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Enabling Workspace Transformation with Cisco Collaboration

BRKUCC-2671

Chris Anderson

Systems Engineer

Cisco live!

Agenda

- What is Activity Based Working?
- Physical Workspace Solutions
- Virtual Workspace Solutions
- Designing Work Spaces
- Q and A

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What is Activity Based Working?

The Evolving Workplace

Social Trends

Demographic Transformation

- The workforce is aging rapidly
- The connected generation's new expectations

Evolving Social Contracts

- Flexible work arrangements
- Contingent workers
- Traffic Conditions

Technology Trends

Automation

- Repetitive and administrative tasks have been largely automated/optimised.

Mobility & Cloud

- Smartphones and tablets overtaking PC's
- Digitisation and automation of work processes have reduced the overall space needed.

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The Evolving Workplace

Social Trends

Technology Trends

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The goal of Activity Based Working is to be the most productive you can be, by striking a balance between virtual working, and coming together in person to meet.

Activity Based Working

- Shift away from traditional cubicles and meeting rooms
- Many different types of spaces in the workplace to be utilised to achieve the best output
  - Collaboration areas
  - General meeting areas
  - Personal Spaces
  - Quiet Areas

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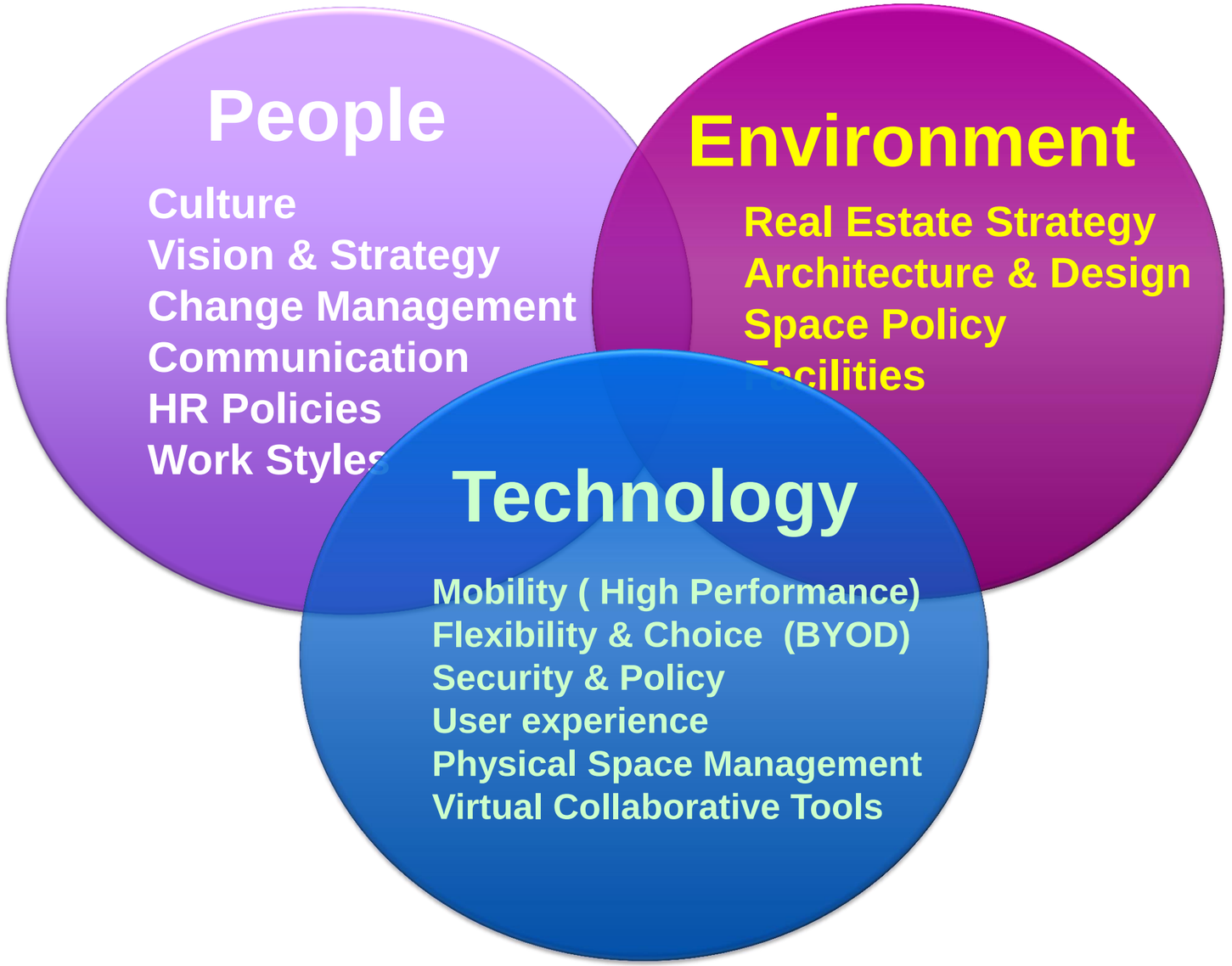
Activity Based Working relies on….



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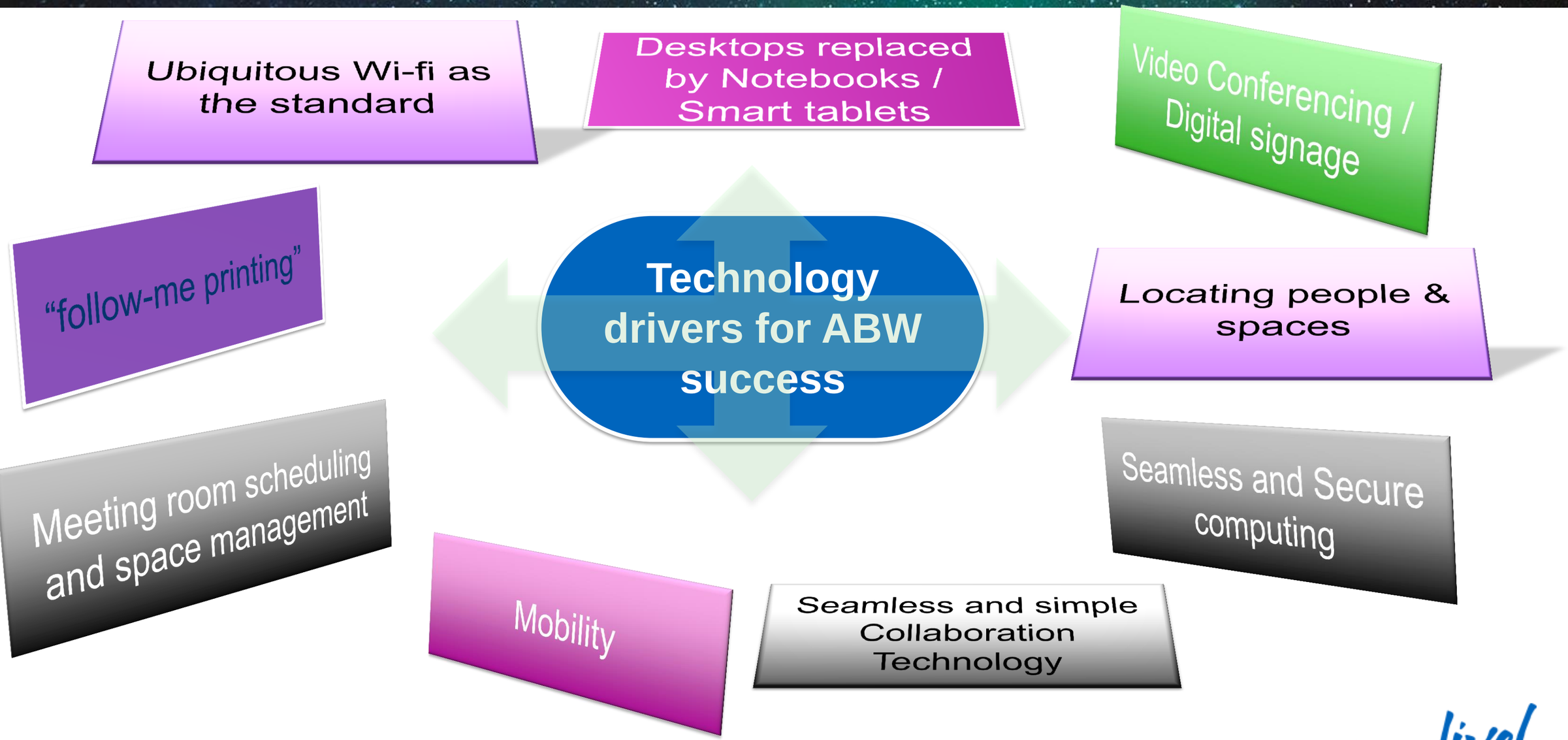
Technology to Drive ABW Success



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ABW Physical Collaboration

Smart+Connected Meeting Spaces

Smart+Connected Meeting Spaces

- Enhance Meeting Room Booking Systems
- Create a visual real-time indication of room availability
- Access room availability from touch displays and mobile apps
- Increase utilisation and availability of meetings by controlling “no shows” and allowing early release of rooms

