

CISCO *Live!*

GO BEYOND

#CiscoLiveAPJC





Enabling smarter hybrid workplaces

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Collaboration Technology Group
BRKCOL-2265

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 November 15, 2024.



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

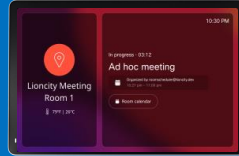


Hybrid Workplace Technology and Use Cases

Smart
Workspace
Visibility



Space
Usage and
Management



Occupancy
Metrics and
Analytics



Network
enabled
as a
Sensor



Intelligent
Seamless
Collaboration



Environmental
and Wellness
Metrics



PoE
Applications



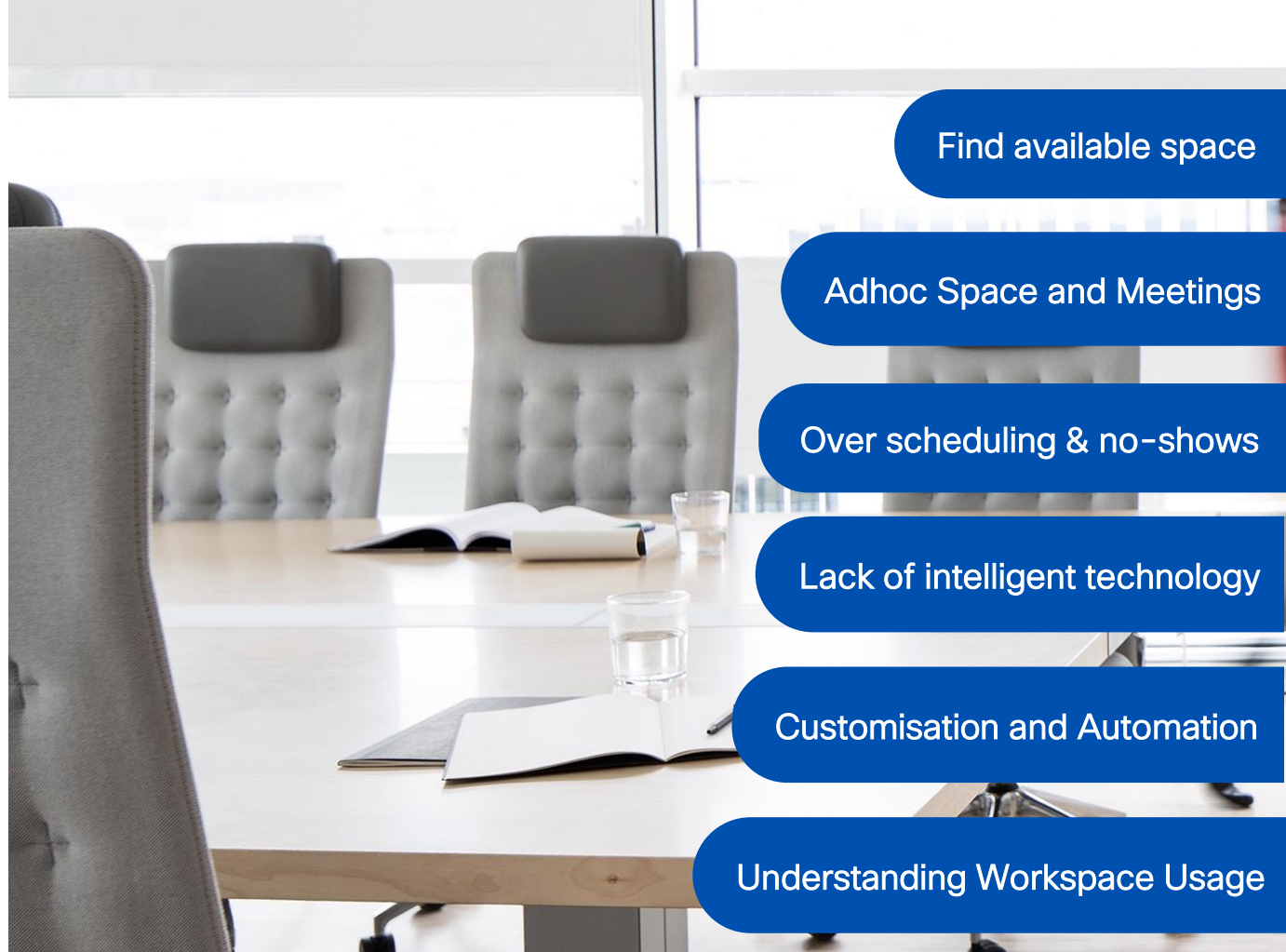
Workspace
Types and
Automation



Sustain-
Ability and
Energy
management



Frictions and Challenges in today's Hybrid Workplace



Find available space

Adhoc Space and Meetings

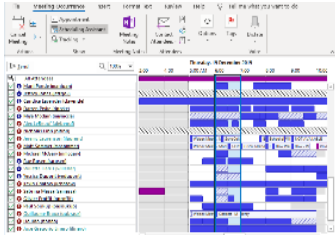
Over scheduling & no-shows

Lack of intelligent technology

Customisation and Automation

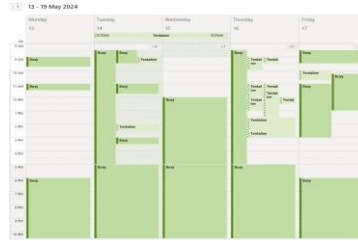
Understanding Workspace Usage

Room Booking and Space Visibility Challenges



Ghosted Rooms

Rooms booked
and not used



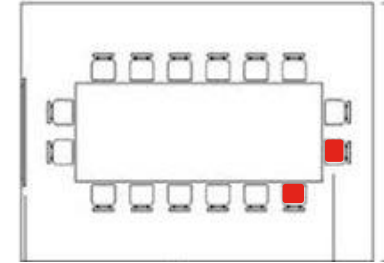
Over Scheduled

Booked for 2-3
hrs but only use
for 45 mins



Multiple Rooms

Booked multiple
rooms just in case
need overflow



Under Utilisation

Medium to Large
rooms used by only
one or two people

If use calendar alone to manage rooms how do you know which is free?

The Tech.. enabling Smarter Workspaces

Techniques and Technology working together



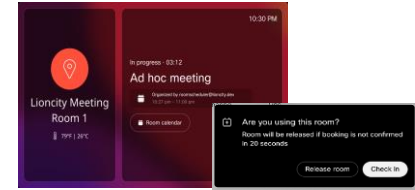
Purposeful and Intelligent Workspaces



Room Automation and Customisation



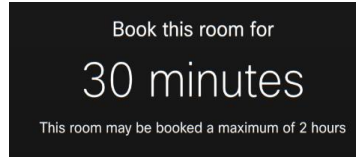
Space Occupancy and Environmental Visibility



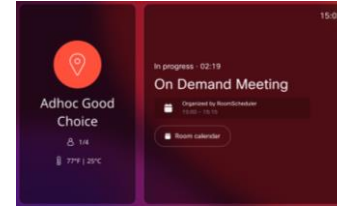
Smarter Room Booking with Automation



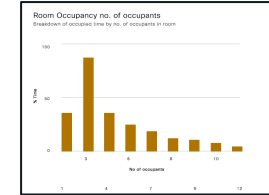
Adhoc Space Usage



Workspace Booking Policy



Room Status Visibility



Detailed Workspace Analytics and Insights

TECHniques



TECHnology

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

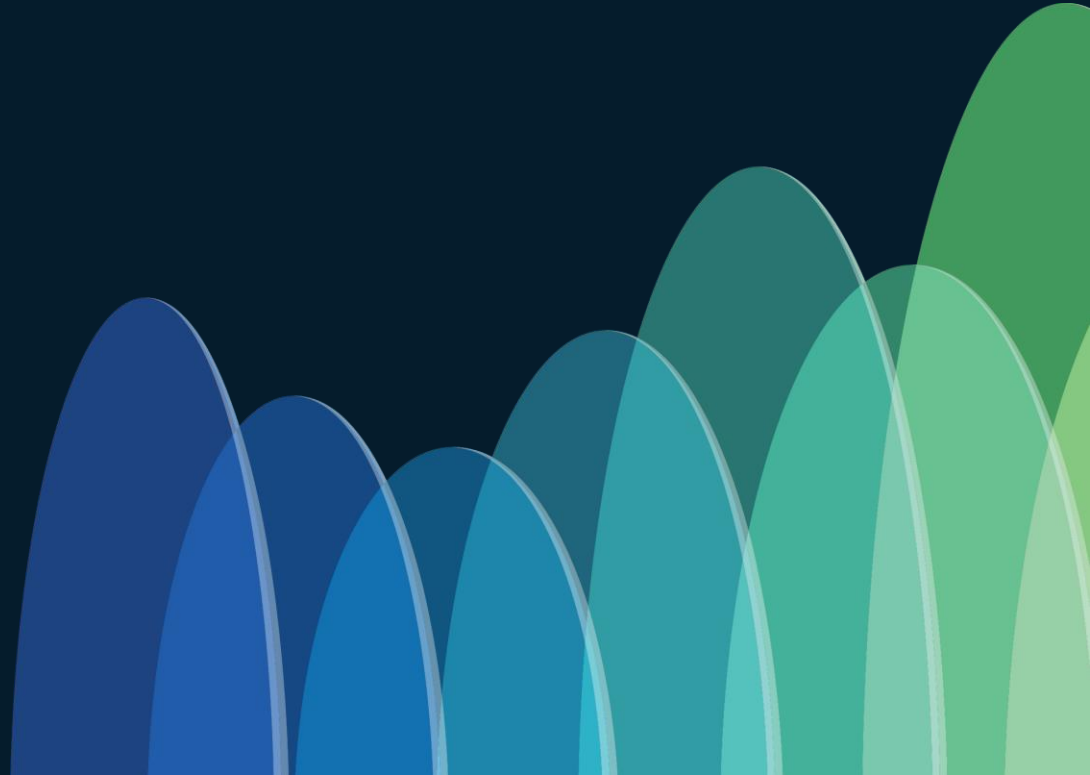


Seamless Hybrid Meetings



Workspace Visibility, Management and Analytics

Office / Floor Entry and Exit



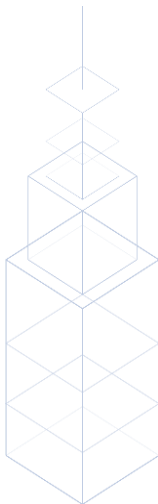
Intelligent Office Arrival Experiences

Meraki and Catalyst
Networking

Meraki
Cameras and
Sensors



Cisco Devices
and Sensors



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

SPACE VISIBILITY
/ WAYFINDING

SURVEILLANCE /
OCCUPANCY

CONNECTIVITY /
SENSING



KIOSK / DIGITAL SIGNAGE

AI Virtual TripWire Line Crossing



Analyse footfall patterns to understand entry/exit time



Monitor workplace usage hours and patterns

Purpose built app

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

Edge AI/ML

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



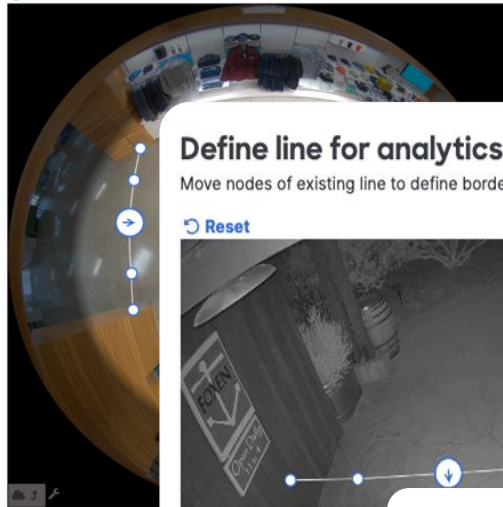
Advanced People Counting – Meraki MV93

cisco Live!

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](#)



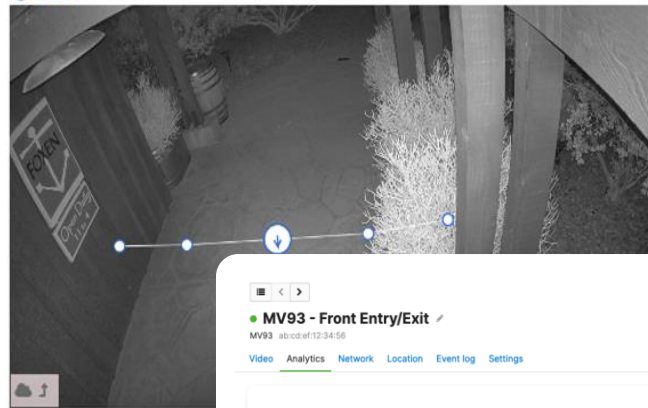
Title:

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

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

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

[Create Area](#)

[Create Line](#)

12 hrs 2022-12-01 → 2022-12-05

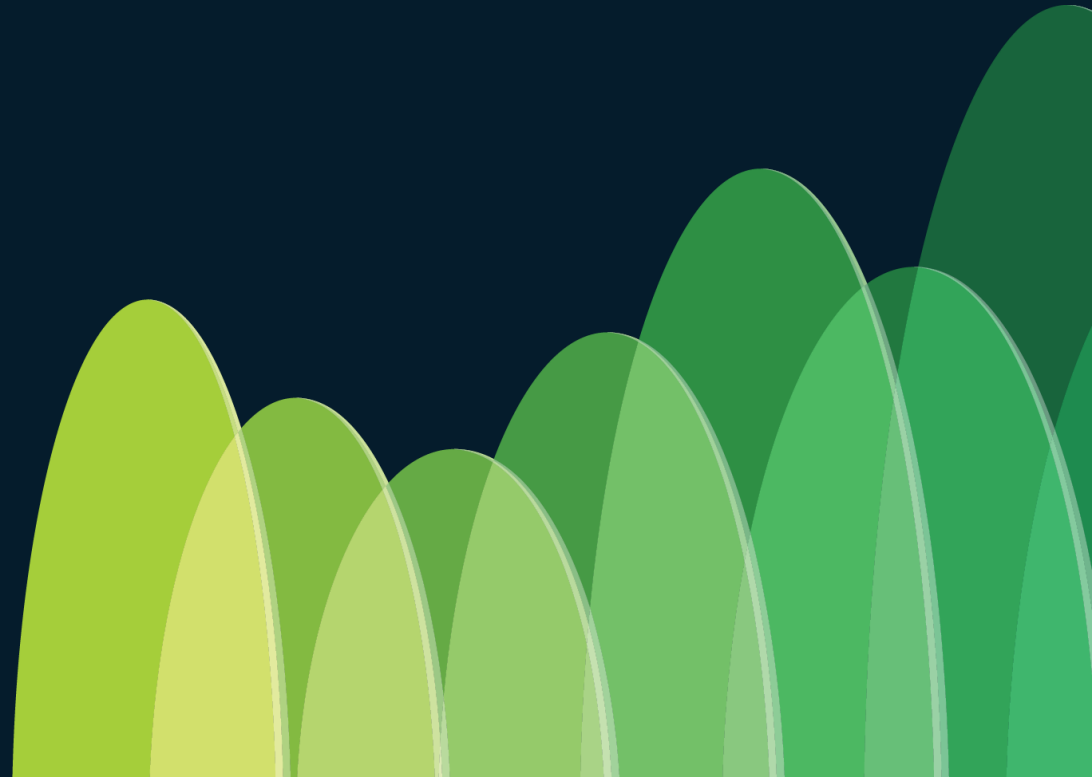
[Edit](#) [Delete](#)

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 Visibility



Enabling Smarter Workspaces

Workplace Experience Applications

Space Occupancy & Utilisation:

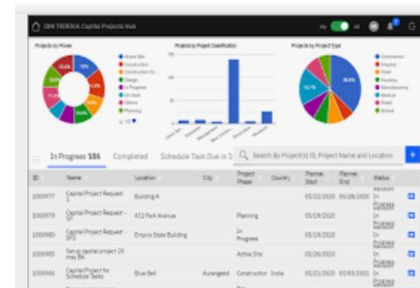
Real-time & historical metrics (building, floor, room, desk) for space optimization, facilities services and improving employee experience



