

The Cisco Live! logo, featuring the word "CISCO" in a dark blue, sans-serif font, followed by "Live!" in a dark blue, cursive script font.

CISCO *Live!*

The text "Let's go" in a large, dark blue, sans-serif font, positioned to the left of a bright, multi-colored sunburst graphic that radiates from the right side of the image.

Let's go

#CiscoLiveAPJC



The bridge to possible

Enabling Intelligent Workspaces for Hybrid Working

Vanessa Sulikowski
Distinguished Solutions Engineer
@VanessaCollab
BRKCOL-2265

CISCO *Live!*

#CiscoLiveAPJC



“Reconciliation”- Dustin Koa Art



The bridge to possible

Enabling Intelligent Workspaces for Hybrid Working

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CISCO *Live!*

#CiscoLiveAPJC

Cisco Webex App

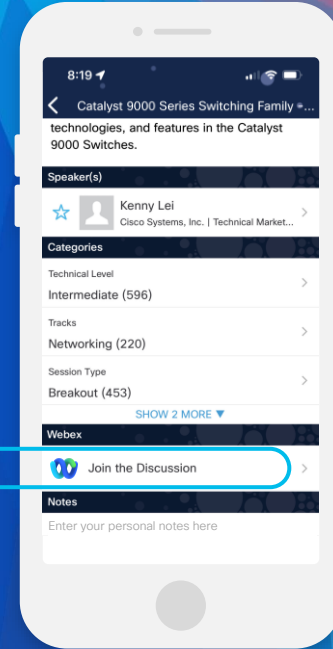
Questions?

Use Cisco Webex App to chat with the speaker after the session

How

- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until December 22, 2023.



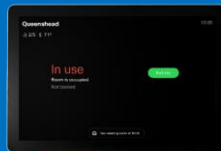
<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKCOL-2265>

Hybrid Workplace Technology and Use Cases

PoE
Applications



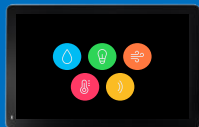
Space
Usage and
Management



Occupancy
Metrics
and
Analytics



Network
enabled
as a
Sensor



Intelligent
Seamless
Collaboration



Environmental
and Wellness
Metrics



Smart
Workspace
Visibility



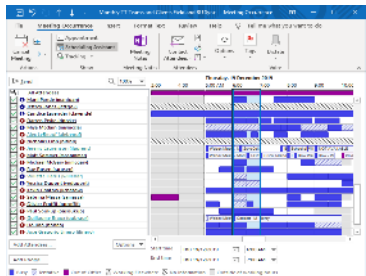
Workspace
Types and
Automation



Sustain-
ability and
Energy
management



Workspace Challenges 2019



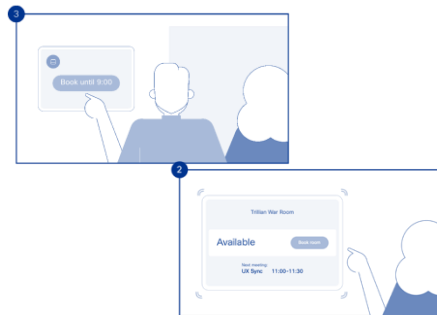
Book Room

Impossible to find time when a room and everyone free (no accurate room usage data)



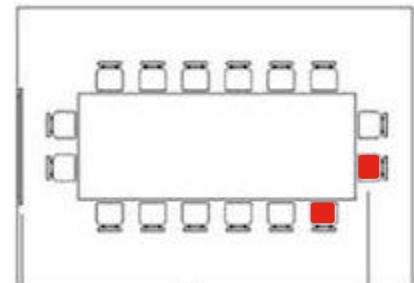
Find Room

Rooms mis-booked, **Ghost meetings** wander around and round floor looking for available space



Manual - Outside Only

Panels – forget to check-in get overbooked and people knocking to get in – go outside to extend



Room Size Misuse

Medium to Large rooms consistently used by only one or two people

Once finally in a space how do I easily connect????

Frictions and Challenges in today's hybrid workplace

Finding available space

Lack of intelligent technology

Over scheduling & no-shows

Adhoc Space Usage Methods

Customisation and Automation

Understanding Workspace Usage

Taking the friction out of the workplace

With a Smarter Hybrid Workplace Experience

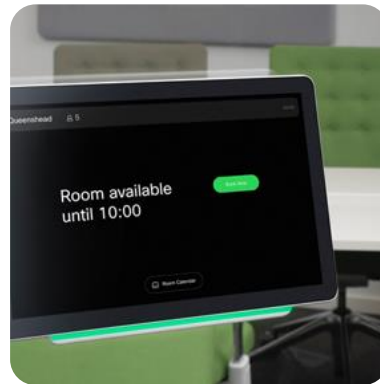
Arrive at the Workplace



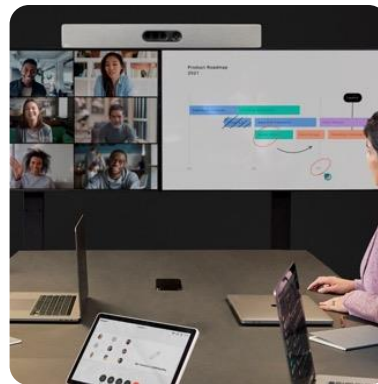
Find a space to work



Reserve meeting space



Seamless Hybrid Meetings



Workspace Visibility, Management and Analytics

Office Arrival and Building / Floor Entry



Intelligent Office Arrival Experiences

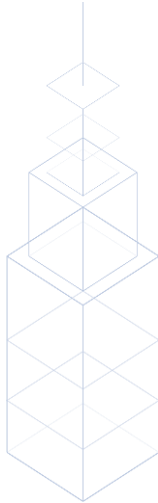
Meraki and Catalyst
Networking



Meraki
Cameras and
Sensors



Webex Devices
and Sensors



- Office occupancy
- Desk utilization
- Digital signage
- Wayfinding
- Monitoring
(people presence, people count)
- Monitoring
(air quality, temperature, humidity)
- Surveillance

SPACE
VISIBILITY /
WAYFINDING

SURVEILLANCE /
OCCUPANCY

CONNECTIVITY /
SENSING



KIOSK / DIGITAL SIGNAGE

Advanced People Counting with new MV93

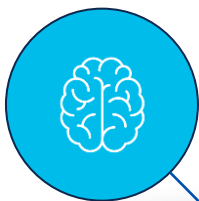
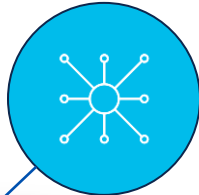
High-accuracy intelligence for workplace occupancy

Purpose built app

- => Dedicated head detection app
- => High frame rate inference

Edge AI/ML

- => Training data from 2500+ MV networks
- => Latest neural network framework



AI Virtual TripWire

Line Crossing



Analyse footfall patterns to understand entry/exit times

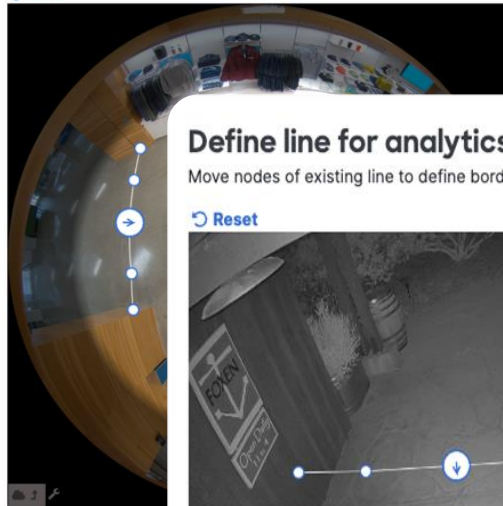


Monitor workplace usage hours and patterns

Define line for analytics

Move nodes of existing line to define border for analytics detection. Define one side of the line as Enter or Exit.

[Reset](#)



Title:

SM Main Entry

Define line for analytics

Move nodes of existing line to define border for analytics detection. Define one side of the line as Enter or Exit.

[Reset](#)



Title:

TR Front Entrance

Detection

Choose objects for analytics data.

☐ People

☐ Vehicles

[Video](#) [Analytics](#) [Network](#) [Location](#) [Event log](#) [Settings](#)

MV93 - Front Entry/Exit

MV93 abcdref:12:34:56

[SM Main Entry](#) [Office Doors](#) [SM Main Exit](#)

[Create Area](#)

[Create Line](#)

12 hrs 2022-12-01 → 2022-12-05

[Edit](#) [Delete](#)

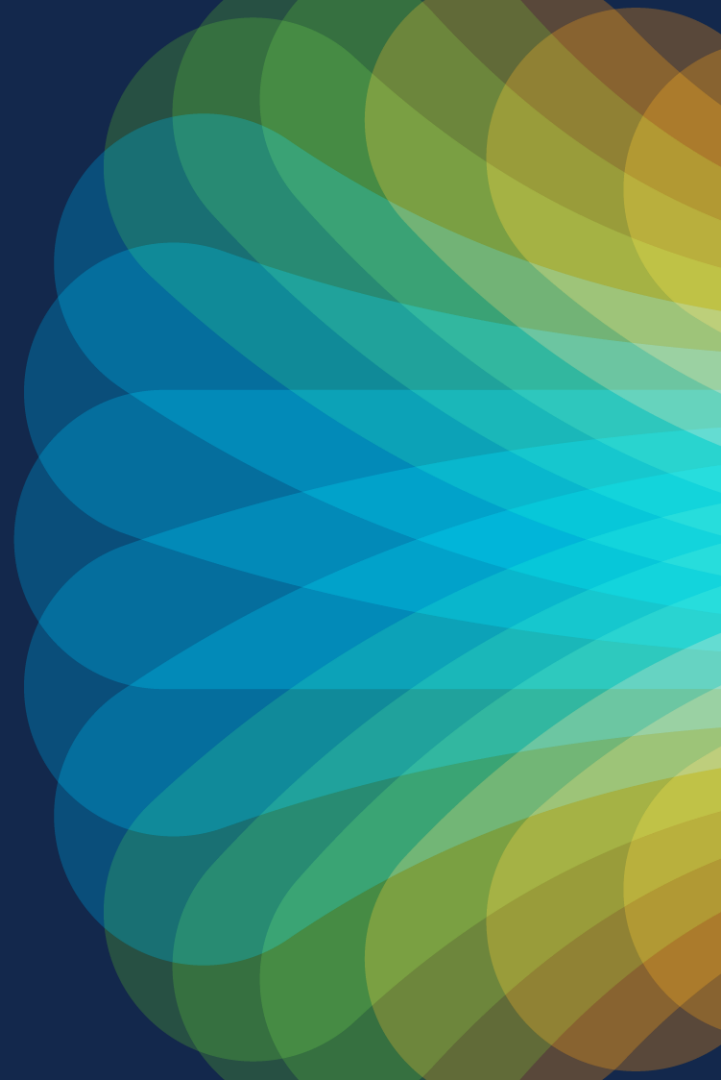
LINE CROSSINGS

As objects cross the line, these events are counted and tracked. Objects that cross the line in the direction of the arrow will be counted as In, and in the opposite direction will be counted as Out.



Smart Workspaces

CISCO SPACES



Enabling Smarter Workspaces

Workplace Experience Applications

Space Occupancy & Utilisation:

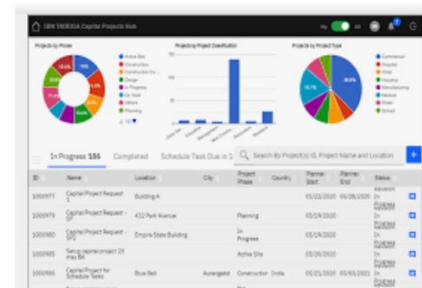
Real-time & historical metrics (building, floor, room, desk) for space optimization, facilities services and improving employee experience



Workplace Analytics

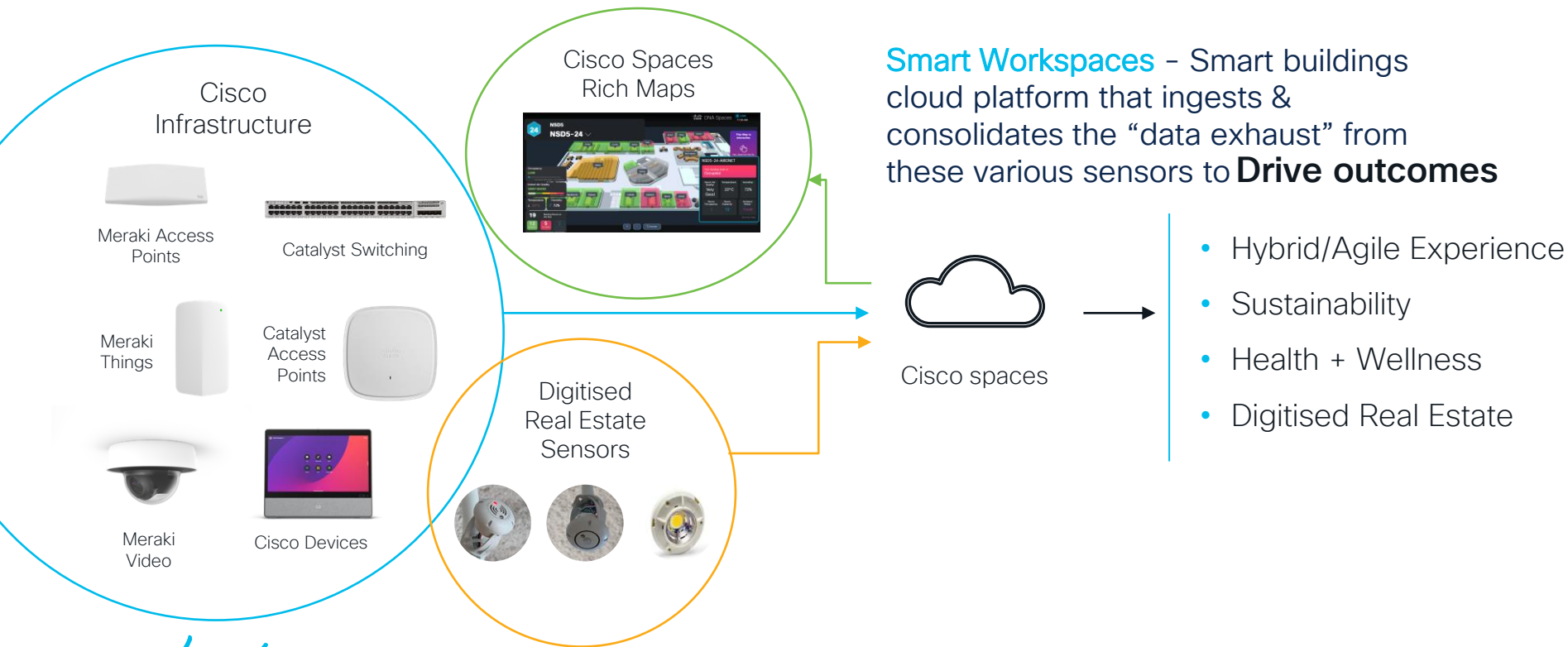
Environmental & Energy Monitoring:

Real-time & historical metrics (Indoor Air Quality, temp, humidity, noise, energy and more) for a safer and sustainable workspace

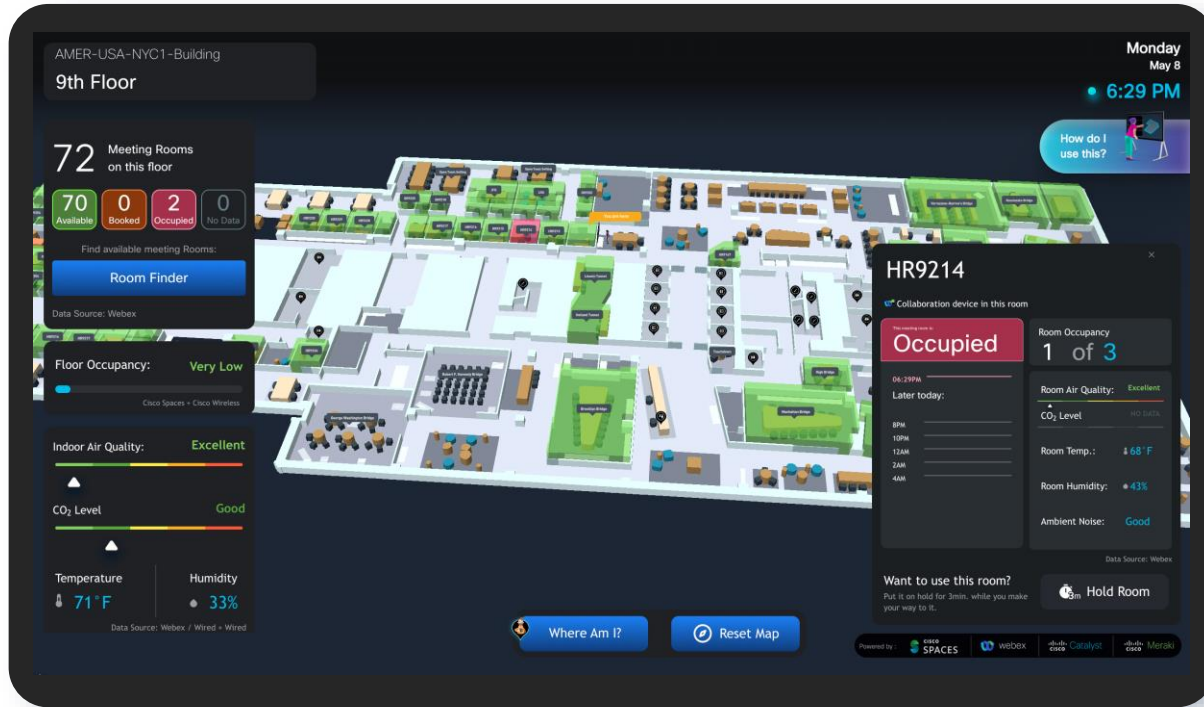


Cisco Spaces – Smart Workspaces

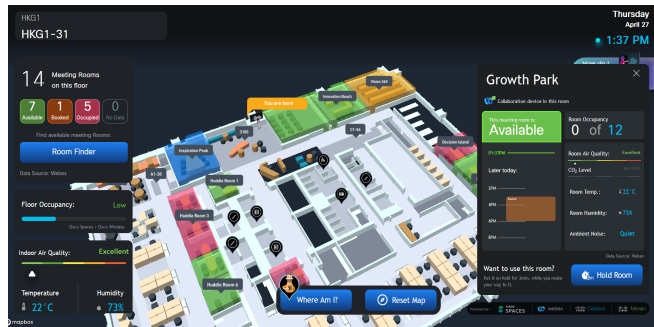
Bringing Network and Experiences Together



Smart Workspaces – Rich Map



Digitising the Physical Workplace



Cisco Smart Workspaces

Data Sources and Automation



Catalyst Switching

90W PoE, Buildings IoT Security



Cisco / Meraki Wi-Fi Access Points



3rd Party Sensors

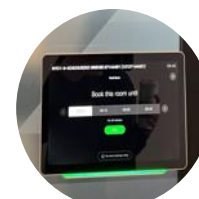
Air quality / CO2, temperature, humidity, VOC, occupancy Wireless and PoE



Meraki Cameras / Sensors



Collaboration Devices



Navigator



Shading

Mecho shading sensors for Lux level to help maximize daylight and manage visual comfort



Lighting

Low voltage lighting powered by PoE can be both more efficient and can easily be powered via solar.

Your Network as a Sensor

With

CISCO
SPACES

CISCO Catalyst

CISCO Meraki

webex



Cisco Catalyst Access Points

Sensor for ...

- Occupancy
- Air Quality, Temperature, Humidity
- As a BLE Gateway



Cisco Catalyst Switches

Sensor for ...

- Wired IoT Gateway
- Occupancy & Energy Analytics



Cisco Meraki Access Points

Sensor for ...

- Occupancy
- Meraki Things gateway



Meraki Things and Vision

Sensor for ...

- MT for Temperature, Humidity and Air quality
- MV for counting and MT gateway



Webex Room Devices

Sensor for ...

- Room Occupancy
- People Count
- Ambient Noise



Webex Navigator

Sensor for ...

- Temperature, Humidity
- Indoor Air Quality



Webex Board / Desk Pro

Sensor for ...

- People count, Ambient Noise,
- Temperature, Humidity, Indoor Air Quality



Wired & Wireless Third Party Sensors

Sensor for ...

- Occupancy, Co2, Temp, Humidity, air quality, noise levels, etc.

New Cisco data sources as a Sensor



Cisco Meraki Access Points (MRs and CW916x)

WiFi, BLE

- Occupancy
- MT Gateway
- iBeacon/ Eddystone 3rd party BLE Gateway
- Telemetry from 3rd part sensor (ETA – End of Q2 FY24)

Occupancy – Building, Floor
Telemetry – Building, Floor, Room
Asset Tracking – Building, Floor



Meraki MT 15
ETA End 2023

BLE (Powered By USB-C)

Temperature, Humidity, PM2.5, TVoC,
CO₂, Vape Detection

Building, Floor, Room



MV Camera (MV63 / 93)
EFT Stage

Wired

- Entry/ Exit Count
- Occupancy
- Meraki Things gateway

Building



Desk Phone 8875
ETA Early 2024

Wired

Desk Presence

Desk Level

XK CT100 Presence Detection
ETA – Q2 2024

BLE (Powered by USB-C)

Desk Presence

Desk Level



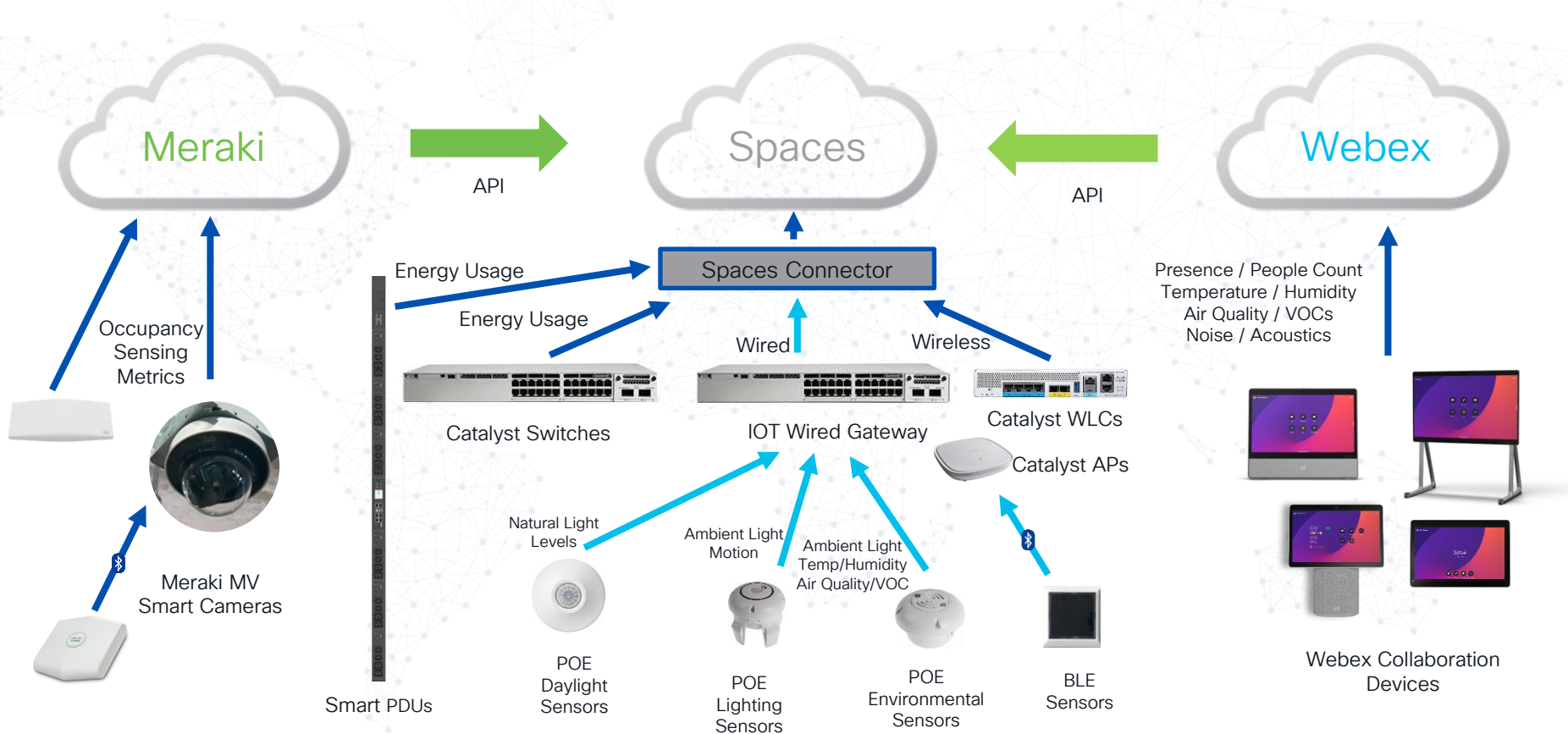
Centrak MM Tags
EFT Stage

BLE, RFID Dual Mode

Asset Tracking, Staff Duress, Temp, Humidity

Building, Floor and Room

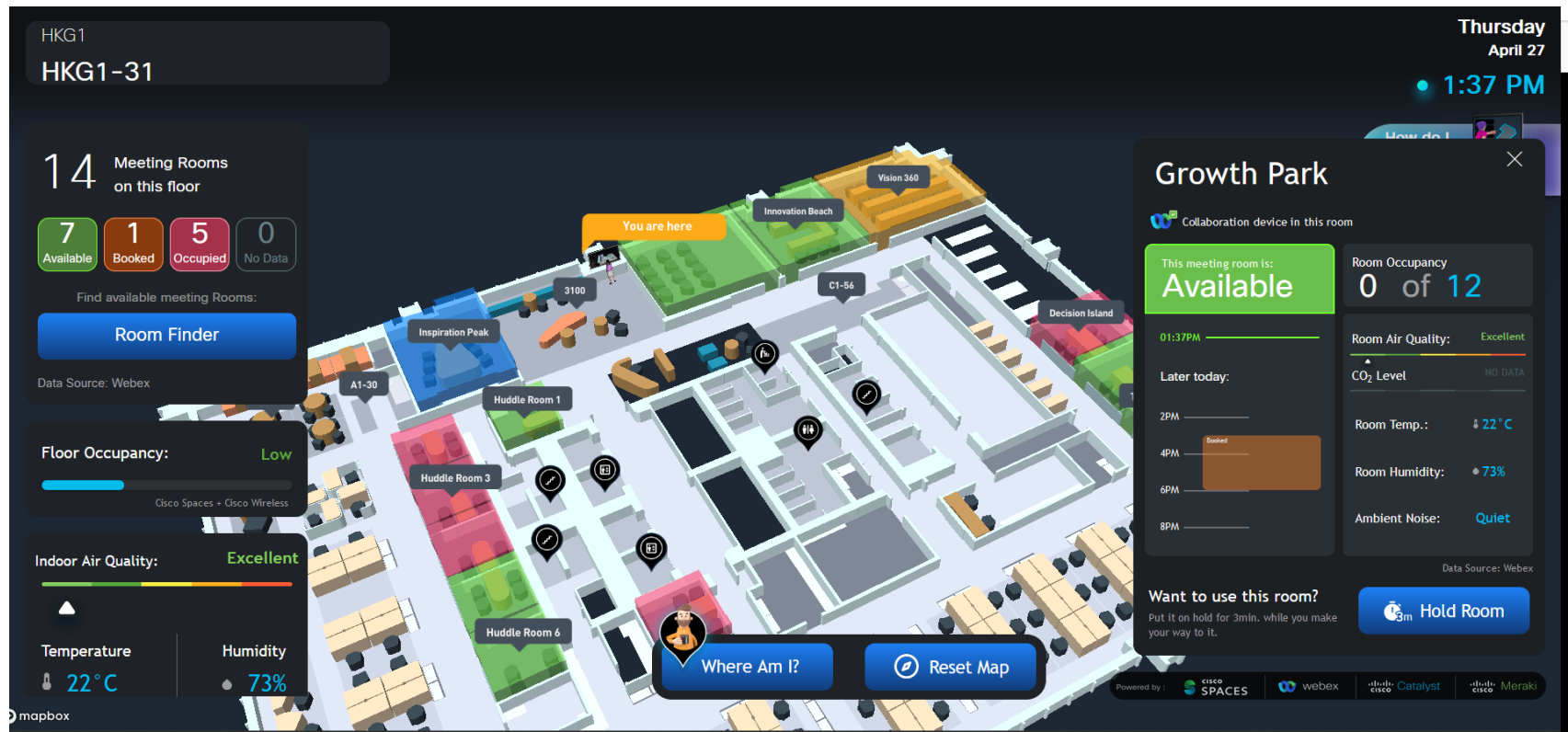
Cisco Spaces Architecture for Workplace Sensing