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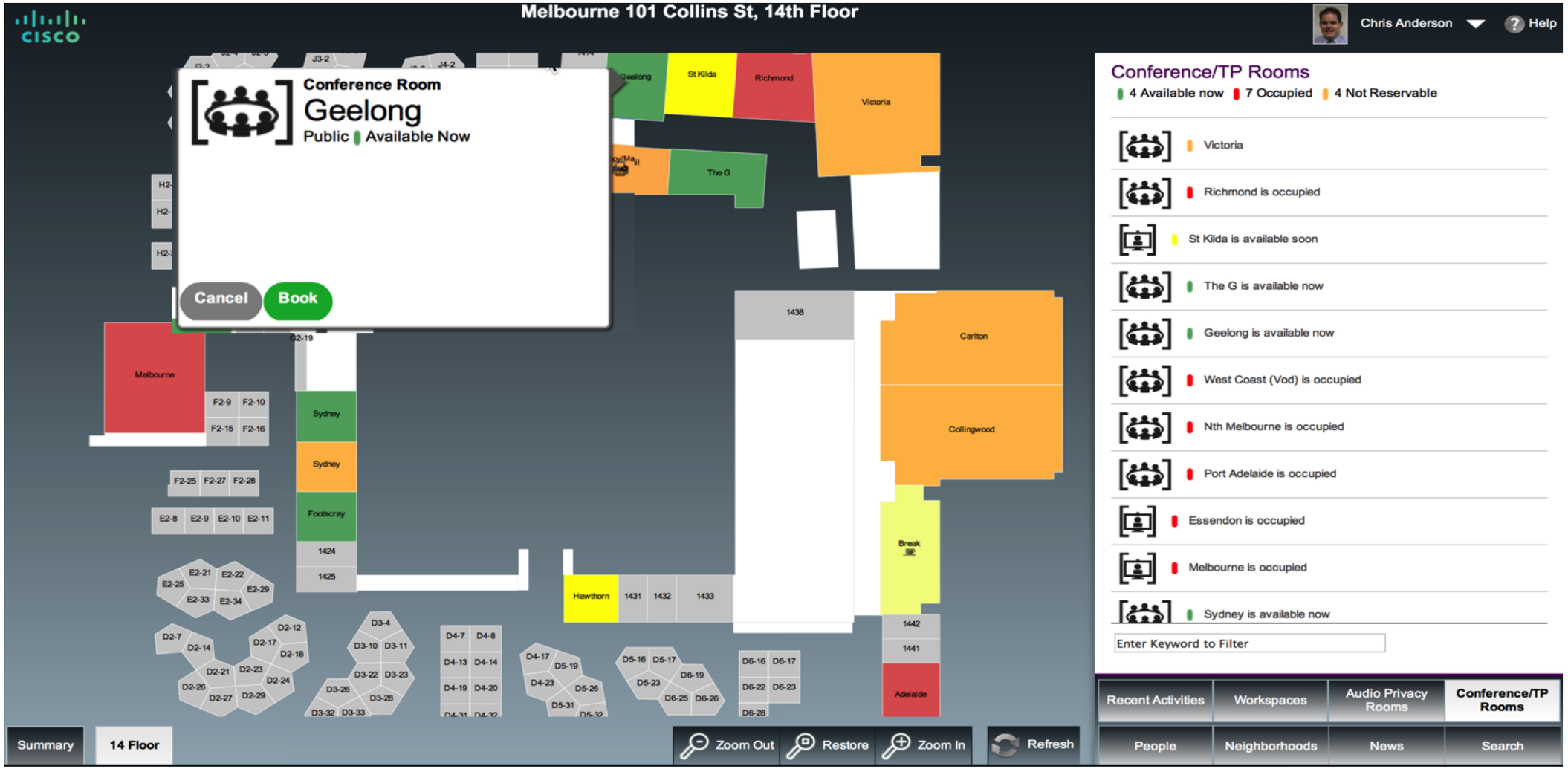
Smart+Connected Meeting Spaces



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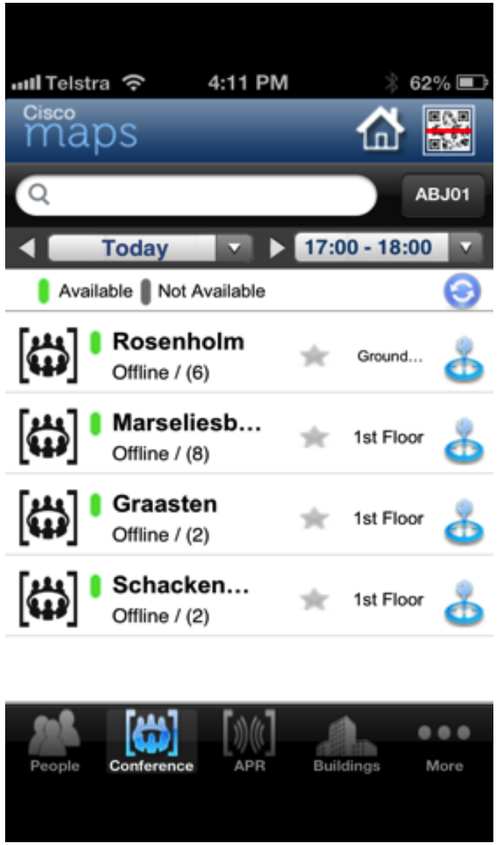
Smart+Connected Meeting Spaces

Lobby Displays

Mobile App



External room displays

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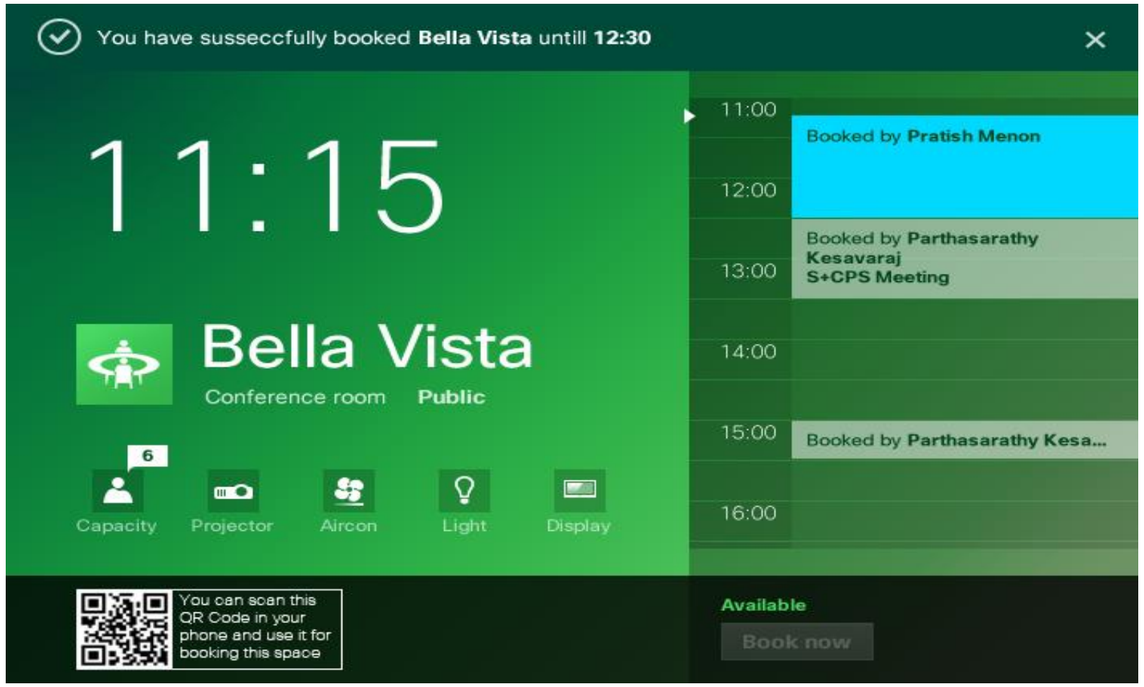
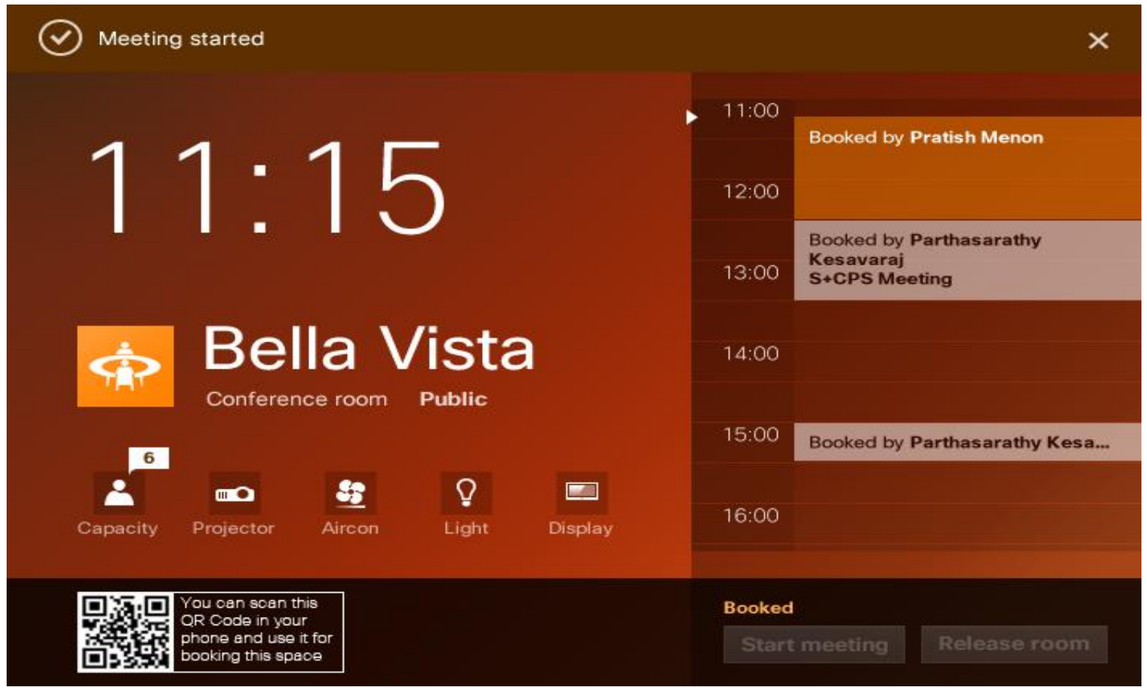
Smart+Connected Meeting Spaces





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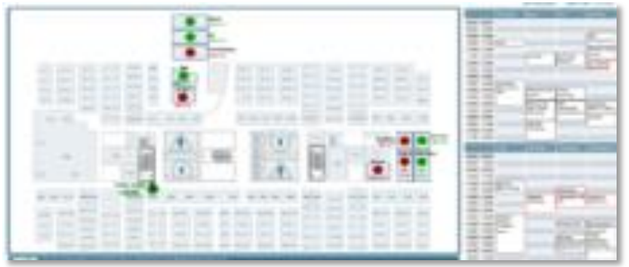
IP Phone Interface



1. Reserve via Web
2. Locate room via Digital Signage
3. Join WebEx via IP phone
4. Control room resources through IP phone
5. Extend room reservation via IP phone