Workplace Analytics

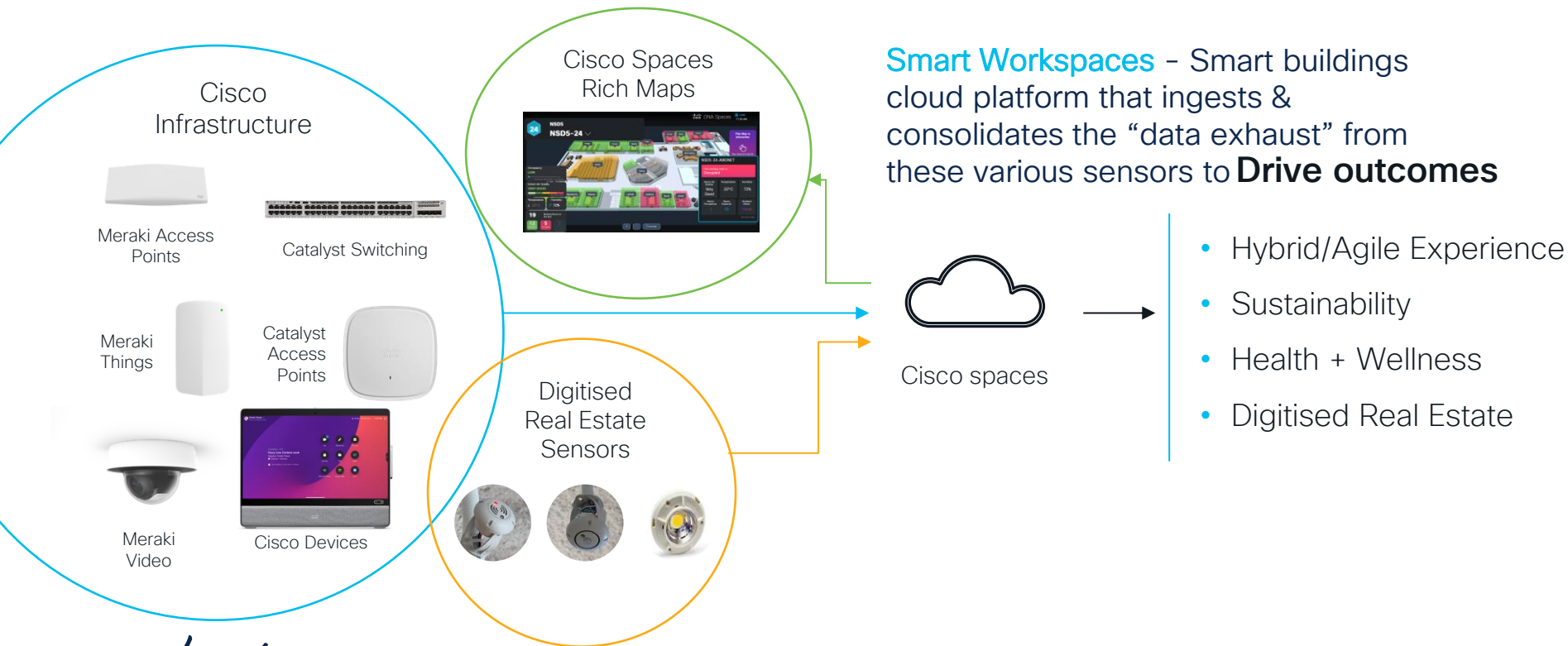
Environmental & Energy Monitoring:

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



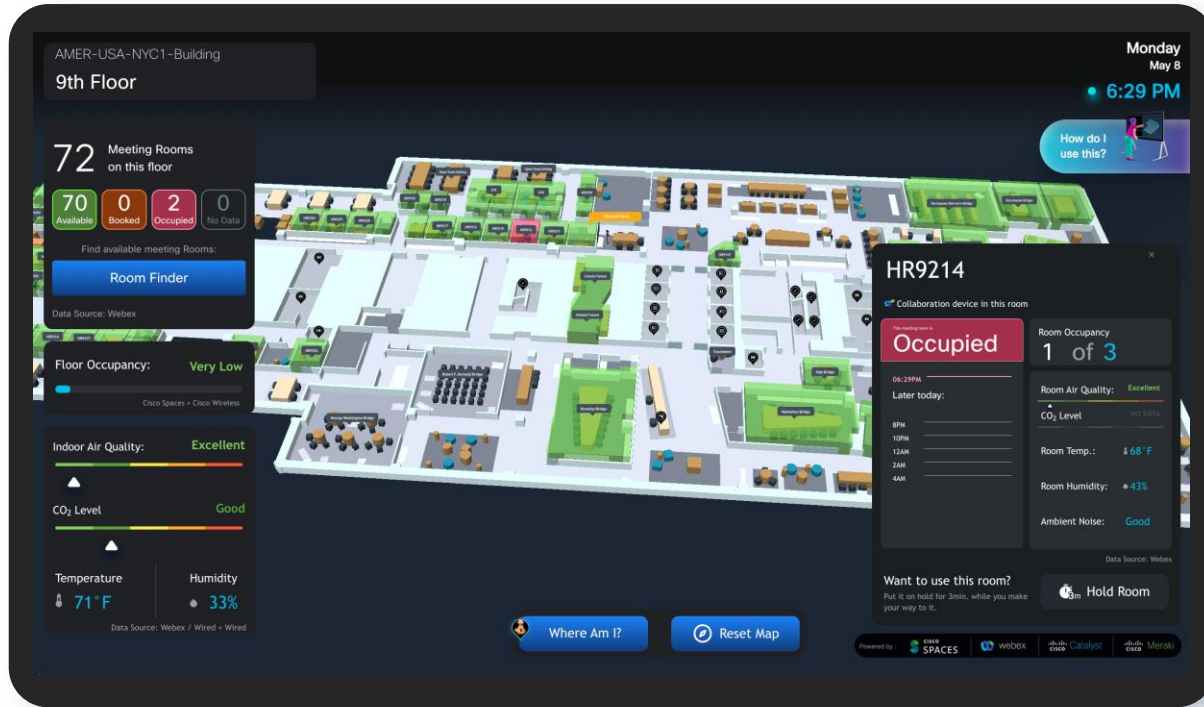
Cisco Spaces – Smart Workspaces

Bringing Network+Devices and Experiences Together

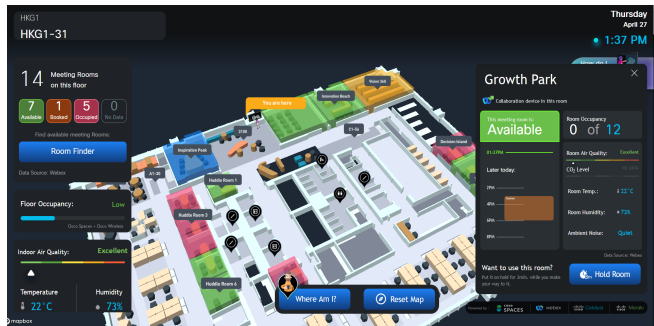


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Smart Workspaces – Digital Map



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

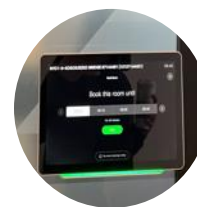
Air quality / CO2, temperature, humidity, VOC, occupancy Wireless and PoE



Meraki Cameras / Sensors



Collaboration Devices



Navigator



Shading

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



Lighting

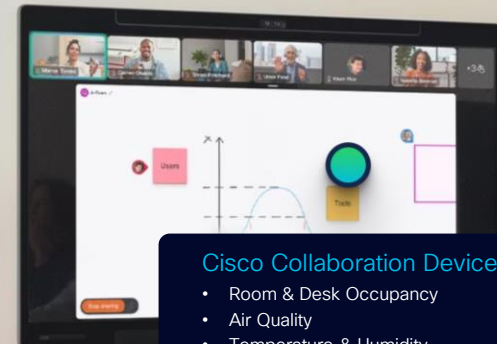
Low voltage lighting powered by PoE can be both more efficient and can easily be powered via solar.

Network as Sensor for Smart Workspaces



Cisco Wireless Access Points (Catalyst & Meraki)

- Location
- Occupancy
- IoT Gateway



Cisco Collaboration Devices

- Room & Desk Occupancy
- Air Quality
- Temperature & Humidity

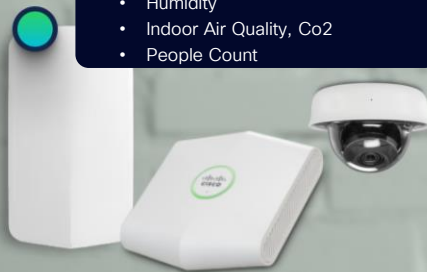
Cisco Switches

- Occupancy
- Wired Gateway



MT Sensors & Cameras

- Temperature
- Humidity
- Indoor Air Quality, Co2
- People Count



3rd Party Sensors

- Occupancy
- People Count
- Air Quality, CO2
- Asset Location and more



Intelligent Multi-Function Workspace Devices

Cisco Video Devices



Room
Presence



People
Count



Booking
Automation



Noise Levels



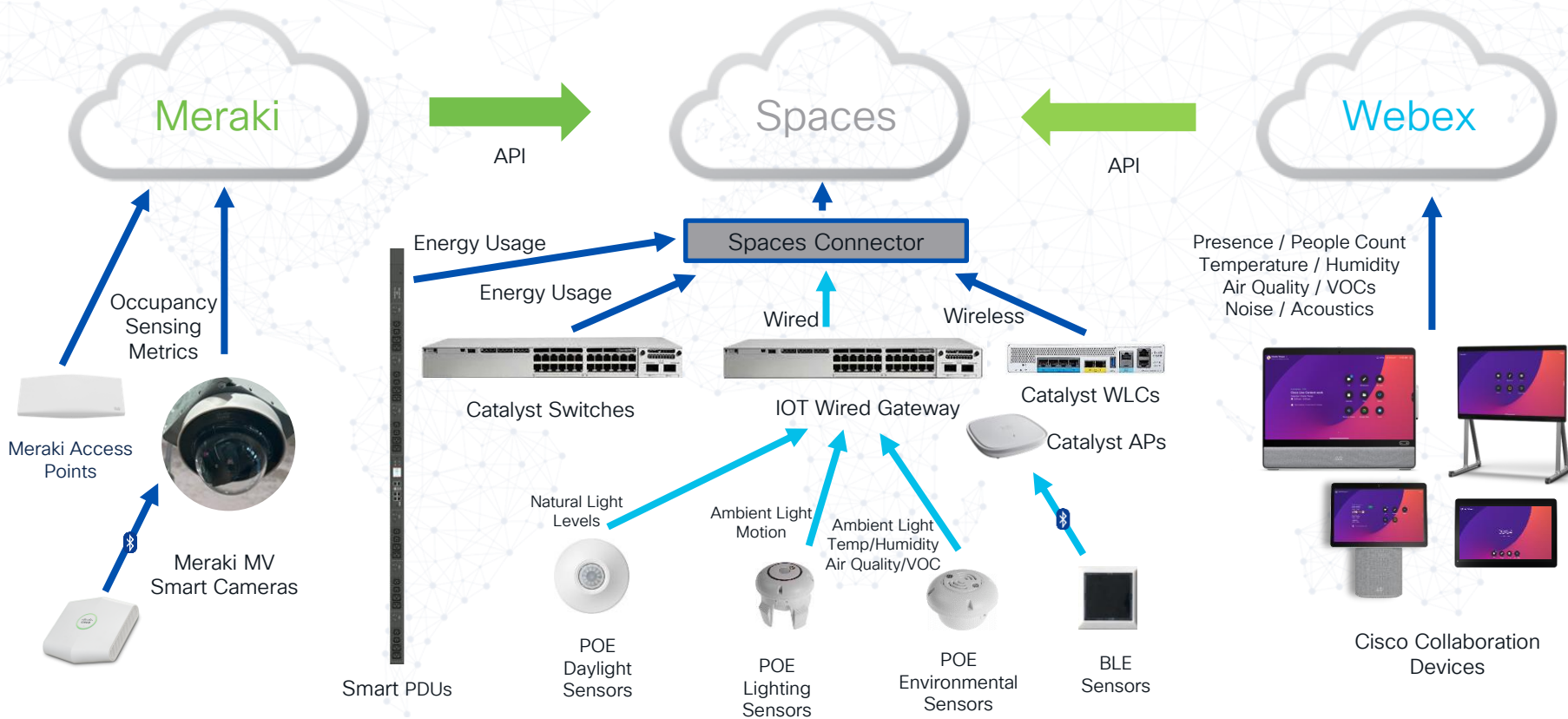
Environment:
Temperature
Humidity
Air Quality



Real-time
Status /
Detailed
Analytics



Cisco Spaces Architecture for Workplace Sensing



Smart Workspaces Digital Map – Building View

Welcome To:

ATLANTA 11

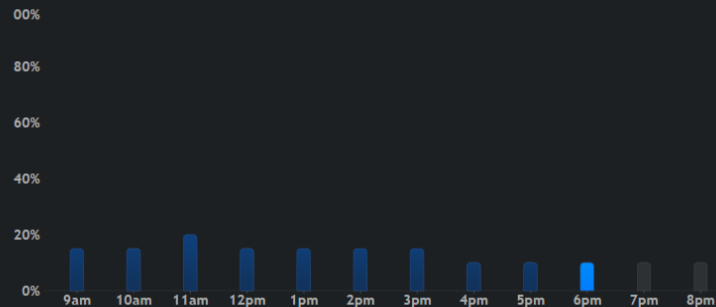
Tuesday

October 31

6:18 PM

Current Occupancy:

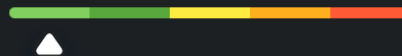
Very Low



● Right Now ● Earlier Today ○ Weekly Avg.

Indoor Air Quality:

Excellent



Temperature:

21°C

Humidity:

35%

Select Floor

View interactive map, find available conference rooms and more...

21

Floor 21

Occupancy:

Very Low

20

Floor 20

Occupancy:

Very Low

18

Floor 18

Occupancy:

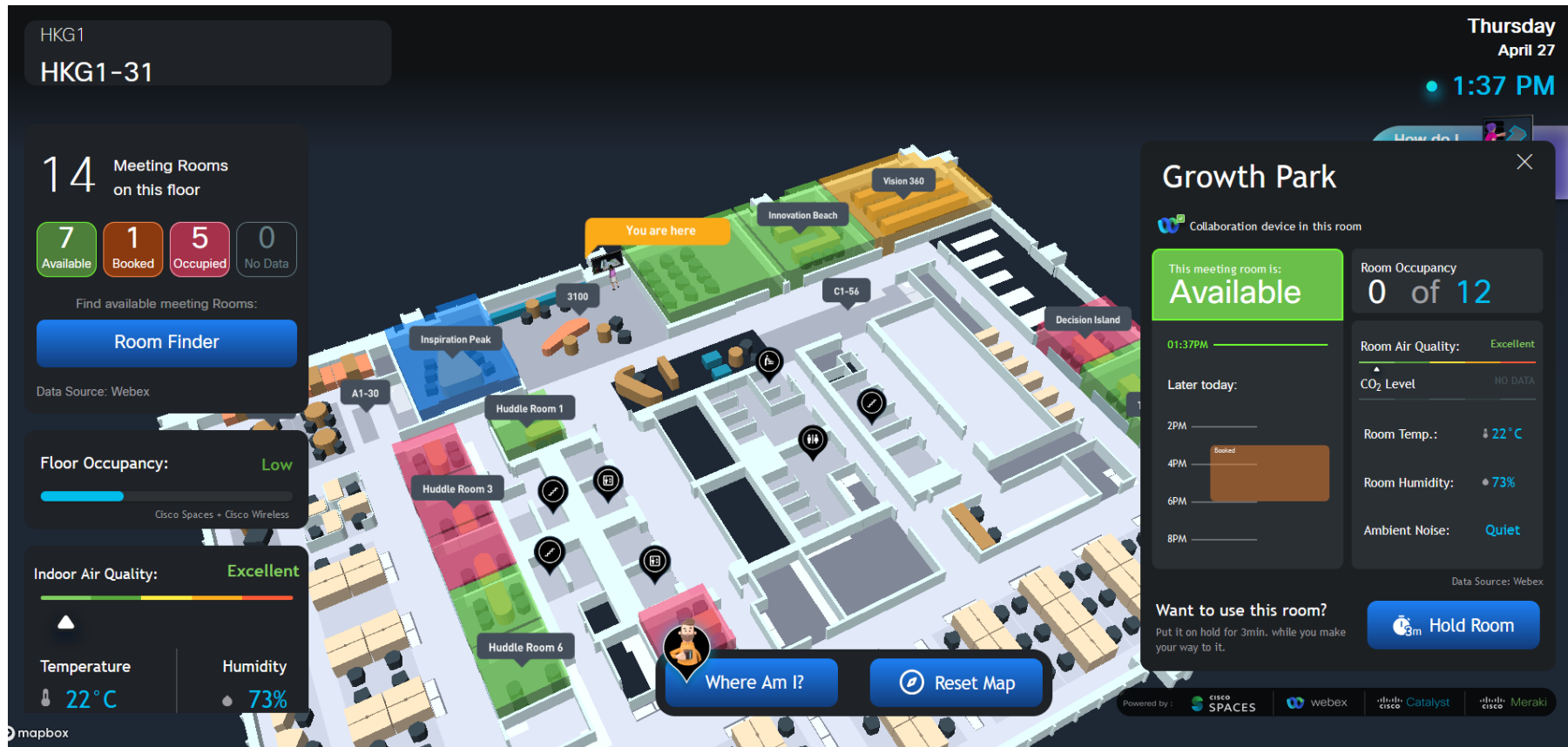
Very Low

You Are Here

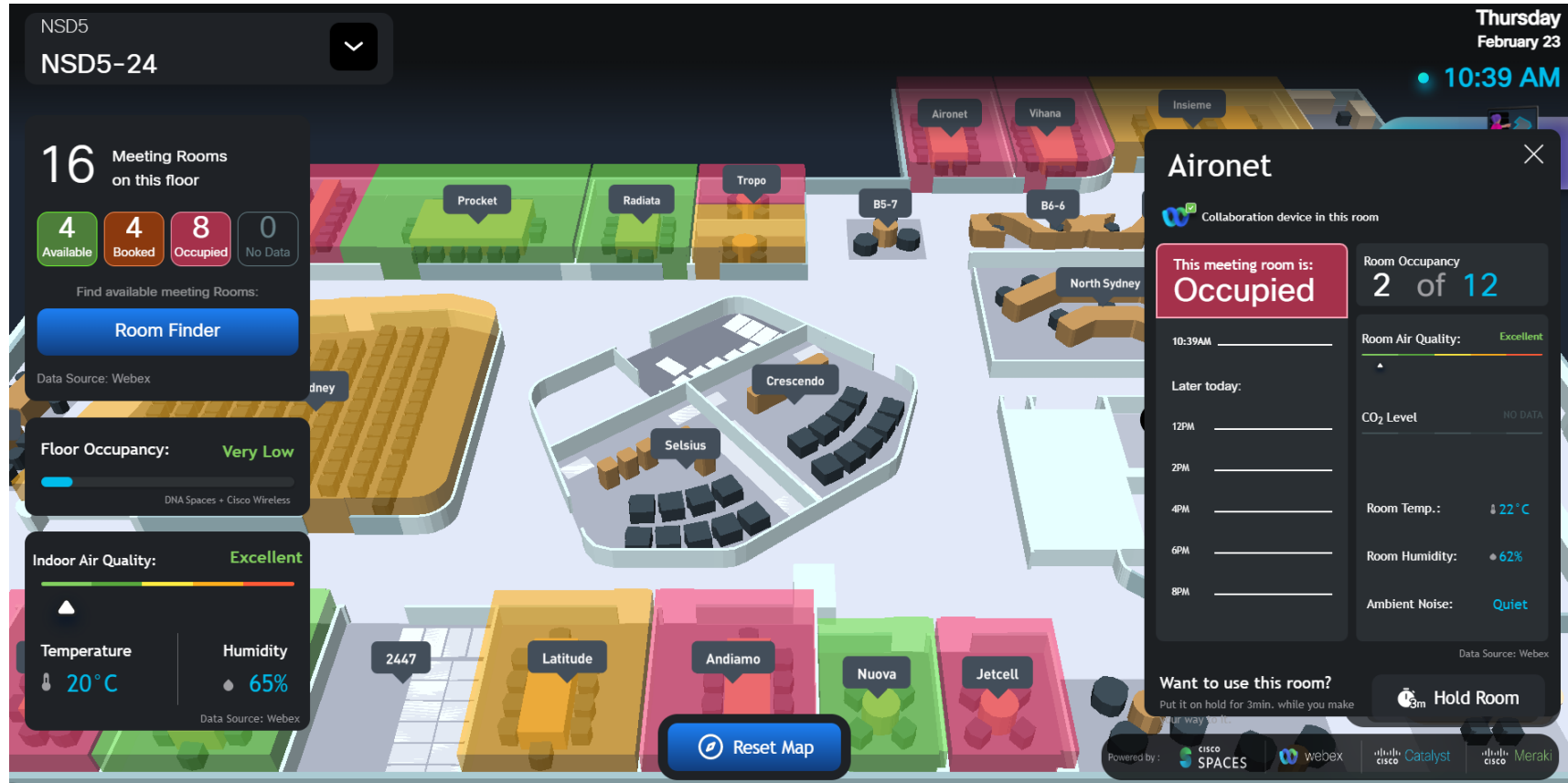
Powered by:

cisco Live!

Cisco Spaces – Smart Workspaces Floor View

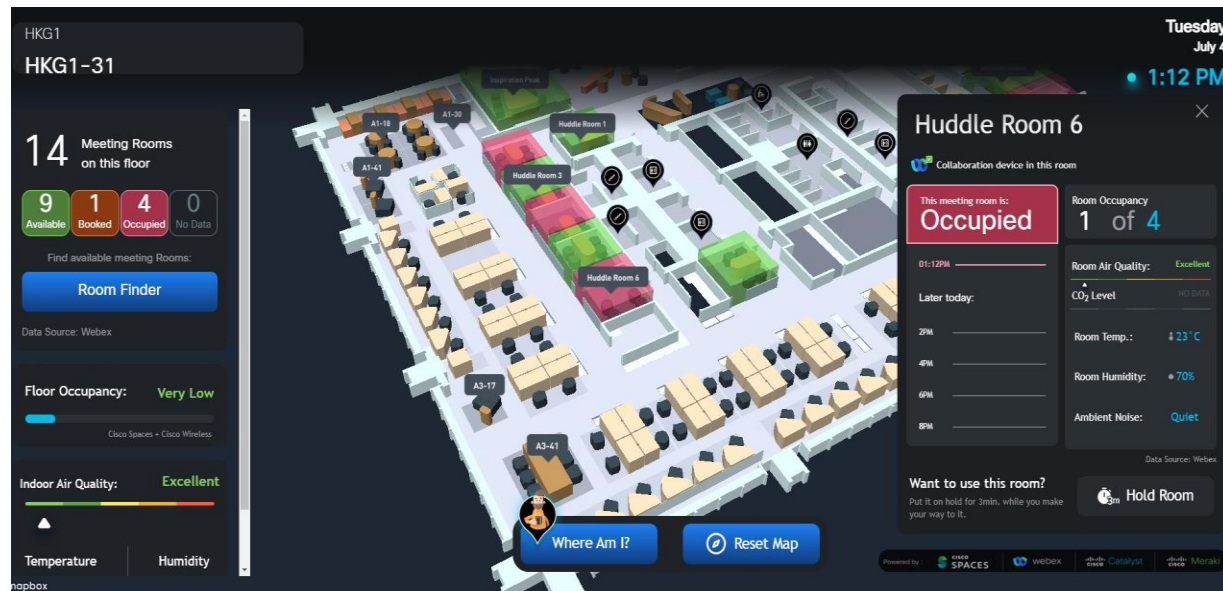


Spaces with no Data Sources are grey



Smart Workspaces : Employee Productivity

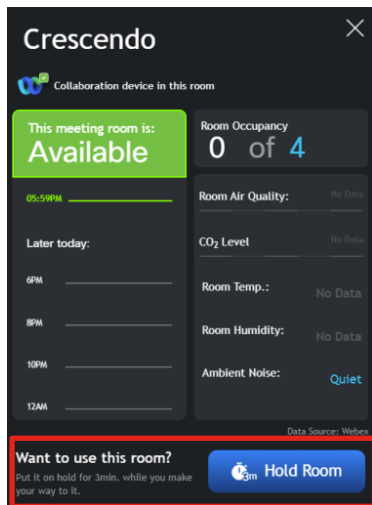
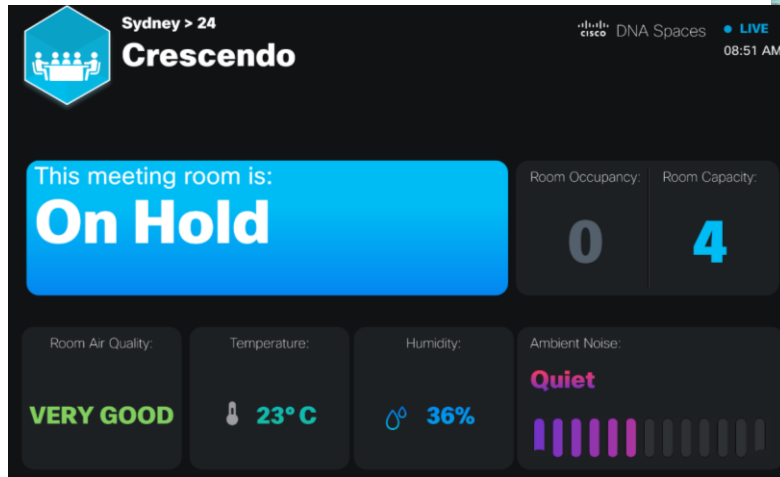
Finding Available Space



Spaces 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

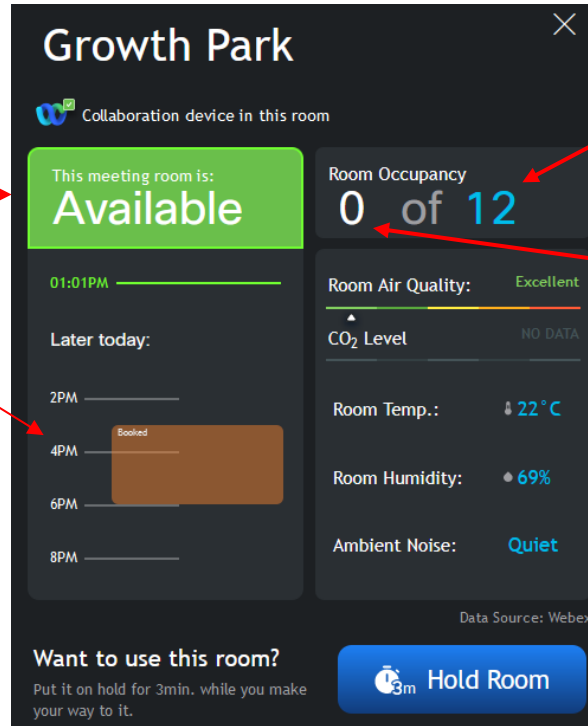


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Cisco Device Telemetry mapped to Rich Map

People Presence
Detection

Hybrid Calendar
Booking Status



Workspace Capacity

Current People Count
(in and out of call)

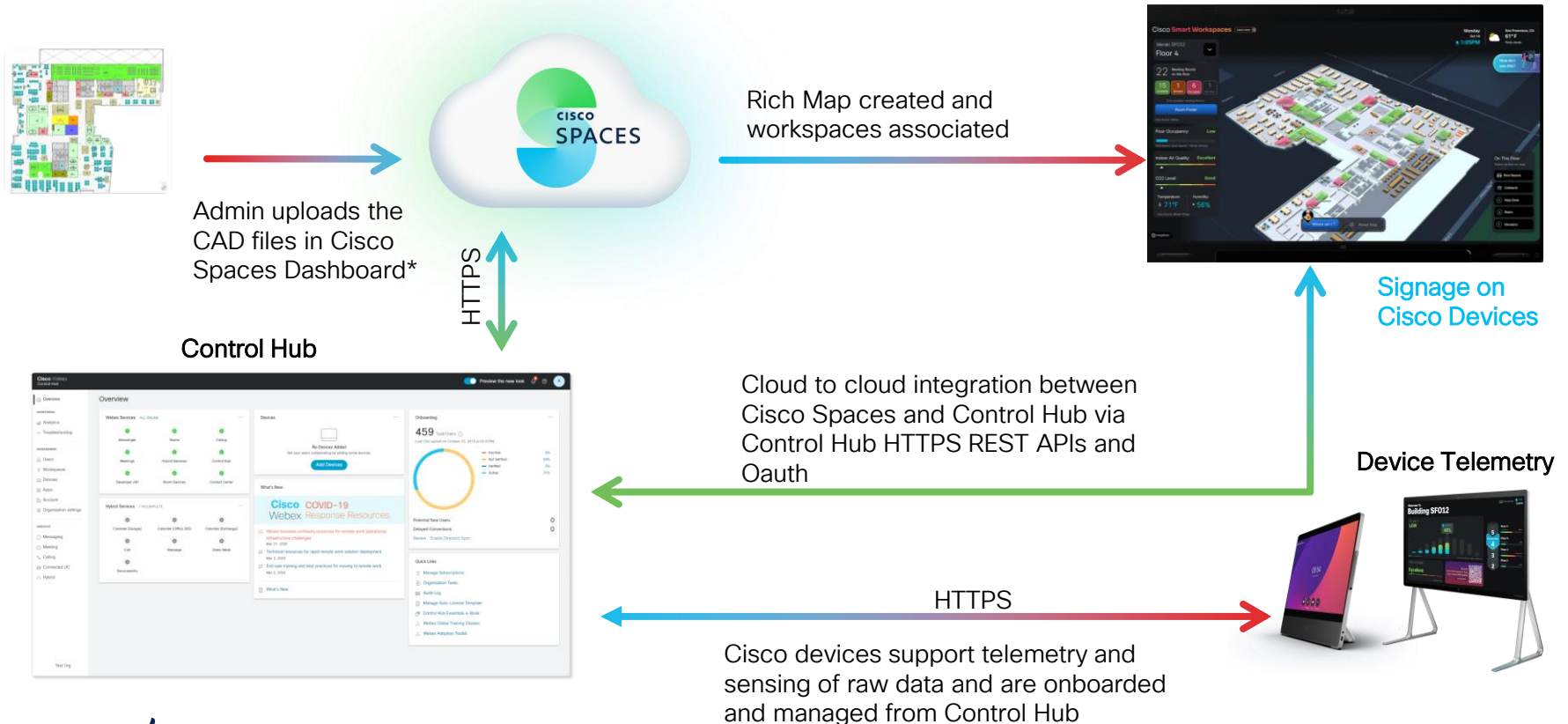
Environmental Metrics
(from Navigator / Board Pro
or Desk Devices)

Ambient Noise

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

Ambient Noise Estimation
People Count Out Of Call
People Presence Detector

Cisco Spaces and Control Hub Integration



Smart Workspaces Configuration Key Steps

For your
reference

Pre Task upload CAD files to Cisco Spaces for AI processing to create rich maps (takes a few days)

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 Cisco 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 (optional)

Cisco Spaces – Pre Control Hub Integration Steps

For your
reference

1 Digital Maps

0 Build maps pending

Upload your CAD file(s) for Canberra

Make sure each CAD file contains all layers, such as architecture, furniture, names, and IDs for all elements you want converted. Only elements with names or IDs can support sensor assignments.

Upload only one CAD file per floor. Cross references (XREFs) are not supported.
Supported file types: ZIP, DWG, DXF, PDF

Click here to upload

Upload CAD File to Location

2 Setup > Locations and Maps

Locations Network Maps Digital Maps

Digital Maps Pro generated for 1 building.
Please review and confirm the changes.

Review

SUMMARY

0/1 Buildings digital maps imported

1 Buildings digital maps review pending

Add Digital Map

Review Processed Digital Map

3 Review Digital Maps: SJC10

Select a floor from the list below & associate with the correct digital map

0 of 0 digital maps associated

FLOORS

Digital map for "Floor 1"

There are no floors in this building. Click the link below to add new floor

Add new floor

Press Control Key + Mouse Right Button/Trackpad and drag to adjust map pitch and bearing

3/4

4 Review Digital Maps: SJC10

Select a floor from the list below & associate with the correct digital map

Digital map for "Floor 1"

0 of 2 digital maps associated

FLOORS

Digital Map

Associate "Floor 1" with this map

Save

Press Control Key + Mouse Right Button/Trackpad and drag to adjust map pitch and bearing

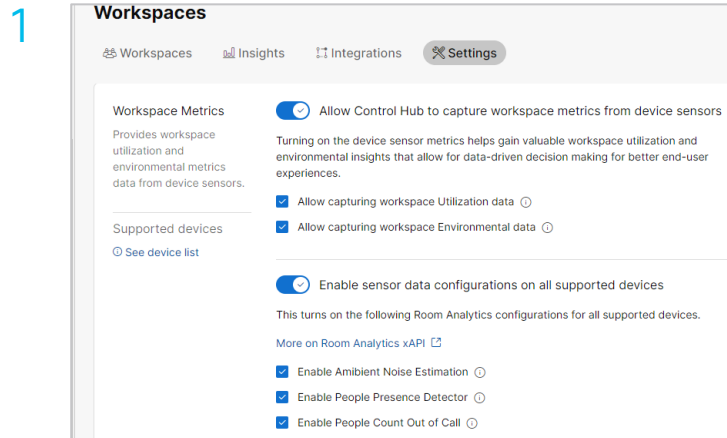
3/4

cisco Live! Add Location Floors

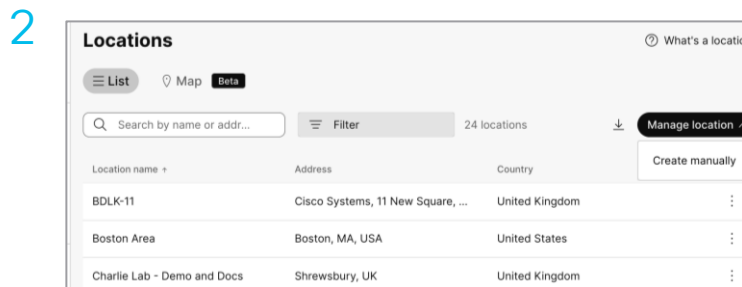
Associate with Floors and Publish Building

Control Hub - Pre Spaces Integration Key Steps

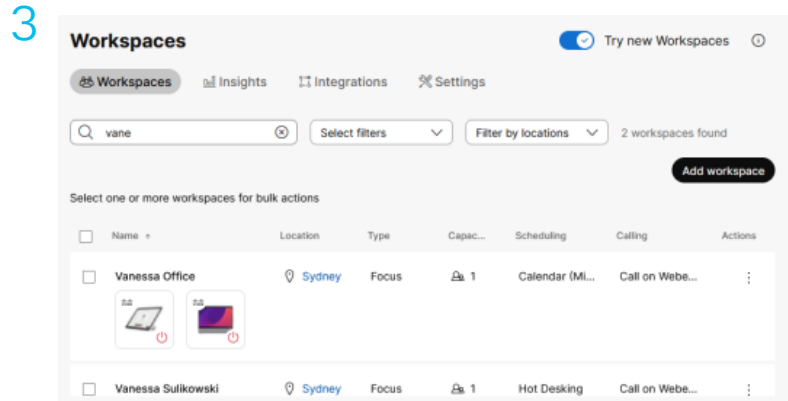
For your reference



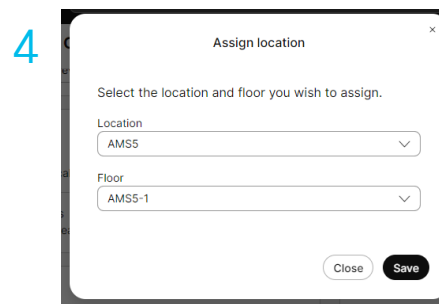
Enable Workspace Metrics



Create/Update Locations



Add/Rename Workspaces



Assign to Location

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

eyJraWQlUjQNGNYYnkUmdDYNFM1JkdMFOeFpUFEI

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.