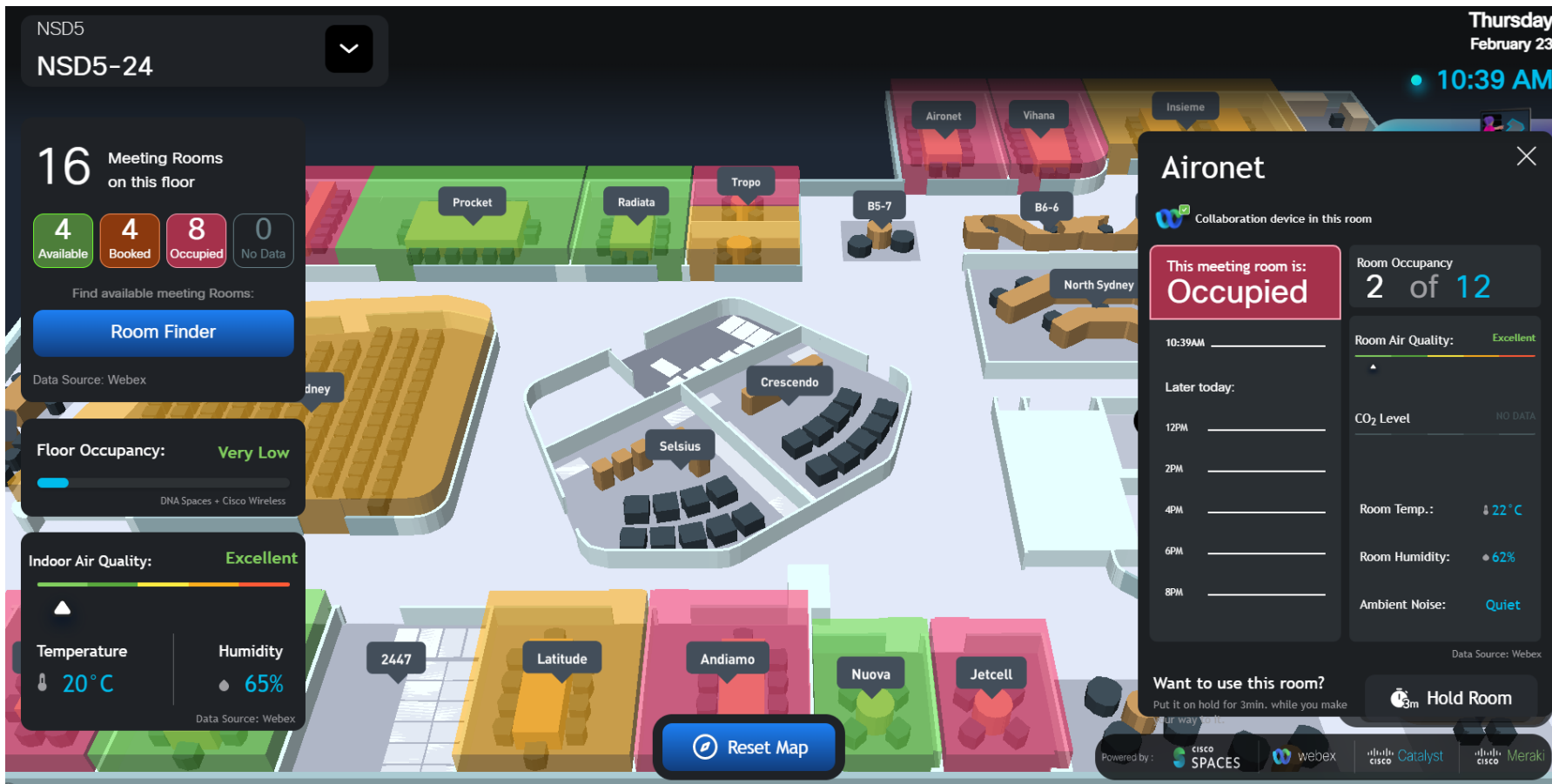


Smart Workspaces Rich Map – Building View



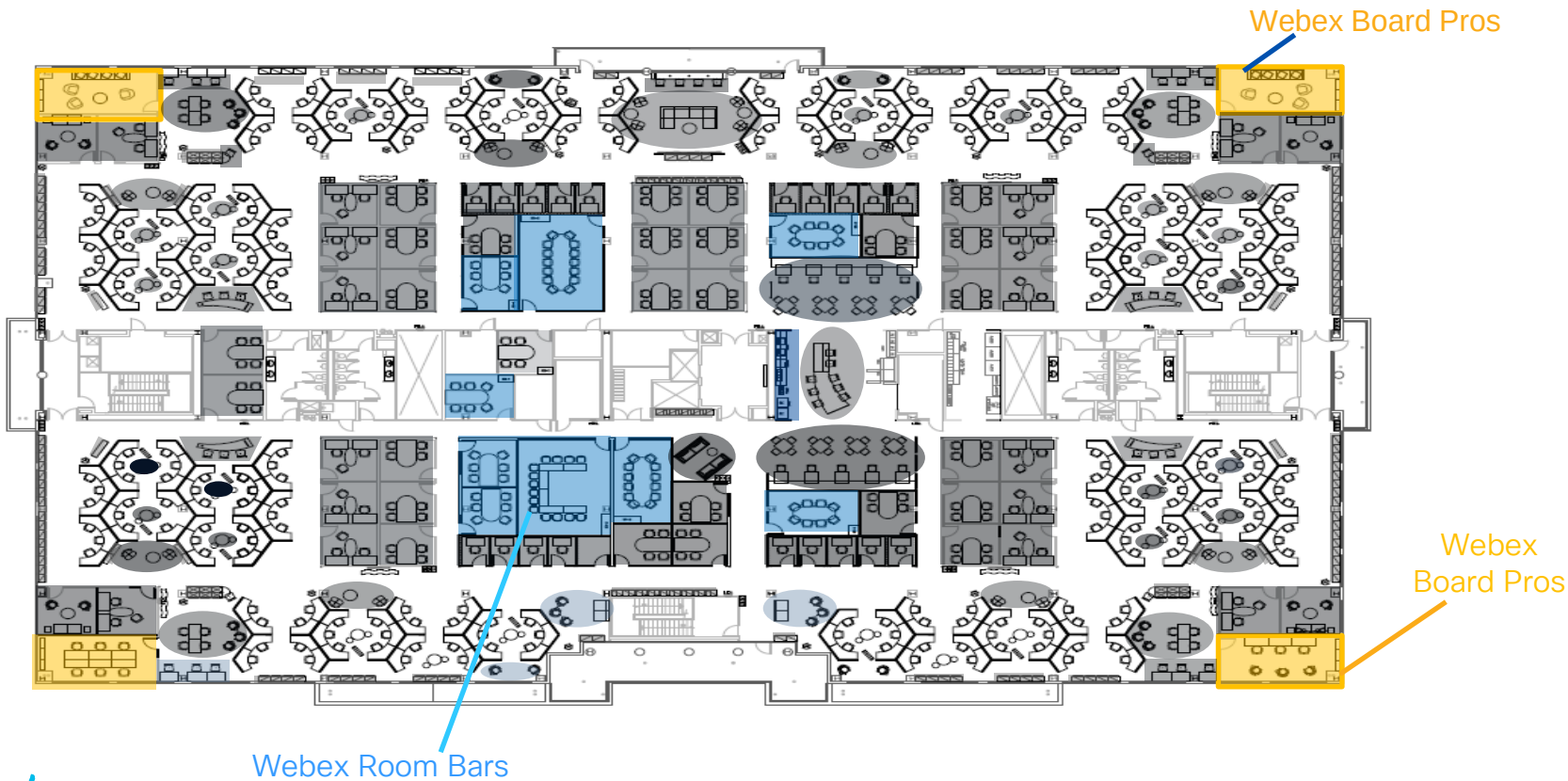
Cisco Spaces - Smart Workspaces Floor View





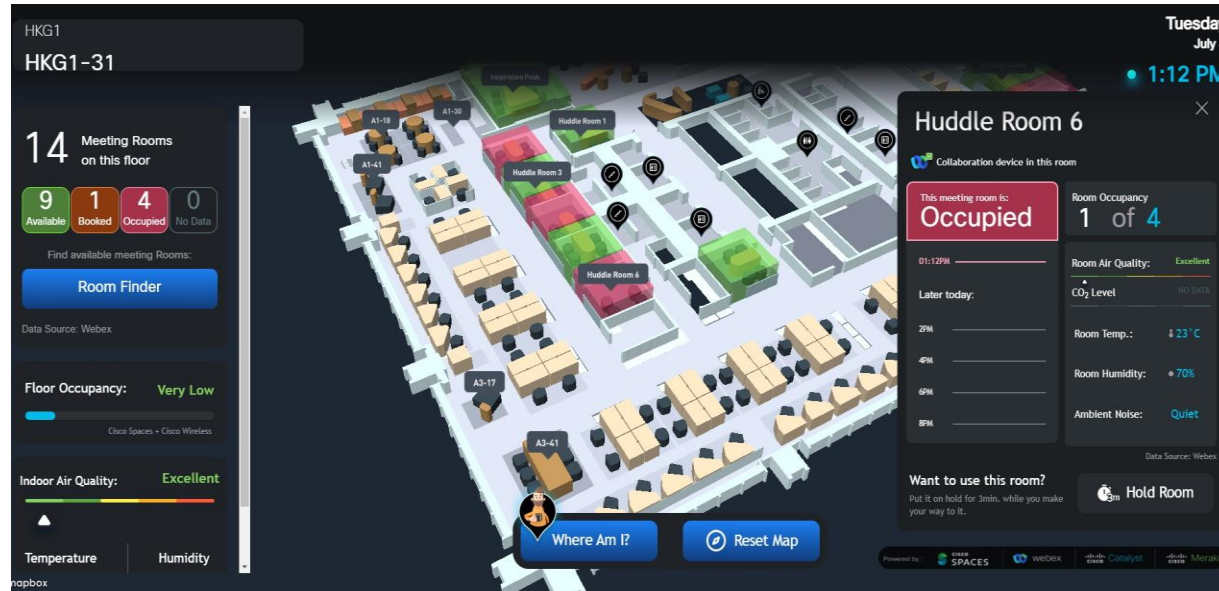
A Meeting Space with no technology is a blackhole

NO functionality, NO visibility, NO intelligence



Smart Workspaces : Employee Productivity

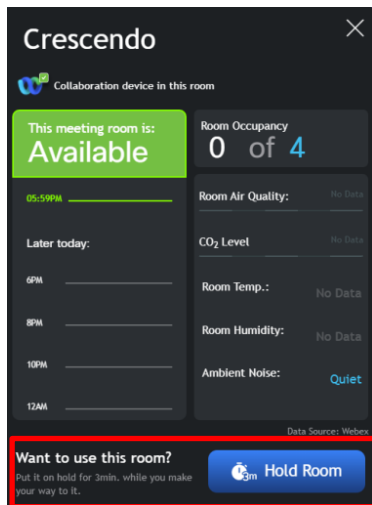
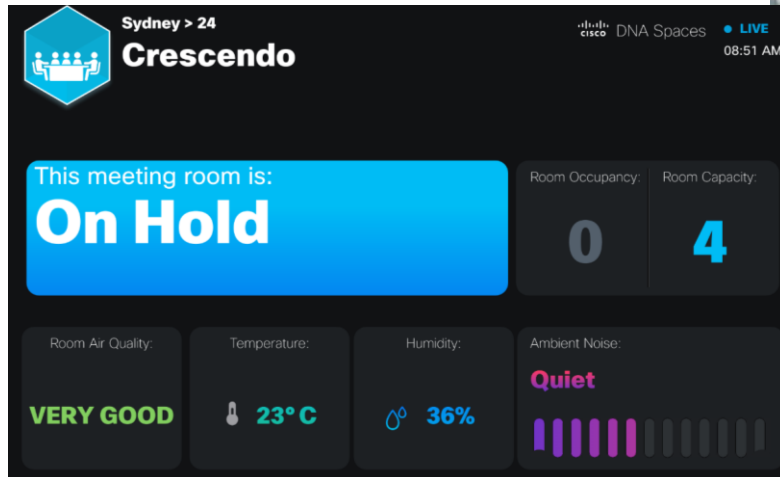
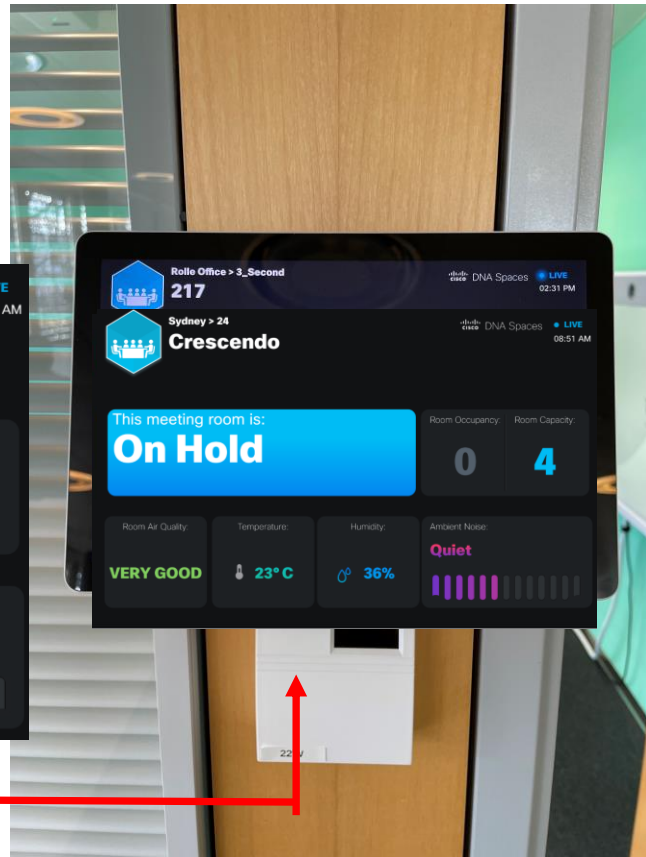
Finding Available Space



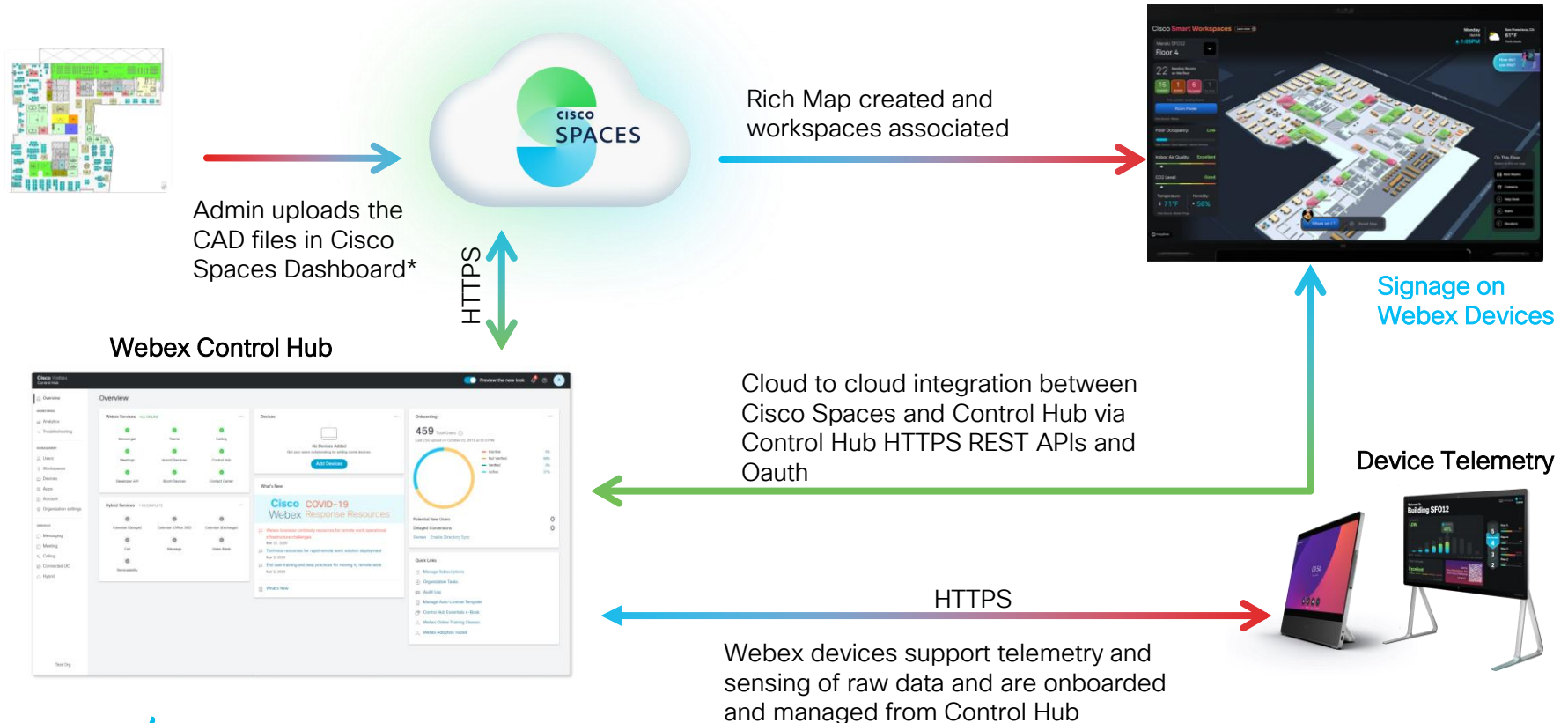
Persistent WebApp on Navigator panels

Show room environmental metrics and occupancy/booking

Blue “Hold” button on the Cisco Spaces will change Navigator LED color to blue



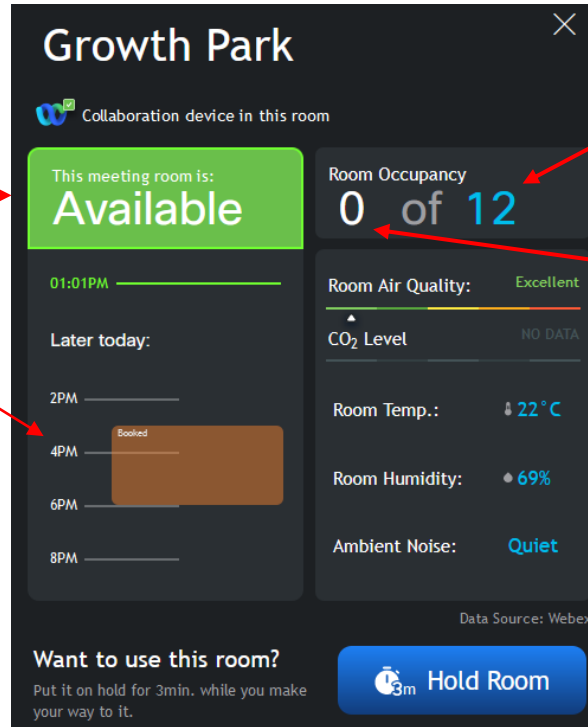
Cisco Spaces and Control Hub Integration



Webex Device Telemetry mapped to Rich Map

People Presence
Detection

Hybrid Calendar
Booking Status



Workspace Capacity

Current People Count
(in and off of call)

Environmental Metrics
(from Navigator / Board Pro
or Desk Devices)

Ambient Noise

**Need to be enabled on Devices or in
Global Workspace Settings*

Ambient Noise Estimation
People Count Out Of Call
People Presence Detector

Smart Workspaces Configuration Key Steps

Pre Task send CAD files to Cisco Spaces team for AI processing to create rich maps

1. Prepare Control Hub for Spaces Integration

- Enable Workspace telemetry globally or template to enable per workspace
- Create Locations (and any relevant Floors)
- Assign workspaces to correct location, have capacity set, booking enabled
- Ensure devices and navigators in workspaces for the location

2. Create and Activate Workspace integration between Control Hub and Cisco Spaces

- Collect Activation token and paste into Cisco Spaces to setup Control Hub sync
- In Cisco Spaces under Location and Maps review imported locations
- In Cisco Spaces Upload/edit processed rich map to Location and Floors

3. Use [Space Manager dashboard app](#) to map your webex devices to meeting spaces on map

4. Use [Space Experience dashboard app](#) to create digital signage for devices / URL

5. Activate Navigator Persistent Web App in Control Hub

Enabling Control Hub Workspace Metrics

- Ambient Noise Estimation
- People Count Out Of Call
- People Presence Detector

The screenshot shows the Cisco Webex Control Hub interface. The left sidebar contains a navigation menu with sections for MANAGEMENT (Users, Groups, Locations, Workspaces, Devices, Apps, Account, Organization Settings) and SERVICES (Updates & Migrations, Messaging, Meeting, Calling, Vidcast, Connected UC, Hybrid, Device Bootcamp Prototype). The 'Workspaces' item is selected. The main content area is titled 'Workspaces' and has tabs for Workspaces, Insights, Integrations, and Settings. The 'Settings' tab is active. Under 'Workspace Metrics', there is a description and a toggle switch for 'Allow Control Hub to capture workspace metrics from device sensors', which is turned on. Below this, there are two checked checkboxes: 'Allow capturing workspace Utilization data' and 'Allow capturing workspace Environmental data'. Under 'Supported devices', there is a link to 'See device list'. A section titled 'Enable sensor data configurations on all supported devices' has a toggle switch turned on, followed by a link to 'More on Room Analytics xAPI'. Below this are three checked checkboxes: 'Enable Ambient Noise Estimation', 'Enable People Presence Detector', and 'Enable People Count Out of Call'. A 'Data privacy protection' section contains a paragraph about data processing and storage.

webex Control Hub Search

Workspaces

Workspaces Insights Integrations Settings

Workspace Metrics

Provides workspace utilization and environmental metrics data from device sensors.

Turn on ☒ Allow Control Hub to capture workspace metrics from device sensors

Turning on the device sensor metrics helps gain valuable workspace utilization and environmental insights that allow for data-driven decision making for better end-user experiences.

☒ Allow capturing workspace Utilization data ⓘ

☒ Allow capturing workspace Environmental data ⓘ

Supported devices

[See device list](#)

☒ Enable sensor data configurations on all supported devices

This turns on the following Room Analytics configurations for all supported devices.

[More on Room Analytics xAPI](#)

☒ Enable Ambient Noise Estimation ⓘ

☒ Enable People Presence Detector ⓘ

☒ Enable People Count Out of Call ⓘ

Data privacy protection

This data may be processed by Cisco for historical analytical reports, which will be accessible by organization and partner administrators. This data is stored in compliance with the [Cisco Webex Platform data locality standards](#), and depends on the location of your organization. The stored data is anonymous.

**Important for Control Hub Workspaces Analytics as well

Control Hub – Cisco Spaces Settings Template

Create a template for
telemetry and web
engine settings

Devices -> Create
template

webex Control Hub

Search

Overview
Alerts center

MONITORING
Analytics
Troubleshooting
Reports

MANAGEMENT
Users
Groups
Locations
Workspaces
Devices
Apps
Accounts

Devices

Templates (highlighted)
XOD Devices
Settings
Software
Resources

More on templates

Create a configuration template
Standardize configuration for multiple devices and save time with templates

Create template (highlighted)
More information

Create configuration template

General | Configure | **Review** | Summary

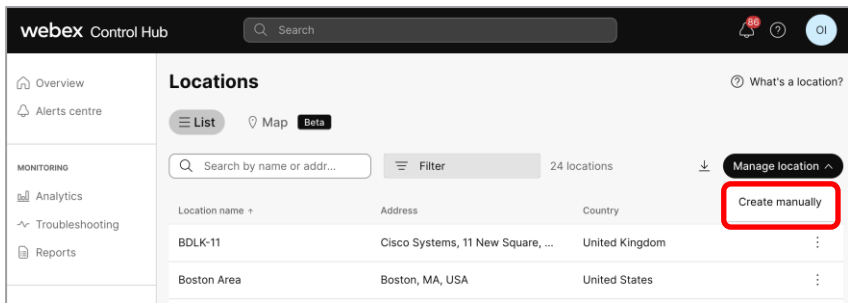
Review template
Review the template information and selected configurations.