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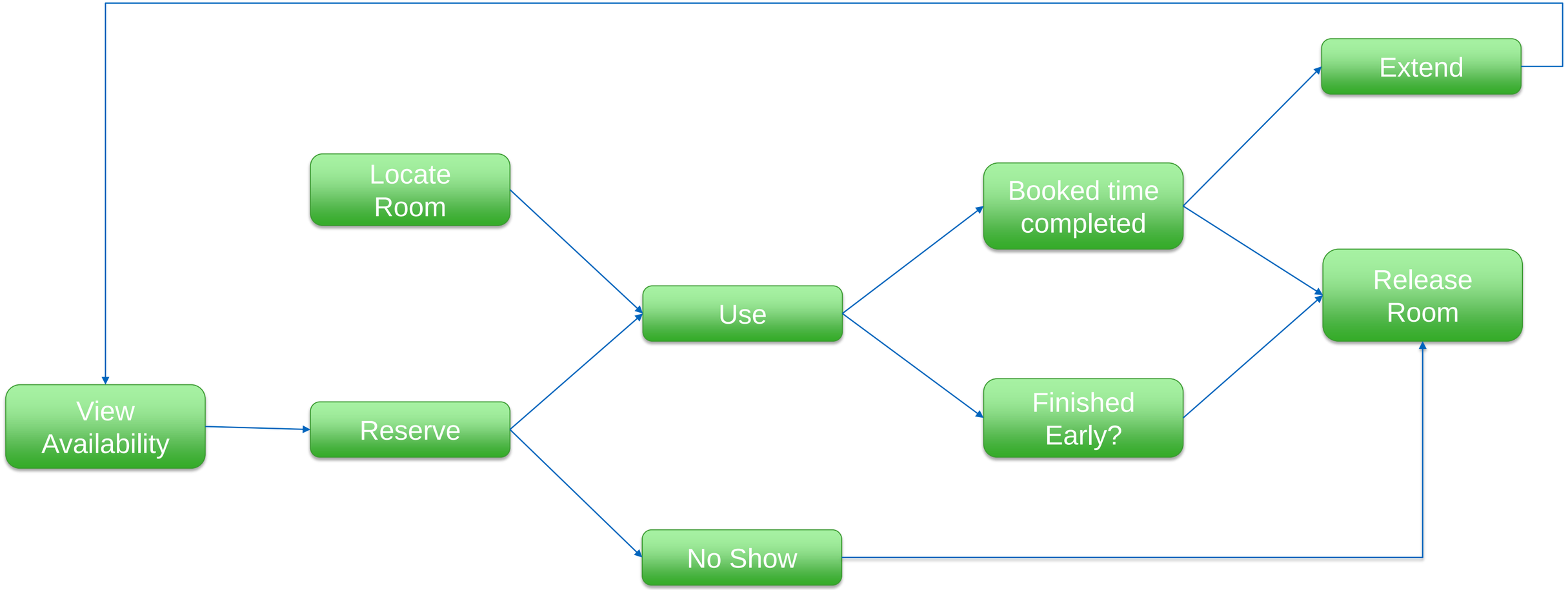
Meeting Spaces Workflow



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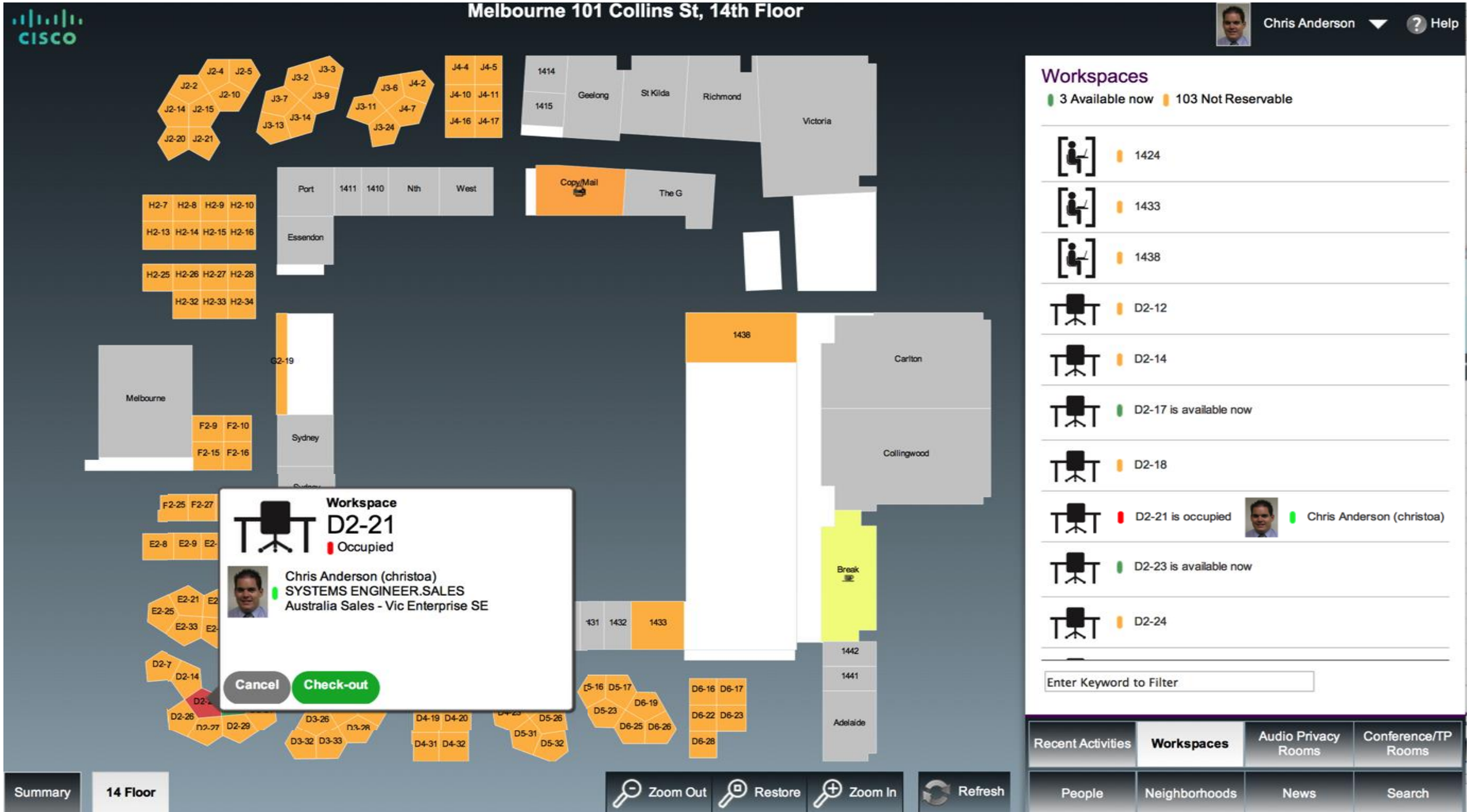
Smart+Connected Personalized Spaces

Smart+Connected Personalized Spaces



Personalised Spaces Feature Overview

Reserve

- View Office/cubicle space availability
- Quick select from among the favorites
- Search based on workspace attributes like type, equipment
- Reserve one time or over multiple days

Locate

- View neighbourhoods (zones) on floor plan
- View available/in-use workspaces
- Locate colleagues, searching by name/id to see where they are sitting
- Find your way to your desk or that of your colleagues using way finding on the kiosk or signage

Experience

- Check-in using mobile/IP Phone
  - At check-in user's digital and comfort settings take effect
  - IP Phone extension updates, personal signage displays pictures, calendar, RSS feeds etc.
  - Room temperature, lights, blinds set to user's preference
- Use the IP phone to
  - Confirm / Cancel / Extend the reservation
  - Control room environment
    - View meetings of the day

Administration | Internationalisation & Localisation | Role Based Access Control | Reports & Business Intelligence

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Space Reservation

- View office / cubicle space availability
- Quick Select from your favourites
- Search based on workspace attributes
- Reserve once off or across multiple days
- Reserve from web, mobile, kiosk or touch display

Check-in

- User can check into the workspace using web application , IP Phone, mobile*, kiosk*
- Adhoc check-ins (without reservation) are allowed based on policy*
- At check-in user's digital and comfort settings take effect

Digital Settings :

- IP Phone extension updates automatically to user's extension
- Personal signage displays
  - The Pictures
  - Calendar (from outlook)
  - RSS Feeds

Room Comfort Settings:

- Temperature (HVAC)
- Blinds (up/down)
- Lights (on/off or dimming level)

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Use the Workspace

- Control the room environment from the IP Phone
- Extend room booking from the IP Phone app
- Audio notifications when booking is about to expire
- Manage quality of the workspace with problem logging

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Features: Checkout

- Check-out from web, IP Phone, mobile
- Auto-checkout at reservation/check-in expiry
- At check-out,
  - Cisco EnergyWise devices go into energy saving mode
  - Building devices lights, HVAC, blinds go in energy saving mode as per policy configuration
- Usage information is stored for chargebacks to departments etc.

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Smart+Connected Spaces Design Considerations

Smart+Connected Spaces Platform

5 **User Experience End points**

4 **Smart+Connected Meeting Spaces**

Smart+Connected Personalized Spaces

1 **Platform**

Cisco / non-Cisco Applications

3

Equipment Reservation	Meeting Room & Seat Scheduling	Building Systems	Video Surveillance
Visitor Management	Security / Access Control	Catering Systems	Other FM systems
Email & Calendaring	Employee Directory	Collaboration Systems	Other IT systems

