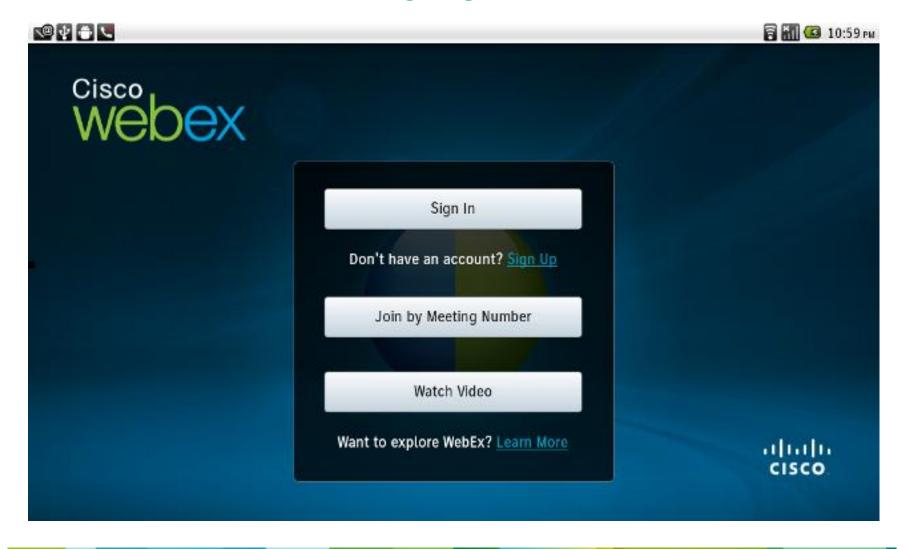


WebEx Meeting Center

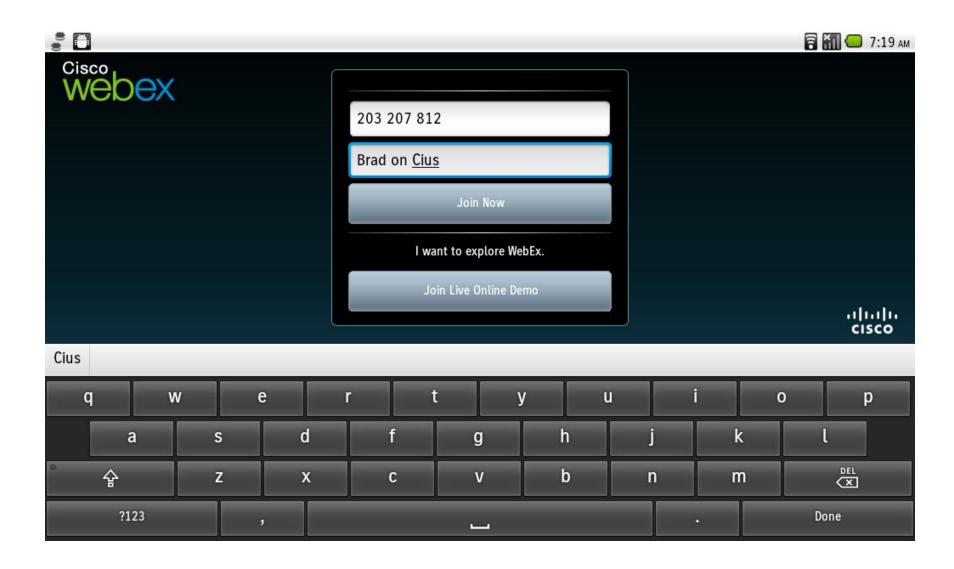
- App for Cius
- Start directly or via Contacts, IM session, and Calendar
- Must have Internet access (WiFi or ethernet)