Template information

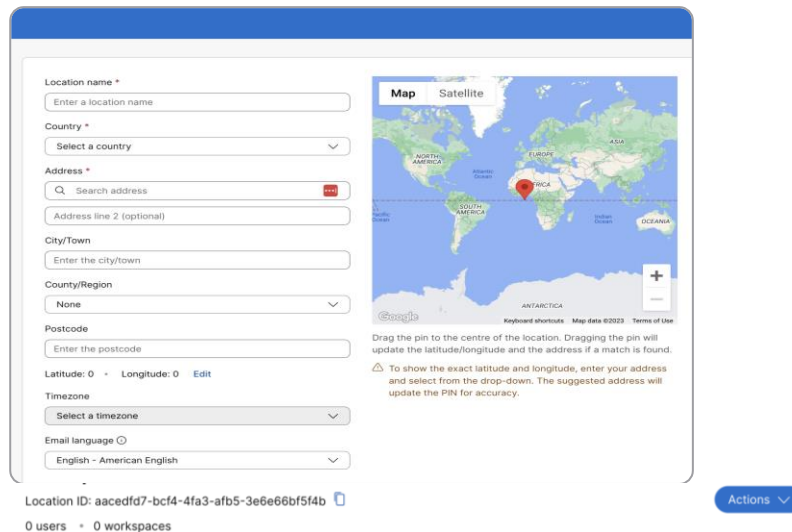
Configuration	Value	Products	Actions
Room Analytics Ambient Noise Estimation Mode	On	Cisco Desk Pro	Edit Delete
Room Analytics People Count Out Of Call	On	Cisco Desk Pro	Edit Delete
Room Analytics People Presence Detector	On	Cisco Desk Pro	Edit Delete
Web Engine Features WebGL	On	Cisco Desk Pro	Edit Delete
Web Engine Mode	On	Cisco Desk Pro	Edit Delete

Control Hub Locations and Floors (match to Spaces if exist)

1

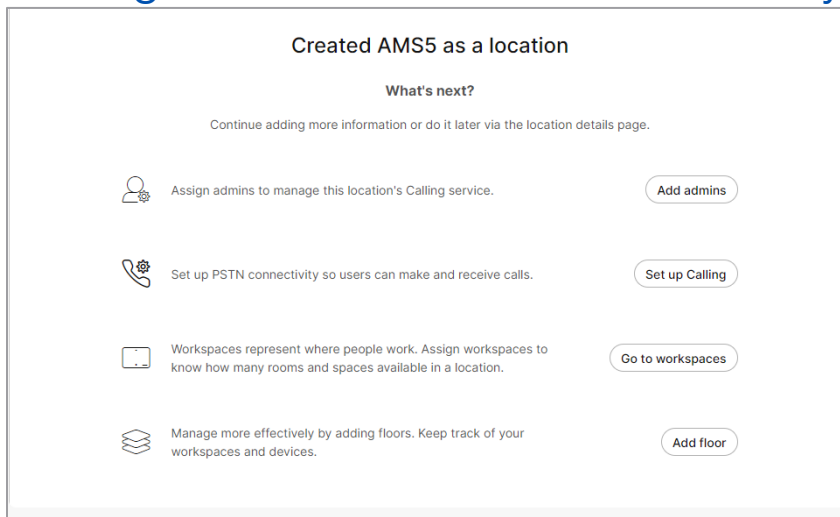


2

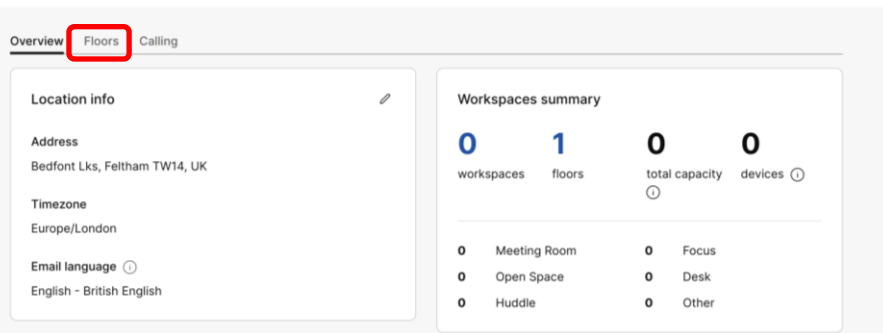


Manage Locations → Create Manually

3



4



Control Hub - Assign Workspace to Location, Floor

The screenshot displays the Cisco Webex Control Hub interface for the workspace 'NSD L22 Project Room Board Pro 75'. The left sidebar shows the 'Workspaces' section. The main content area includes sections for 'Devices', 'Calling', 'Meetings', 'Real-Time Environmental Metrics', and 'Location'. The 'Location' section at the bottom has an 'Assign location' button highlighted with a red box. A modal dialog box titled 'Assign location' is open, showing a form to select a location and floor. The 'Location' dropdown is set to 'AMS5' and the 'Floor' dropdown is set to 'AMS5-1'. The dialog has 'Close' and 'Save' buttons.

webex Control Hub

Search

Customer Journey D...

MANAGEMENT

- Users
- Groups
- Locations
- Workspaces**
- Devices
- Apps
- Account
- Organization Settings

SERVICES

- Updates & Migrations
- Messaging
- Meeting
- Calling
- Vidcast
- Contact Center
- Connected UC
- Collaboration Australia

NSD L22 Project Room Board Pro 75

Overview | Scheduling | Meetings | Actions

Devices

Cisco Board Pro 75

Issues

Software upgrade channel: Stable (Default)

Lock settings on touch devices: Off

Pair device | Edit API access | Add device

Calling

Call on Webex (1:1 call, non-PSTN)

Cisco Webex SIP Address: nsd_l22_project_room_board_pro_75@collabau.rooms.webex.com

Meetings New

Device hosted meetings

Start meetings directly from the device without using the Webex app.

Enable device hosted meetings

Real-Time Environmental Metrics

Sound Level: 60 dBA | Temperature: 23/73 °C/°F | Ambient Noise: 43 dBA | Relative Humidity: 57% | Air Quality (TVOC): Not available

View details

Location

Assign location

Choose a location for this workspace.

Assign location

Assign location

Select the location and floor you wish to assign.

Location: AMS5

Floor: AMS5-1

Close | Save

Control Hub Spaces Integration Activation

- Enables telemetry from selected Workspaces to be sent directly from Control Hub to your Cisco Spaces
- The generated token is valid for **24 hours** and will be pasted on the **Cisco spaces** portal.

 Overview

 Alerts centre

MONITORING

 Analytics

 Troubleshooting

 Reports

 Customer Journey Data

MANAGEMENT

 Users

 Groups

 Locations

 Workspaces

 Devices

 Apps

 Account

Workspaces

 Workspaces

 Insights

New

 Locations

Beta

 Integrations

Integrations

Extend your organisation's capabilities by allowing third-party services to access Webex APIs.

Available



Cisco Spaces

Navigator-persistent w...

Provide employees, facility teams and real estate teams with real-time insights into the workspace on a context-rich, 3D map. See real-time occupancy and environmental data for Webex-equipped rooms. Locate meeting rooms and desks, check occupancy and reserve spaces. Understand space utilisation to optimise space.

Details →

Activate Integration: Cisco Spaces

Review permissions

Activation

Almost there!

Follow the steps below to complete activation of Cisco Spaces

Step 1

Copy the activation code

Expires Friday, 4 August 2023 10:09

eyJhWQ0UQNGNYYnRkUmd0YnFIMjJkdFQ0eFpVUFEI

Copy to Clipboard

Step 2

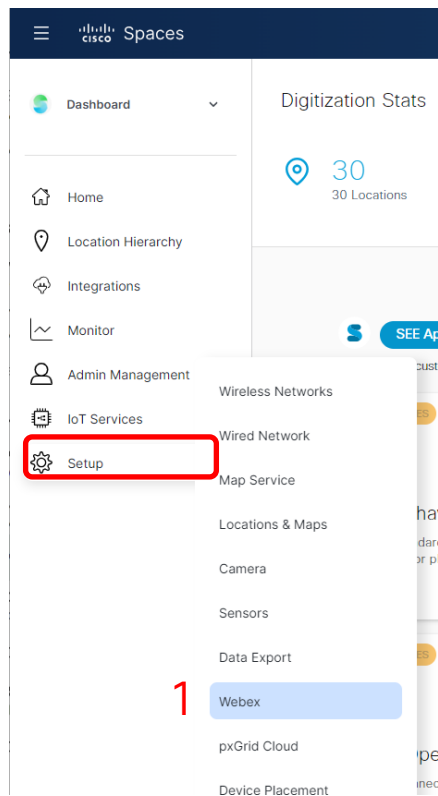
Paste the activation code on the integrator's site

Complete the remaining steps on the integrator's site to activate Cisco Spaces.

Note that it can take up to an hour for all devices to start sending change notifications to a new integration.

[Activation guide](#)

Cisco Spaces - Setup Webex Integration



Connect your Webex

Webex Setup for analytics via Webex login

You can now connect your Webex Account to Cisco Spaces Webex app. Completing this step will import the Webex data.

1 Connect your Webex

Connect Webex Login with Cisco Spaces using your Webex Login.

WEBEX_SETUP SYNC

Inactive

YOUR ACCOUNT

Your account is not connected

Connecting your Webex account will allow you to import the Webex networks into Location Hierarchy

Connect

2

Webex Token

Enter or copy-paste your Webex Token

ENTER-TOKEN-HERE

Cancel

Connect



Connect your Webex

Webex Setup for analytics via Webex login

You can now connect your Webex Account to Cisco Spaces Webex app. Completing this step will import the Webex data.

1 Connect your Webex

Connect Webex Login with Cisco Spaces using your Webex Login.

WEBEX_SETUP SYNC

Active

YOUR ACCOUNT

Your account is connected

Connecting your Webex account will allow you to import the Webex networks into Location Hierarchy

Disconnect

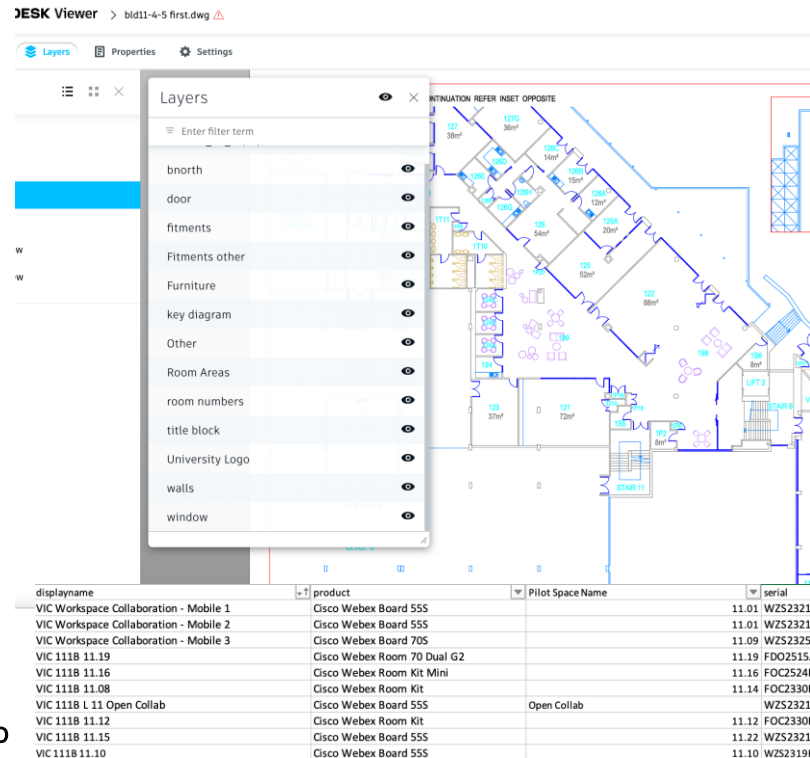
4

The synchronisation process is scheduled in the backend every three hours after the token is configured in the Spaces Dashboard.

What makes a good CAD File for Smart Workspaces?

There are 3 main elements for a great CAD file (.dwg):

1. Architectural layers (e.g. walls, doors, stairs, windows, etc.)
 2. Furniture layer
 3. Space names / IDs / labels
- Spaces (Space Type) marked clearly or detail provided. For example, a space with a collaboration endpoint will need a room or desk to assign it to.
 - Have clearly defined or marked POIs like stairs, bathrooms, elevators etc.
 - Provide room names in the CAD file or give the right identifiers that you would like the rooms to be labeled.
 - Provide clear layer names in CAD. For example: "A-Furn" (furniture), "Doors" (for doors), "Windows" (for windows), etc.
 - Keep elements in separate layers. Example: walls, doors, labels in their own layers.
 - Cross Reference (XREF) will not be processed. You must "Bind" them into a single .dwg when exporting from AutoCAD or another program.



(Examples)

Cisco Spaces - Rich Map mapped to Locations and Floors

The screenshot displays the Cisco Spaces interface for managing locations and maps. The left sidebar contains navigation options: Dashboard, Home, Location Hierarchy, Integrations, Monitor, Admin Management, IoT Services, and Setup. The main content area is titled 'Locations and Maps' and includes tabs for 'Locations', 'Network Maps', and 'Rich Maps'. The 'Rich Maps' tab is active, showing a summary of 30/31 buildings with rich maps imported. A table lists buildings with their names, paths, number of floors, and number of APs. The 'View/Edit' link for the AMS5 building is highlighted. An inset window shows the 'Rich Map' for AMS5-1, displaying a 3D floor plan with various rooms labeled.

Locations and Maps

Setup > Locations and Maps

Rich Maps

SUMMARY

30/31 Buildings rich maps imported 0 Buildings rich maps review pending

Add a Rich Map

Buildings

Export Recent Activity

Search Locations Filter

Name	Path	#of Floors	#of APs	Status	Actions
AMS5	DevCamp	6	0	Published	View/Edit
ATL11	DevCamp	3	0	AMS5	
BDLK09	DevCamp	4	0		

Rich map for "AMS5-1"

6 of 6 rich maps associated

FLOORS

Add new floor

- AMS5-0 ✓
- AMS5-1 ✓
- AMS5-2 ✓
- AMS5-3 ✓
- AMS5-4 ✓
- AMS5-5 ✓

Rich MAP

On this floor

- Rest Rooms
- Help Desk
- Child Care Area
- Stairs

Add Webex Workspace to a Room on the Rich map

To associate Webex Workspace

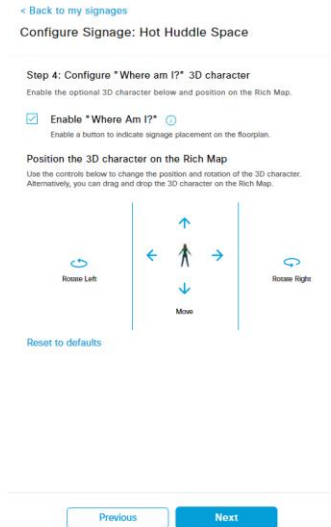
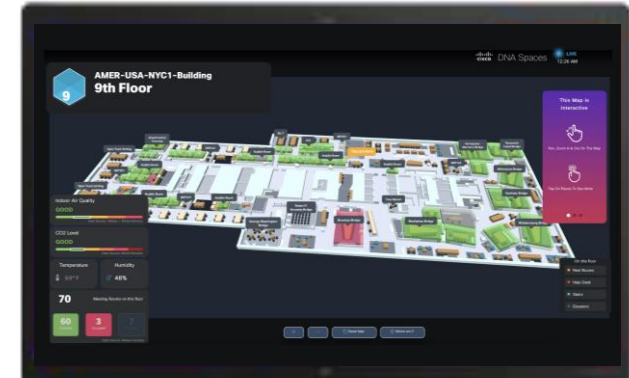
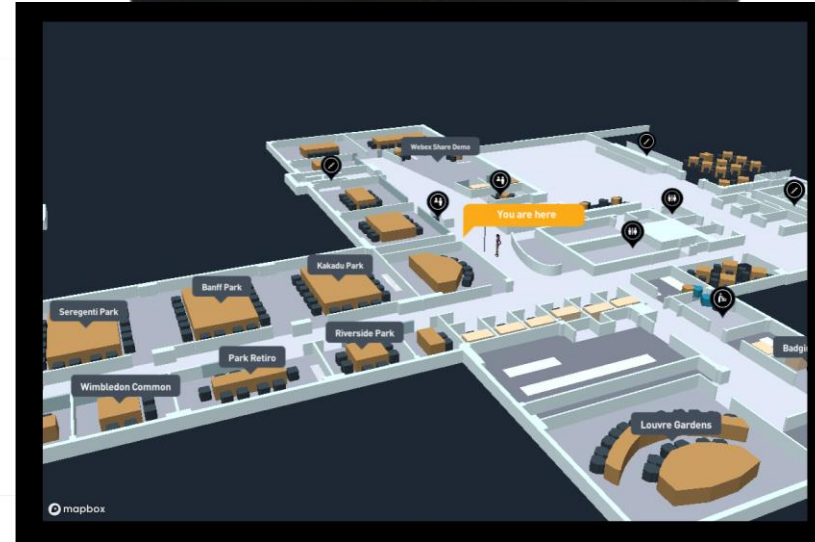
- Navigate to Space Manager → Space Management
- Search for Workspace and Select “Connect Now” to select the Webex endpoint to be associated

The screenshot displays the Cisco Spaces application interface. On the left, a sidebar menu lists various features, with 'Space Manager' highlighted and circled in red. The main area shows the 'Space Manager' dashboard, which includes a 'Space Management' tab. Below this, a 'Devices' section displays a 3D map of a building layout with various rooms labeled (e.g., Meeting Space, North Sydney, Vihana, Aironet). A table above the map shows device counts for different categories: 17 Total Devices, 17 Webex, 00 Catalyst, 00 BLE, 00 Meraki, and 00 Wired. On the right side of the interface, a 'Webex Workspace' section is visible, featuring a 'Connect Now' button that is circled in red. Below this button, there are several rows of configuration options, each with a 'Modify' link.

Space Experience

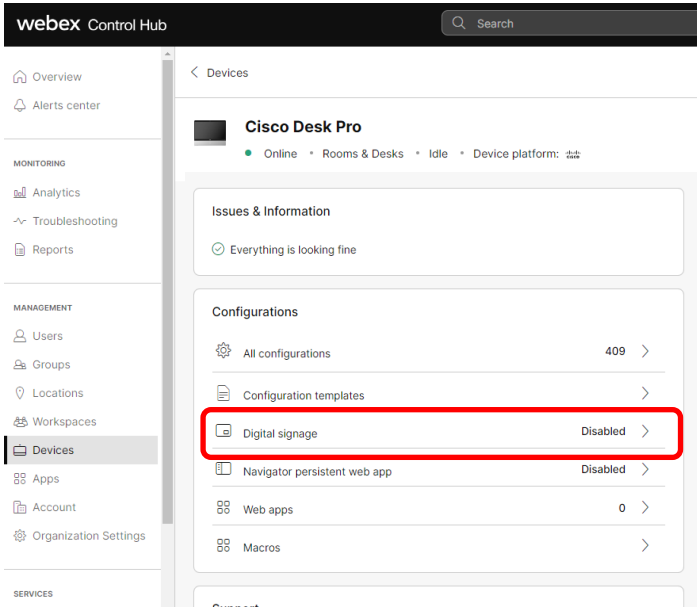
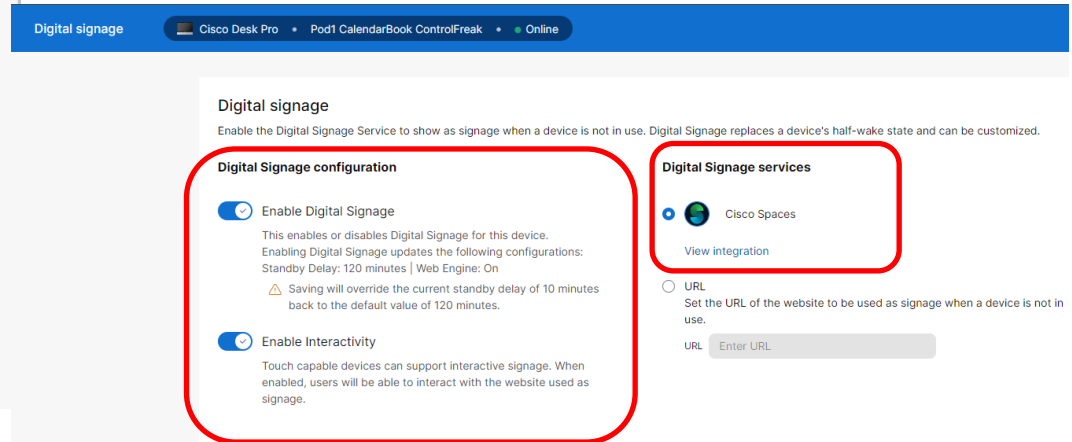
Cisco Spaces dashboard app

- Easily deploy Digital Signage to Webex devices via native Control Hub integration
- Simple, secure non-Webex device deployment via unique URL + 4-digit code authentication
- Configure view (building, floor), perspective, “Where am I?”



Control Hub Digital Signage

Devices - > Digital Signage



Add Signage to Webex Devices

To create signage

- Navigate to Space Experience → Devices
- Select Location and Floor, Webex Devices and choose “Add Signage”

The screenshot displays the Cisco Spaces web application interface. On the left, a sidebar menu lists various features, with 'Space Experience' highlighted at the bottom. The main content area is titled 'Space Experience' and 'Devices'. It shows a map view of a building with a 'Room Finder' overlay. A 'Configure Signage: Bharath-Lab' panel is open, showing 'Step 1: Signage type & view'. The 'Signage type' section has 'Interactive' selected, and the 'View' section has 'Floor' selected. The 'Add Signage' button is visible in the top right corner. Below the map, there is an 'Actions' section with an 'Edit Signage' button highlighted by a red box.

Control Hub – Spaces PWA configuration

Devices -> All Configurations -> Navigator Persistent Web App

**Cisco Desk Pro**

● Online • Rooms & Desks • Idle • Device platform: 

Configurations

-  All configurations 424 >
-  Configuration templates >
-  Digital signage Disabled >
-  **Navigator persistent web app Disabled >**
-  Web apps 8 >
-  Macros 1 >

Navigator persistent web app Cisco Room Navigator • Pod1 CalendarBook ControlFreak • Issues

Navigator persistent web app

Running a persistent web application on a Cisco Room Navigator lets you use third-party solutions for managing room bookings and communicating workspace guidelines and information. [Learn more about persistent web apps](#)

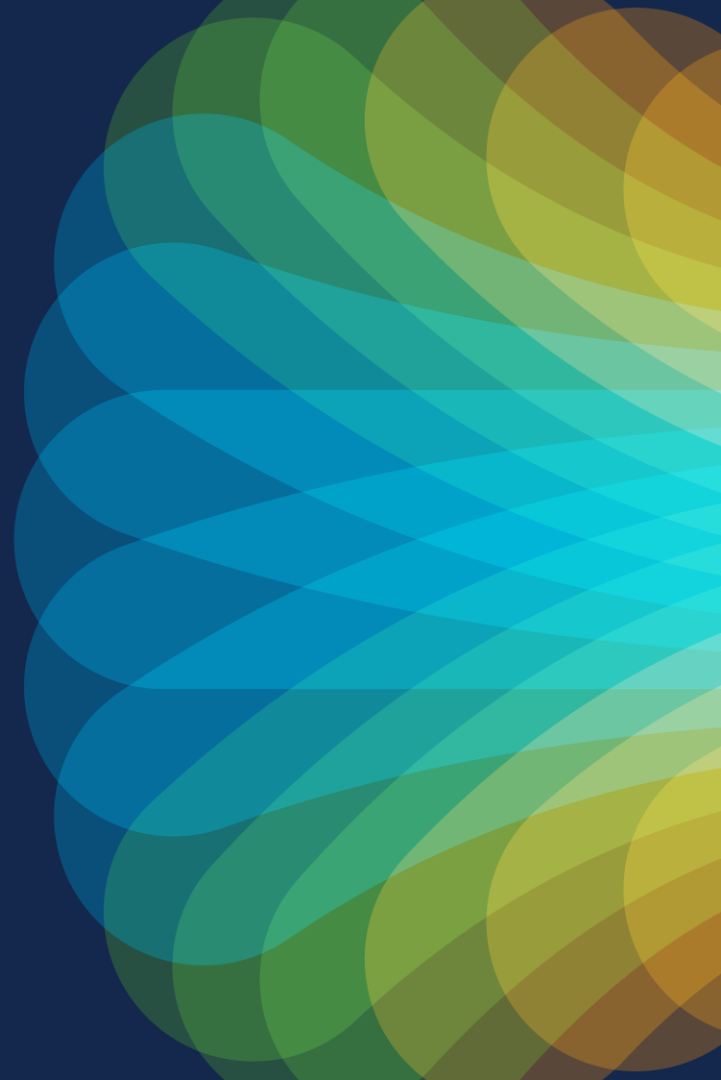
Services

- ☐ None
No persistent web app service is running on the device.
- ☒  **Cisco Spaces**
Note: This integration requires JSXAPI access. [View integration](#)
- ☐ URL
Set the URL of the website to be displayed on the device, replacing the RoomOS user interface.
URL

☐ Allow JSXAPI access on this device [?](#)

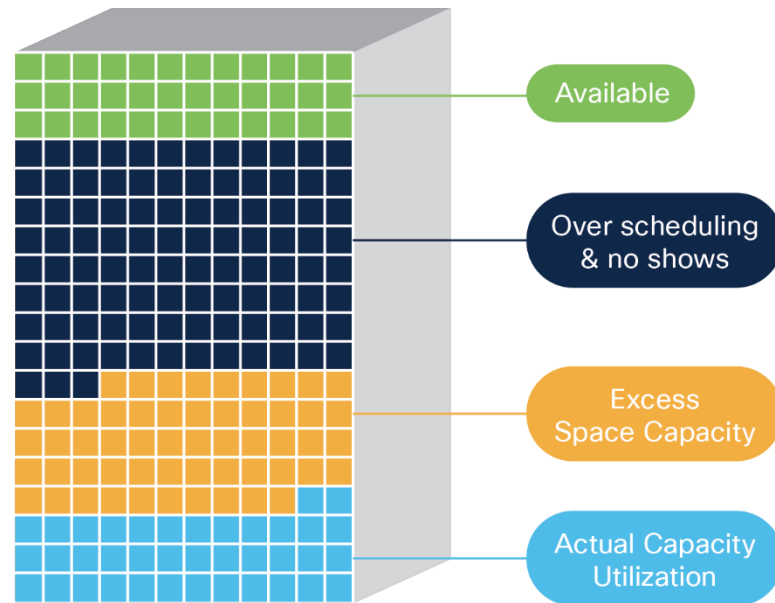


Smarter Space Usage and Management



Understanding and Managing Space Utilisation

What's the
true office
space
utilisation?