2 **Cisco / non-Cisco Devices & Technologies**

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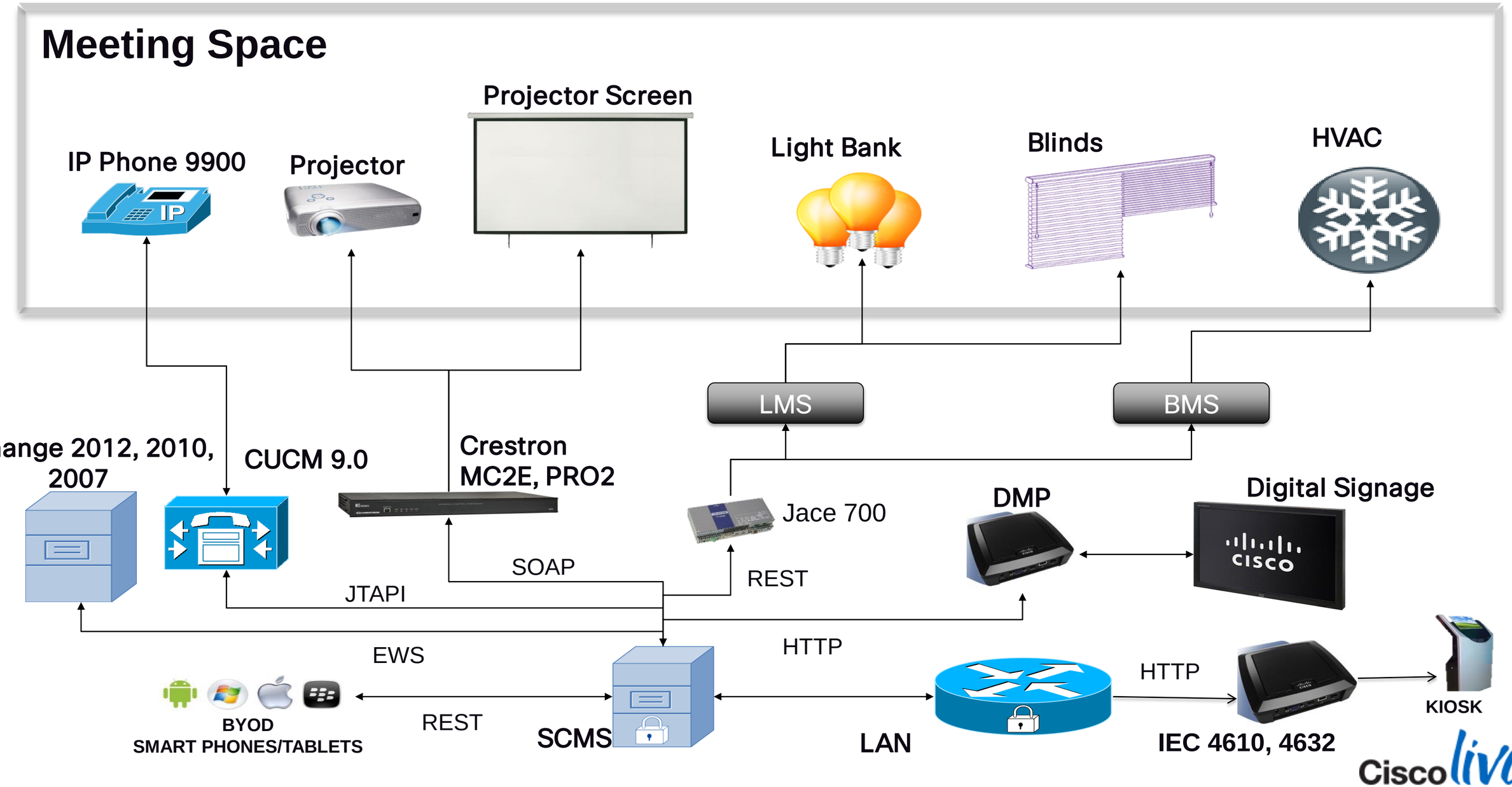
Meeting Spaces Integrations



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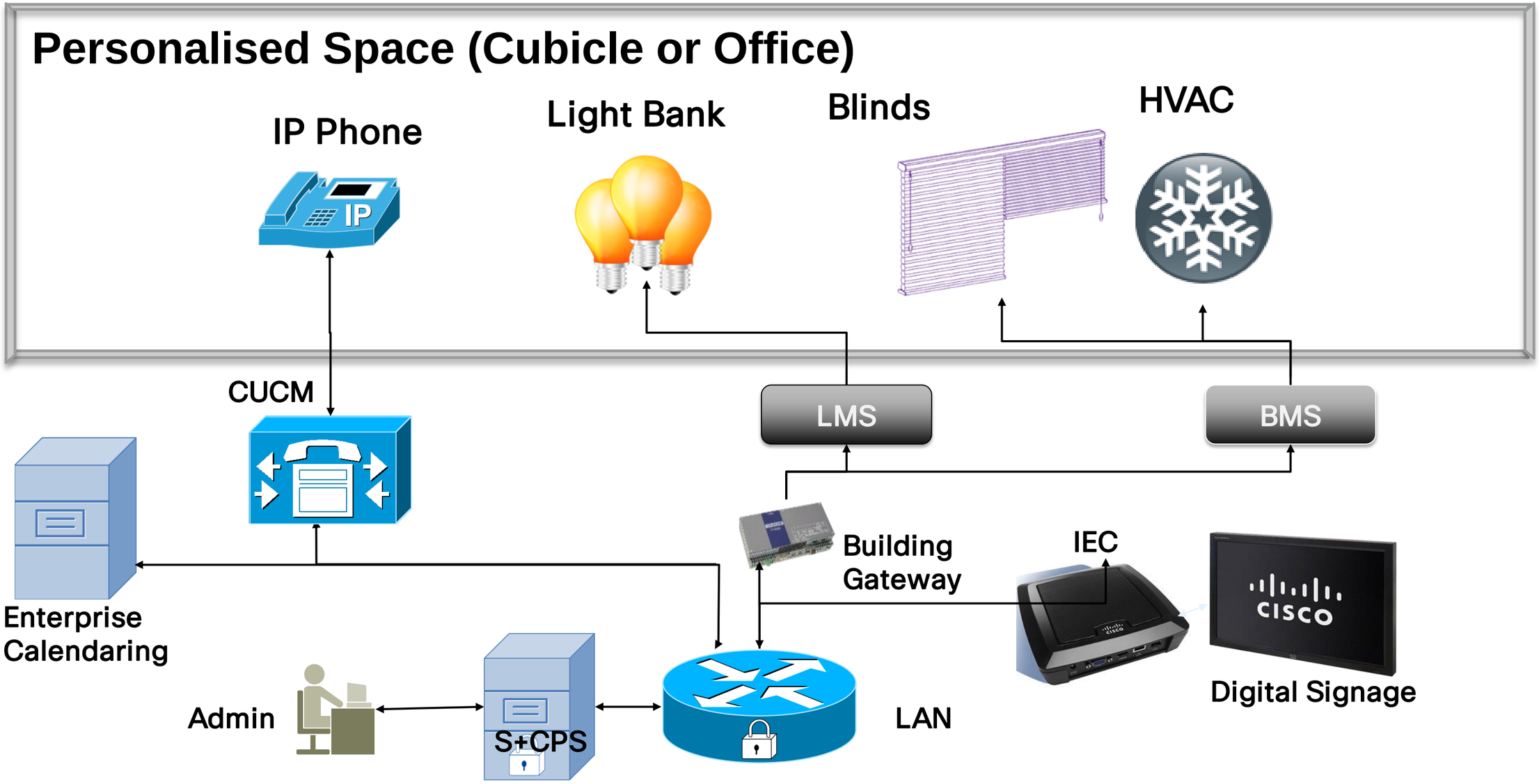
Personalised Spaces Integrations



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Smart+Connected Spaces Integrations

- Calendar Integrations
- Cisco UC Manager Integration
- Mobile Device Integration
- DMS Integration

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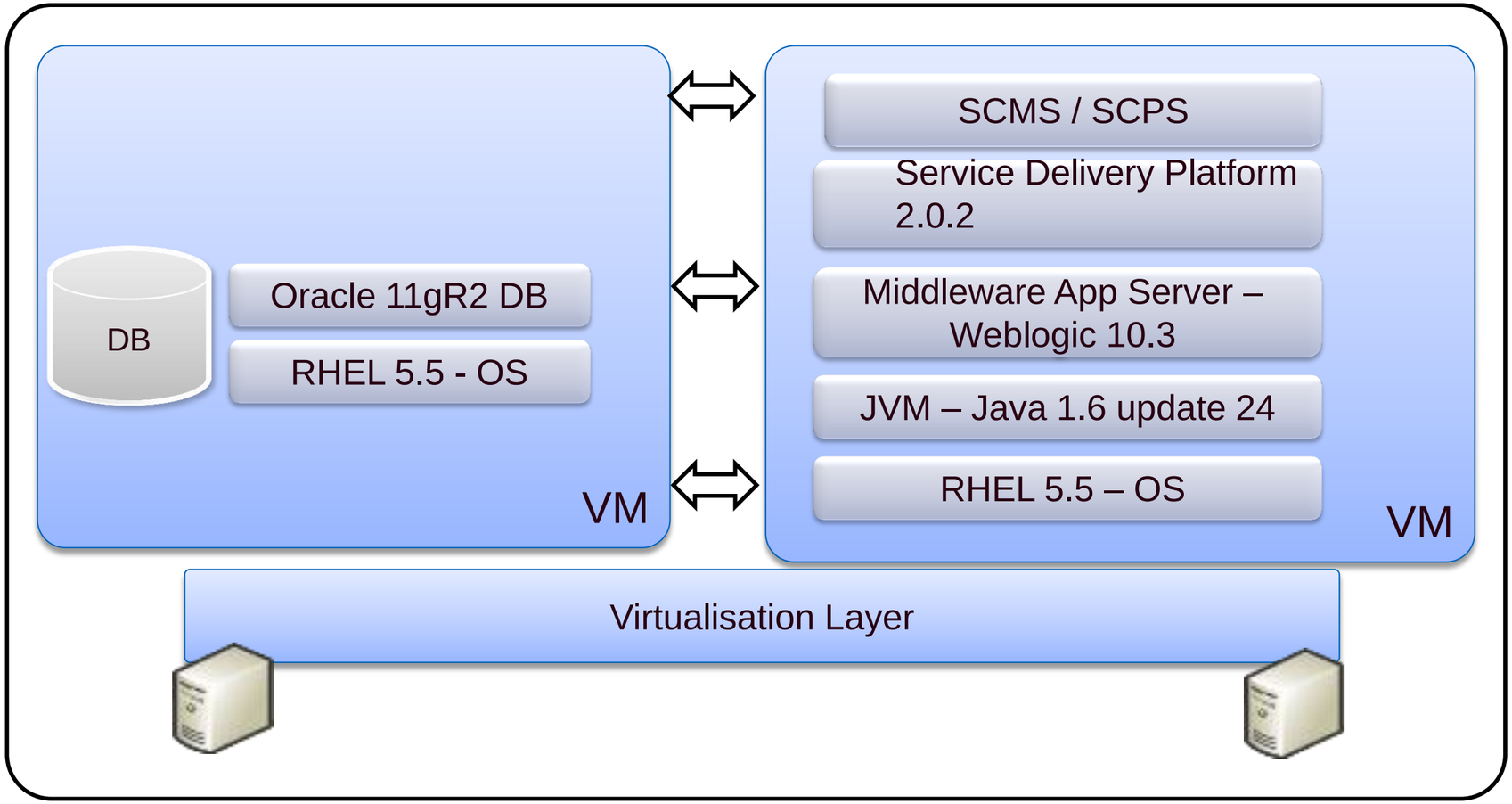
Smart+Connected Spaces Deployment Models

Non – Clustered Deployment

- Database and Solution are deployed on different VM/hosts
- No High availability