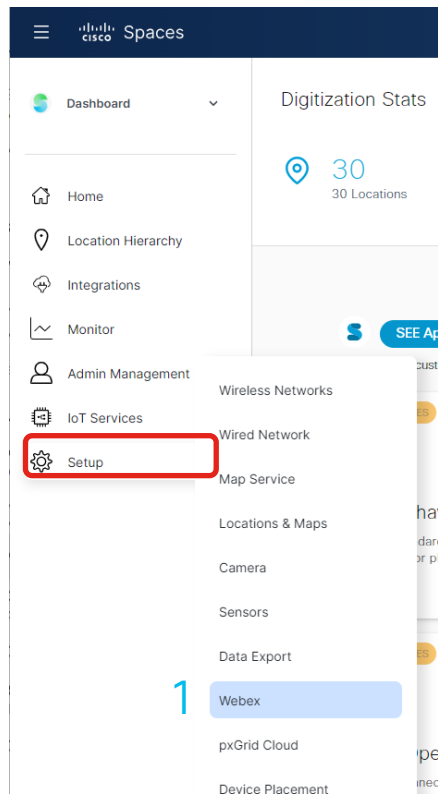
Note that it can take up to an hour for all devices to start sending change notifications to a new integration.

[Activation guide](#)

Done

Cisco Spaces - Setup Webex Integration

For your reference



Connect your Webex

Webex Setup for analytics via Webex login

You can now connect your Webex Account to Cisco Spaces Webex app. Completing this s Webex data.

3

A modal window titled 'Webex Token' with a close button (X) in the top right corner. It contains a text input field with the placeholder text 'Enter or copy-paste your Webex Token' and 'ENTER-TOKEN-HERE'. Below the input field are two buttons: 'Cancel' and 'Connect'. A small Webex logo is visible in the bottom right corner of the modal.

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

Connect your Webex

Webex Setup for analytics via Webex login

You can now connect your Webex Account to Cisco Spaces Webex app. Completing this 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

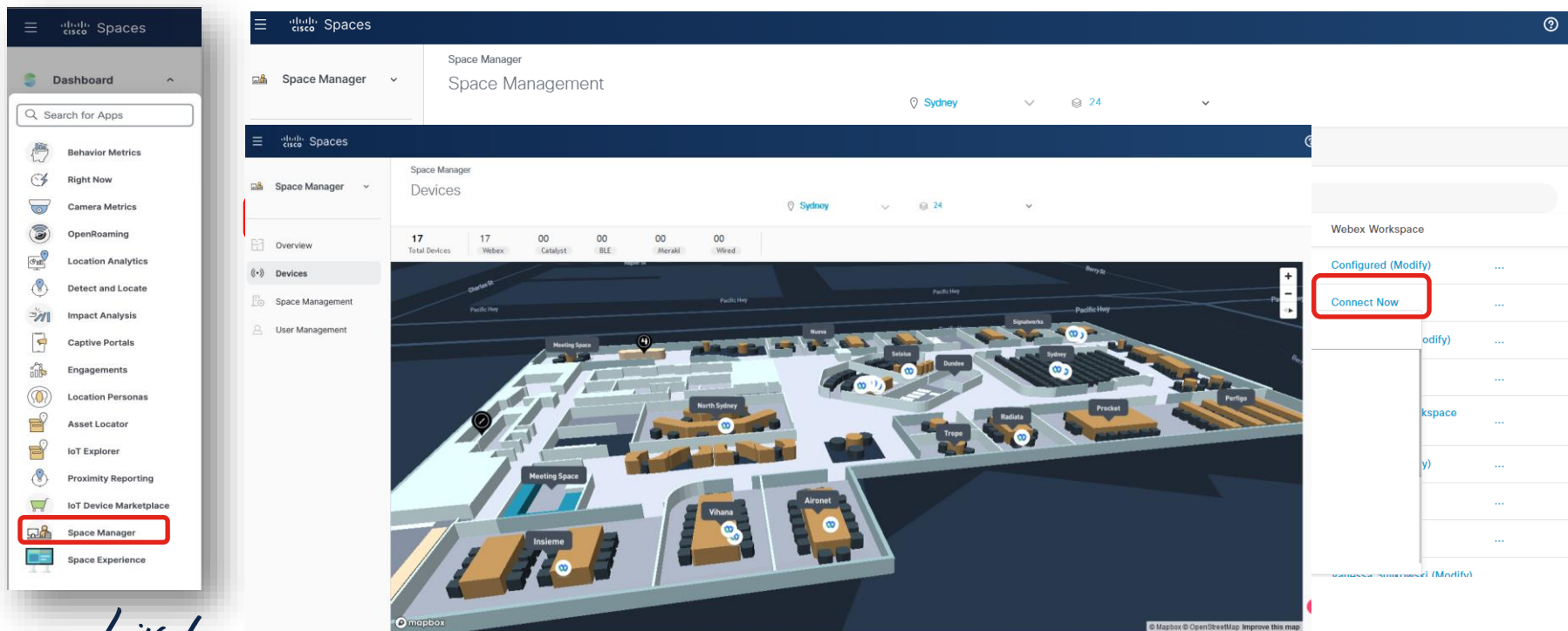
The synchronisation process is scheduled in the backend every three hours after the token is configured in the Spaces Dashboard.

cisco Live!

For your reference

To associate Webex Workspace

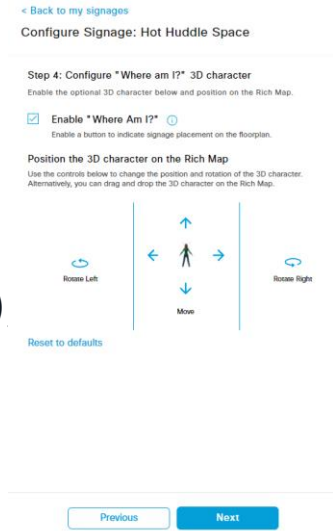
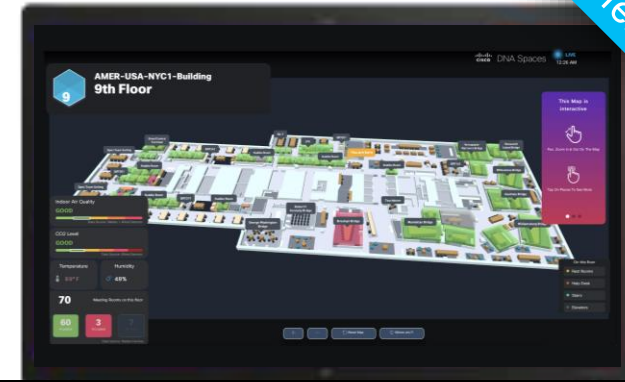
- Navigate to Space Manager → Space Management
- Search for Workspace and Select “Connect Now” to select the Cisco endpoint to be associated



Space Experience

Cisco Spaces dashboard app

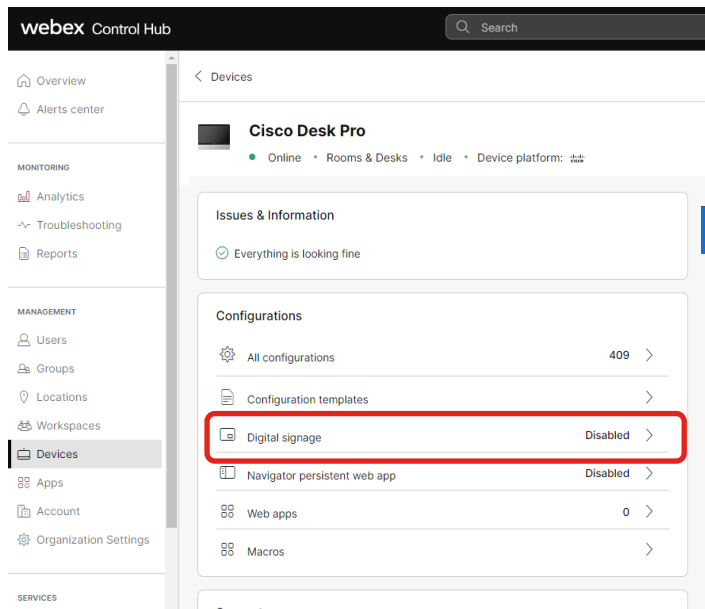
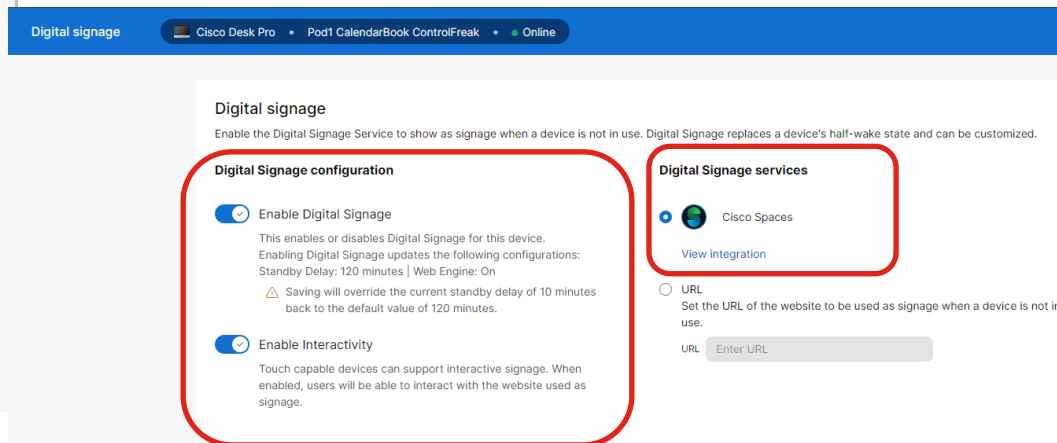
- Easily deploy Digital Signage to Cisco devices via native Control Hub integration
- Simple, secure non-Cisco device deployment via unique URL + 4-digit code authentication
- Configure view (building, floor) perspective, “Where am I?”



Control Hub Digital Signage

Devices - > Digital Signage

For your
reference

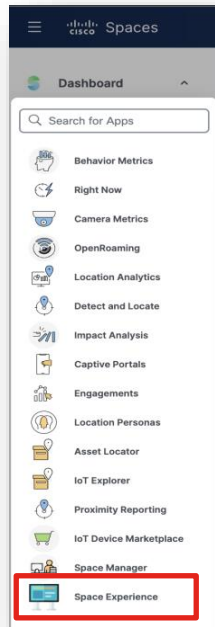
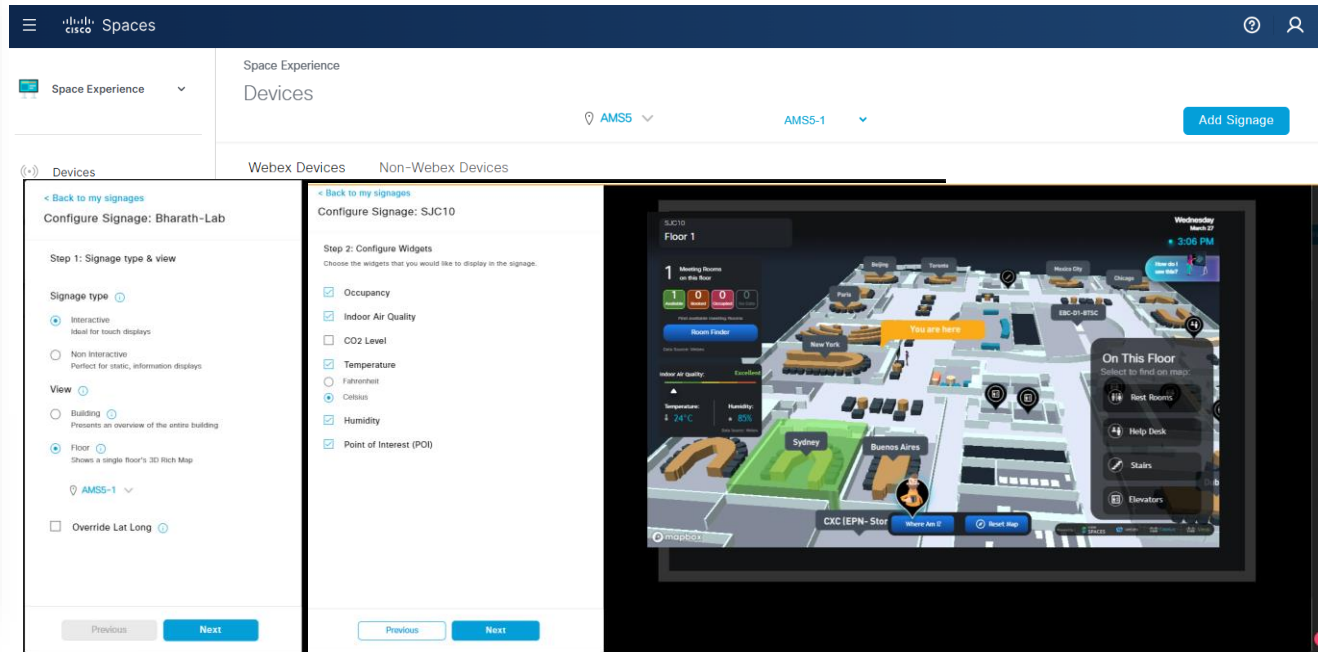


Add Signage to Webex Devices

To create signage

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

For your
reference



Control Hub – Spaces PWA configuration

Devices –> All Configurations –> Navigator Persistent Web App

For your
reference



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

[Learn more about persistent web apps](#)

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.

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.