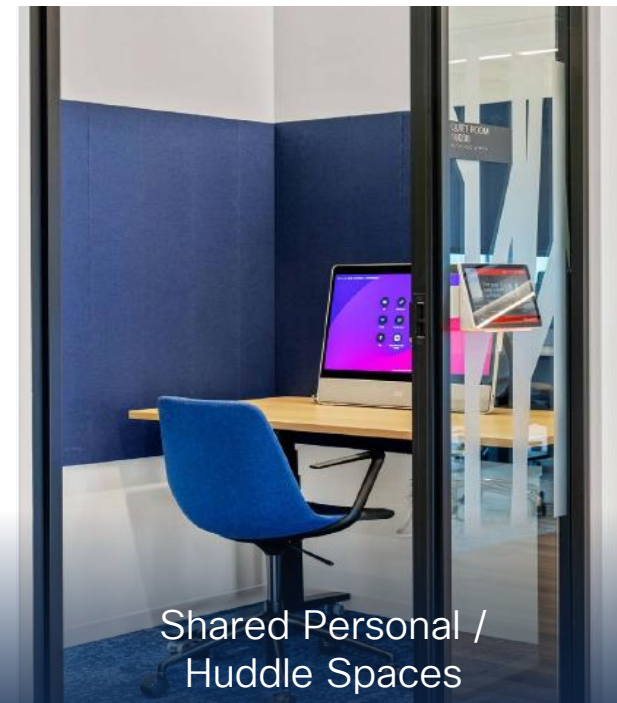
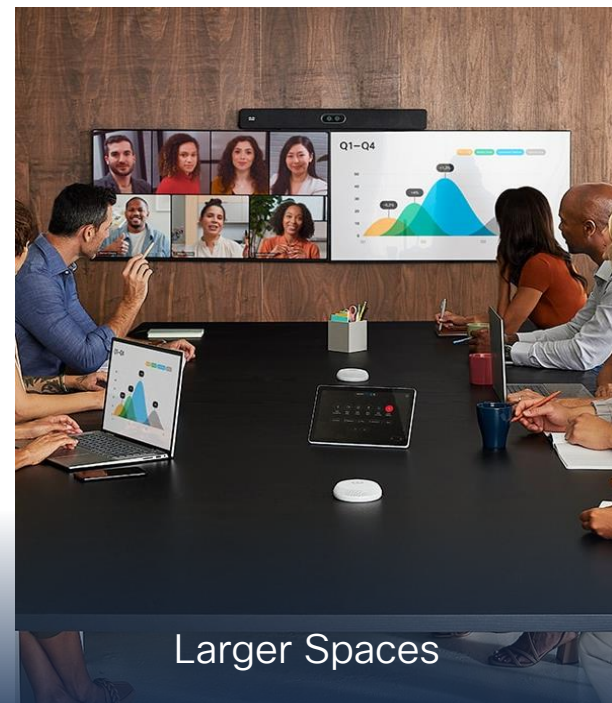
With the change in office cadence moving to a mix of on-demand and scheduled space will provide the most efficient space utilisation

Balancing ad-hoc with bookable spaces



Enabling smarter space management and interaction

← On Demand / Adhoc Space ← Booked / Scheduled →

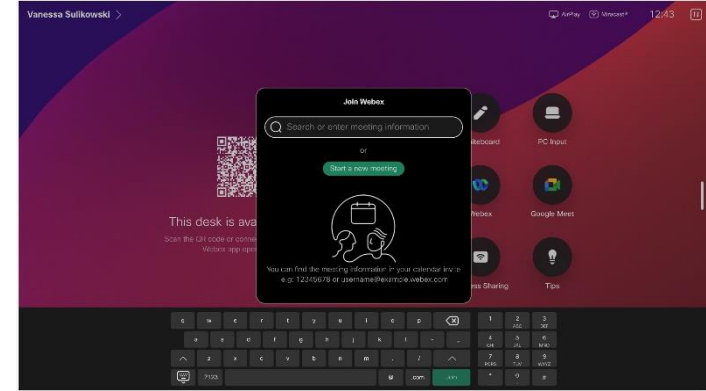
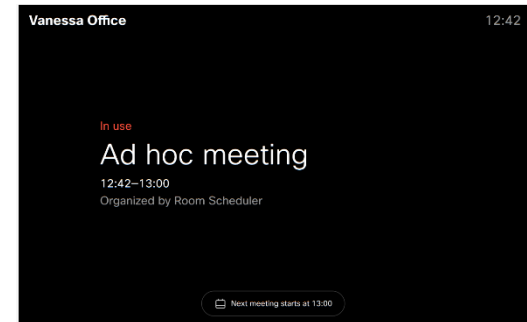


Removing the challenges of Adhoc Space Usage

Perceived Challenges

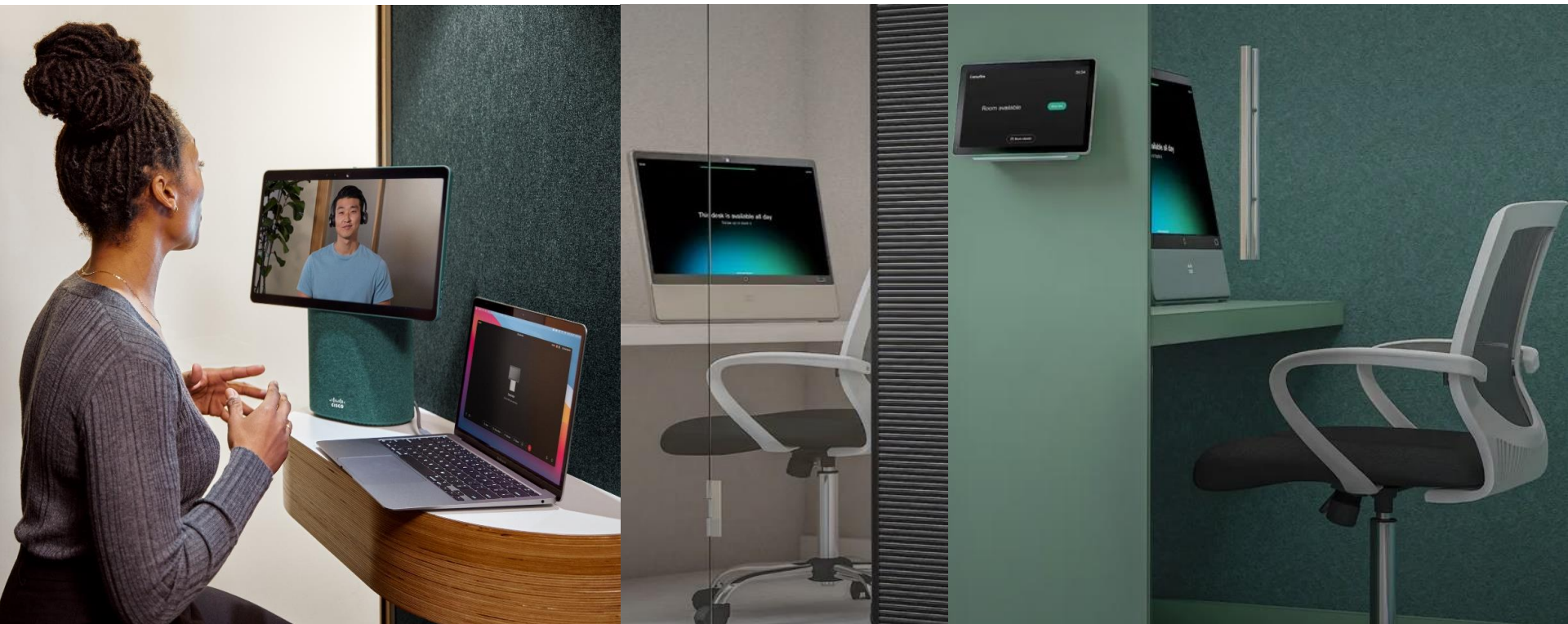
- Space Visibility – finding available space
- Reserving Space / Adhoc Booking Space
- No OBTP when not scheduled
- Joining non webex meetings
- Book on Demand / Instant Meetings

By Complimenting Calendar Scheduled Spaces
with multiple Adhoc Usage Methods



Adhoc Space Reservation and Usage

Hot Desking, Device Initiated Meetings, In-app / Navigator Adhoc Bookings



Smart Secure Hot Desking

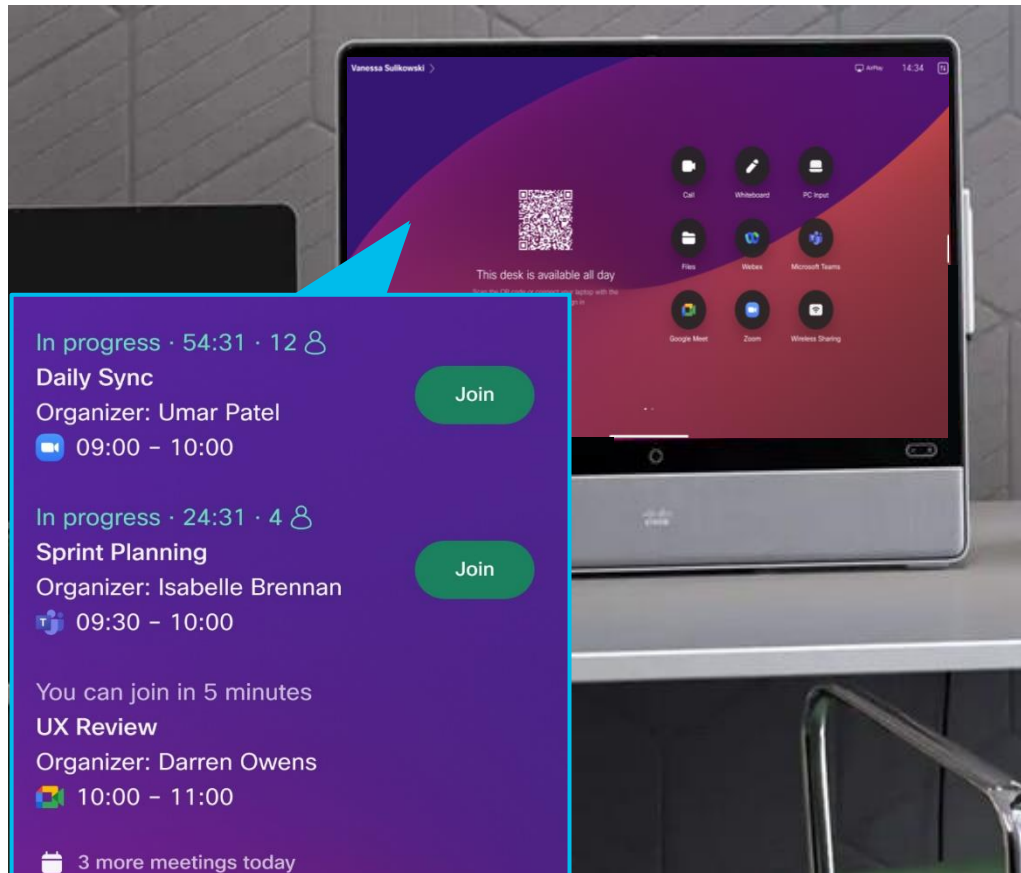
Hot Desk via QR Code or USB-C

- Webex calling number
- Join, Make & Receive Calls
- all Meetings types with OBTP
- Presence and Status sync
- Call History
- Favourites



88xx Phones

CISCO *Live!*



Join

One button to push for every space

Enabling Hot Desking

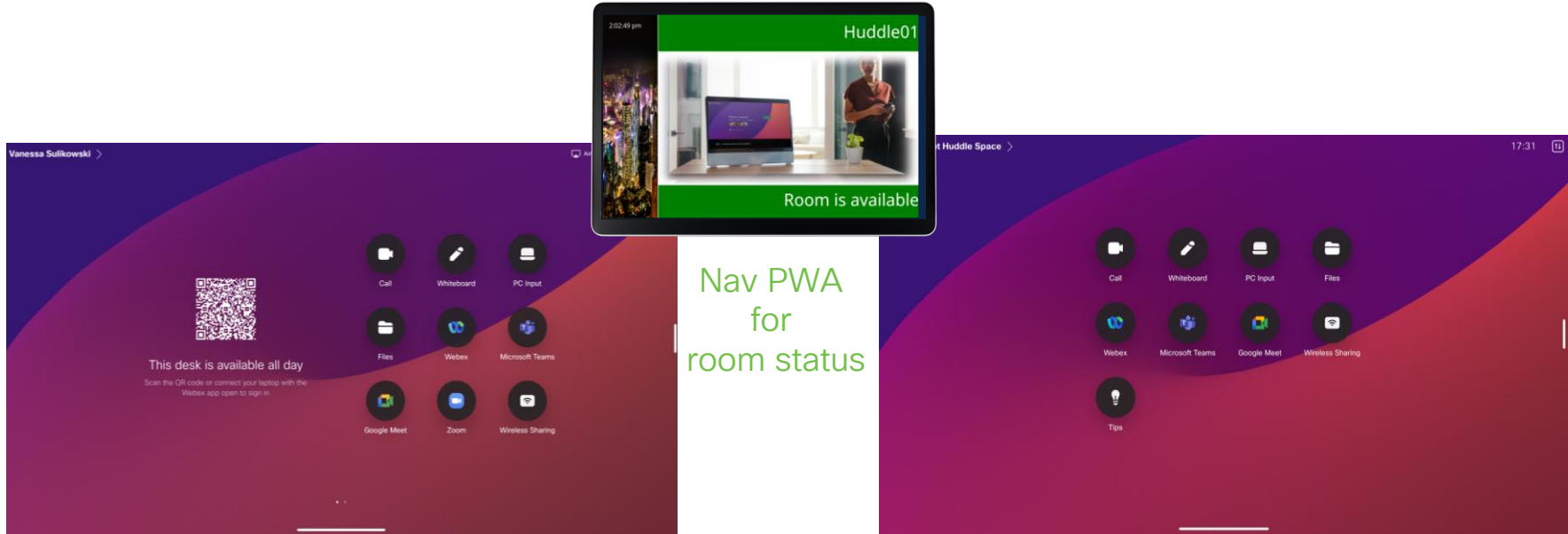
Workspaces -> Scheduling > Hot Desking



The screenshot displays the Cisco Webex management console interface. On the left, a sidebar menu includes 'Overview', 'Alerts center', 'MONITORING' (Analytics, Troubleshooting, Reports), and 'MANAGEMENT' (Users, Groups, Locations, Workspaces, Devices, Apps, Account, Organization Settings). The 'Workspaces' option is highlighted with a red box. The main content area shows the 'Pod1 Hot Huddle Space' configuration page with tabs for 'Overview', 'Scheduling', and 'Meetings'. The 'Overview' tab is active, showing 'Device hosted meetings' and a 'Scheduling' section. The 'Scheduling' section is highlighted with a red box and contains the text 'Choose scheduling' and a 'Choose scheduling' button, also highlighted with a red box. To the right, the 'Scheduling' tab is selected, showing options for 'None', 'Calendar', and 'Hot Desking'. The 'Hot Desking' option is selected and highlighted with a red box, with a description: 'Enable hot desking to allow users to sign in and book any shared Webex Desk device with their Webex identity.' Below this, there are 'Cancel' and 'Save' buttons, with the 'Save' button highlighted by a red box.

****Bulk enable workspaces for Hot Desking via workspace list**

Adhoc Space Use Cases with Navigator PWA



Hot Desk Enabled

Adhoc Shared Workspace

*Outside Navigator must be paired to device

*Outside Navigator can be paired or standalone in workspace

Adhoc Only Rooms plus outside Navigator PWA

Instant Join

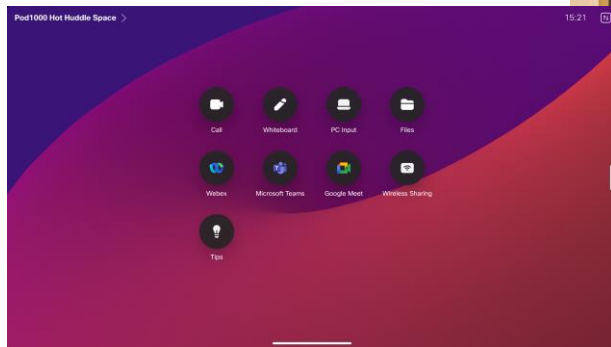
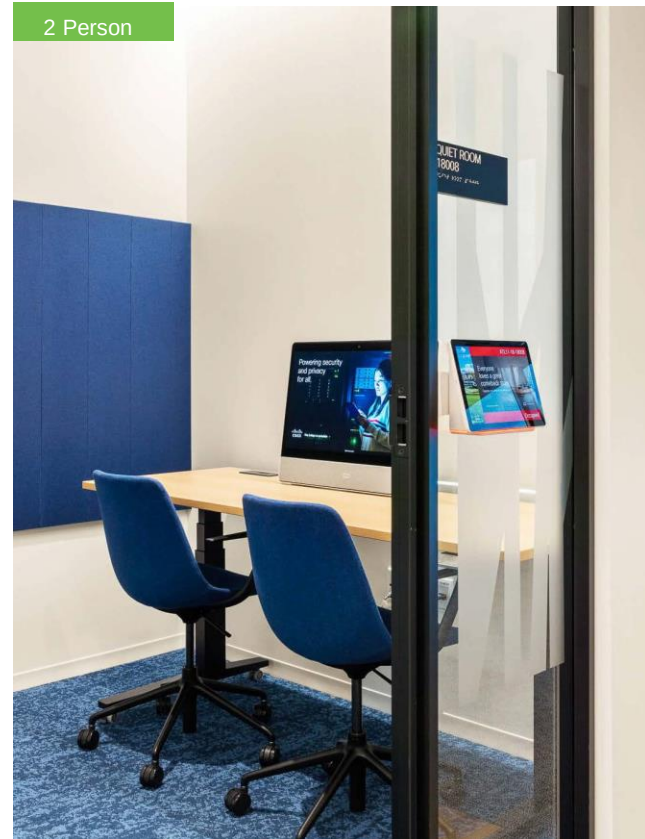
- Webex, Teams (WebRTC and CVI), Google and Zoom Buttons

Instant Pair

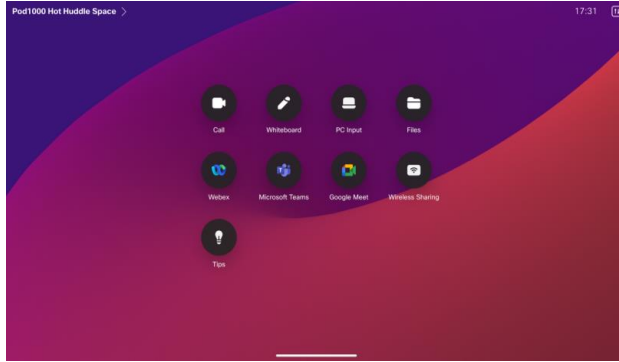
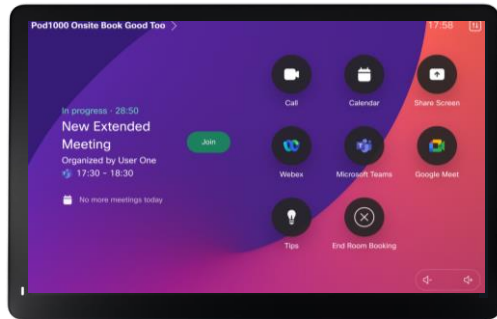
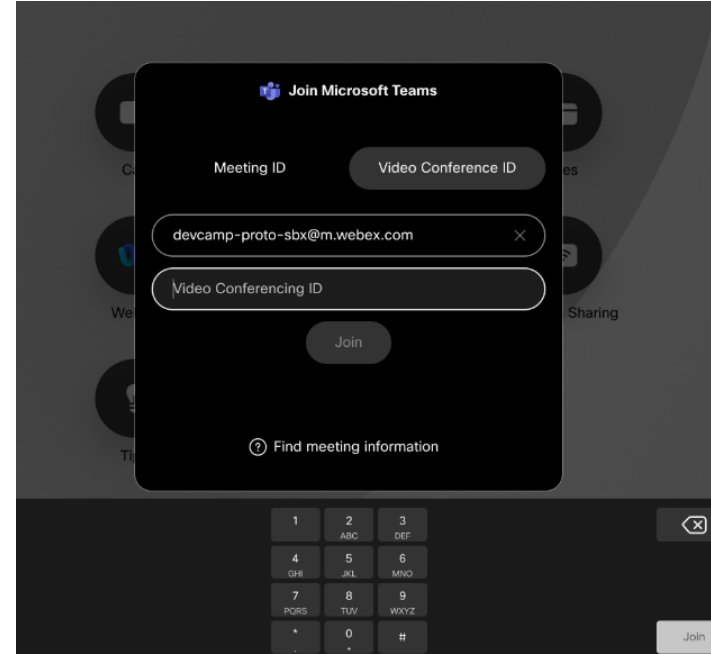
- Proximity, Guest Sharing, USB-C, AirPlay, Miracast, Pin Pair

Instant Meetings

- Device Initiated Meetings

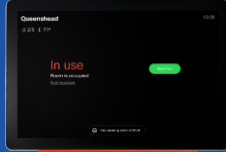


Buttons to Adhoc Join Any Meeting Type



Smarter Room Booking

Ad Hoc /
On-Site
Only
Booking



Room
Booking
(w/ check-
in*)

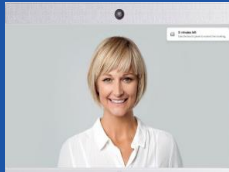


Inside &
Outside

Room
Status
Visibility



Meeting
Reminders



Frictionless
Meeting
Extension



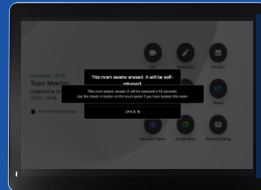
Voice
Assistance



Room
Booking
Automation



Ghost
Meeting
Release



Persistent
Web
Apps



Enabling Room Booking Summary

Book Rooms via Device, Room Navigator, Touch 10 or Webex Assistant.