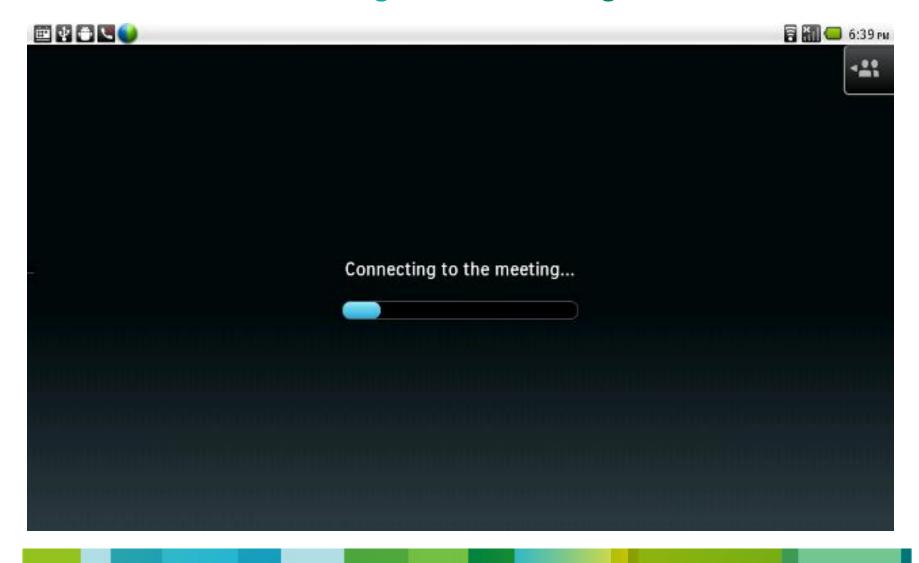
Cisco WebEx – Meeting Sign In



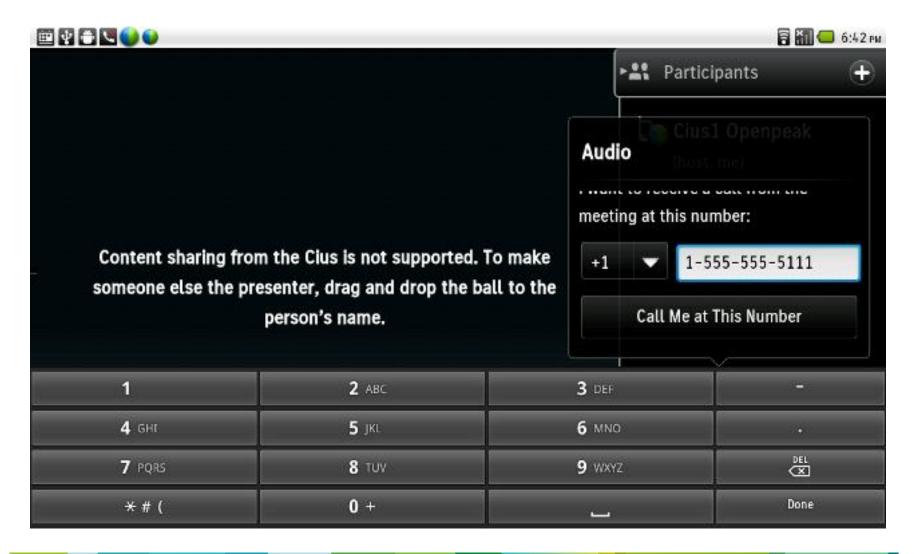
WebEx – Join Now



WebEx – Connecting to the meeting...



WebEx – Call Me at This Number



Security



Cius Security Overview

From an admin perspective, very similar to 89xx/99xx:

- •Image/File/Config Authentication and Encryption
- Media Security (sRTP)
- •CTL/ITL X.509v3 Certificates
- Security by Default (SBD)
- Trust Verification Service (TVS)
- •CAPF
- Signaling Security (SSL/TLS)
- •SSH
- •802.1x and 802.1x PC port
- Secure Boot
- Secure Storage

Encrypted File System

- New facility to protect data at rest on the device
- Encrypts user data on a per user basis (users can't see each other's data)
- Support is in the kernel so it is transparent to users
- New "Encrypt User Data" config parameter under Product Specific Configuration Layout



Overview AnyConnect VPN Client on the CIUS

- AnyConnect 2.4
- Vpn Profile Configurations
 - Admin Configured gateways (via cucm)
 - Configuration Inside enterprise, pre-provision phone with VPN configuration and certificate trustlists. 'Alternate TFTP' setting is configured to UCM or TFTP server IP address. Automatically displayed in vpn settings list
 - Admin settings are applied if gateway configuration matches auth method configured on cucm (user id and password, certificate only, and certificate + password)
 - •e.g., user name/password is configured ASA tunnel group policy must also be configured for user name/password auth). In addition it's assumed that each profile refers to a single tunnel group.
 - In case of mismatch, user will still be able to connect to VPN, however password persistence, host id check, autoNetDetect will be disabled.
 - User Created VPN profiles
 - Created via VPN settings gui
 - User acceptance of server certs
 - · Password persistence, host id check, and autoNetDetect features are ignored
- Auto-Network Detect works in conjunction with the VPN Setting
- Feedback on the phone UI indicates the state of the VPN connection.
 VPN tunnel is being established, has failed to connect or is connected to one of the provisioned VPN concentrators



Accessories



Accessories

HD media station.