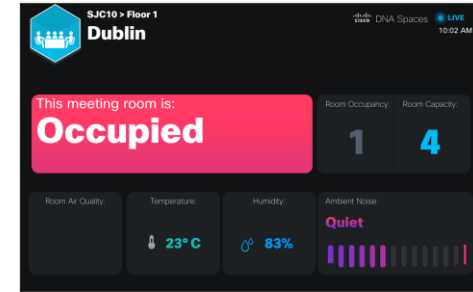
URL

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

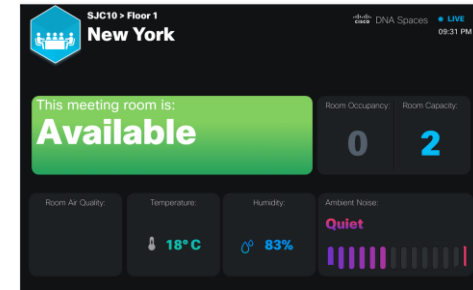


cisco *Live!*

Smart Workspaces – RoomOS and MTR Devices



RoomOS

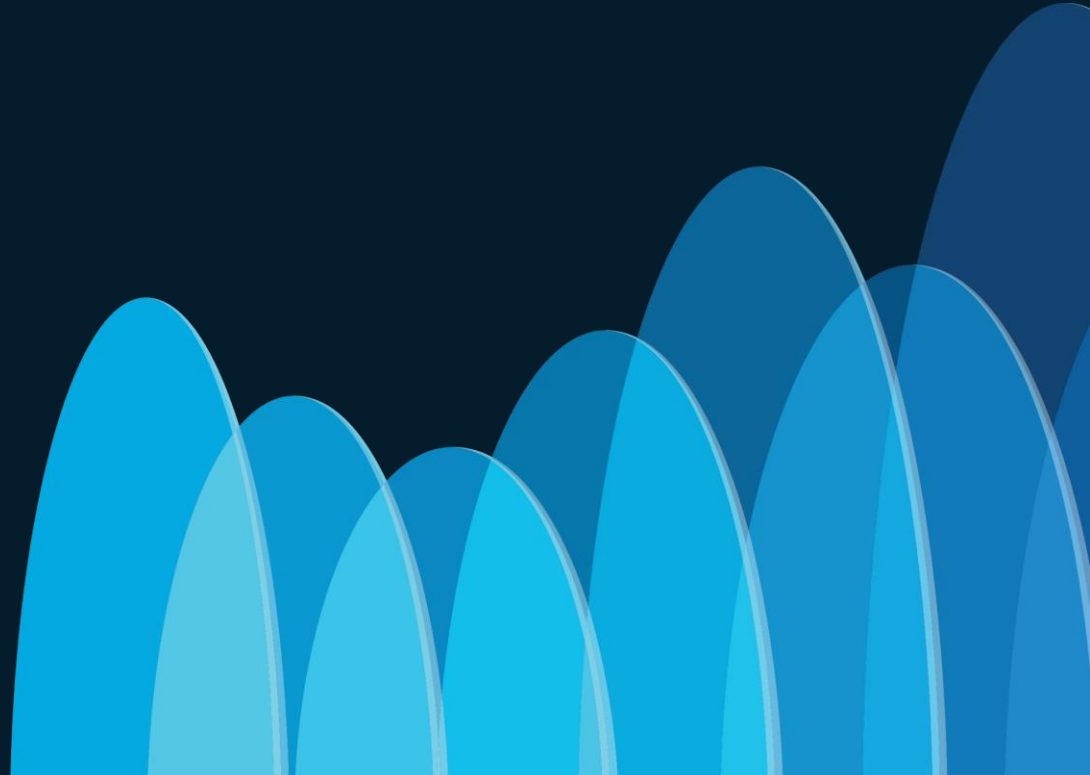


Microsoft Teams Rooms

Desk Visualisation and Mobile App / Wayfinding



Smarter Space Usage and Management



Balancing adhoc with bookable spaces



Enabling smarter space management and interaction

← On Demand / Adhoc Space →

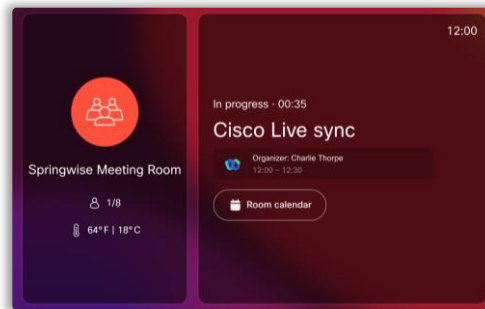
← Booked / Scheduled →



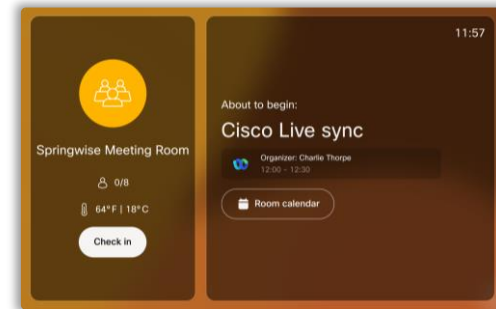
Smarter Adhoc Space Usage and Room Booking



Hot Desking and Hot Spaces



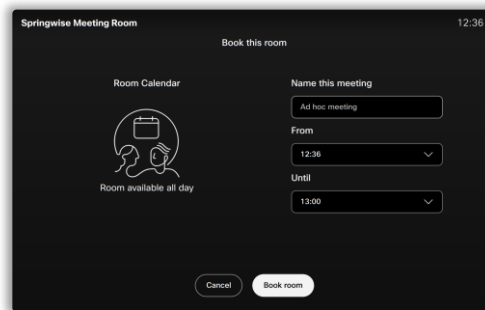
Enhanced Room Status Visibility



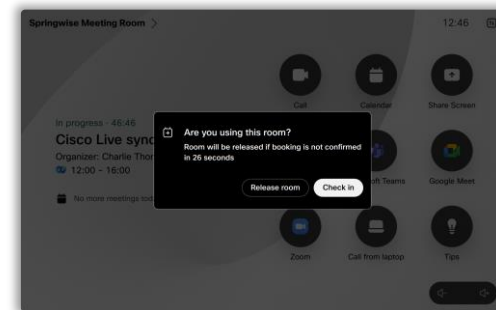
Automated Check-in



On-Site Only Booking

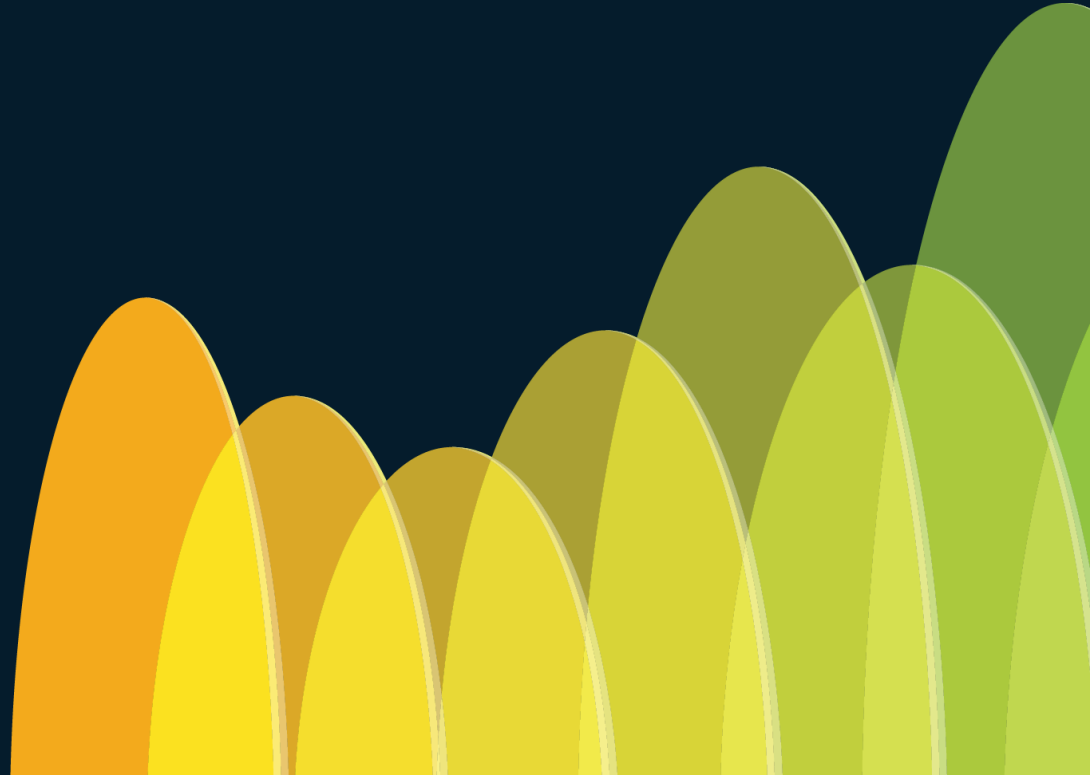


Max booking time limits



Empty Room Release

Adhoc Spaces

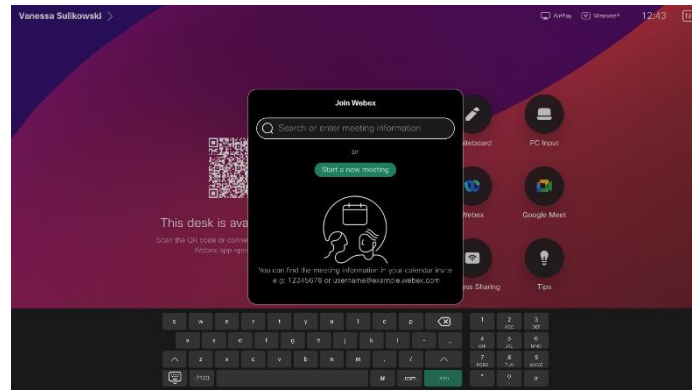
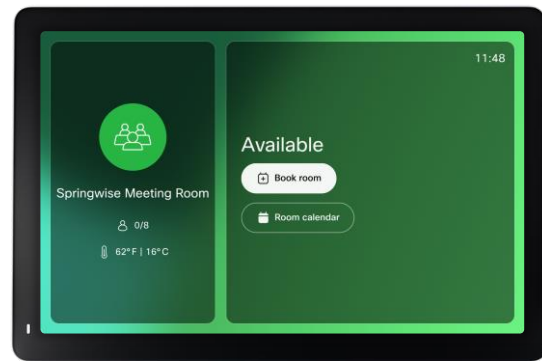


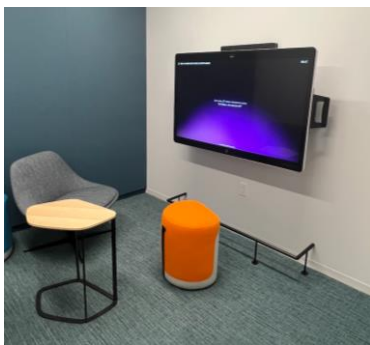
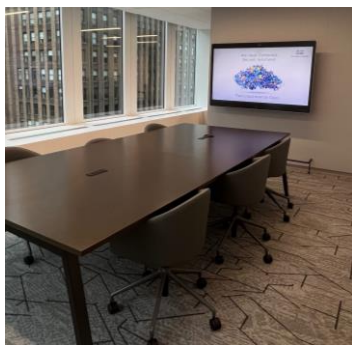
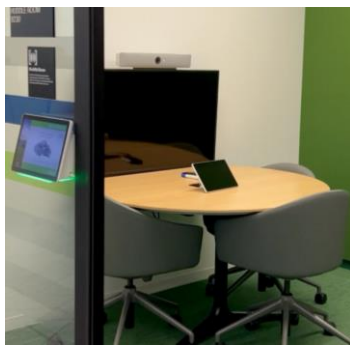
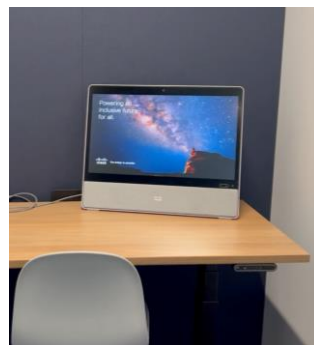
Removing Perceived Challenges with Adhoc Space

Common space misconceptions

- Can't find available space – I have to use calendar to find if a room is free
- How do I join a meeting if I haven't booked the room
- How do I get my OBTP
- What if I need to create an instant virtual meeting to add people not in the office
- That room looks free – can I just use it?

By Complimenting Calendar Scheduled Spaces with multiple Adhoc Usage and Smarter Booking Methods





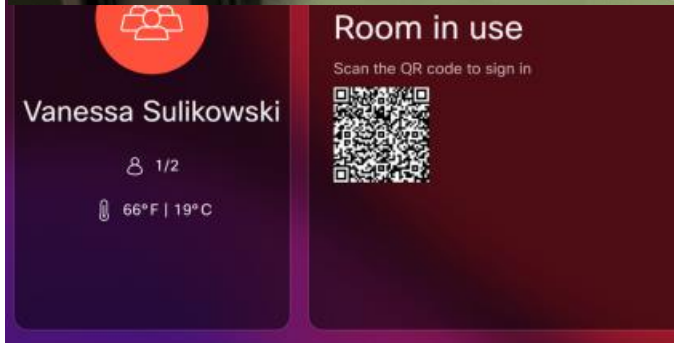
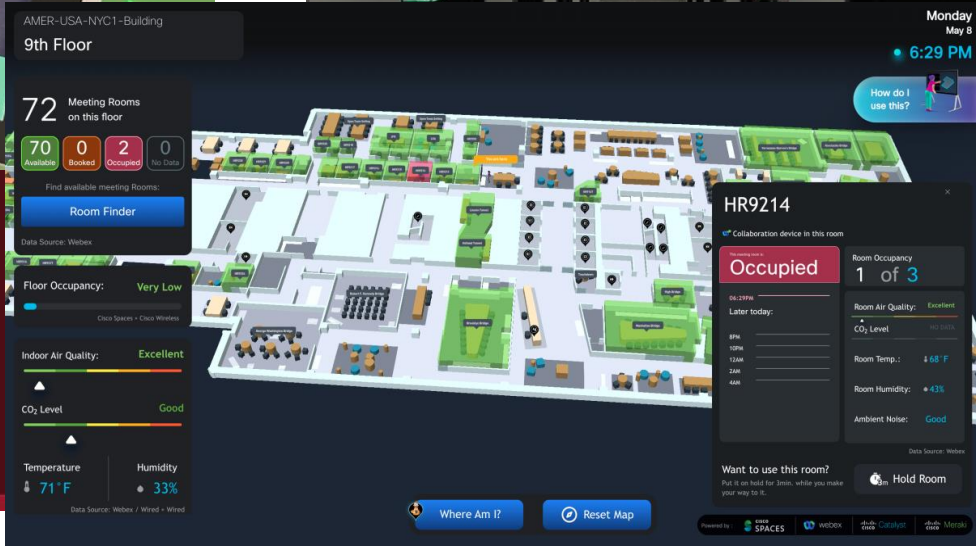
Employee / Private



Customer / Public

Only blue (large public rooms can be booked)

Adhoc Space Use and Visibility



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Adhoc Space Reservation and Usage and Usage

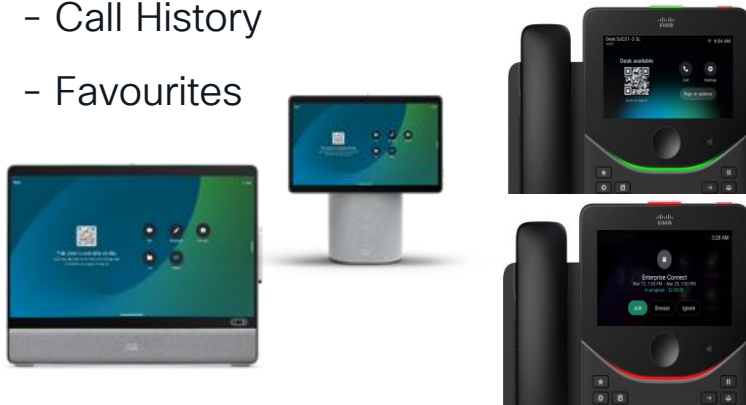
Hot Desking, Device Initiated Meetings, Meeting Buttons, Navigator Adhoc Bookings, On-site only Bookings



Smart Secure Hot Desking

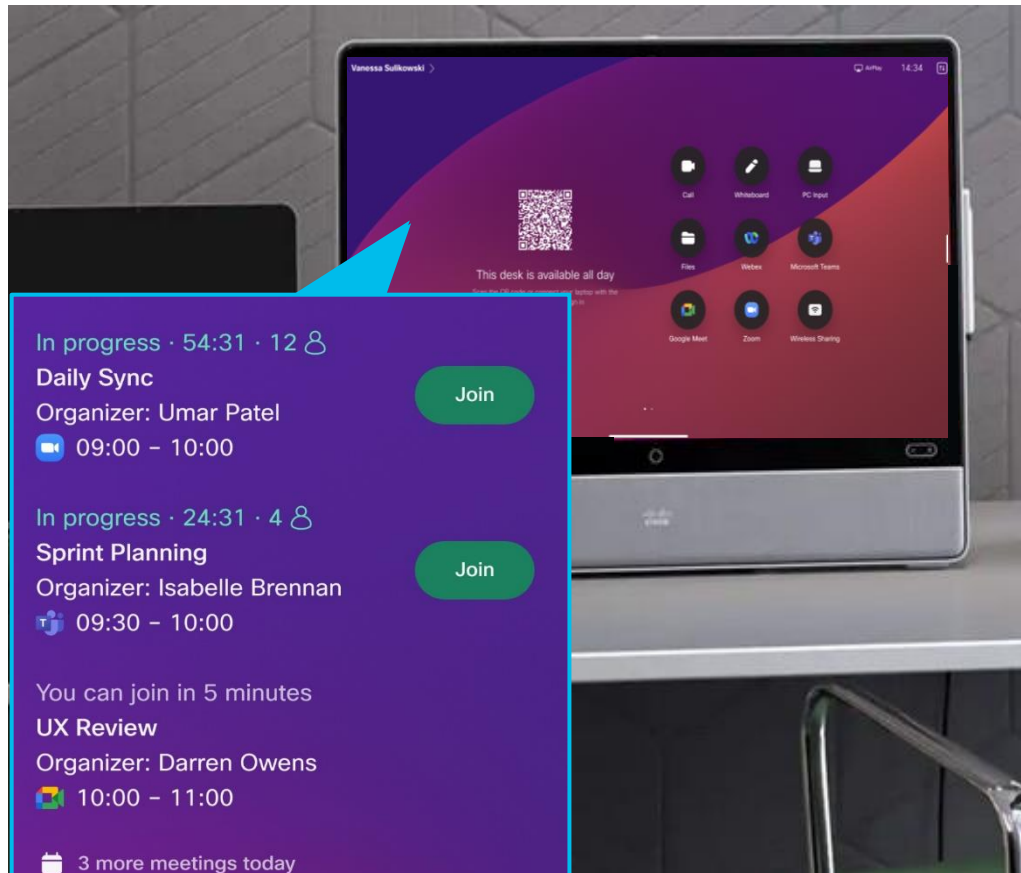
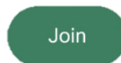
Hot Desk via QR Code or USB-C