To enable [Room Booking](#), in Control hub you must set up these in the following order:

1. Configure Hybrid Calendar
2. Configure scheduling account
3. Configure devices with calendar account and enable in-room booking

Room booking is only available for cloud registered and Edge enabled Devices [shared](#) devices (not personal mode)

** Currently can configure booking or hot desking future workspace will have both



Scheduling

 **Office 365**
● Activated - since yesterday at 11:04 AM

Configure Scheduling

Edit In-Room Booking Settings

Email AddressPod1000-CalBook-Control-Freak@duy24-td-1000.wox.ai

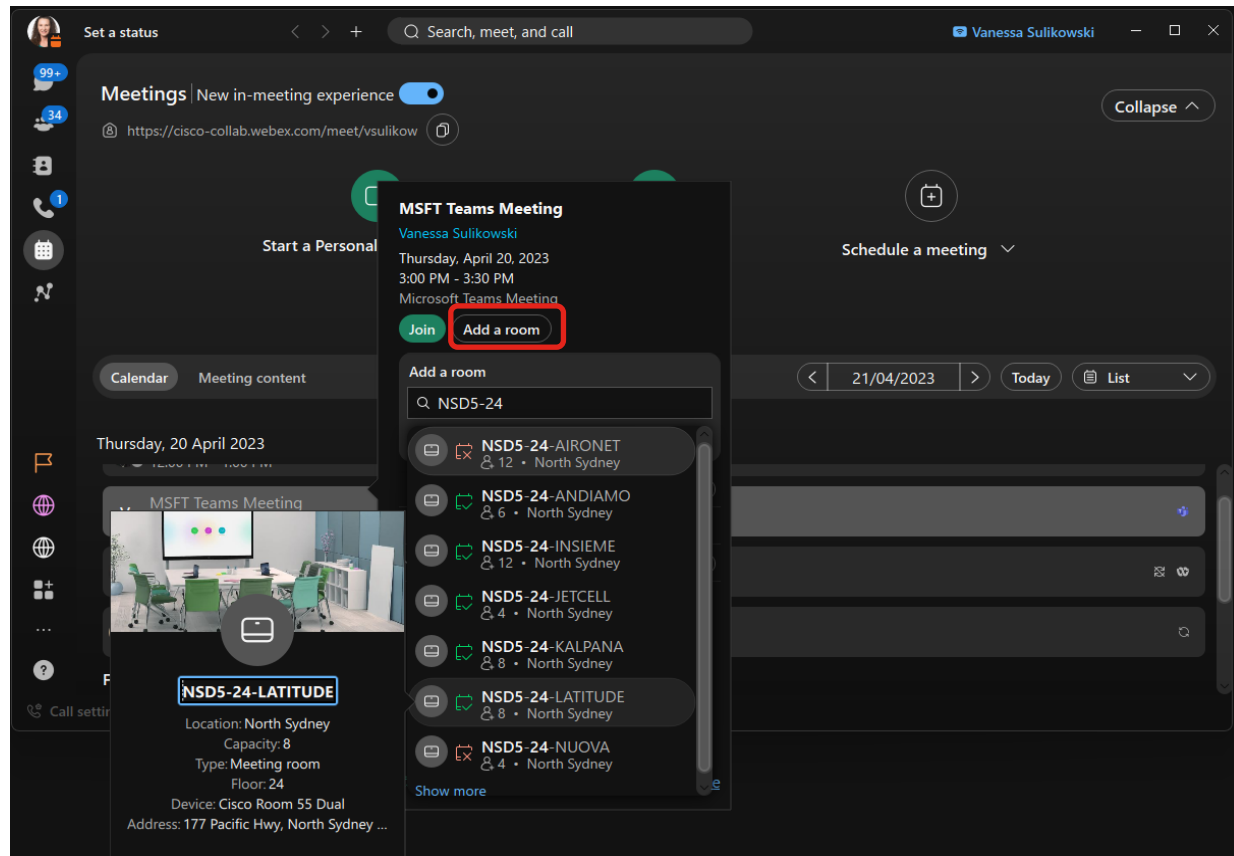
In-Room BookingOff

View scheduled meetings

Creator / Attendee Add Room via In-App Scheduler

Add a room
that is
available to
ANY meeting
including
those you are
invited to

Room
receives invite
and has **OBTP**

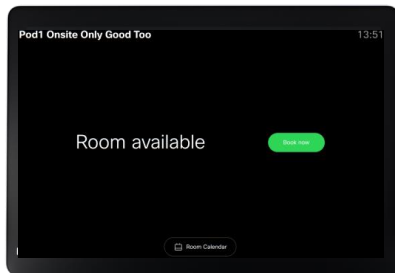


Adhoc Room Bookings

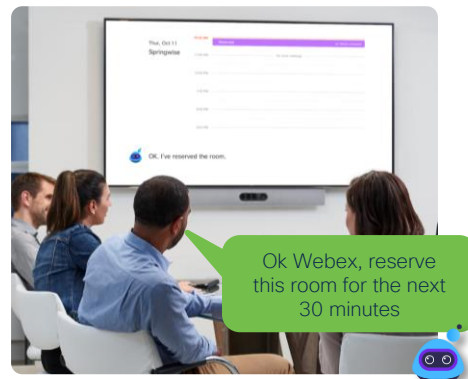
Enable in-room booking



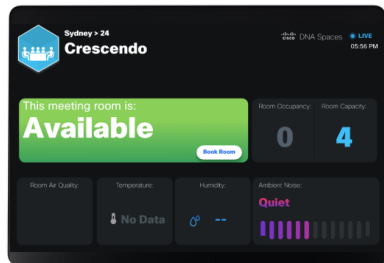
Book from Device



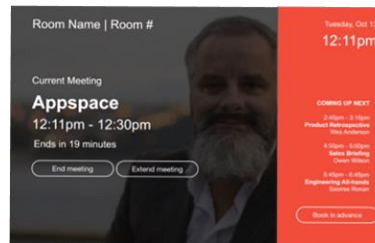
Book from Navigator
(inside and outside)



Book from Webex Assistant



Book from Spaces PWA



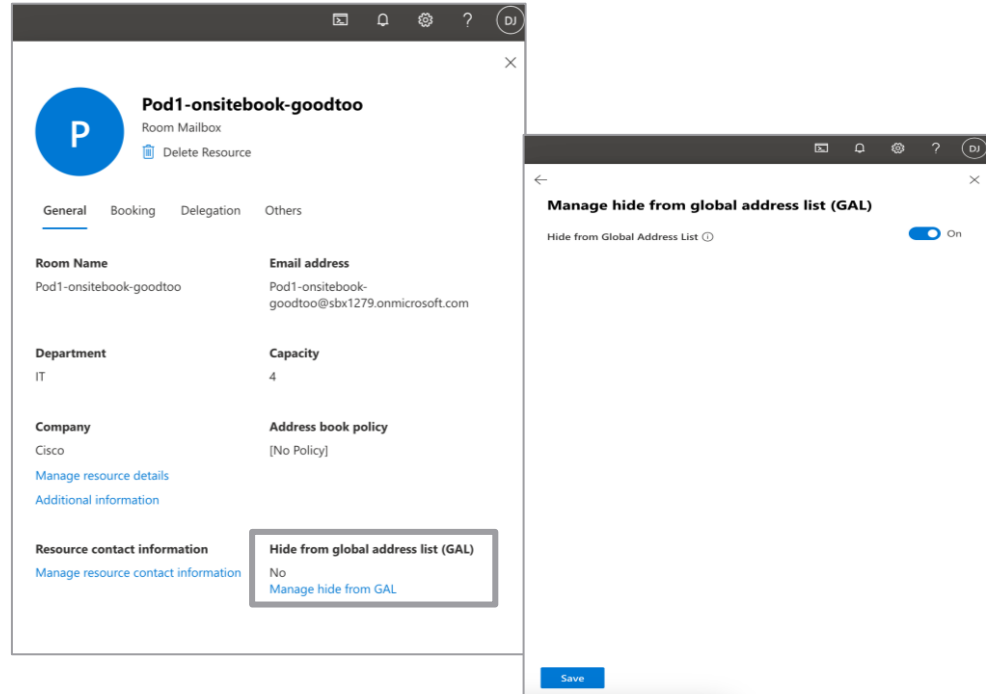
3rd Party Booking PWA

On-Site Only – Inside / Outside Room Bookings

Disable booking via calendar
allow booking on-site only

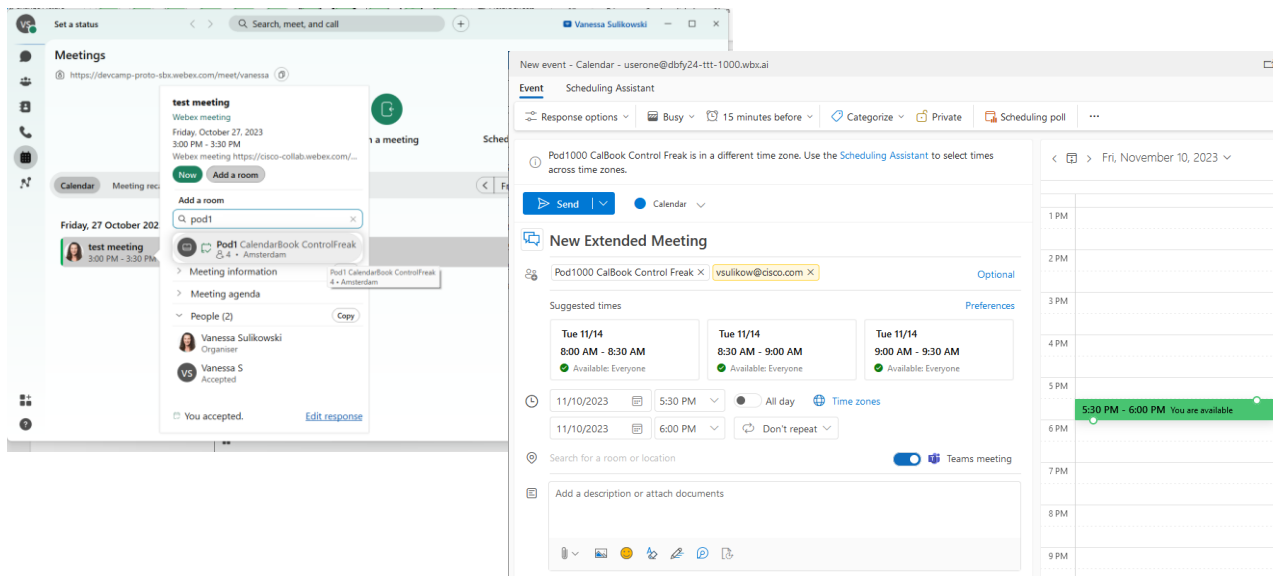
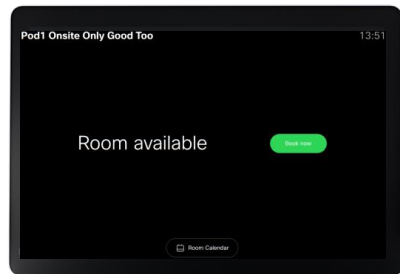
All Adhoc Booking Options

- Book from Device
- Book from Navigator
(inside and outside)
- Book from Webex Assistant
- Book from Spaces PWA
- 3rd Party Booking PWA



Hide room mailbox from Global Address List

Both: Scheduled and Adhoc Rooms



Pre-book via any calendar enabled app

Adhoc Book via navigator, device, Webex assistant, 3rd party, macro

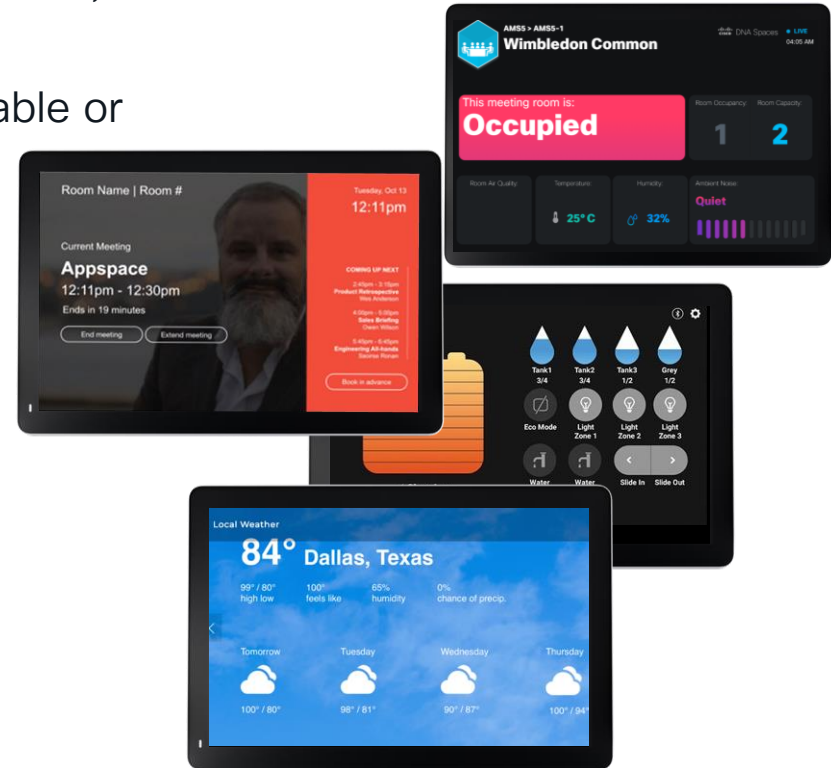
Navigator booking – rooms with no Webex Devices

Cisco Room Navigator configured as a standalone, even when workspace has no video device

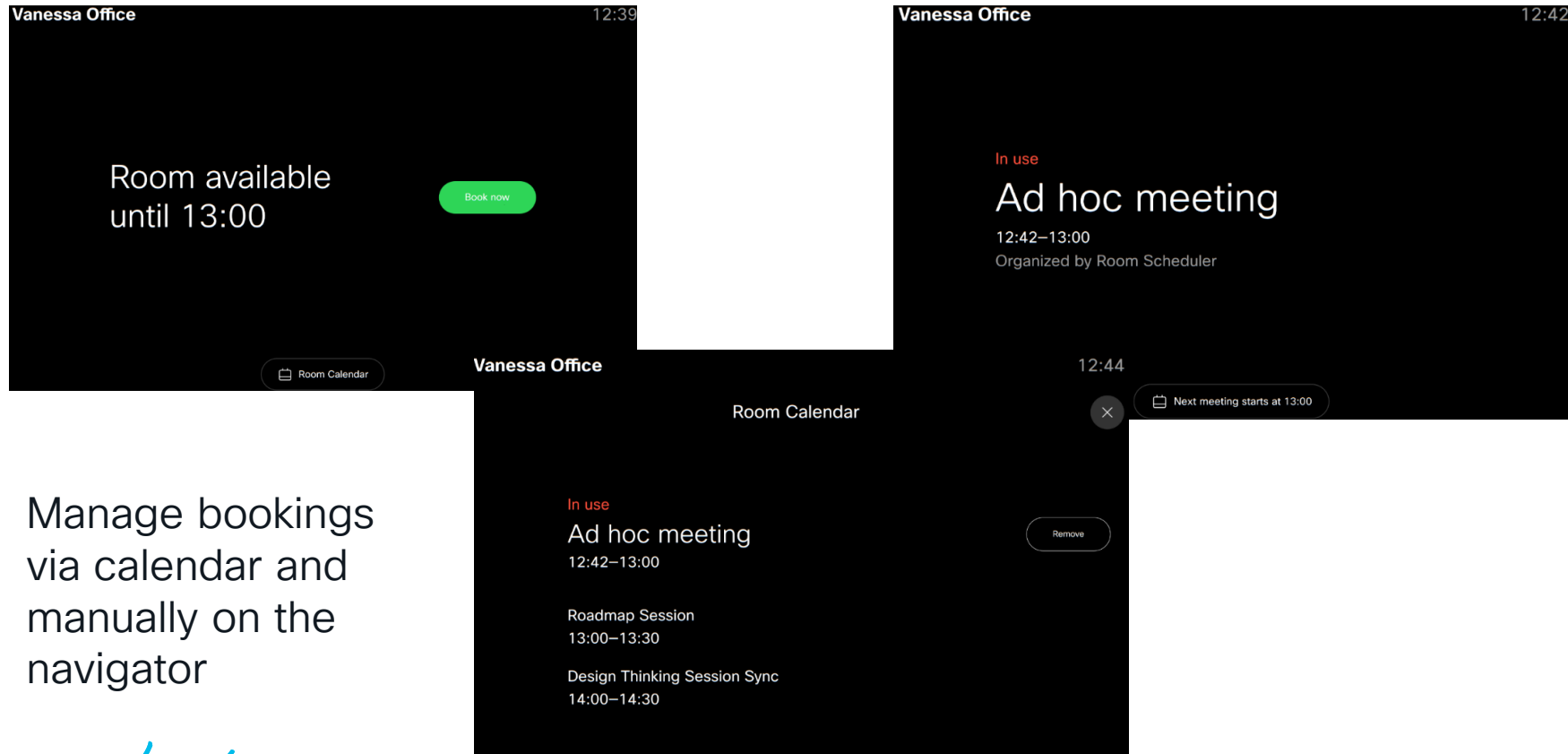
In standalone mode Cisco Room Navigator (table or wall) registers directly to Control Hub

Navigator Standalone Modes:

- Video controlling interface
- Room Booking
- Persistent Web App
 - Room control interface
 - Media control interface
 - Room Booking
 - Any web app..



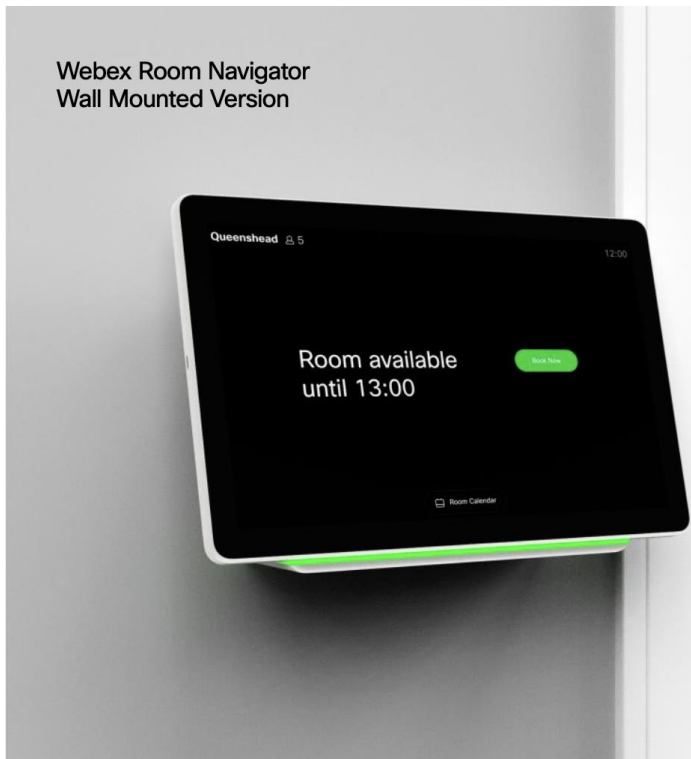
Navigator Standalone Workspace Bookings



Manage bookings
via calendar and
manually on the
navigator

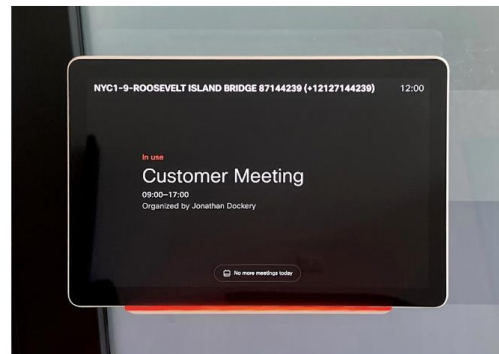
Wall Mount Navigator – Room Booking or PWA Mode

Webex Room Navigator
Wall Mounted Version



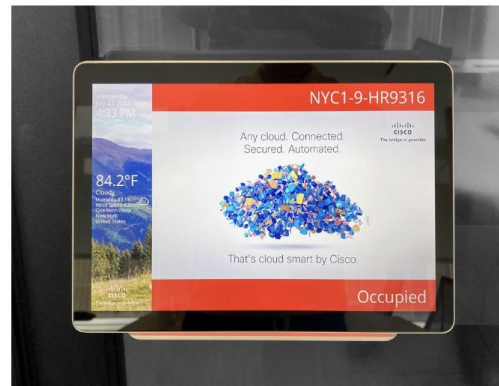
Bookable Rooms

The Webex Navigator – through its integration with O365, Exchange and Google Calendar – enables seamless room booking, calendar view, meeting information, and meeting extension with a few taps on the touch screen.



Adhoc Rooms

The Webex Navigator uses an in-house developed web app to change the display and LED light based on occupancy, green available, and red for occupied.



Room booking automation macros

Auto Book Room

Book a room simply by walking in (people count)

Ghost Meetings Release

Free up the room when no one shows up to a meeting

<https://roomos.cisco.com/macros>

OR

<https://github.com/CiscoDevNet/roomdevices-macros-samples>



Check in/Check out for Room Bookings

Optimise room utilisation with check in/check out

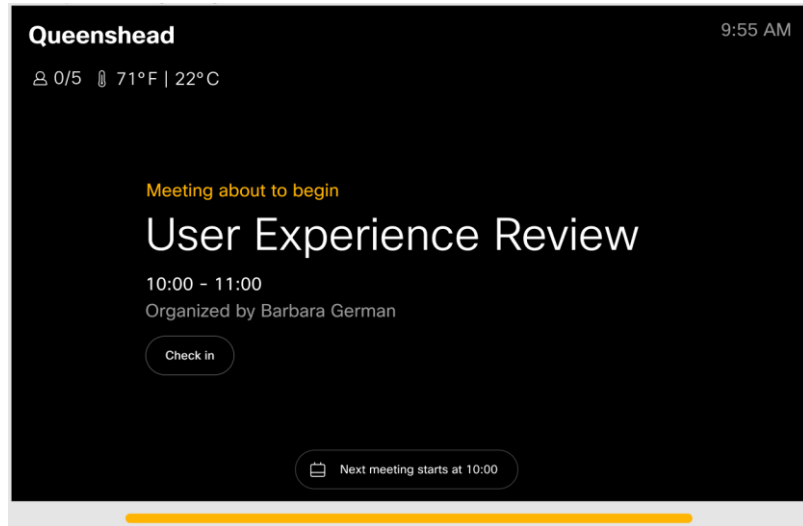
- People presence in room must be confirmed for a booking to persist
- If no presence detected room will free up and be available for others

Check-in can be done

- manually by a press of a button
- or automatically using people count, sharing a presentation, or simply joining a call.

Check-out action button

- allows users to free up room for any remaining time at the end of their meeting.



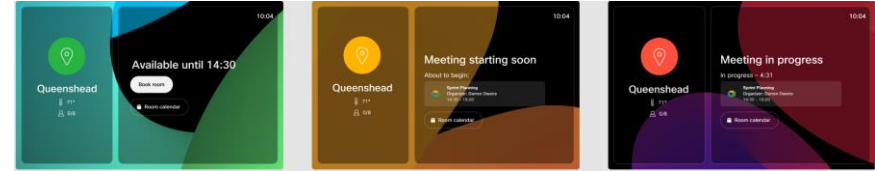
UI & Branding for Room Booking App

The [Room Booking App](#) will feature a modern and stylish design to accommodate any potential customisation

[Customise](#) the Room Booking Navigators

- with unique backgrounds, logos, and LED colors.

- Also have enhanced visualization of [room availability](#) through state dependent backgrounds



Hotdesking - Boards / Room devices

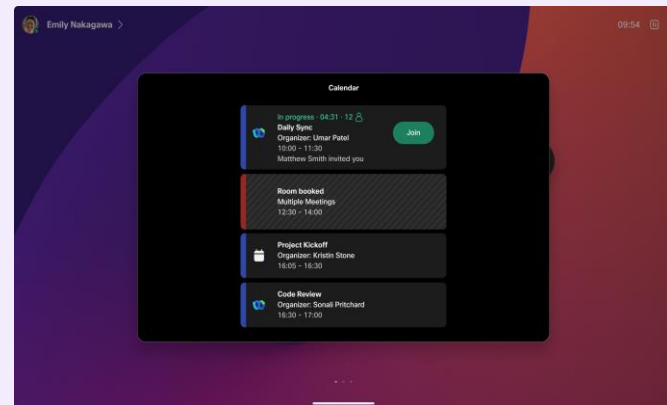
Streamlined signing-in and booking experience available on all devices..

Workspace can have **both booking and hotdesking**

Supports flexible workspace use cases:

- quiet hotdesking rooms / huddle rooms with **room devices**
- Shared personal office
- traveling executive needing remote personalised office
- use of meeting rooms for a quick call or join meetings by signing-in and personalizing the device

Workspace Booking Policy (such as max booking time) drive the correct behaviour and improve utilisation



Intelligent Collaboration Workspaces

A device for every space and place

Personal spaces



Workstations



Executive offices



Hot desking
and hoteling

Collaborative spaces



Quiet rooms



Huddle spaces



Open collab
spaces



Meeting spaces



Board rooms



Multi-purpose
spaces

Workspace Types – Align Workspaces with Work Activities

Bring People, Technology and Space Together



Focused Hotdesks and
Informal workspaces

CISCO *Live!*



Huddle, Ideation and
Meeting Spaces



Multi-Purpose and Specialised
Spaces

Next-generation Room devices



UX & Interop powered by RoomOS

Intelligence engine powered by NVIDIA

Scalable management in Control Hub

20x faster AI/ML engine to power intelligent future collaboration experiences

RoomOS enhancing in-meeting experience



Audio Intelligence

Industry-leading AI noise removal and advanced audio processing



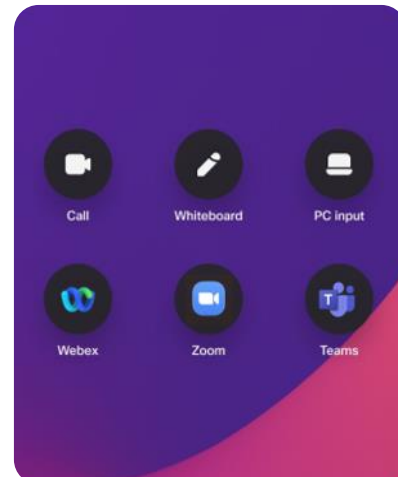
Camera intelligence

Intelligent Frames camera views, speaker and group views, people focus, meeting zones



Content sharing

Versatile sharing options, inc. Miracast, USB/HDMI, AirPlay, Proximity, Guest Share, Teams Sharing



Interoperability

Seamless back-to-back intelligent hybrid meetings, Optional Microsoft MTR Experience

Designing Your Rooms

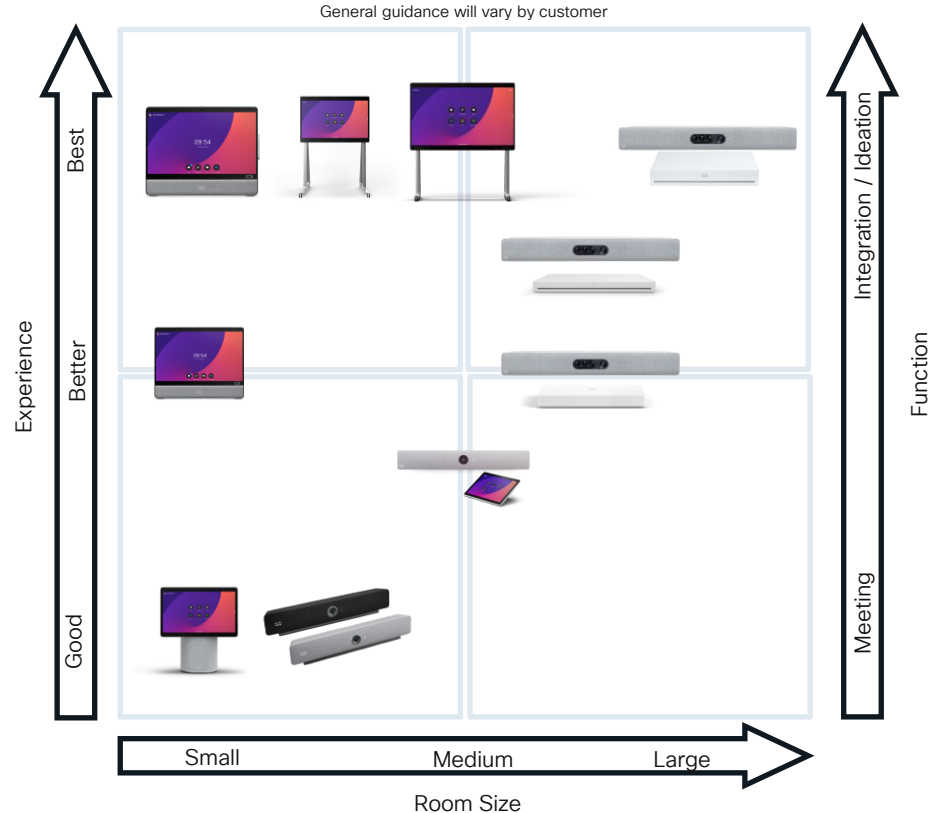
Each room will vary in size and function

- Size – Room Size & number of users
- Screen – Does the room have existing screens
- Design – integration with room furniture, heat & light, speakers or microphones
- Booking – capability to manage & schedule

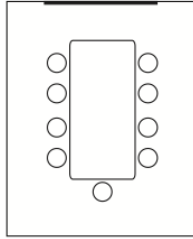
Decision Factors to select room devices:

Device Function – meeting and whiteboard

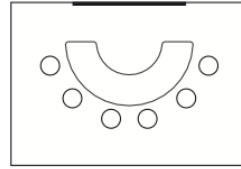
Room Function – role and type of the room



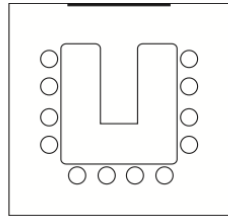
Common Room Types and Sizes



Long & Narrow

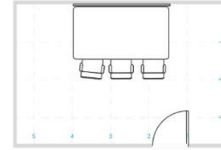
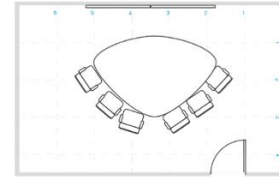
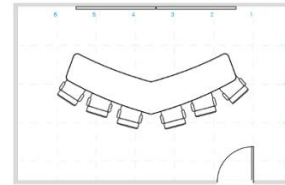


Video Centric

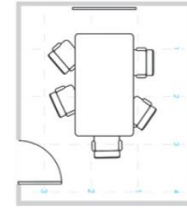
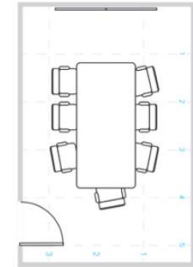


Horseshoe

Video centric

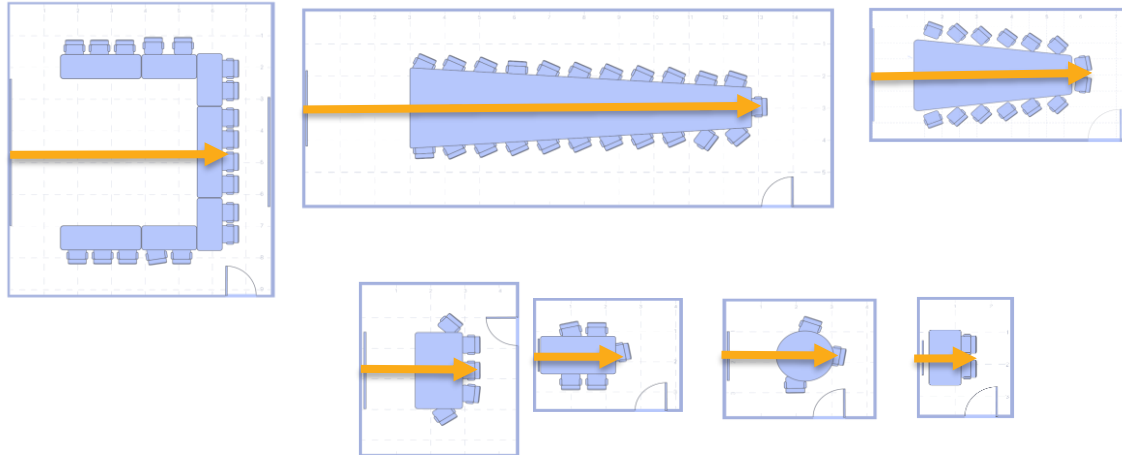


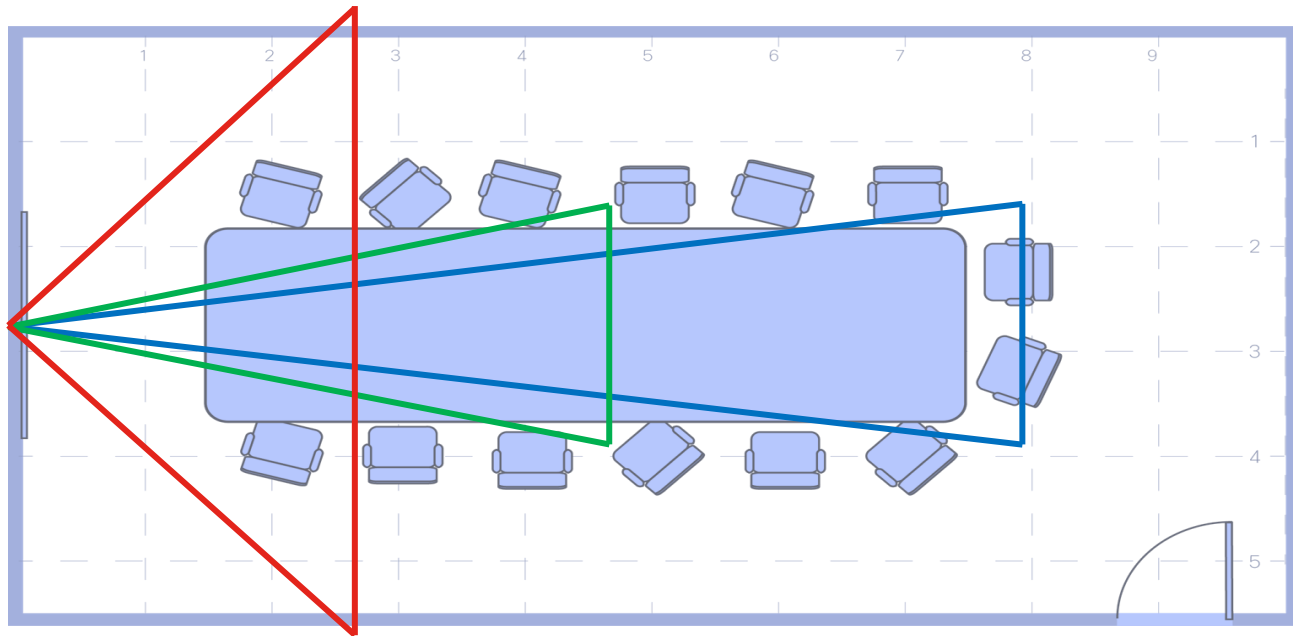
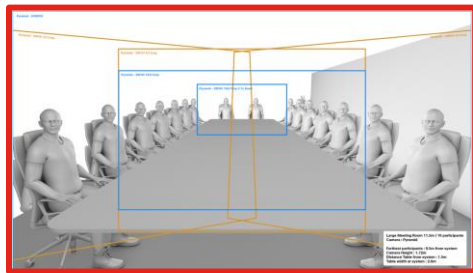
Rectangular



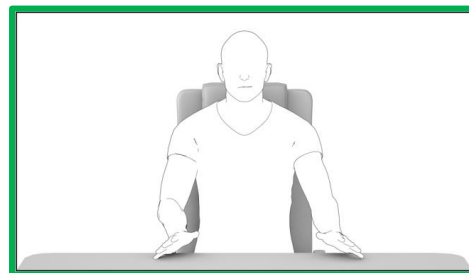
How do we define the size of the room?

The distance from the screen to the furthest participant expected to be in frame (typically furthest chair)

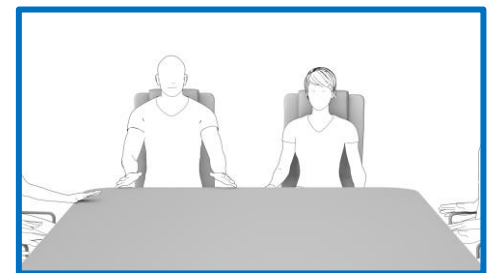




Best overview



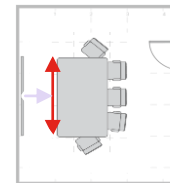
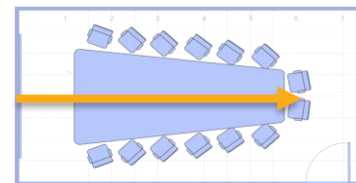
Single Person Frame



Two Person Frame

Video Device Camera Reach

	Width at 1 mt	Single person frame (up to)	Two person frame (up to)
Board Pro	3.5 m (11.5 ft)	3.5 m (11.5 ft)	6 m (20 ft)
Room Bar	3.5 m (11.5 ft)	2 m (6.5 ft)	4.5 m (15 ft)
Room Bar Pro	3 m (10 ft)	4 m (13 ft)	7 m (23 ft)
Quad Cam	1.8 m (6 ft)	6 m (20 ft)	9 m (30 ft)

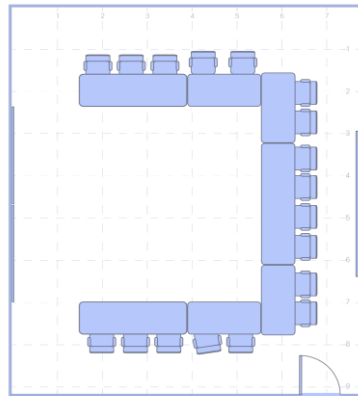


What About Microphones?

Assume that the built in Microphones in the Room Bars cover the same distance as the camera
....its how they were designed!

Except! The integrator codecs (Anything where you will use a Quad Cam or PTZ camera

- Room Kit Pro
- Room Kit EQ
- Room Kit EQX



*NB The Quad Camera Microphones are only used for Speaker Tracking, not audio capture

Cisco Microphones

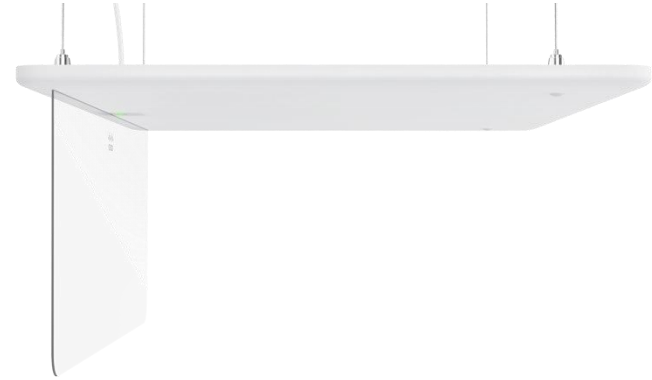
Table microphones



Cisco Table
Microphone



Cisco Table
Microphone Pro

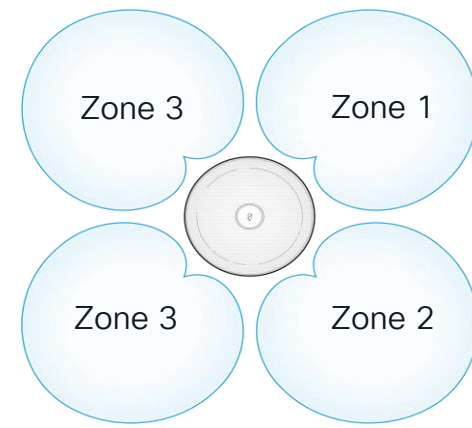
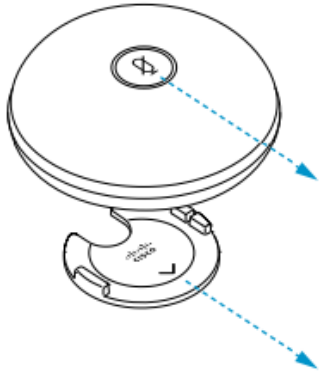
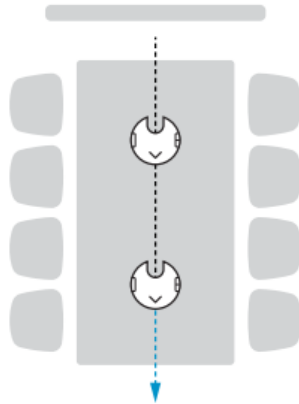
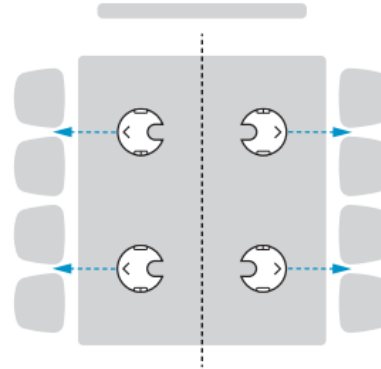
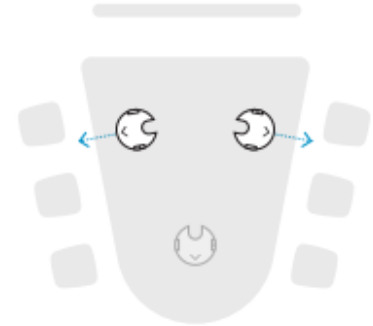


Cisco Ceiling
Microphone

*3rd Party AoIP AES67 Microphones now also supported

Table Microphone Pro

Orientation Guidance



Intelligent Multi-Purpose Spaces

Extending beyond traditional meeting rooms.



***BRKCOL-2199 Room customisation with Webex Devices – Friday 9am*

New and Coming Intelligent Room Experiences

Get the best experience in any meeting room type and size

STATE-OF-THE-ART NVIDIA
AI-CHIPSETS



Current RoomOS
Intelligence

SpeakerTrack
PresenterTrack
Immersive Share
Frames
PeopleFocus

NEW MEETING ZONES



MULTI-CAMERA
SPEAKER MODE



PRESENTER AND
AUDIENCE



CROSS-VIEW



Workspace Analytics



Manage and Optimise space via sensor based telemetry



Booking



Room Presence



People count



Lighting levels



Ambient noise



Overall noise



Room acoustics



Humidity



Temperature



Air quality



Control Hub – Management and Analytics



Easy automated
user onboarding



Space utilisation
Business insights on device
adoption and resources



Diagnostics
Meeting diagnostics and
proactive alert capabilities

The screenshot shows the Cisco Webex Control Hub interface. The top navigation bar includes 'Overview', 'Alerts centre', 'Monitoring', 'Management', and 'Services'. The 'Devices' section is selected, showing a list of devices with columns for Type, Product, Status, and Belongs to. The table lists various Cisco Webex devices such as Desks, Boards, and Roomkits, along with their status (Online, Offline, Expired, etc.) and the user or group they belong to.

Type	Product	Status	Belongs to
Rooms & Desks	Cisco Webex Desk	Online	Bucky Barnes
Rooms & Desks	Cisco Webex Desk Mini	Online	Clint Barton
Rooms & Desks	Cisco Webex Board 55	Online	Cisco Devices Test Lab
Rooms & Desks	Cisco Webex Board 55	Online	Almost Intelligent Workspace
Rooms & Desks	Cisco Webex Desk Pro	Online	Peter Quill
Accessories	Cisco 730	Online	James Rhodes
Accessories	Cisco 730	Online	Steve Rogers
Rooms & Desks	Cisco Webex Board 55	Online	Garage Workshop
Rooms & Desks	Cisco Webex Roomkit Mini	Online	Garage Workshop
Accessories	Cisco Webex Room Navigator	Online	Garage Workshop
Rooms & Desks	Cisco Webex DX80	Online	Tony Stark
Rooms & Desks	Cisco Webex Desk Mini	Online	Stephen Strange
Rooms & Desks	Cisco Webex Desk Mini	Online	Sam Wilson
Accessories	Cisco 730	Issue	Thor Odinson



Device
Management

Search by device name
or meeting ID



Stats

Stats per device, real
time or historic



Health & Security

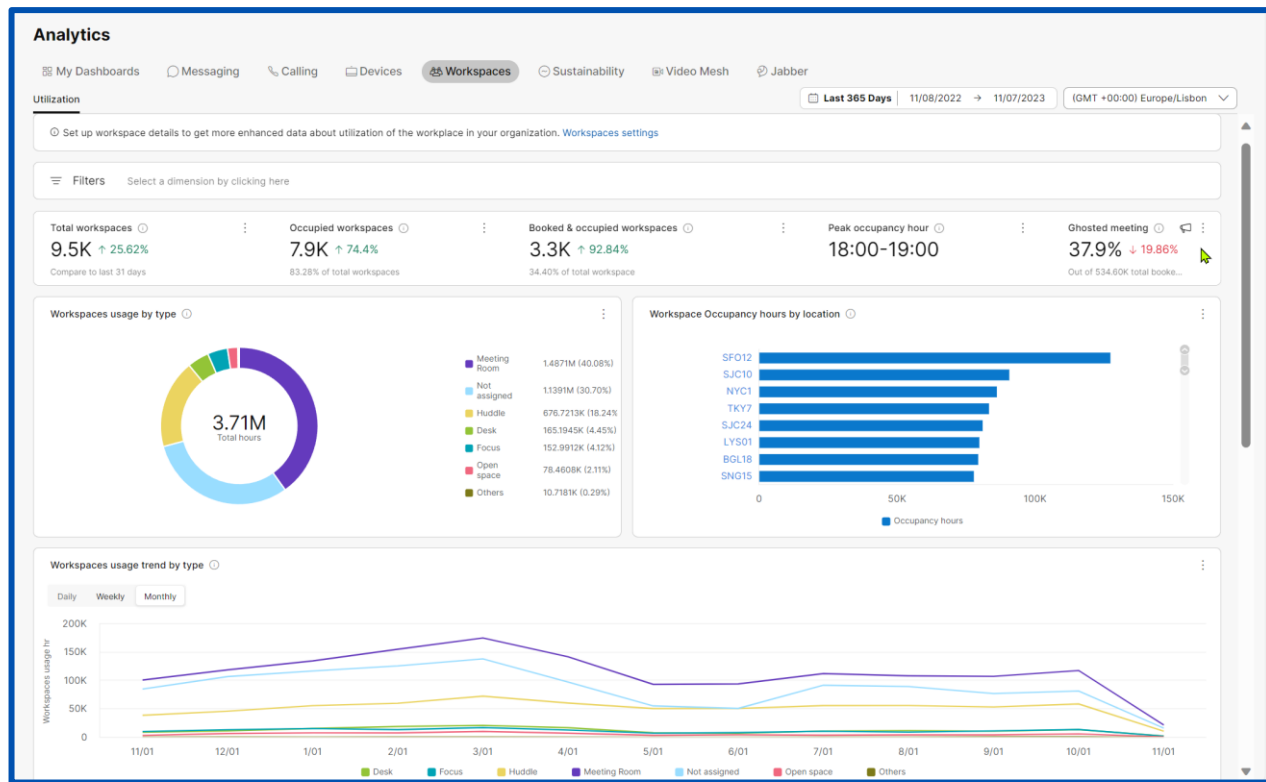
Enterprise Health and
Readiness Assessment;
Security and compliance
for office and home

***BRKCOL-2689 Control Hub for collaboration management and analytics*

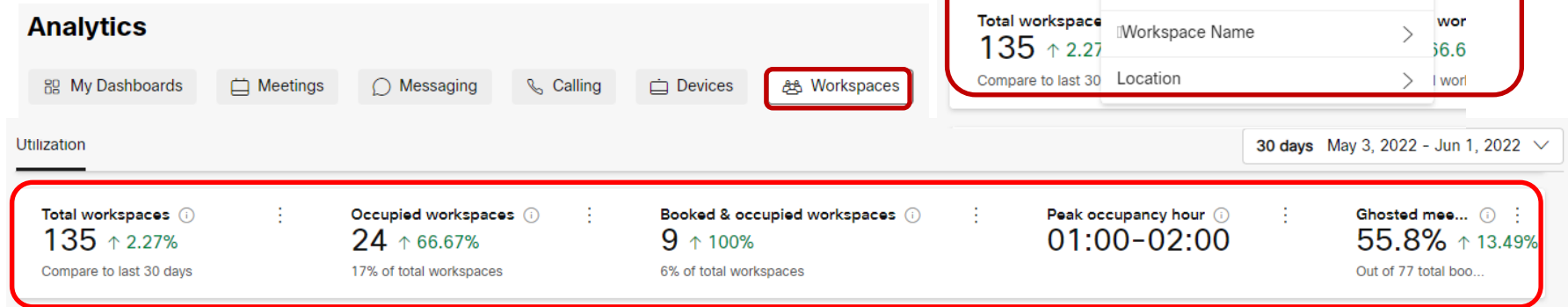
Workspace Analytics – All Devices Utilisation

Delivers Analytics for shared workspaces, where you can get information about different KPIs

- Workspaces usage by type
- Workspace Occupancy hours by location
- Workspaces details
- Booked workspaces meeting occupancy trend
- Peak occupancy hour
- Ghosted meeting

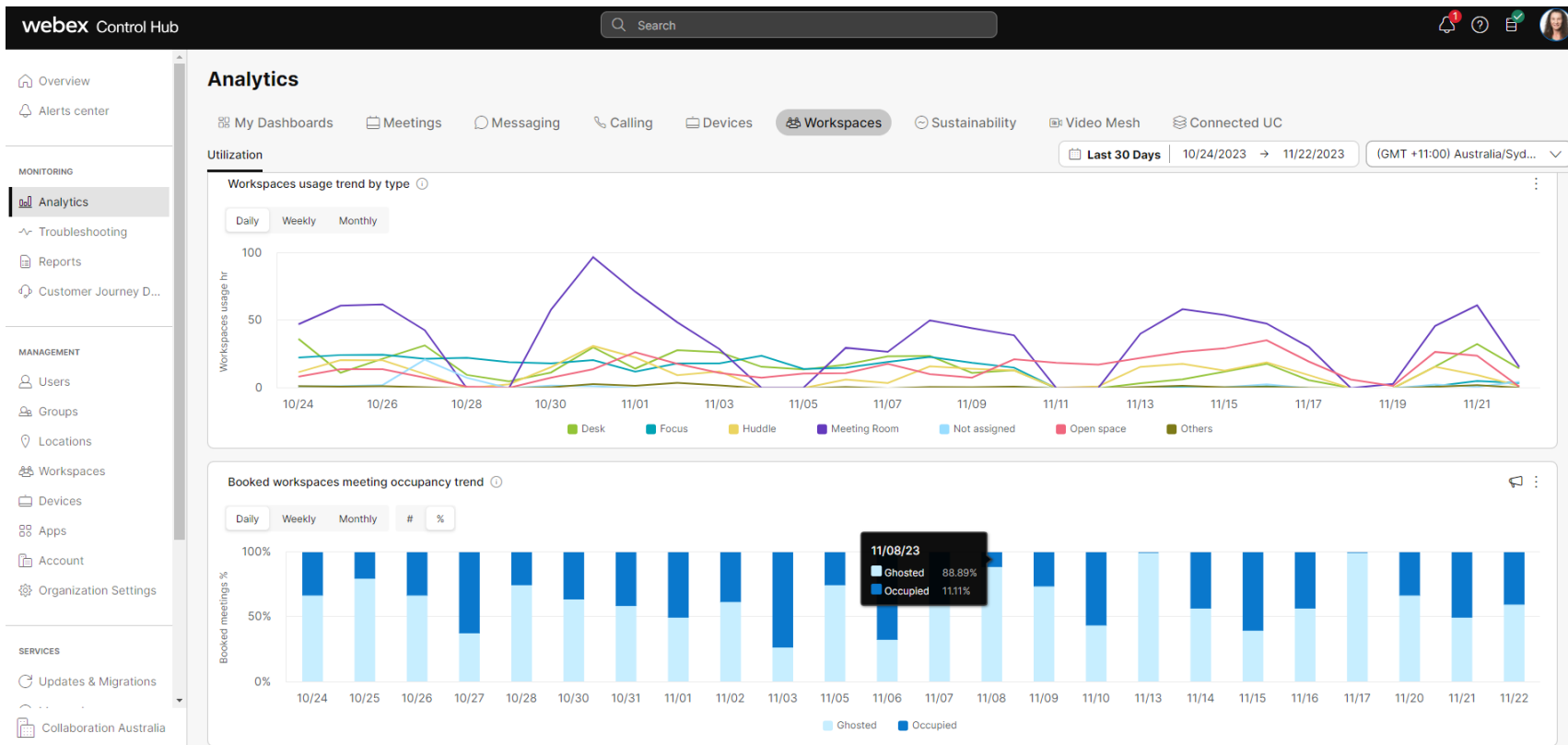


Workspace Usage Metrics



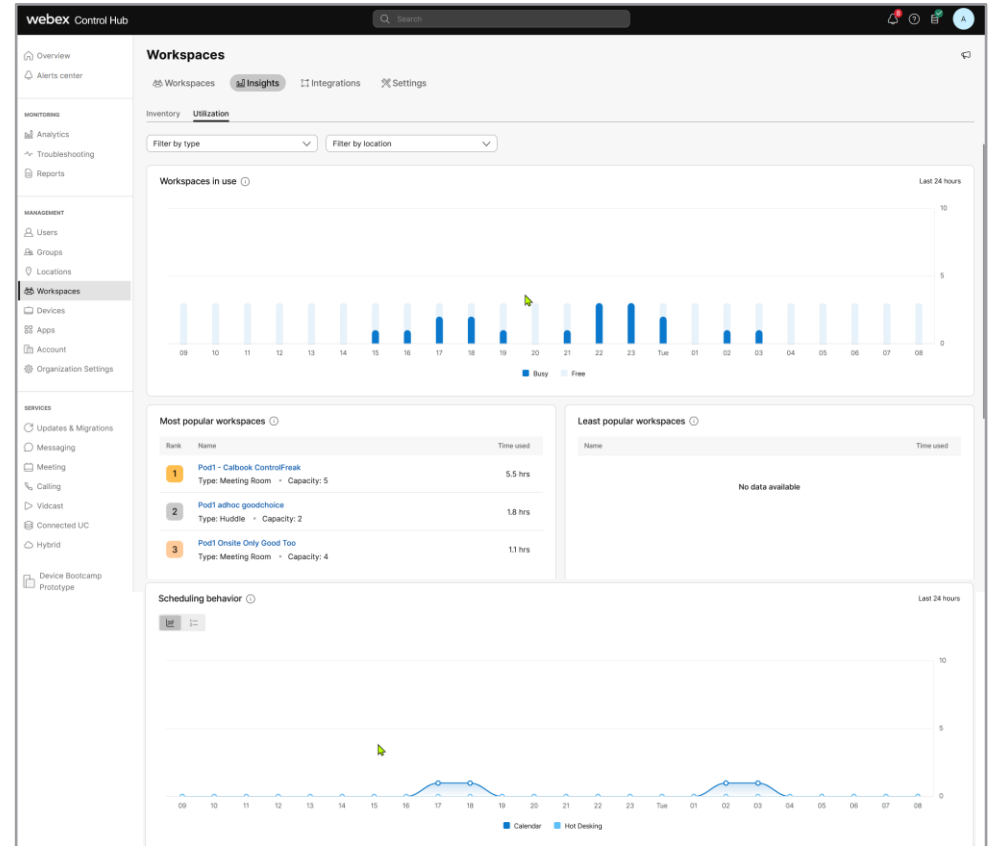
- **Occupied workspaces** – # of unique workspaces used over date range.
- **Booked & occupied workspaces** – # of unique workspaces scheduled via calendar and occupied during scheduled time
- **Ghosted meeting** – % of workspaces scheduled via calendar, but weren't occupied over date range.
- **Peak occupancy hour** – Most common hour workspaces occupied over date range

Workspace Analytics – Ghosted Workspaces



Workspace Insights Dashboard Utilisation

- Real-time view of spaces availability (busy or free)
- Top five workspaces ranking
- Understand workspaces usage (Scheduled or Adhoc / Hot Desking)

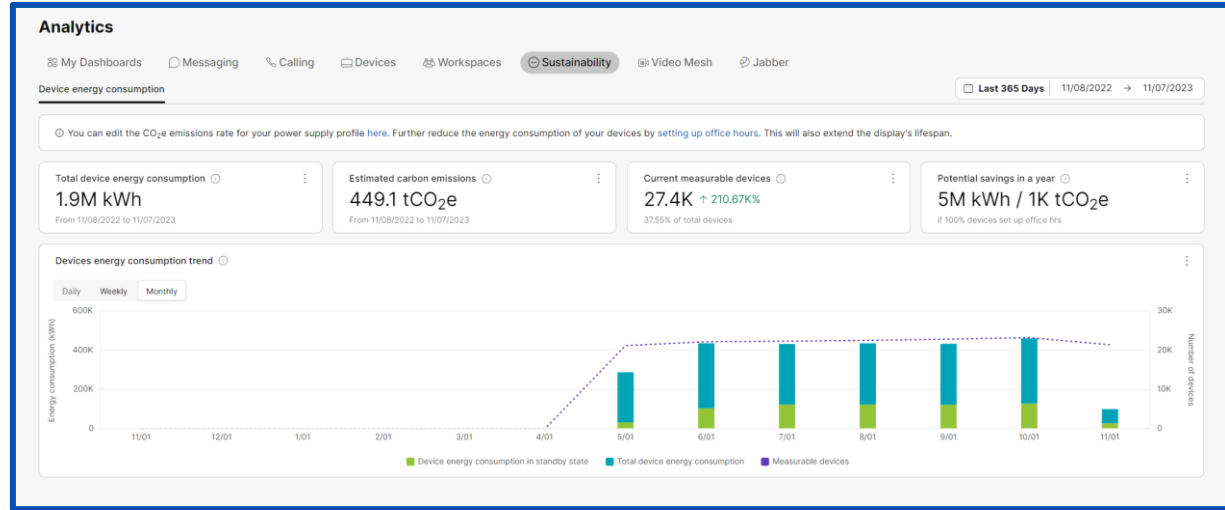


Sustainability Analytics

Energy consumption of devices
devices and resulting scope to
carbon emissions.