- 3 USB ports
- 3.5-mm headset jack
- 10/100/1000-Gbps switch ports for wired connections and Power over Ethernet (PoE)
- Additional speaker for wideband hands-free communications
- DisplayPort[™] to connect to a larger display for an immersive video experience and for a virtualized desktop experience
- Two handset options: standard and slimline

Charging dock

- Elegant charging dock to recharge the replaceable battery
- Carrying case
 - Provides LCD protection while transporting the Cisco Cius™ business tablet



USB ports on the dock

- 3 standard USB ports total (2 in back, 1 on right side).
- Allowed USB accessories at FCS (up to 16 can be connected):
 - USB serial cable (for debug console)
 - USB mouse (Tested Logitech MK320, MK520, most others work.)
 - **USB** keyboard
 - USB memory stick
 - USB powered hub (To attach more than one accessory per port.)
- In future releases, more accessories (such as USB headset) might be added.
- The micro USB port on top of tablet is used only for adb access OR sync to PC (can not attach mouse, other accessories there).

Bluetooth Highlights

- Bluetooth \$3.0
- Support for Hands-Free (HFP) and (A2DP) Profiles
- Coexistence (802.11b/g/n + Bluetooth)
- Recommend to deploy 802.11a/n (5 GHz) when using Bluetooth to avoid Coexistence limitations
- Range can be up to 30 feet, but suggested to stay within 10 feet

Hands-Free (HFP) Profile

- Bluetooth Hands-Free Profile (HFP) support offers the following call functions and features.
 - Ring
 - Answer a call
 - End a call
 - Volume Control
 - Last Number Redial
 - Call Waiting
 - Divert / Reject
 - 3 way calling (Hold & Accept and Release & Accept)
 - Speed Dialing
- For more information, refer to the documentation from the Bluetooth headset manufacturer.

Advanced Audio Distribution (A2DP) Profile

 Bluetooth Advanced Audio Distribution (A2DP) Profile support allows for the transfer of a uni-directional high quality stereo audio stream to a Bluetooth enabled stereo headset, car audio system, etc.



Bluetooth Headsets

Bluetooth headsets are available from the following vendors

Aliph® <u>www.jawbone.com</u>

Jawbone Icon for Cisco

Jawbone Icon

Plantronics® www.plantronics.com

Discovery 655, 925, 975

Explorer 360, 390, 395

Voyager 510, 520, 855, Pro

Jabra®

www.jabra.com

BT5020, BT8040, BT5010, T533

JX10 Series 2

Motorola®

www.motorola.com

H720, H780



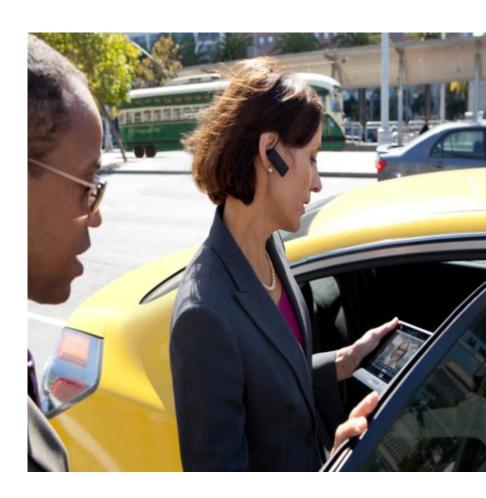


Cius Positioning



Cius Positioning

- Purpose-built for Enterprise
- Collaboration & Computing Deeper Integration
- Desktop Replacement
- Centralized Manageability
- Enterprise-class Security
- Portability
- Enterprise-class Mobility
- Open Platform
- Application Control



Thank you.

CISCO