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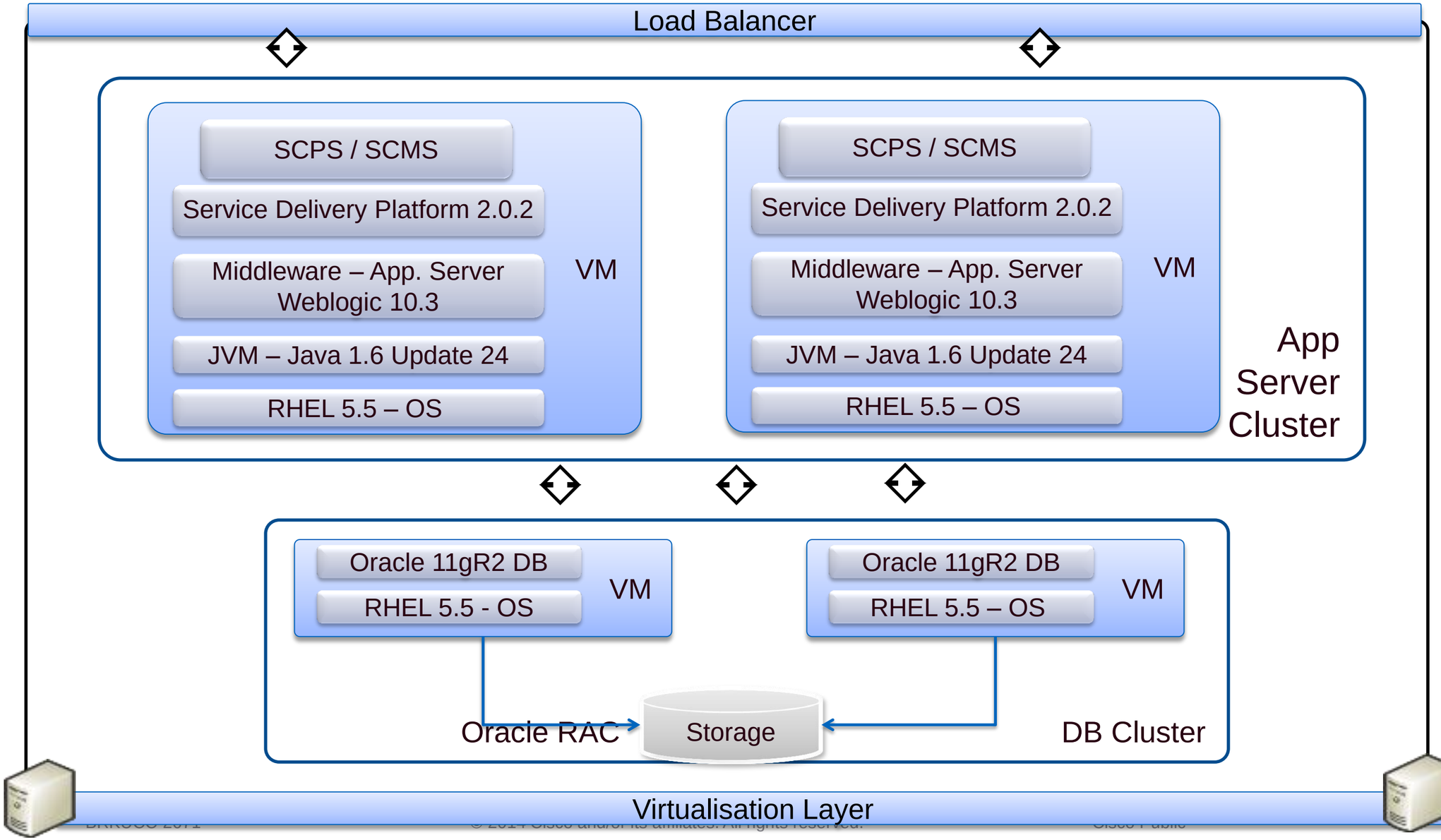
Clustered Deployment for High Availability



Underlying Cisco & 3rd Party Components

#	Solution Component	Recommended Model
1	UCS Server to host solution	UCS C220 M3S / M3L
2	Cisco IEC / DMP for signages	IEC 4610/4632 IEC Manager DMP 4310G
3	Cisco IP phone in meeting rooms	9971/9951/7975
4	Cisco Unified Communications Manager	CUCM 8.x and onward
5	Cisco Services	AS & TS for Cisco hardware
6	3rd party Kiosk / Signage	ELO 55” Wall mounted touchscreen
7	3rd party App & DB server	**Commercial Stack:** Oracle Weblogic + Oracle Database **Open Source Stack:** Jboss + POSTGREsql
8	3rd party Building Mediation Gateway	Honeywell Tridium JACE
9	3rd Party Services	Installation & Support for 3rd party

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ABW Virtual Collaboration

Flexible Workspace Virtual Collaboration Mandates

- Deliver “instant accessibility” to virtual resources
- Access from anywhere and on any device
- Ease of access, and predictable experience

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Key Components for Enabling ABW

- Cisco Unified Communications Manager Registered Endpoints
- Collaboration Edge – Expressway
- TelePresence Conductor with TelePresence Server
- Personal Multiparty
- Intelligent Proximity
- Extension Mobility
- Jabber on the desktop for voice / video
- WebEx integration

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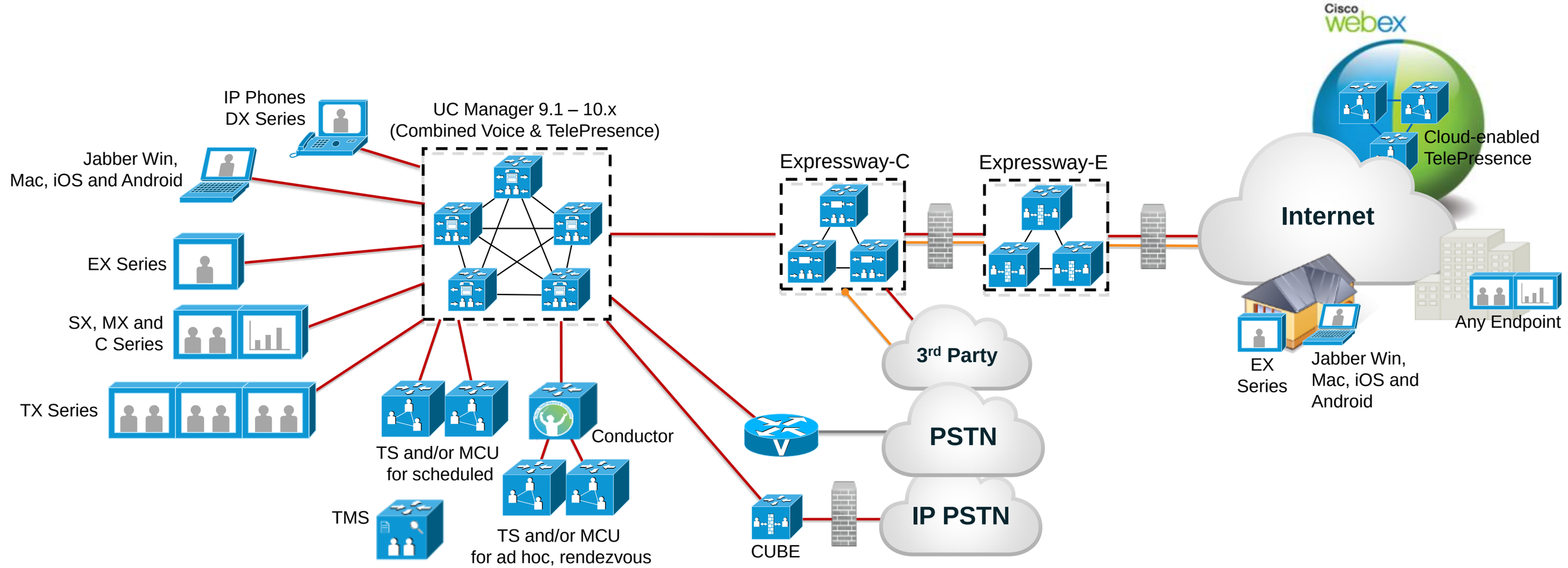
Solution Architecture



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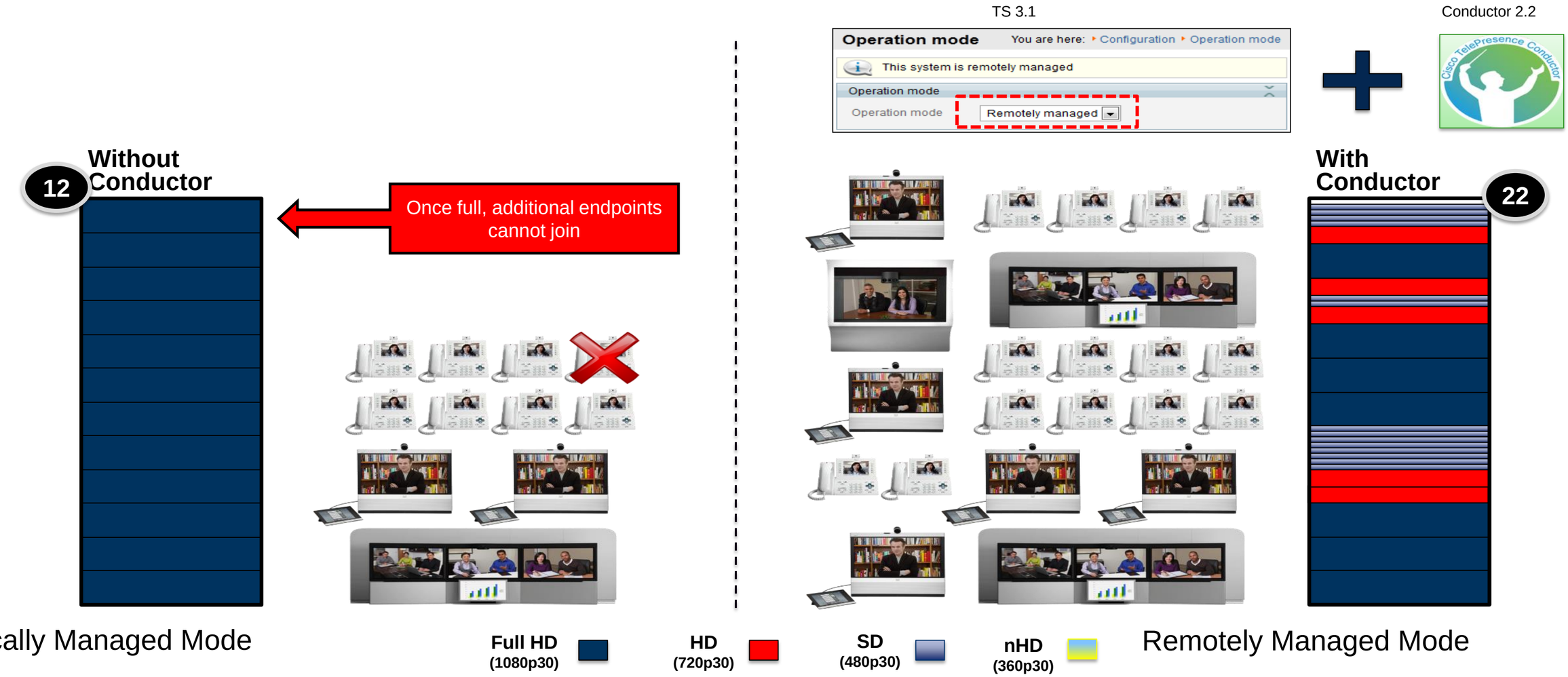
TelePresence Conductor with TelePresence Server