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



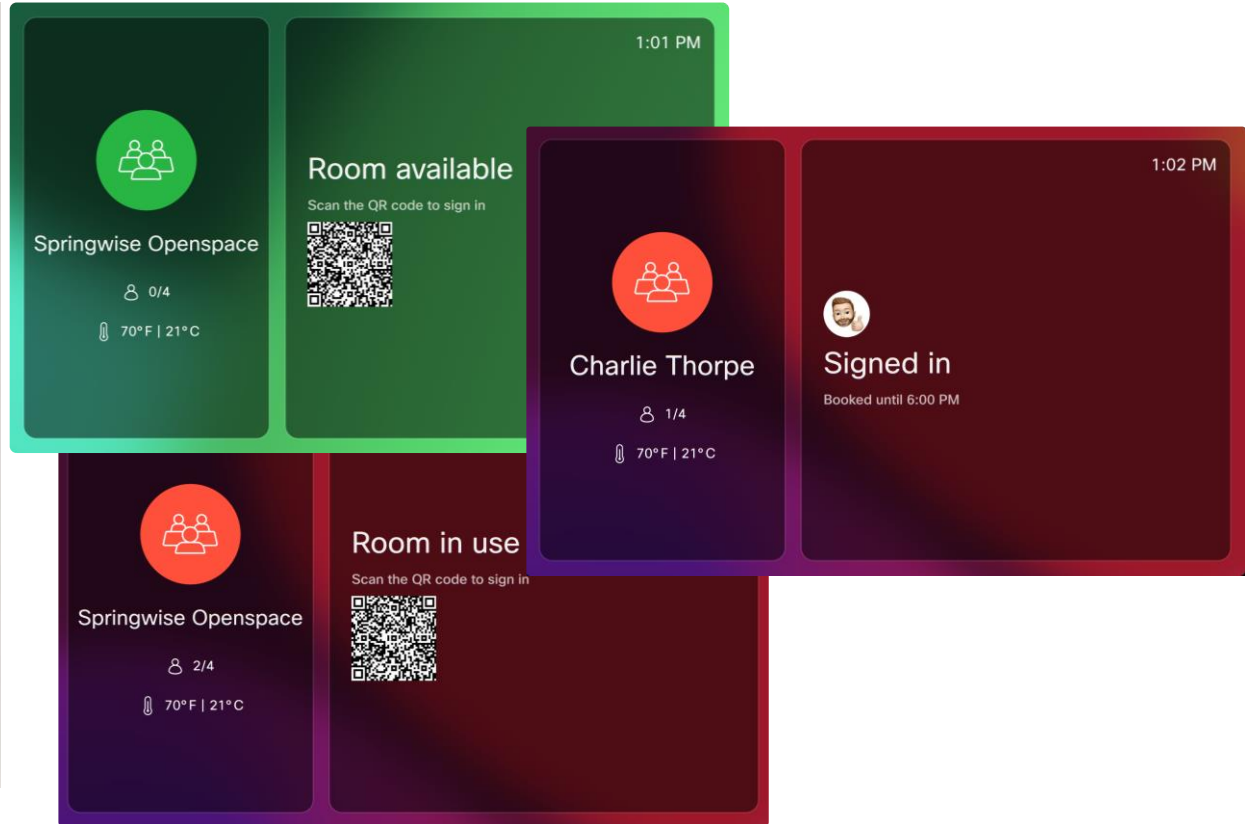
cisco *Live!*

88 / 98xx



One button to push for every space

Hot Spaces + Navigator – QR Adhoc Reservations



Hotdesking Updates – Booking Policy

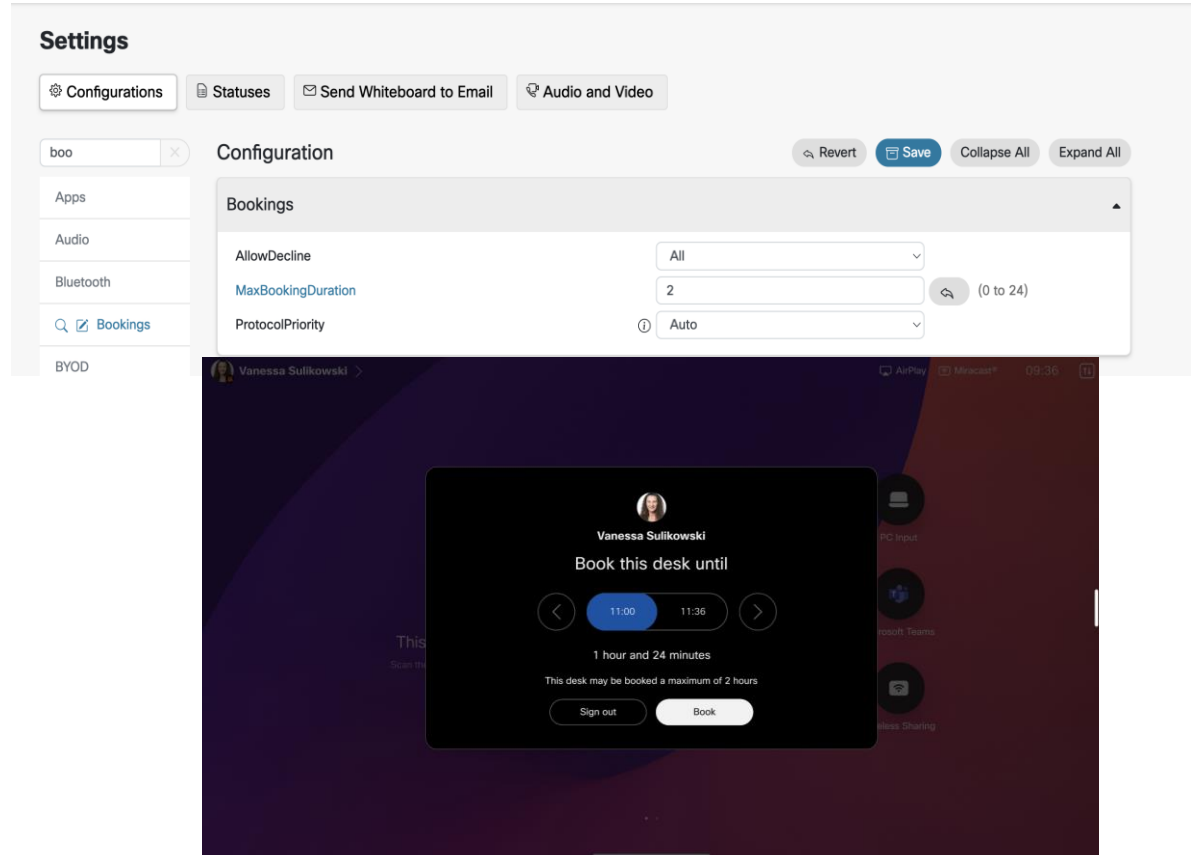
GA

Workspace Booking Policy

(such as **max booking time**) that drives correct behaviour and improve utilization – especially in quiet / jump / huddle rooms ie book room or hot desk for maximum time ie 2 hours

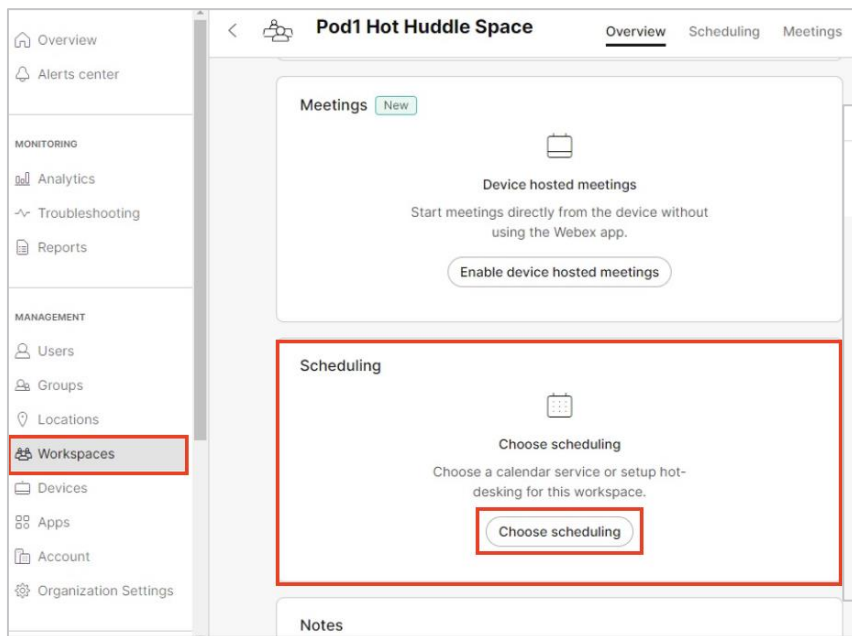
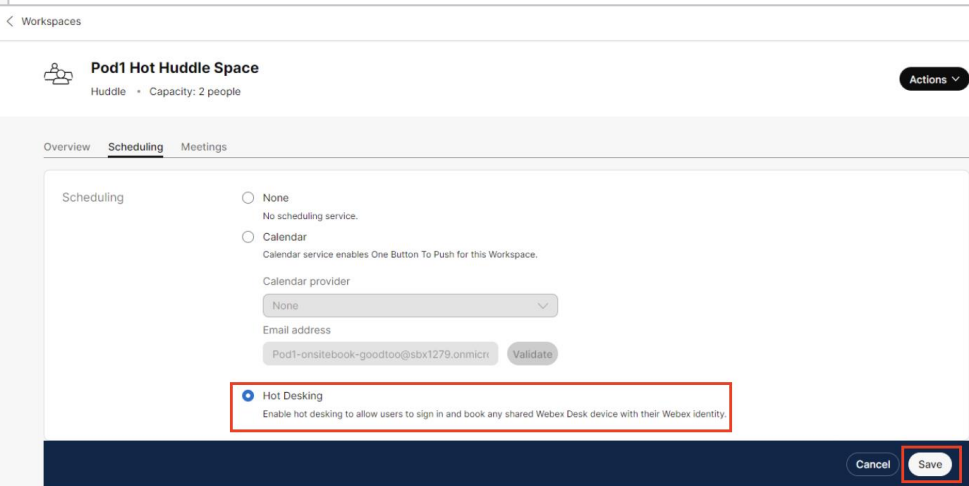
This will be available for both Hot Desking and Room Booking

CISCO Live!



Workspace Enablement

Adhoc, and Hot Desking or Scheduled



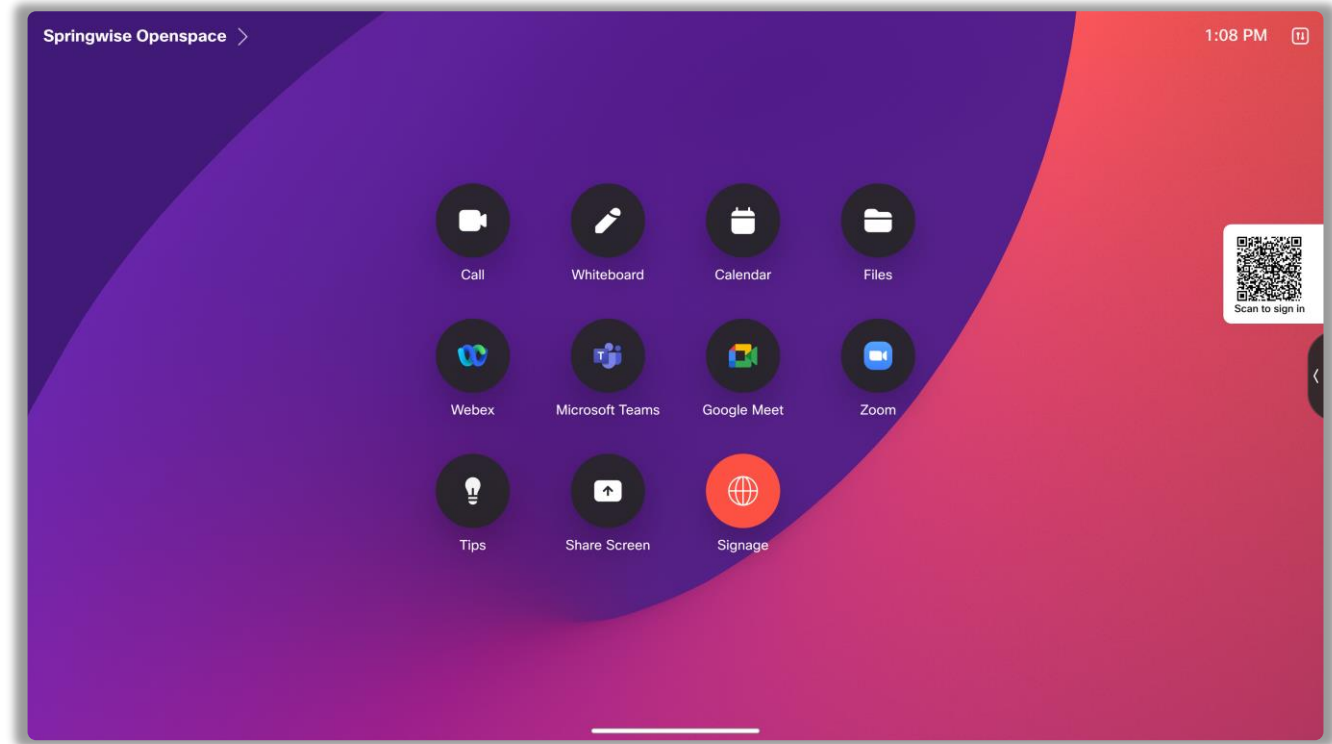
Hotdesking Updates – Boards

Generally Available

Hot Desking on Boards

Hot desking can now be enabled for Board Devices.