The following metrics are
available:

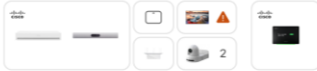
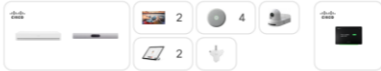
- Total device energy consumption
- Estimated carbon emissions
- Current measurable devices
- Potential savings in a year



Control Hub – New Workspaces View (beta)

An overview of your collaboration devices where you can monitor your workspaces, including third-party peripherals.

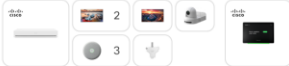
Ensure your workspaces are ready to go with actionable, real-time insights.

☐ Name	Location	Type	Capacity	Status	State ↓	Actions
☐ NYC Cloud team corner	Cisco Penn 1 New York	Meeting room	9	Free	Healthy	⋮
						Climate Now 21°C 40%
☐ SJC Auditorium	Cisco Building 10 San...	Auditorium	64	In meeting	Unhealthy	⋮
						Time used Last 24h 4.7 hrs
☐ OSL Quiet Space Booth	Cisco Norway	Meeting room	6	Free	Healthy	⋮
						Climate Now 21°C 40%
☐ ALT Sprint Space	Cisco Penn 1 New York	Meeting room	9	Free	Healthy	⋮
						Climate Now 20°C 32%
☐ NYC Cloud team corner	Cisco Penn 1 New York	Meeting room	9	Free	Healthy	⋮
						Climate Now 21°C 40%
☐ NYC Cloud team corner	Cisco Penn 1 New York	Meeting room	9	Free	Healthy	⋮
						Time used Last 24h 4.7 hrs

Coming Soon

Workspace
Utilisation status
indicates if
workspace is in use,

Workspace Health
status to help you
understand if a
workspace's
environment

☐	Name	Location	Type	Capacity	Status	State ↓
☐	NYC Cloud team corner 	 Cisco Penn 1 New...	Meeting room	9	Free	 Healthy
☐	Smart sustainable workspace 	 Mandalay Bay Las V...	Meeting room	64	In meeting	 Healthy
☐	OSL Quiet Space Booth 	 Cisco Norway	Meeting room	6	Free	 Unhealthy
☐	NYC Cloud team corner 	 Cisco Penn 1 New...	Meeting room	9	In call	 Healthy
☐	MTR Impact booth 	 Mandalay Bay Las V...	Meeting room	9	Free	 Healthy

Cisco Spaces – Spaces Management

Facilities & Real Estate

Space Occupancy & Utilisation:

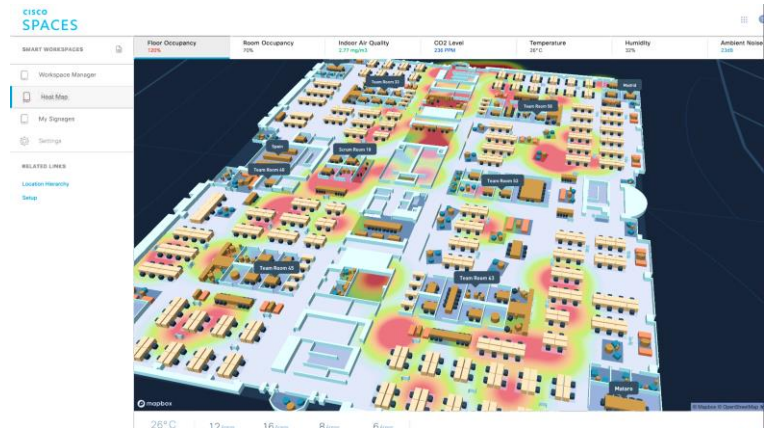
Real-time & historical metrics (building, floor, room, desk) for space optimization, facilities services and improving employee experience

Environmental & Energy Monitoring:

Real-time & historical metrics (Indoor Air Quality, Co2, temp, humidity, noise, energy and more) for a safer and sustainable workspace

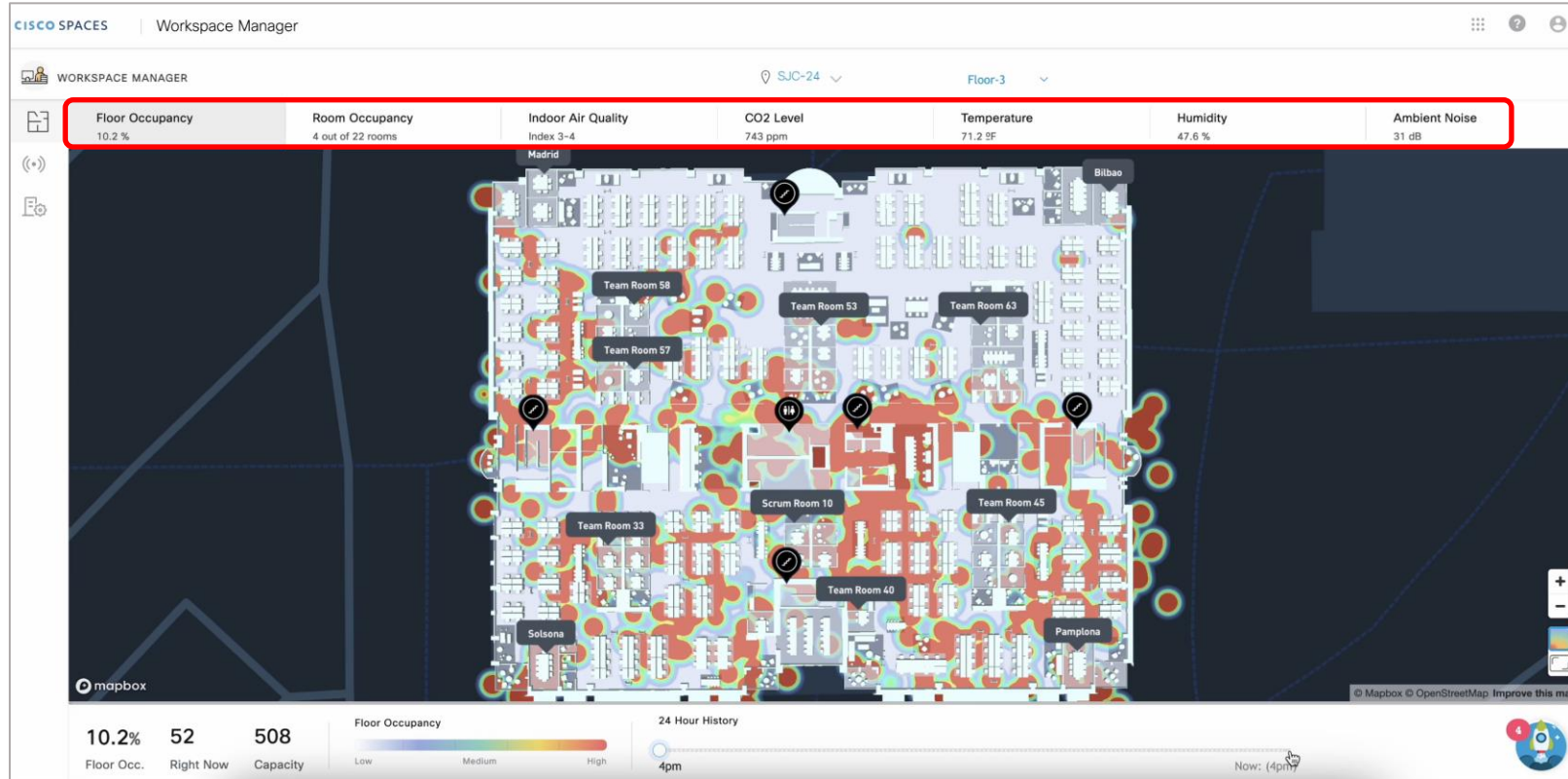
Extend to Enterprise systems:

Extend occupancy and environmental data to third party apps and data lakes



Cisco Spaces – Workspace Management

Space Manager App



SPACES MANAGER

Cisco London - Fl...

LON11 - Floor07

Floor Occupancy	Room Occupancy	IAQ ⓘ	TVOC ⓘ	CO2 Level	Temperature	Humidity	Ambient Noise
30 %	0 out of 16 occupied	Excellent	0.22 mg/m3	N/A	22 °C	64 %	32 dB



30%

Floor Occ.

30

Right Now

100

Capacity

24 Hour History

28th Jun, 13:00

21:18

28th Jun

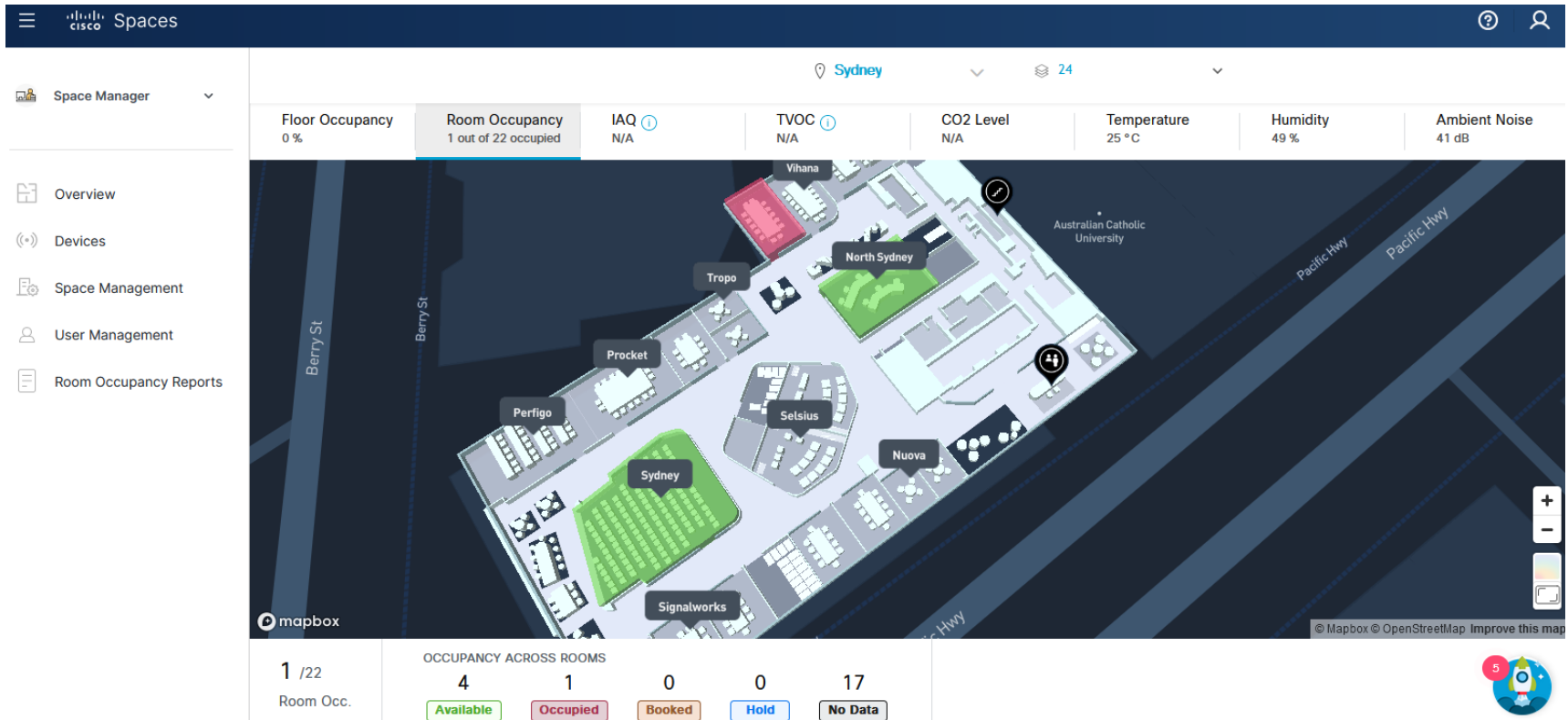
Floor Occupancy

Low

Medium

High

Space Manager – Room Occupancy



Space Utilisation (dashboard app)

COMING SOON

- Data Export
- People Count vs. Capacity metrics
- Historical Heat Map views
- Wireless, Webex, and IoT sensor in
- Portfolio down to Floor level real estate metrics
- People Hour Usage, Avg. & Peak people counts
- People Hours per square foot normalization metric

Occupancy pattern

Percentage of time are meeting rooms are used.

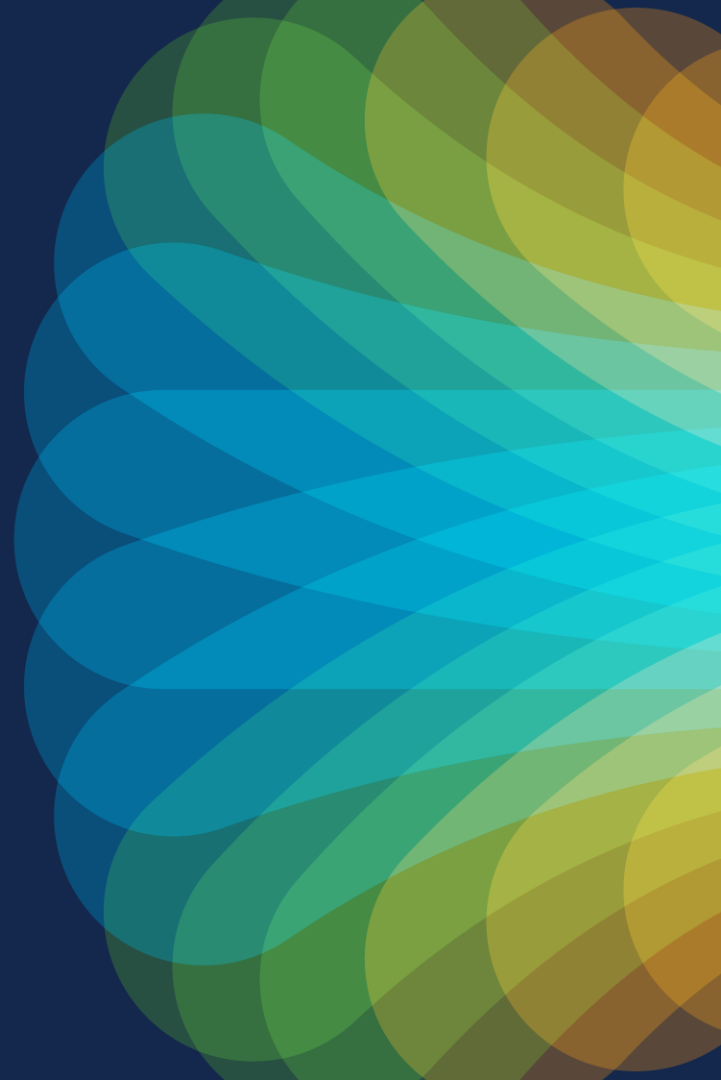
Meeting Room Capacity vs. Occupancy Matrix
Analyze utilization for meeting room capacity and actual occupancy

		Group Size			
		1-4 People	5-10 People	10+ People	Total
Room Size	Small (1-4 ppl) 5 rooms	10% (17 hr)	0%	0%	10% (17 hr)
	Medium (5-10ppl) 4 rooms	50% (85 hr)	9% (15 hr)	2% (4 hr)	61% (104 hr)
	Large (10+ ppl) 3 rooms	10% (17 hr)	4% (8 hr)	14% (21 hr)	29% (46 hr)
	Total: 12 rooms	70% (129 hr)	13% (23 hr)	16% (25 hr)	100% (167 hr)

	Occupied/Not Occupied	
	Occupied	Available
Booked	15% (Reservation)	10% (Ghost)
Not Booked	45% (Ad hoc)	30% (Idle/Empty)



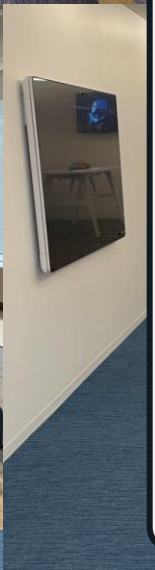
Cisco Case Study

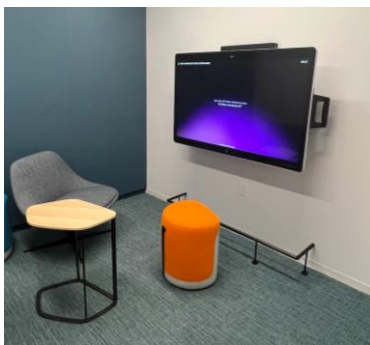
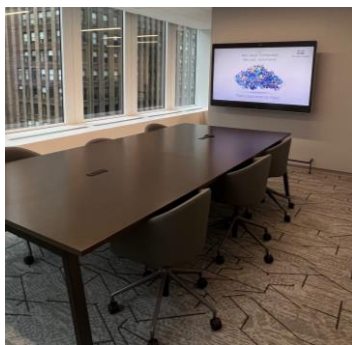
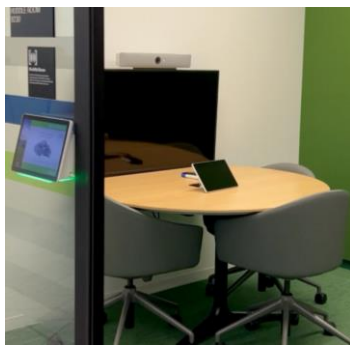
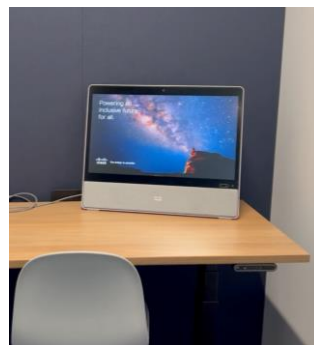




SUPPORT HYBRID WORK

	BEFORE	AFTER
INDIVIDUAL SPACES	70%	30%
COLLABORATION SPACES	30%	70%
# INDIVIDUAL WORKSTATIONS	141	50
# PERSONAL OFFICES	55	×
# INDIVIDUAL FLEX SPACE	38	228
# BOOKABLE VIDEO SPACES	16	14
# NON-BOOKABLE VIDEO SPACES	2	72
INCREASE IN VIDEO ENABLED SPACES		400%



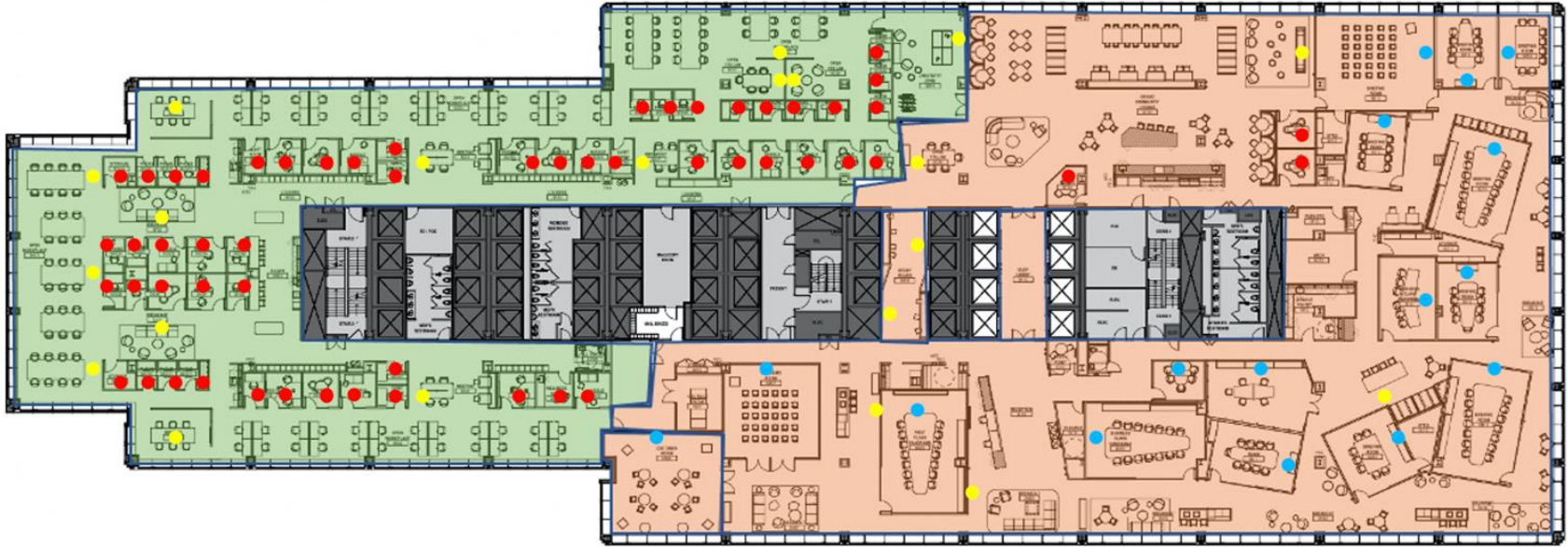


Employee / Private

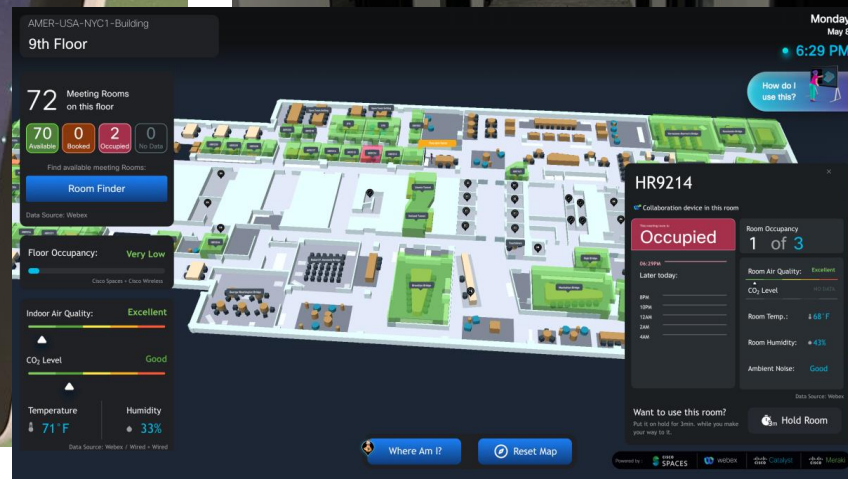


Customer / Public

Only blue dot (large rooms can be booked)



Adhoc Space Use and Visibility





ATL TECH SQUARE

KEY DATES	
GROSS FT ²	2019
62k	CODA BUILDING BUILT
USABLE FT ²	OCT 2021
49k	PROJECT START
	FEB 2023
	PHASE 1 COMPLETION

KEY PARTNERS	
Georgia Tech	OWNER
WT	GENERAL CONTRACTOR
CALLISONRTKL	ARCHITECT
FAITHFUL+GOULD	PROJECT MANAGER
DBS EoS	TECHNOLOGY DESIGN & INSTALL

FURNITURE
office revolution
Primary interiors / furniture partner
SALAMANDER DESIGNS
Infiniti Table, Mobile Carts, Credenzas
tekion
PoE Desks

EMPLOYEE DEMOGRAPHICS	
~1.1k	METRO ATLANTA
+700	NEW HIRES OVER NEXT FIVE YEARS

SUPPORT HYBRID WORK

SPACE BREAKDOWN

HOT DESKS + TOUCHDOWNS 87 10%

COLLABORATION SEATING ~450 55%

FLEX SEATING ~270 35%

TOTAL SEATS ~800

VIDEO ENABLED COLLAB SPACES 115 80% 20%

VIDEO ENABLED HOT DESKS 74 100% 0%

PERSONAL OFFICES



COLLAB SPACES VIDEO ENABLED 100%

CORPORATE SUSTAINABILITY

CISCO NET ZERO GOAL BY YEAR

2040
100%
PoE

BASE ARCHITECTURE (lighting, shading, environmental controls, IoT Sensors)



REDUCED EMBODIED CARBON



SUSTAINABLY SOURCED MATERIALS



RE-USED FURNITURE 20%



RECYCLING/ WASTE ELIMINATION



*in progress



PAPER-LESS OFFICE / CLEAN DESK POLICY

EMPLOYEE HEALTH & WELLNESS



MAXIMIZE NATURAL DAYLIGHT



THERMAL COMFORT



MEASURE & DISPLAY AIR QUALITY



HEALTHY SNACKS



LIVING WALL & NATIVE PLANTS



SIT / STAND DESKS



REFLECTION & GAME ROOMS, OUTDOOR PATIO



DIGITAL SIGNAGE & ALERTS (APPSPACE)



*in progress

756 West Peachtree Street North... Very Walkable

Walk Score 89

Transit Score 65

Bike Score 76

Walk Score

DIGITIZE CISCO REAL ESTATE

DATA POINTS BEING HARVESTED

~8000

Meraki

Floor occupancy (macro floor plate load)

webex by CISCO

People count, Ambient noise, Temp, Humidity, TVOC

Mecho

Shade pocket temperature and light levels

molex

Occupancy, Temp, Humidity, TVOC, CO₂



2600 Network Ports 60% OT / 40% IT

Power Consumption



64 WiFi Access Points

Occupancy, Temp, Humidity, TVOC



Smart Buildings cloud platform to ingest the sensor data

Enabling a Smarter Hybrid Workplace



Curated
Experiences



User
Experience



AI enablement
and Interop



Automation &
Optimization

CISCO *Live!*

#CiscoLiveAPJC

BRKCOL-2265

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CISCO *Live!*

Did you know?