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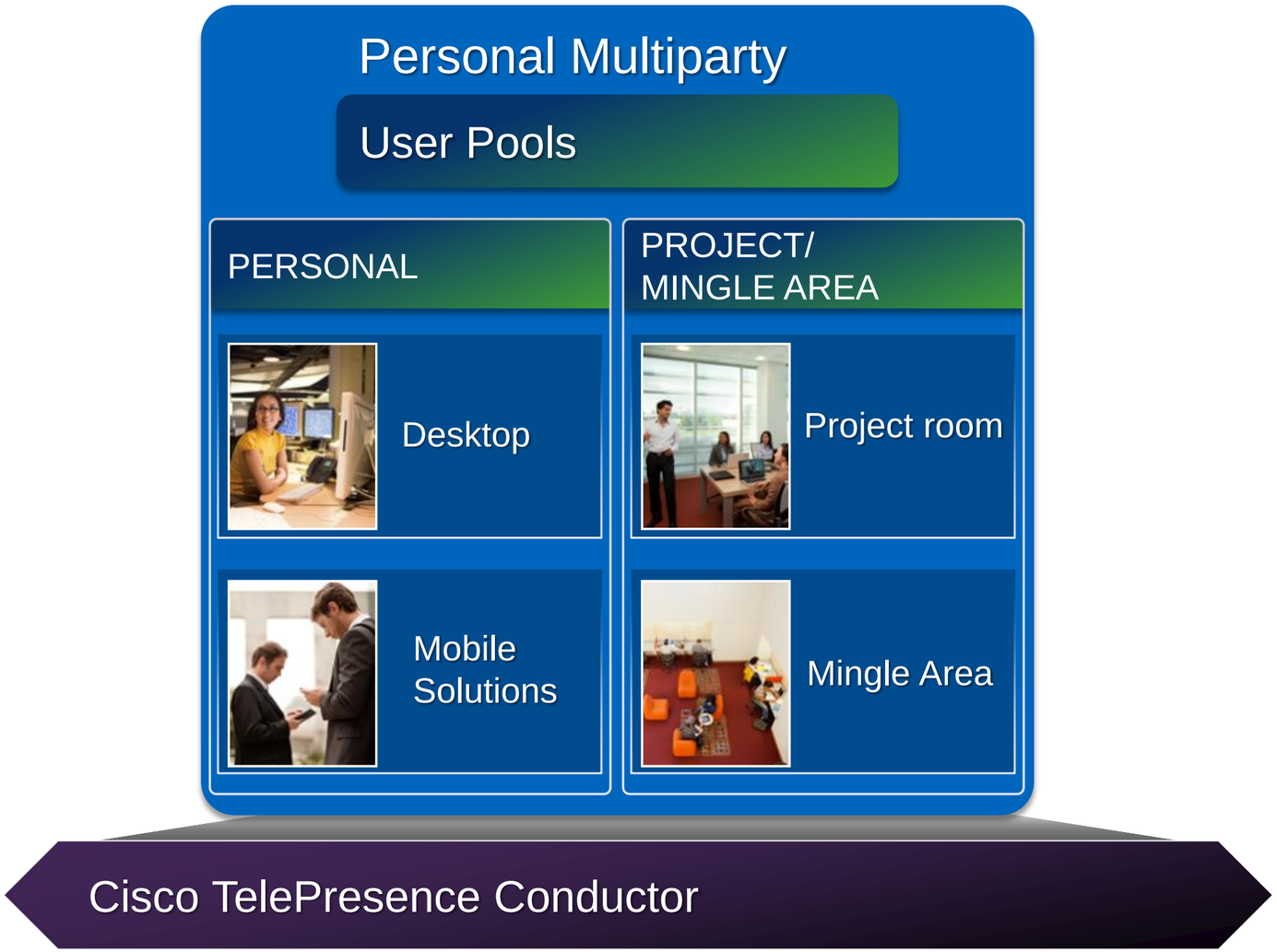
Personal Multiparty



Included with CUWL Professional

- Cisco TelePresence® Server licenses to support Personal Multiparty usage only.
- Cisco® TelePresence Conductor license to support Cisco TelePresence servers used for Personal Multiparty only.
- Service levels from 360p to HD 720p30 allowed.
- Software only – all hardware must be purchased separately.
- Named Host Model

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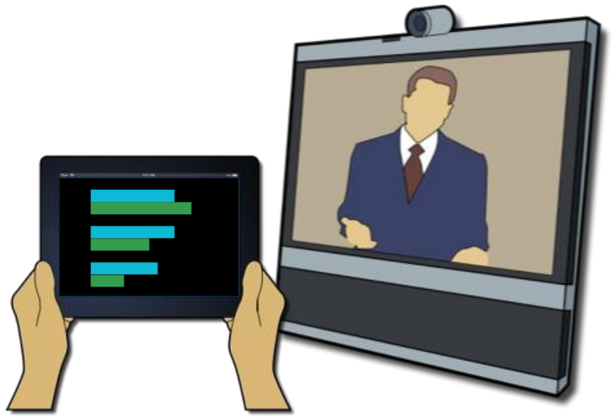
Intelligent Proximity on Room Systems



Simple pairing – control and content interaction at your fingertips

- Content Push and Pull
- Consume meeting content on personal device
- Video system control

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Intelligent Proximity for Mobile Contacts

No app. Works with most smartphones and tablets.
Supported on DX 650

- Bluetooth pairing
- Transfer audio from mobile device to speakerphone or handset on DX
- Answer and control calls to mobile from DX user interface
- Call from mobile contacts, favorites and recents with DX over IP network.
- Temporary sync mobile contacts when in proximity or permanently store mobile contacts on DX

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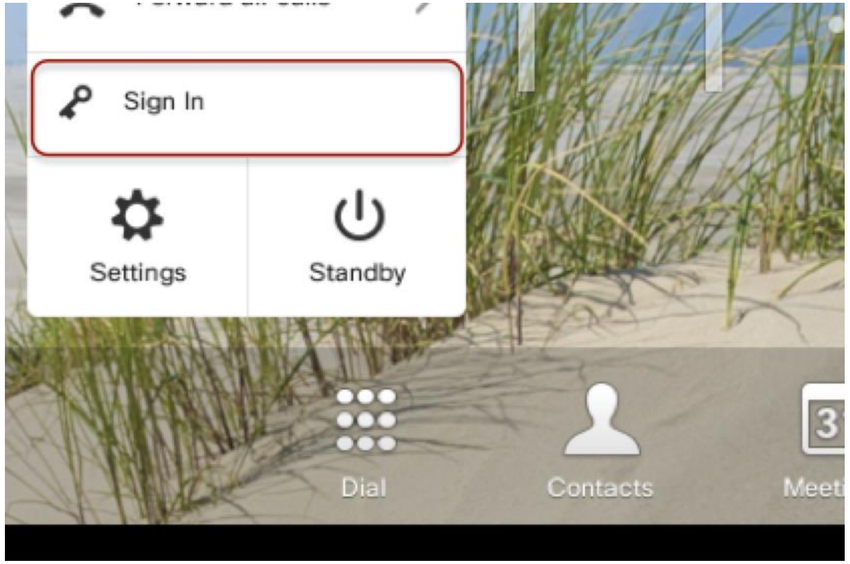
Extension Mobility on TC Endpoints

- Extension Mobility supported on TC-series endpoints (EX, SX, MX, C-Series)
- Great for shared workspaces in an ABW Environment
- Sign in using your UC Manager user ID and Extension Mobility PIN



Clusterwide Parameters (Parameters that apply to all servers)

Enforce Intra-cluster Maximum Login Time *	True	False
Intra-cluster Maximum Login Time *	12:00	8:00
Inter-cluster Maximum Login Time *	10:00	10:00
Intra-cluster Multiple Login Behavior *	Auto Logout	Multiple Logins Not Allowed
Alphanumeric User ID *	True	True
Remember the Last User Logged In *	True	False
Clear Call Logs on Intra-Cluster EM *	False	False

There are hidden parameters in this group. Click on Advanced button to see hidden parameters.

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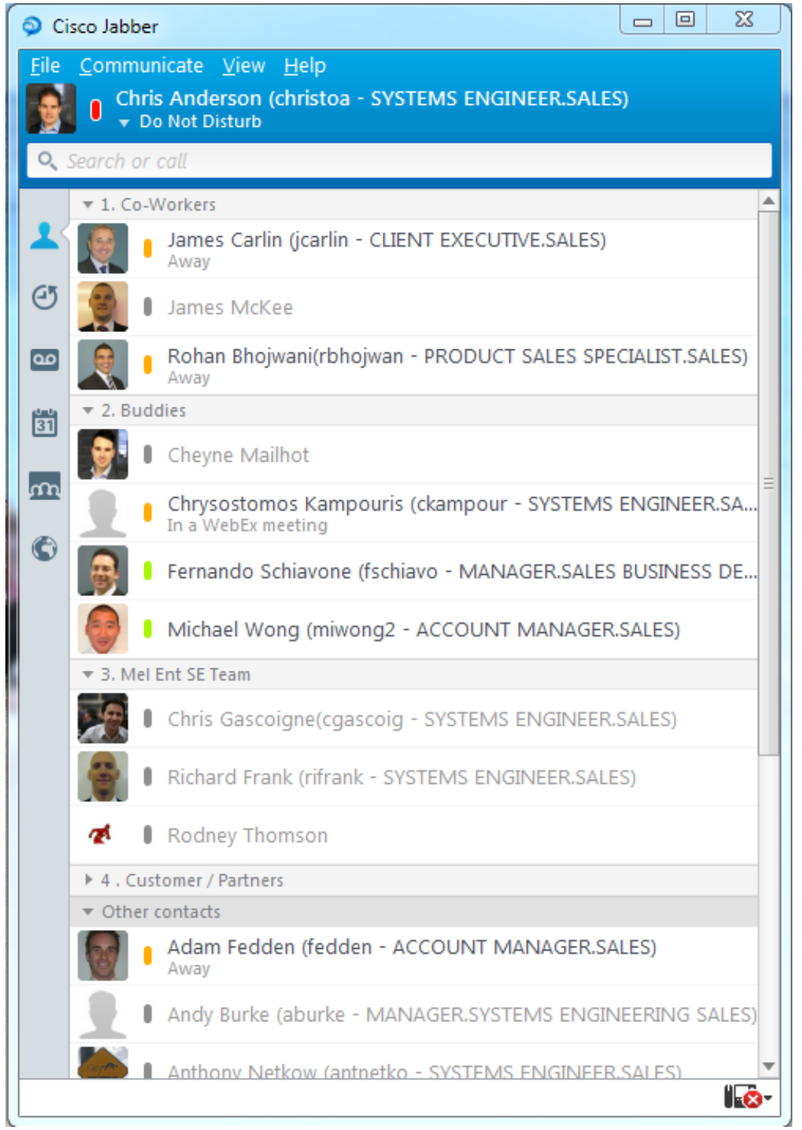
Jabber on the Desktop / Mobile