- User can be forced to login before using Whiteboard



Hot Desking on Room devices

ROADMAP

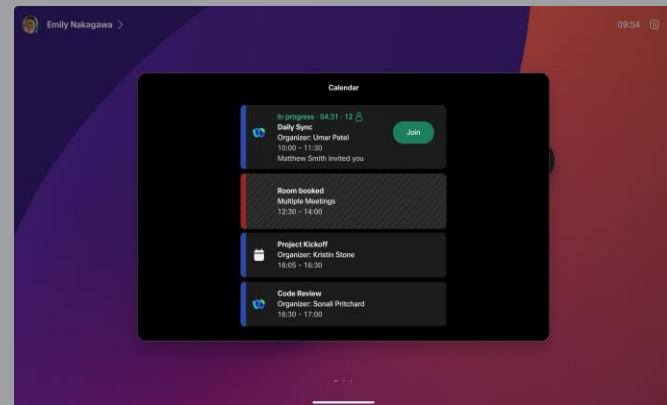
Streamlined signing-in and booking experience available on all devices, Room, Boards and Desks:

Supports **flexible workspace use cases**:

- quiet hotdesking rooms / huddle rooms with room devices
- where a personal office can be shared when not used
- use of any rooms for a quick call or join meetings by signing-in and personalizing the device

Workspace will be able to be enabled with **both booking and hotdesking**

- User Authentication for Whiteboard/Apps using QR code



Adhoc Only Rooms with optional Navigator PWA

Instant Join

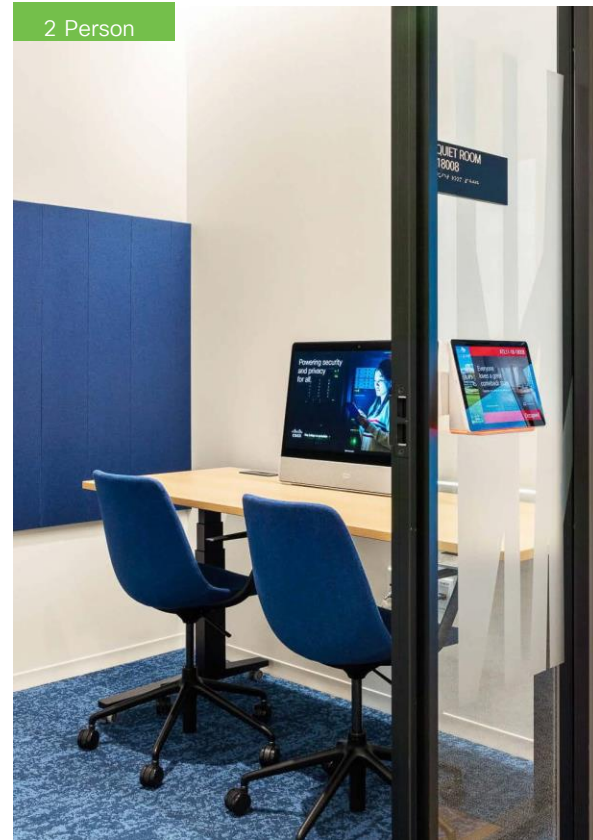
- Webex, Teams (WebRTC and CVI), Google and Zoom Buttons

Instant Pair

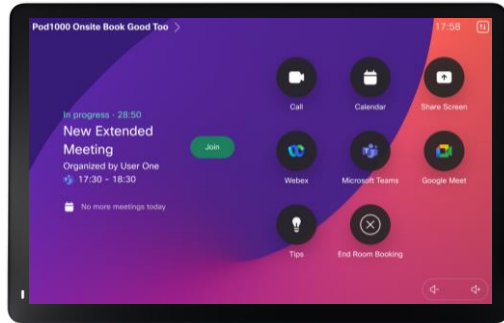
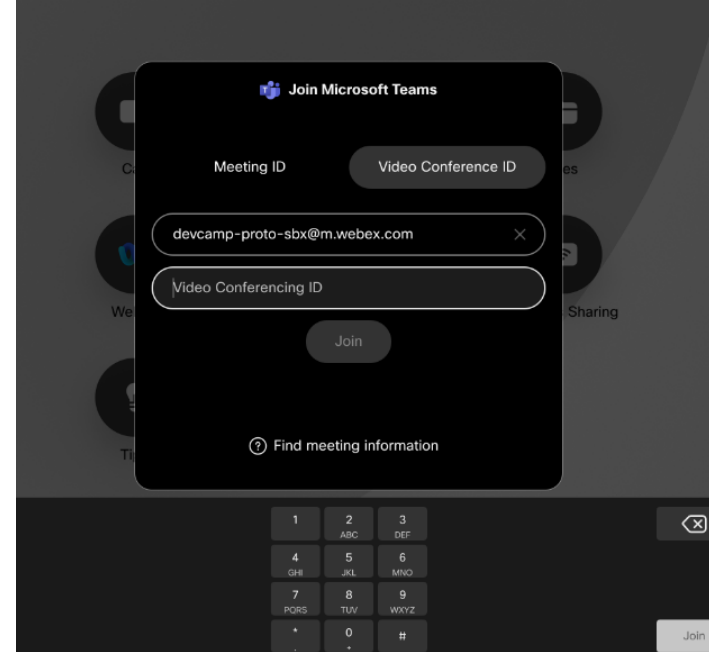
- Proximity, Guest Sharing, USB-C, AirPlay, Miracast, Pin Pair

Instant Meetings

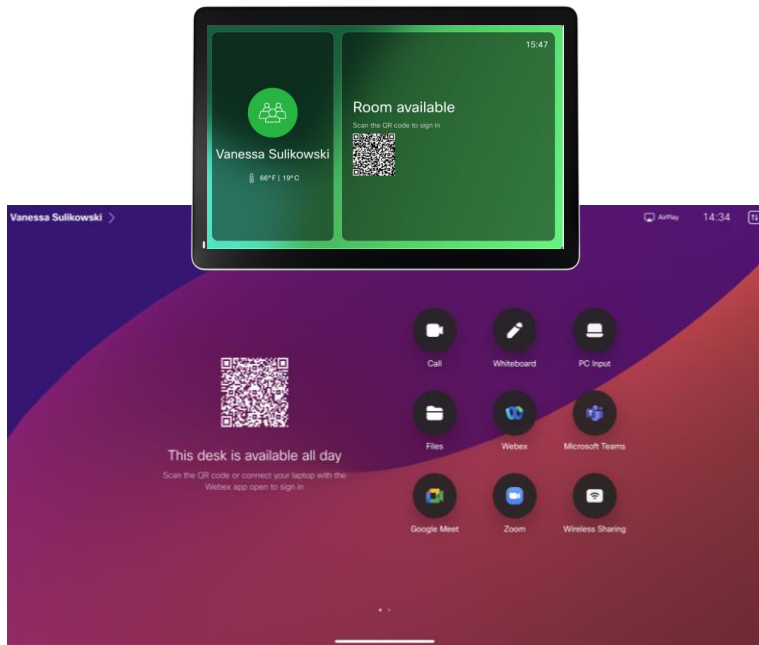
- Device Initiated Meetings



Buttons to Join Any Meeting Type



Adhoc Spaces with Navigator for Room Status



Hot Desk Enabled

OBTP on device

*Navigator must be paired to device

cisco Live!

Nav PWA for
room status



Adhoc Shared Workspace

OBTP via app

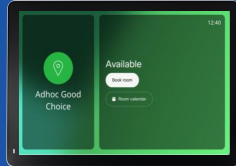
*Navigator can be paired or
standalone in workspace

Smarter Room Booking



Smarter Room Booking

Ad Hoc /
On-Site
Only
Booking



Room
Booking
(w/ check-in)

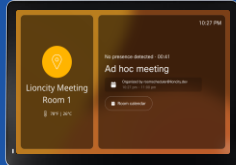
Inside &
Outside



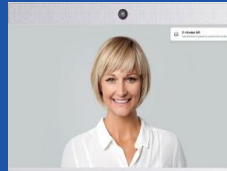
Voice
Assistance



Room
Status
Visibility



Meeting
Reminders



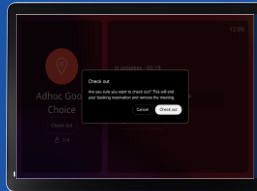
Frictionless
Meeting
Extension



Room
Booking
Automation



Check-
out Ghost
Meeting
Release



Persistent
Web
Apps



Enabling Room Booking Summary

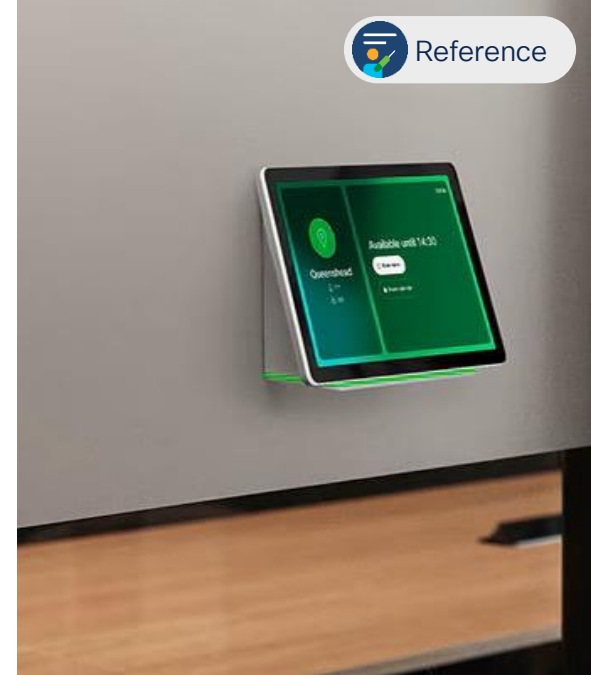
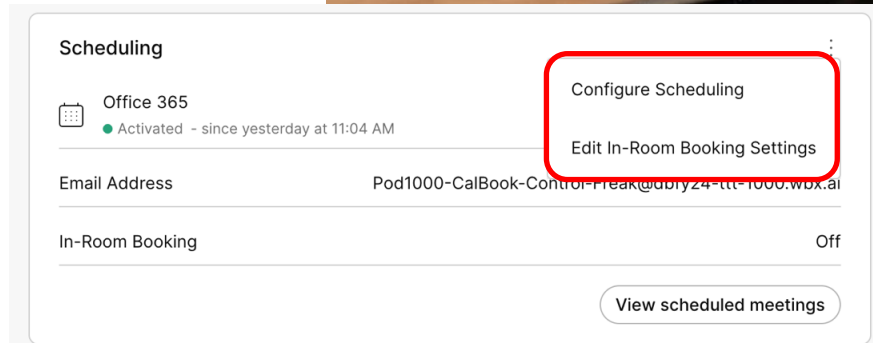
Book Rooms via Device, Room Navigator, Touch 10 or Webex Assistant.

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)

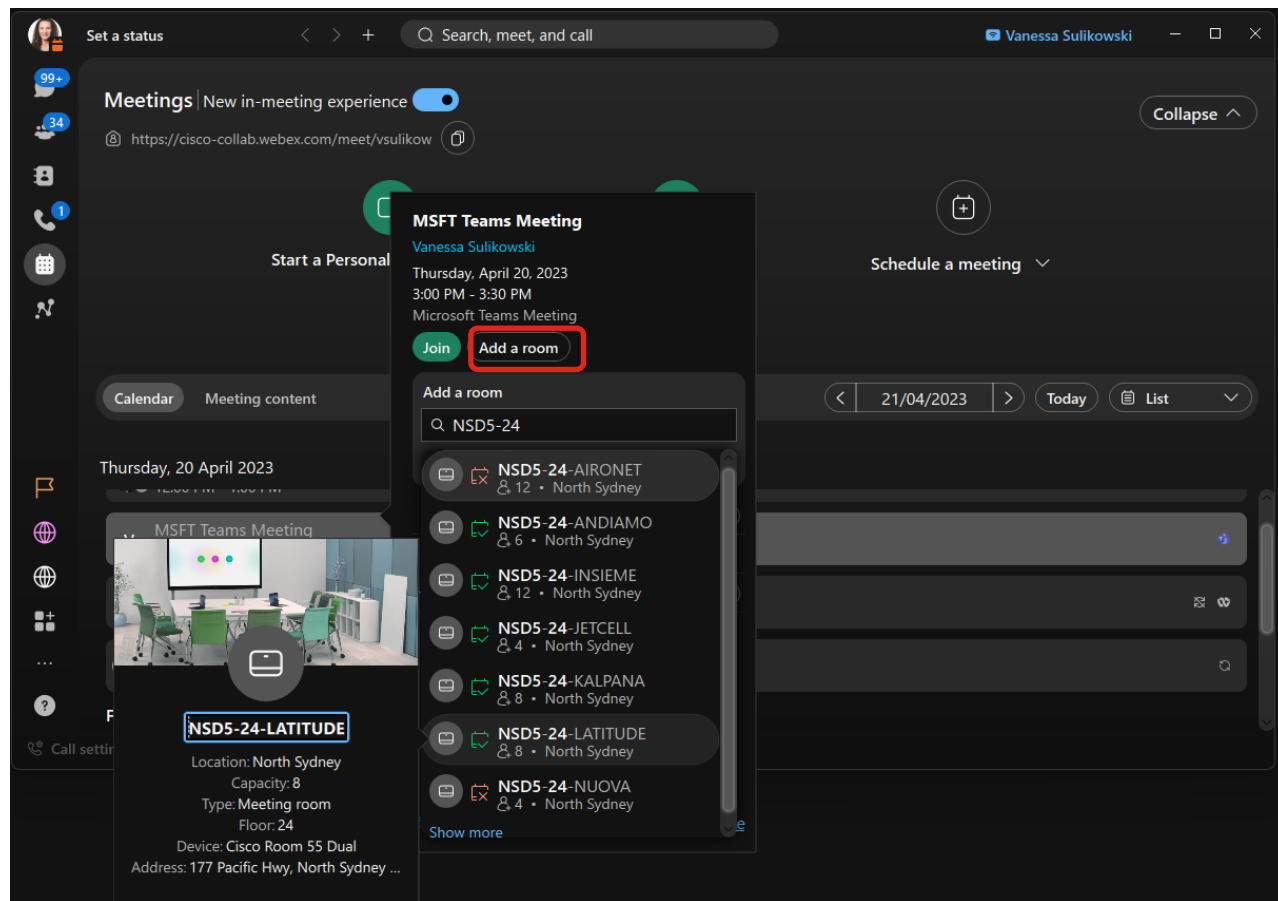
** Currently can configure booking or hot desking future workspace will have both



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

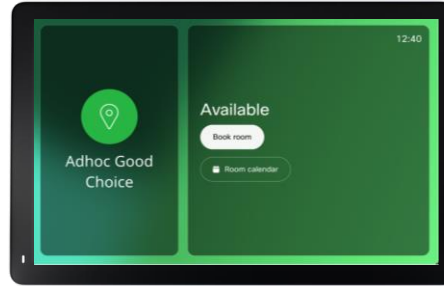


Adhoc Room Bookings

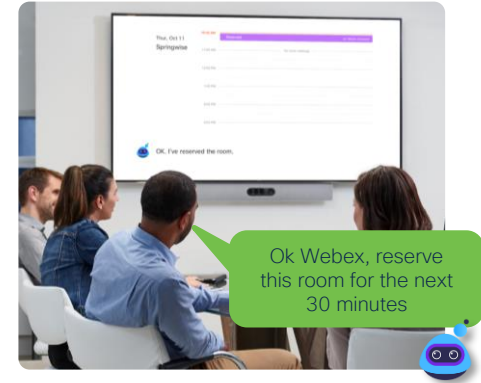
Enable in-room booking



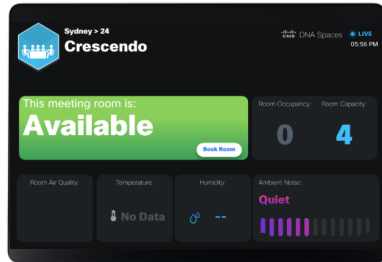
Book from Device



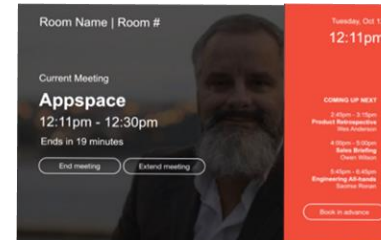
Book from Navigator
(inside and outside)



Book from Webex Assistant



Book from Spaces PWA



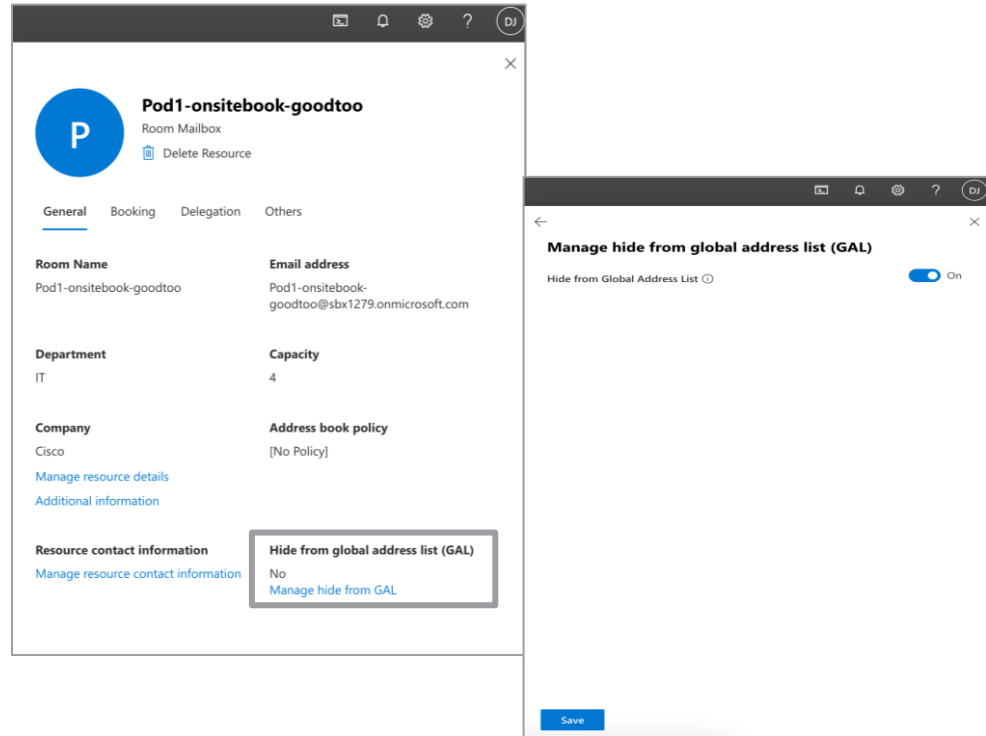
3rd Party Booking PWA

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

Cisco RoomOS Booking: Local Bookings

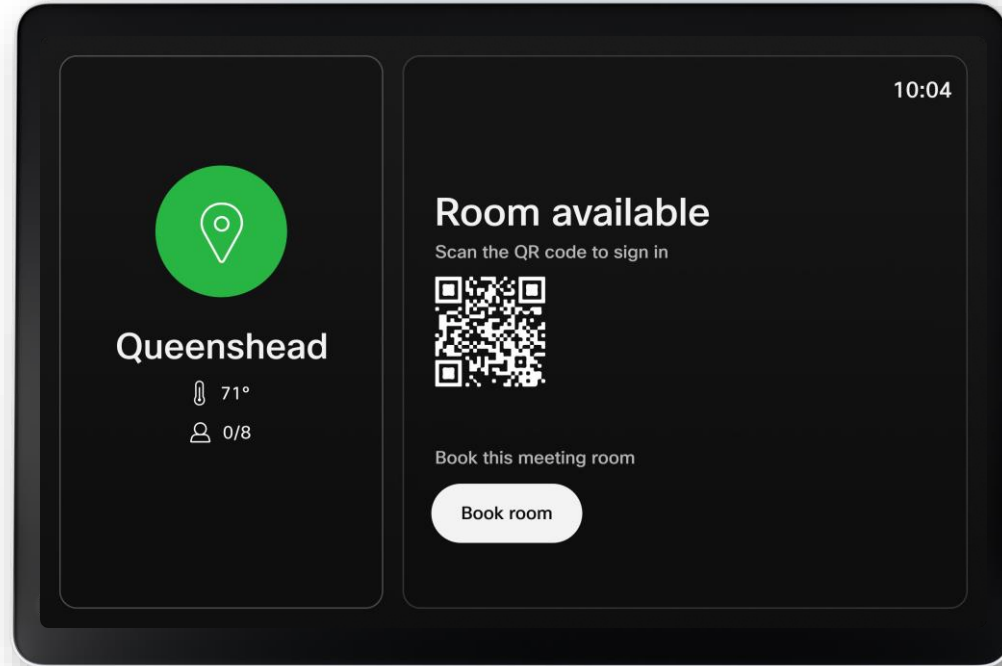
Supports **ad hoc reservations**
without calendar setup