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one-on-one session with
a technical expert!

Visit Meet the Expert in The HUB
to meet, greet, whiteboard & gain
insights about your unique questions
with the best of the best.



Meet the Expert Opening Hours:

Tuesday	3:00pm – 7:00pm
Wednesday	11:15am – 7:00pm
Thursday	9:30am – 4:00pm
Friday	10:30am – 1:30pm

Session Surveys

We would love to know your feedback on this session!

- Complete a minimum of four session surveys and the overall event surveys to claim a Cisco Live T-Shirt



Continue your education



- Visit the Cisco Showcase for related demos
- Book your one-on-one Meet the Expert meeting
- Attend the interactive education with DevNet, Capture the Flag, and Walk-in Labs
- Visit the On-Demand Library for more sessions at www.CiscoLive.com/on-demand



The bridge to possible

Thank you

CISCO *Live!*

#CiscoLiveAPJC

The background features a vibrant, multi-colored abstract design. On the left, there are horizontal, wavy bands of color in shades of red, orange, yellow, and green. On the right, a bright white light source emits a series of colorful rays in shades of blue, green, and yellow, creating a sunburst effect.

cisco *Live!*

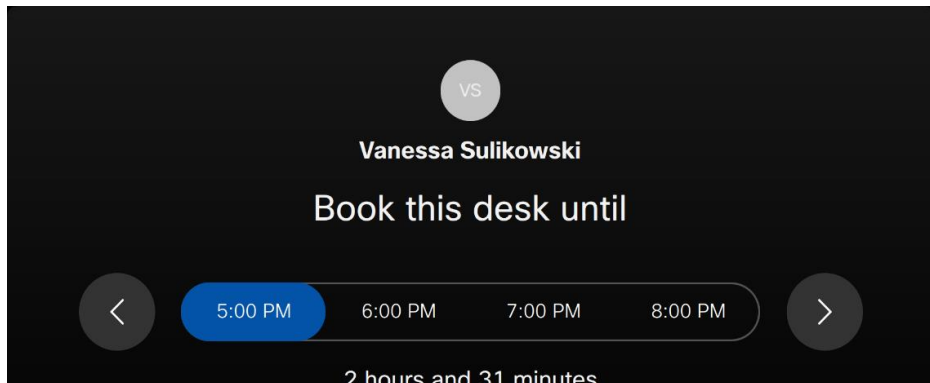
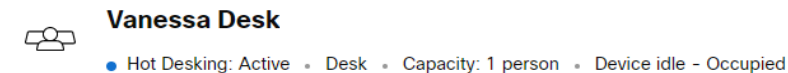
Let's go

#CiscoLiveAPJC

Appendix

Appendix – Hot Desking Notifications

Webex Desk Device Hot Desking (QR-Code or USB-C)



Overview Configurations

Devices

Cisco Webex Desk

Online

Software Upgrade Channel Latest

Real-Time Utilization Metrics

Devices	● Idle	Hot Desking	● Active
Occupied	Yes	Booked	14:30 - 17:00
Occupants	Not available	Paired Apps	1

Booking Settings, Notifications and OBTP

Desk booked
Vanessa is signed in until 16:00

Vanessa Sulikowski
Signed in until 17:00

Vanessa Sulikowski
vsullkow@cisco.call.ciscospark.com
Active

- Do not disturb
- Update status
- Extend booking
- Sign out

Join

One button to push on any meeting type for non scheduled spaces

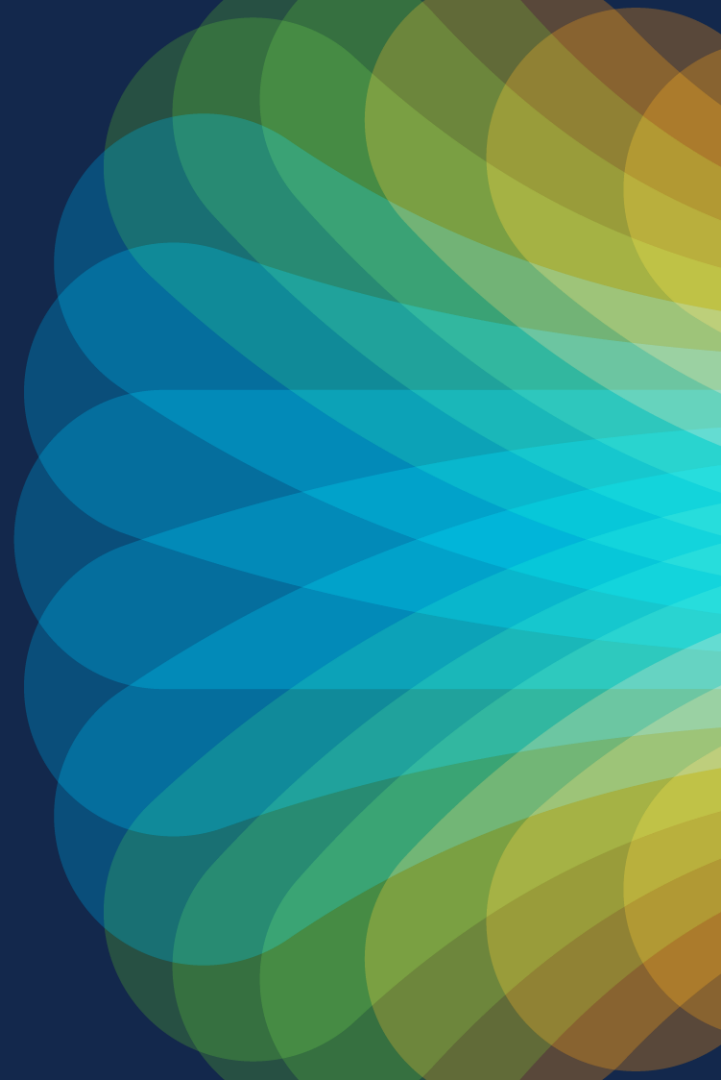
Zoom Meeting
Organized by Vanessa Sulikowski
15:30 - 16:00

Join

Call **Whiteboard** **Files**
Join Webex **PC Input** **Wireless Sharing**
Tips **Google Meet** **Webex WB**

Your desk booking will end soon **+1 hour**

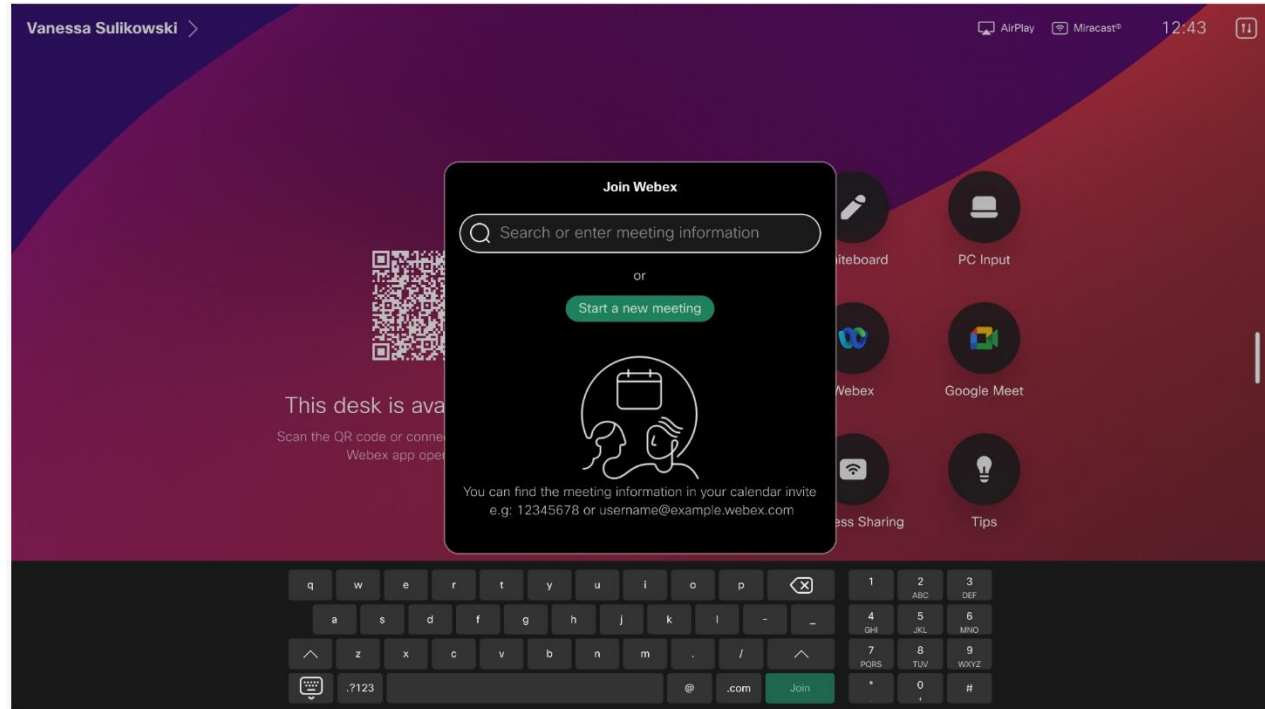
Appendix – Device Initiated Meetings



Device Initiated Instant Webex Meetings

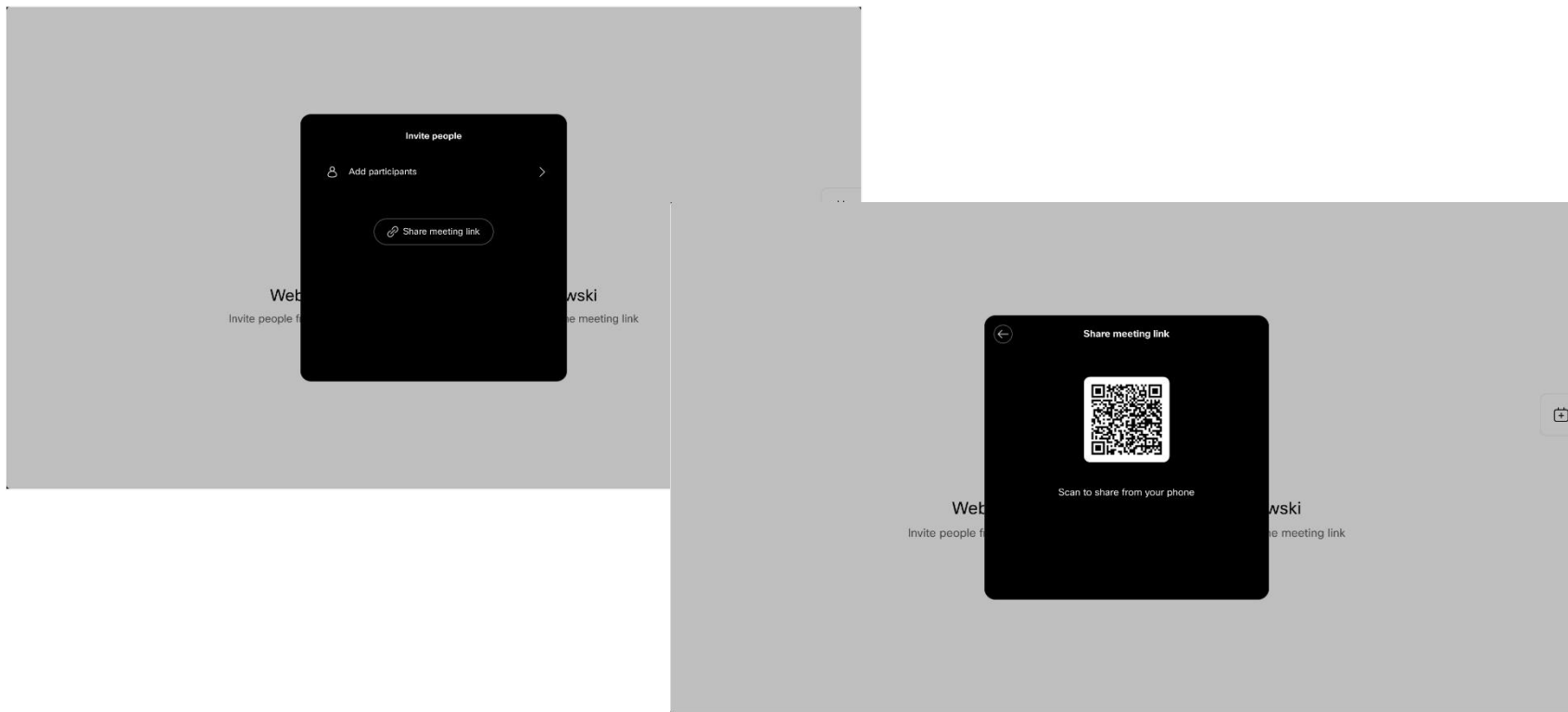
Walk into any
available room
and instantly
start a meeting

start a virtual
meeting in any
physical
meetings...



Instant Meetings

Add participants manually or share link



Enable Device Hosted Meetings

webex Control Hub Search

Vanessa Sulikowski Overview Scheduling Meetings Actions

Overview Alerts center

MONITORING

- Webex Experience
- Analytics
- Troubleshooting
- Reports

MANAGEMENT

- Users
- Groups
- Locations
- Workspaces**
- Devices
- Apps
- Account
- Organization Settings

SERVICES

- Updates & Migrations
- Collaboration Australia

Software upgrade channel Latest

Lock settings on touch devices Off

Pair device Edit API access Add device

Calling

Call on Webex (1:1 call, non-PSTN)

Cisco Webex SIP Address vanessa_sulikowski01@collabau.rooms.webex.com

Meetings New

Device hosted meetings

Start meetings directly from the device without using the Webex app.

Enable device hosted meetings

Scheduling

Hot desking is enabled for this workspace.

Real-Time Environmental Metrics

Sound Level	49 dBA	Temperature	21/69 °C/°F
Ambient Noise	33 dBA	Relative Humidity	78%
		Air Quality (TVOC)	Not available

Location

Sydney - Other

Sydney NSW, Australia

Map showing locations in Sydney, Australia, including George Place, Theatre Royal Sydney, Reserve Bank of Australia, Travelodge Hotel Sydney Martin Place, Bared Footwear Sydney, Shoe store, St. James Church, Koko Black, Pitt Street Mall, and The Strand Arcade.

Enable Device Hosted Meetings and Webex Site

The screenshot shows the Cisco Webex Control Hub interface. The top navigation bar includes the 'webex Control Hub' logo, a search bar, and user profile information. The left sidebar lists navigation options: Overview, Alerts center, MONITORING (Webex Experience, Analytics, Troubleshooting, Reports), and MANAGEMENT. The main content area is titled 'Workspaces' and shows the profile of 'Vanessa Sulikowski' with 'Focus' and 'Capacity: 1 person'. Below the profile, the 'Meetings' tab is selected. The 'Meetings' section contains a checkbox labeled 'Enable meetings hosted on the device', which is currently unchecked. Below this checkbox is a 'Site' dropdown menu with the text 'Select site...'.

This screenshot shows the same Cisco Webex Control Hub interface, but with the 'Enable meetings hosted on the device' checkbox checked. The 'Site' dropdown menu is now populated with the value 'collabau.webex.com'. At the bottom of the interface, there is a dark blue bar with 'Cancel' and 'Save' buttons.

Enable Multiple Workspaces - Device Hosted Meetings

Bulk Configure Workspaces

Selected Workspaces

2

×

Configure

Review

Apply

Workspace Settings

Type

Capacity

Software upgrade channel

Meetings

Device hosted meetings

Enable

Device hosted meetings

Select

×

Clear

Site

Site

Select

collabau.webex.com

Next

Appendix – Macro Enablement

Enable Macro management in control hub

Devices

 Devices

 Templates

 Settings

 Software

 My alerts

 Resources

Customize support information

A short custom text can be applied to devices to help guide end-users. This will show up on the bottom left of the main screen when the device is awake. Refer to the [Add Custom Notification article](#) to find out about compatible devices.

For RoomOS devices, any UserInterface > CustomMessage value set in Device Configurations will take precedence over the “No custom support text” and “Define a custom support text for all devices” options selected here.

[See examples](#)

☒ Allow all devices to be edited individually, using Device Configurations, xAPI, or Local Device Controls

☐ No custom support text

☐ Define a custom support text for all devices

Macros

Control Hub management and provisioning of macros.

 Allow Control Hub to manage macros

Upload existing macros from devices in your organization to Control Hub, so they can be managed from the cloud.

If enabled, Room, Board and Desk series devices in shared mode will upload their macros to Control Hub. Control Hub administrators may then edit macro source code, download local copies, and upload them to other devices. Devices in [personal mode](#) do not upload their macros to Control Hub due to privacy reasons.

Enable / Manage Macros on Device

The screenshot shows the Cisco Webex Control Hub interface. At the top, there's a header with 'webex Control Hub', a search bar, and user profile information. Below the header, the 'Cisco Desk Pro' section is active. On the left, a 'Configurations' sidebar lists various settings: 'All configurations' (408), 'Configuration templates', 'Digital signage' (Enabled), 'Navigator persistent web app' (Enabled), 'Web apps' (0), and 'Macros' (Off). The 'Macros' option is highlighted with a red rectangular box.

The screenshot shows the 'Macros' management page for a device. The header indicates 'Cisco Desk Pro' and 'Vanessa Office' is 'Offline'. The main content area displays a message: 'No macros added to the device. Add macro by uploading a JavaScript file.' Below this message, an 'Add macro' button is highlighted with a red rectangular box.

The screenshot shows the 'Macros' management page for a device, now with one macro listed. The header indicates 'Cisco Desk Pro' and 'Vanessa Sulikowski' is 'Online'. The main content area explains that macros are JavaScript code snippets that run on the video device. Below this, there's a search bar and a table of macros. The table has columns for 'Name', 'Status', 'Change', and 'Diagnostics'. One macro, 'CameraControl', is listed with a status of 'Enabled' (indicated by a blue toggle switch).

Name	Status	Change	Diagnostics
CameraControl	Enabled		

Smart Workspaces Telemetry Mapping

Environmental Metrics

On by default on supported devices

webex Control Hub

Search

Overview Alerts center

MONITORING

Webex Experience Analytics Troubleshooting Reports

MANAGEMENT

Users Workspaces Devices Apps Account Organization Settings

SERVICES

Updates & Migrations Messaging Meeting Calling Connected UC TeamSync Bookmarks

Workspaces

Workspaces Locations Beta Integrations Settings

Search Select filters Select locations 10 Workspaces in total

Select one or more workspaces for bulk actions

Name	Type	Contains	Scheduling	Calling
BGL25-7-ORION	Meeting Room		None	Call on
BGL25-7-SIRIUS	Meeting Room		None	Call on
Lucas Office	Desk		None	
QA WorkSpace	Focus		None	
SFO12-4-Hot Desk-G7-20	Desk	Cisco Webex Desk Camera, Cisco...	Hot Desking	
SJC19-DNA Spaces Lab	Open Space	Cisco Webex Board 70, Cisco We...	Calendar (Microsoft	
SJC19-DNA Spaces Lab 2	Meeting Room		None	
TEST	Not selected		None	
Tony BGL 25 Test	Meeting Room	Cisco Webex Board 55	None	
Vikas Home	Desk	Cisco Webex Desk Pro	None	

Anchor Steam

Collaboration device in this room

This meeting room is: **Occupied**

11:37AM

Later today:

12PM Booked

2PM

4PM

6PM

8PM

Room Occupancy: **1 of 12**

Room Air Quality: **Excellent**

CO₂ Level: **NO DATA**

Room Temp.: **68°F**

Room Humidity: **32%**

Ambient Noise: **Quiet**

Data Source: Webex

Want to use this room?

Put it on hold for 3min. while you make your way to it.

Hold Room

Real-Time Utilization Metrics

Devices: Idle, Occupied, Occupants

Booked: No

Paired Apps: 0

[View details](#)

Real-Time Environmental Metrics

Sound Level: 36 dBA

Ambient Noise: 34 dBA

Temperature: Not available

Relative Humidity: Not available

Air Quality (TVOC): Not available

[View details](#)

Webex Workspaces Capacity Setting

webex Control Hub

Search

Overview Alerts center MONITORING Webex Experience Analytics Troubleshooting Reports MANAGEMENT Users Workspaces Devices Apps Account Organization Settings SERVICES Updates & Migrations Messaging Meeting Calling Connected UC

Workspaces

SJC19-DNA Spaces Lab

Open Space Capacity: 6 people Device idle - vacant

Overview Configurations

Devices

- Cisco Webex Board 55 Online
- Cisco Webex Board 70 Online

What is Companion Mode?

Software Upgrade Channel

Lock Settings on Touch Devices

Calling

Edit Workspace

Name *
What do you want to name the Workspace?
SJC19-DNA Spaces Lab

Type ①
What type best describes the Workspace?
Meeting Space

Capacity
How many people is the Workspace suitable for?
6

Avatar ①
Do you want to use a custom avatar for the Workspace?
Upload image

Types of Workspaces
Workspaces come in different shapes and sizes, defining what type of workspace you are adding will help us deliver insights into adoption and usage, in the future defaults for certain types may exist

Open Space
Unstructured agile | Capacity 2-100

Cancel Save

Anchor Steam

Collaboration device in this room

This meeting room is: **Occupied**

Room Occupancy: 1 of 12

Room Air Quality: Excellent

CO₂ Level NO DATA

Room Temp.: 68°F

Room Humidity: 32%

Ambient Noise: Quiet

Data Source: Webex

Want to use this room?
Put it on hold for 3min, while you make your way to it.

Hold Room

People Presence Detector

Occupancy Status – separate to booking status

The image shows a configuration interface for the 'People Presence Detector' on a 'Cisco Webex Board 70'. The configuration table has the following data:

Device type	Configuration value	Cisco default	Clear
Cisco Webex Board 70	On	☒ Default ⓘ Value: Off	

A red box highlights the 'On' value in the 'Configuration value' column. A red arrow points from this box to a room analytics overlay titled 'Anchor Steam'. The overlay shows the room status as 'Occupied' (1 of 12 occupancy), a booking timeline for 'Later today' (12PM, 2PM, 4PM, 6PM, 8PM), and various room metrics: Room Air Quality (Excellent), CO2 Level (NO DATA), Room Temp. (68°F), Room Humidity (32%), and Ambient Noise (Quiet). A 'Hold Room' button is also visible.

All Configurations -> Room Analytics -> People Presence Detector

Enable People Count Out of Call

For Room Occupancy whenever people present

People Count Out Of Call

People Count Out Of Call

Device type	Configuration value	Cisco default	Clear
Cisco Webex Board 70	<div>On</div>	☐ Default ⓘ Value: Off	

Anchor Steam

Collaboration device in this room

This meeting room is: **Occupied**

Room Occupancy: **1 of 12**

11:37AM

Later today:

12PM Booked

2PM

4PM

6PM

8PM

Room Air Quality: **Excellent**

CO₂ Level: **NO DATA**

Room Temp.: **↓ 68°F**

Room Humidity: **+ 32%**

Ambient Noise: **Quiet**

Data Source: Webex

Want to use this room?
Put it on hold for 3min. while you make your way to it.

Hold Room

All Configurations -> Room Analytics -> People Count Out of Call

Ambient Noise Estimation

The image shows two parts of the Cisco Webex interface. The top part is a configuration panel for 'Interval' and 'Mode' settings for a 'Cisco Webex Board 70'. The 'Interval' section has a 'Configuration value' of 10 (highlighted with a red box) and a 'Cisco default' of 60. The 'Mode' section has a 'Configuration value' of 'On' (highlighted with a red box) and a 'Cisco default' of 'Off'. Two red arrows originate from these boxes: one points to the 'Ambient Noise' field in the room analytics overlay, and the other points to the 'Hold Room' button. The bottom part is a room analytics overlay for 'Anchor Steam', showing 'Occupied' status, 'Room Occupancy 1 of 12', 'Room Air Quality: Excellent', 'Room Temp.: 68°F', 'Room Humidity: 32%', and 'Ambient Noise: Quiet'. A 'Hold Room' button is also visible.

Interval

Interval

Device type

Configuration value

10

Cisco Webex Board 70

60

Cisco default

Default

Value:

Mode

Mode

Device type

Configuration value

Cisco Webex Board 70

On

Cisco default

Clear

Default

Value: Off

Anchor Steam

Collaboration device in this room

This meeting room is: **Occupied**

Room Occupancy: **1 of 12**

Room Air Quality: **Excellent**

CO₂ Level: **NO DATA**

Room Temp.: **68°F**

Room Humidity: **32%**

Ambient Noise: **Quiet**

Want to use this room?

Put it on hold for 3m while you make your way to it.

Hold Room

All Configurations -> Room Analytics -> Ambient Noise