- On the move softphone, or pair with Flexible workspace shared handsets
- Integrate instant virtual meeting capabilities



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Jabber on the Desktop / Mobile

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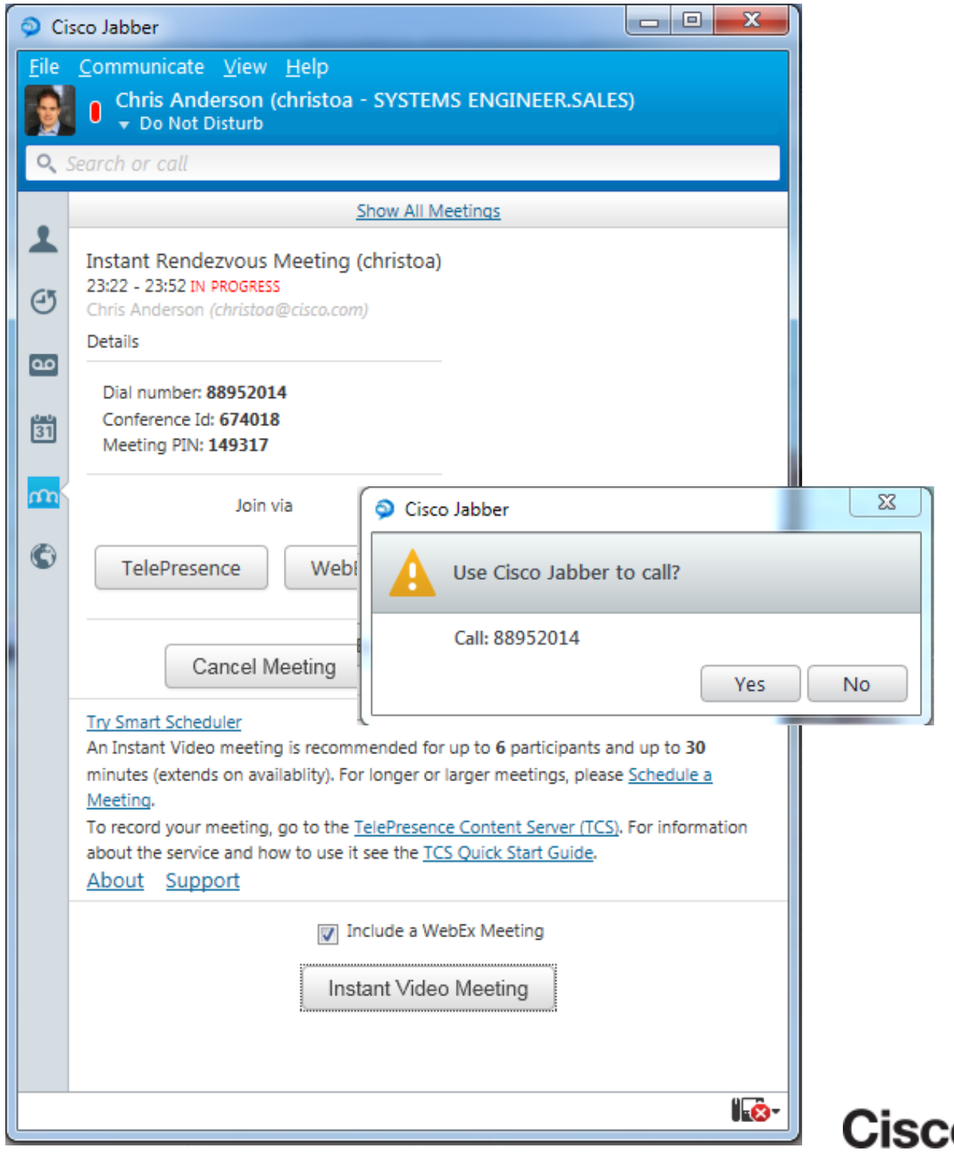

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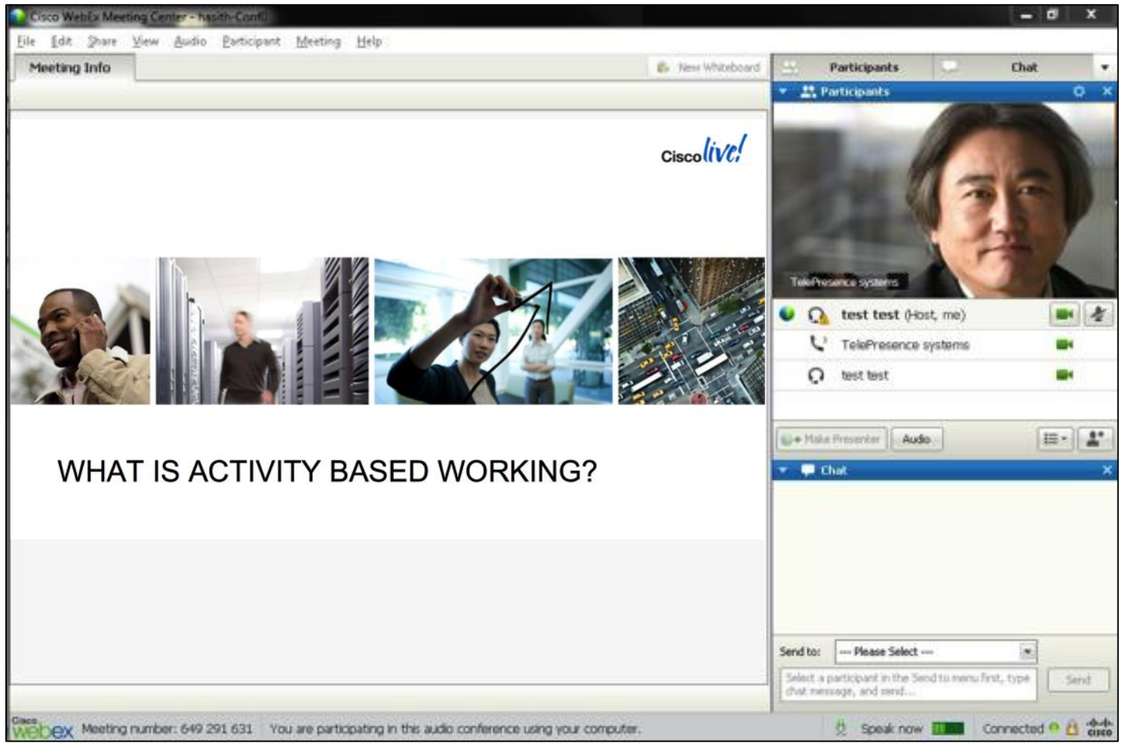
WebEx Integration

- Escalation of chats and calls to WebEx meetings from Jabber allows quick and easy collaboration for ABW users
- WebEx enabled TelePresence brings users together physically and virtually



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Designing Workspaces

Flexible Working Workspaces

- Many different types of spaces
- Often goes against common strategy to deliver templated solutions
- Need to ensure a predictable experience, **NOT** necessarily the same endpoint or device

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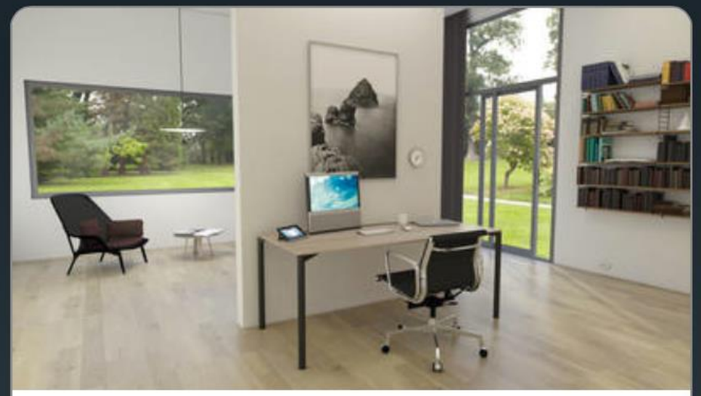
Cisco Project Workplace

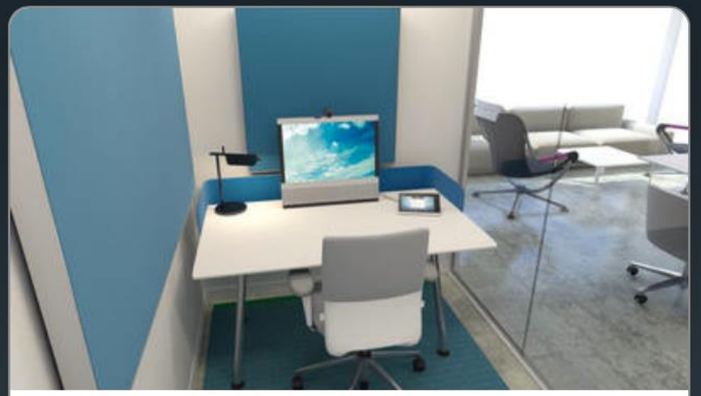
Project Workplace

www.cisco.com/go/projectworkplace

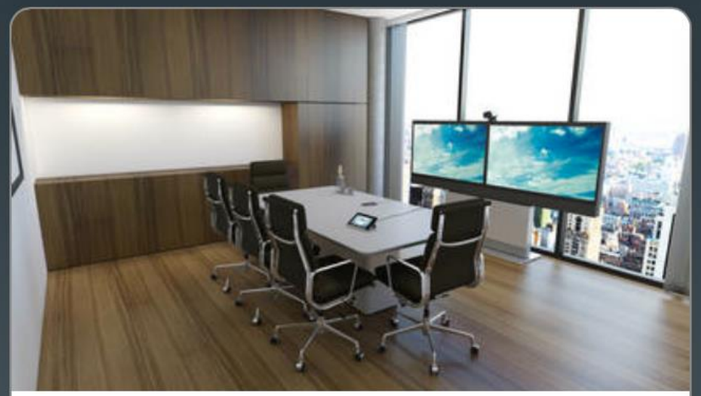
Work Station — Sao Paulo



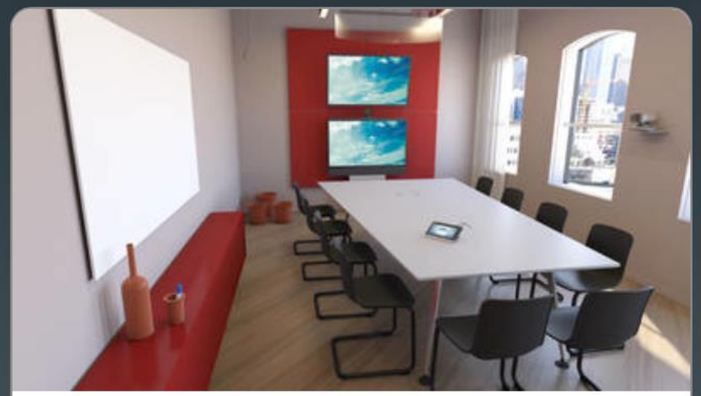
Telework — Munich



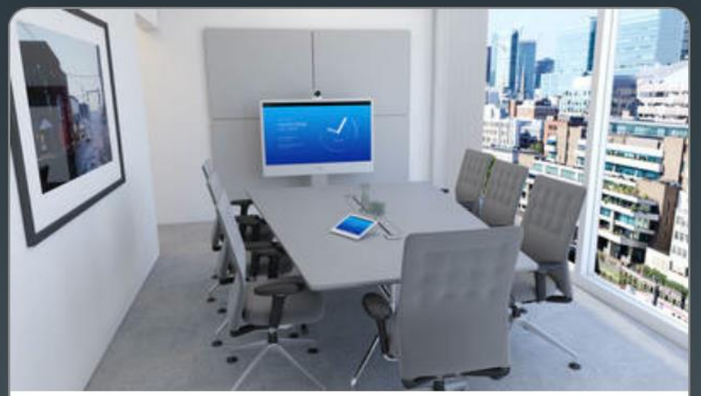
Quiet Room — Sydney



Video Centric — New York



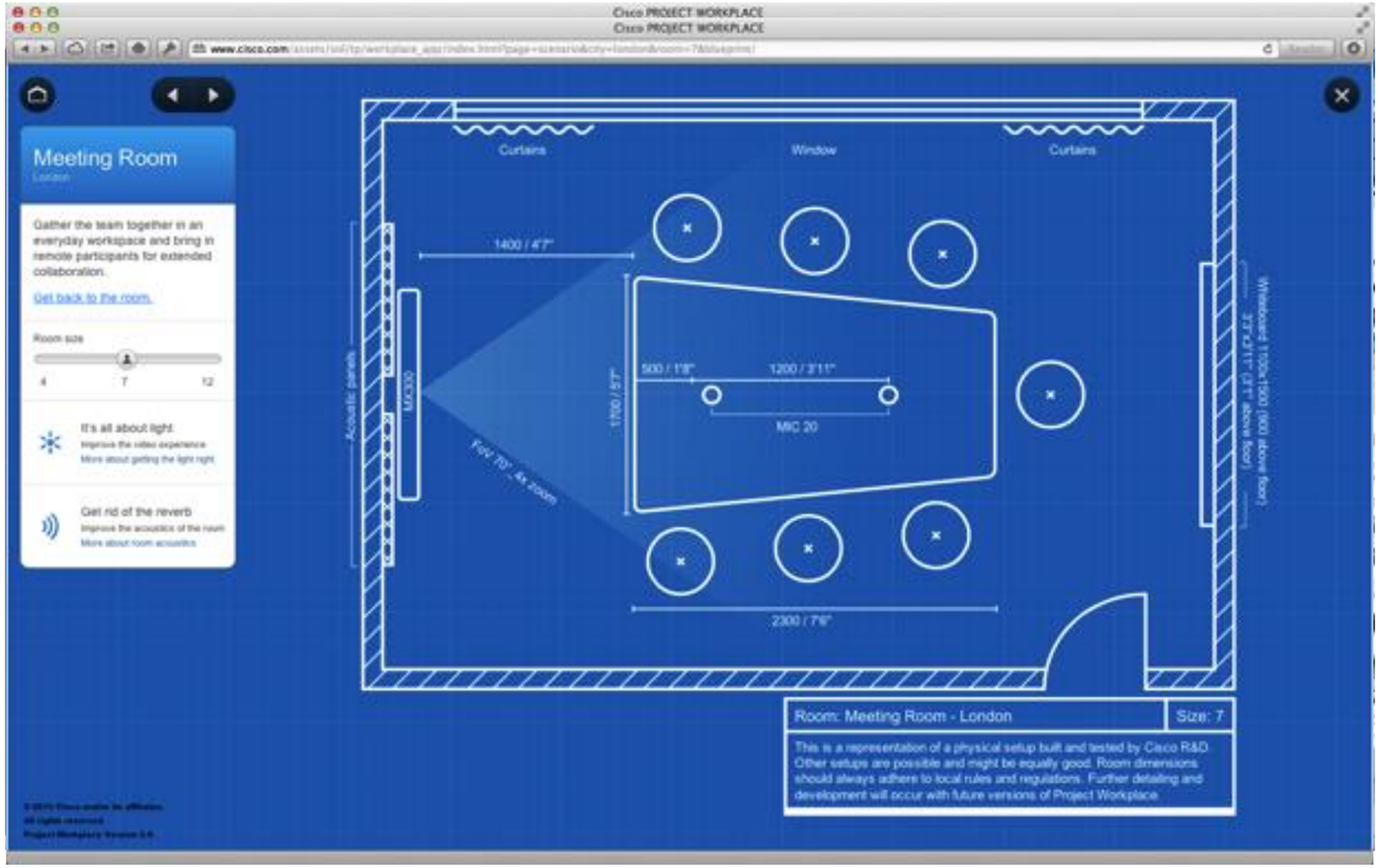
Narrow Space — San Francisco



Meeting Room — London

Cisco Project Workplace

- A “palate” of flexible workspace experiences
- Each solution embeds collaboration technology
- Blending physical and virtual collaboration in context
- Experience, best practices, and insights to deliver a seamless solution



Fit for purpose, technology enabled workspace design guidance

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Spaces for Activity Based Working

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Spaces for Activity Based Working

Meeting Room

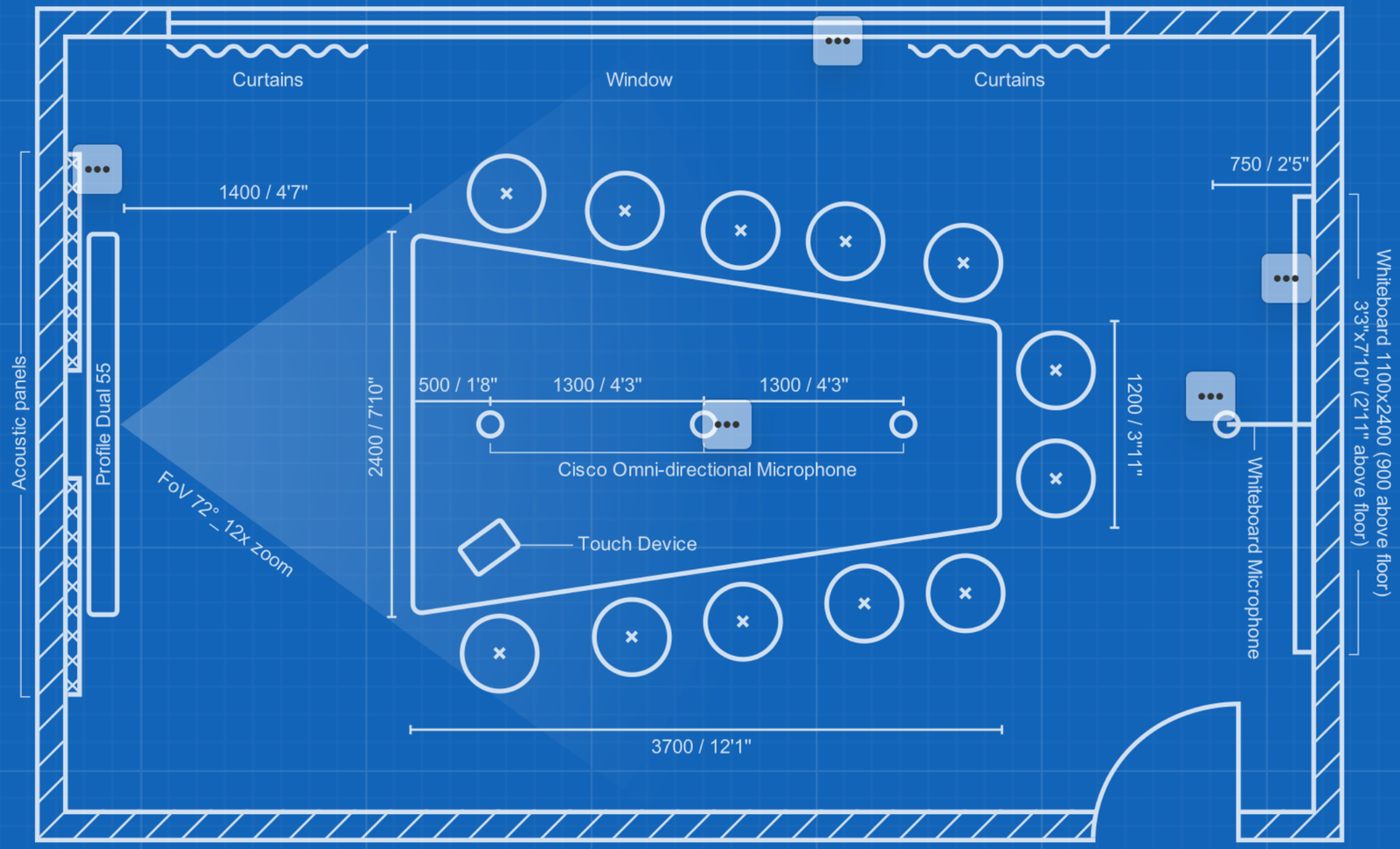
London

Gather the team together in an everyday workspace and bring in remote participants for extended collaboration.

Room size

4 7 12

Get back to the room.



This is a representation of a physical setup built and tested by Cisco R&D. Other setups are possible and might be equally good. Room dimensions should always adhere to local rules and regulations. Further detailing and development will occur with future versions of Project Workspace

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Q & A

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