storing booking status directly on the device

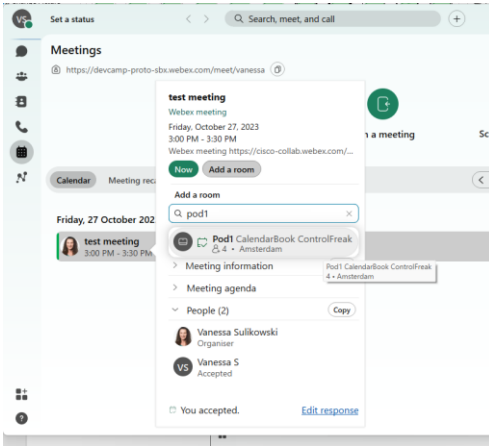
Will display room status, **available**,
occupied and **booked**

If room is configured as **hot desk**
capable will show **QR** and status of
person in the room if signed in

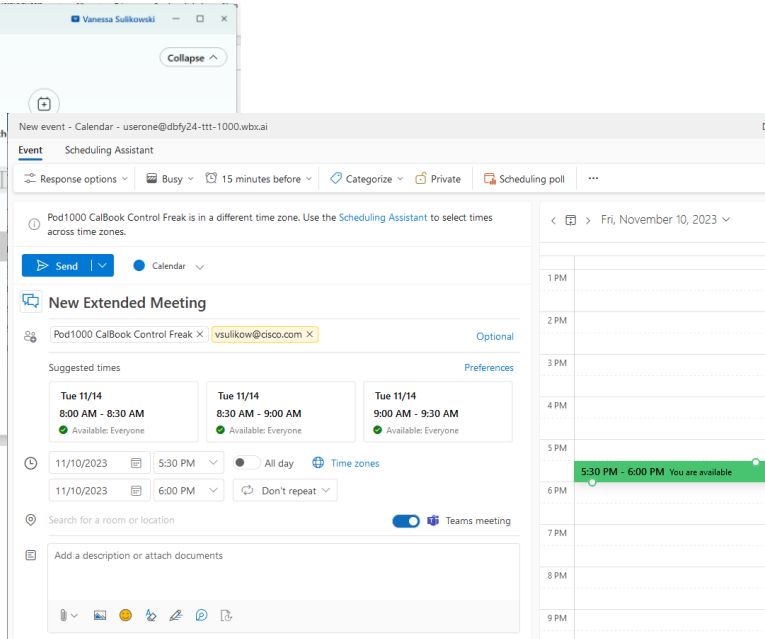
A third-party calendar provider can also
send calendar events and use Cisco's
room booking as the user interface.



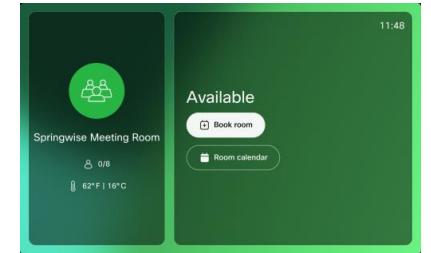
Most Popular: Both Scheduled and Adhoc Usage



Book in Webex App



Book from Calendar



Book from Navigator
(inside and outside)

Pre-book via any calendar enabled app

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

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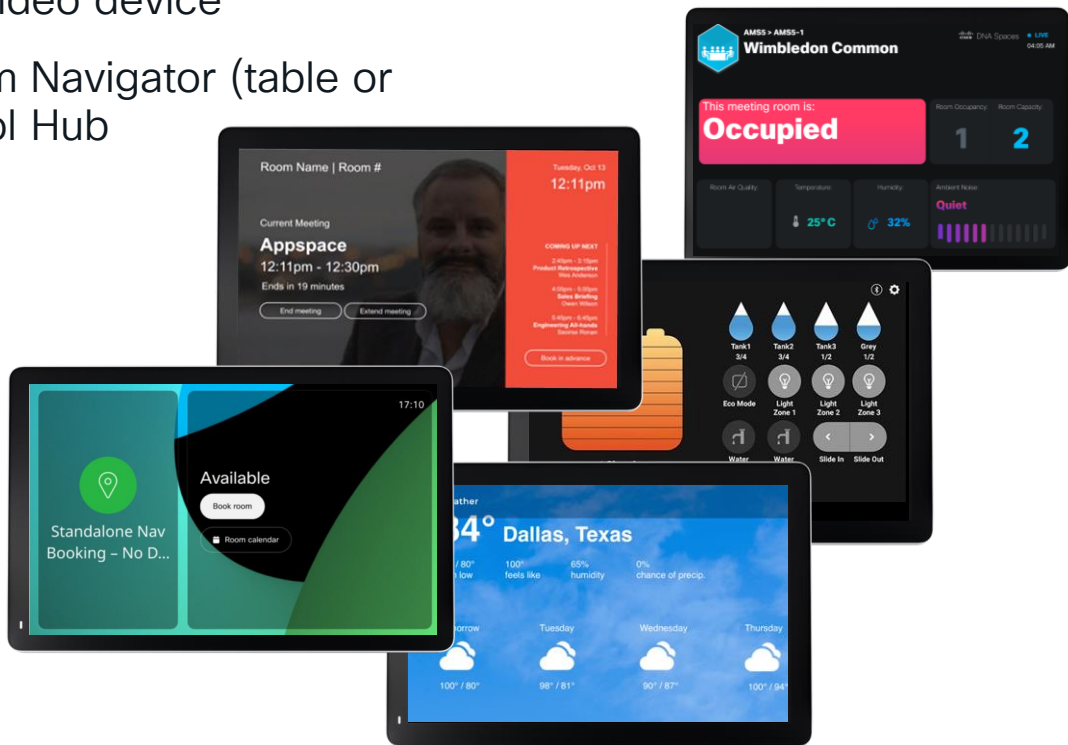
Navigator booking – rooms with no Cisco Devices

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
 - 3rd Party Booking app
 - Any web app..



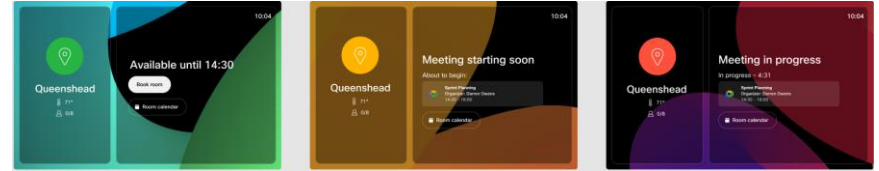
UI Refresh & Branding for Room Booking App

The [Room Booking App](#) now features a modern and stylish design to accommodate any customisation

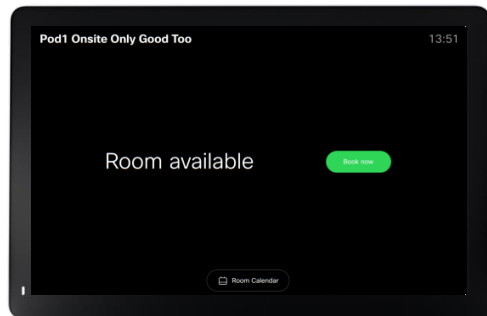
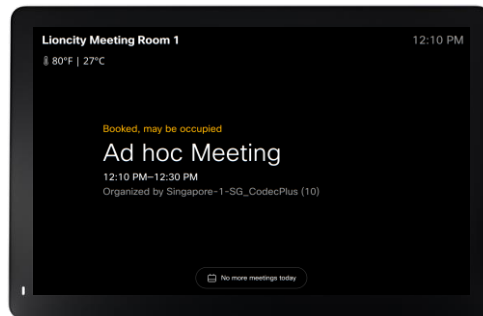
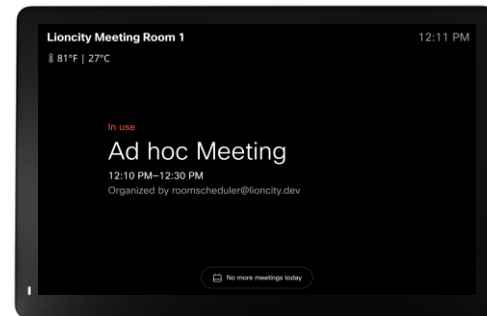
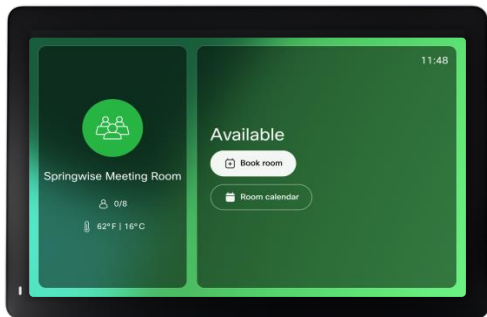
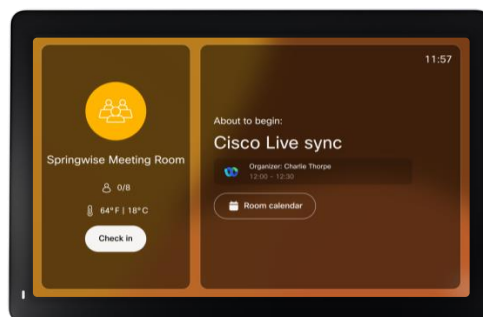
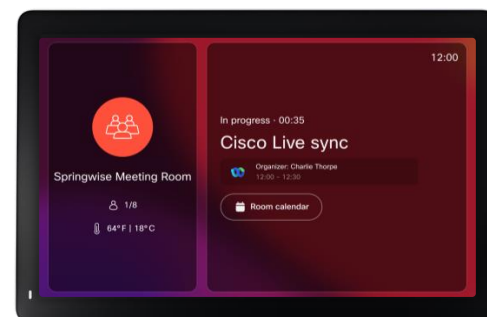
[Customise](#) the Room Booking Navigators

- with unique backgrounds, logos, and LED colors.

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



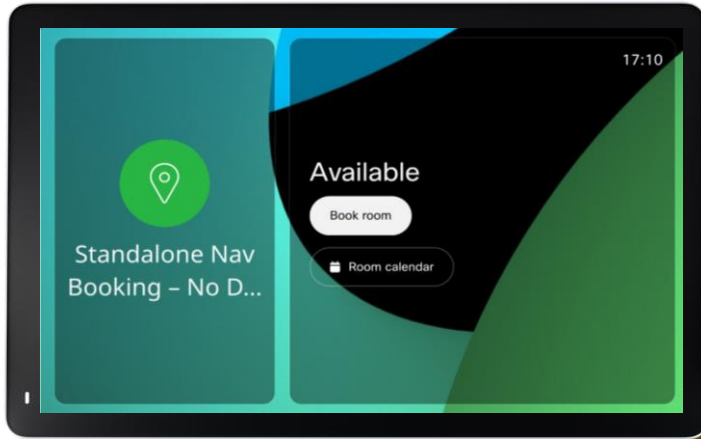
New RoomOS Scheduler Interface vs OLD



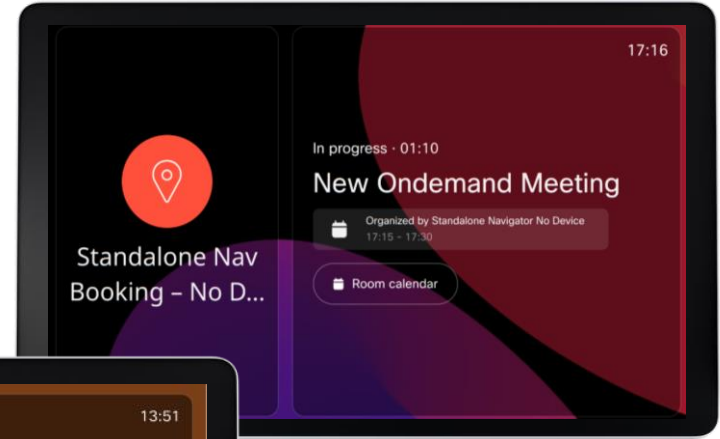
Customisation of Room Bookings Background



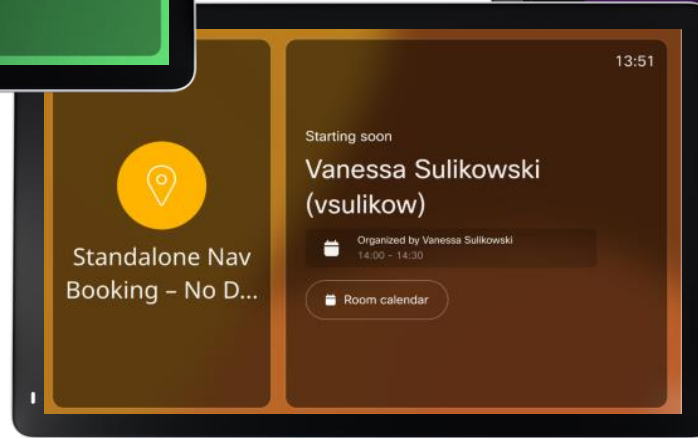
Navigator Standalone Workspace Bookings



Manage bookings
via calendar and
manually on the
navigator



Can change
default meeting
title for Ad hoc
Meetings



Check in/Check out for Room Bookings

Optimise room utilisation with check in/check out

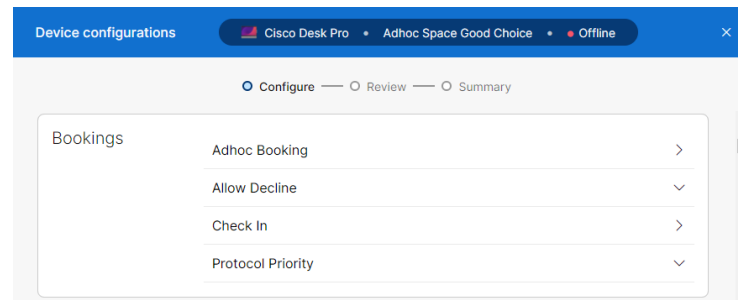
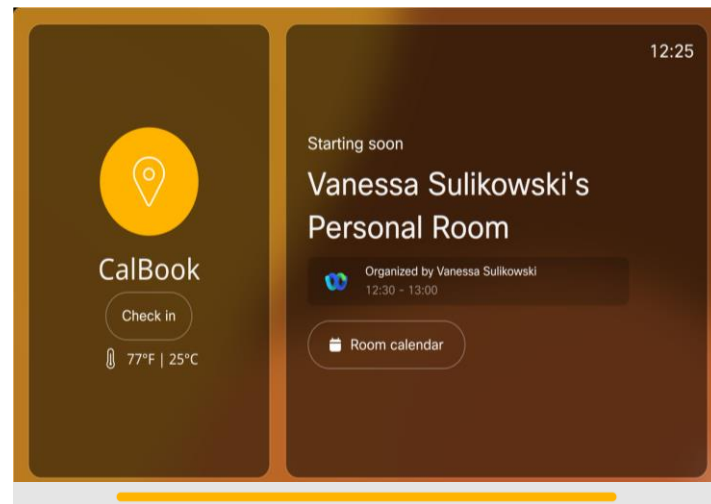
- People presence in room must be confirmed for a booking to persist
- If no presence detected room will free up and be available for others

Check-in can be done

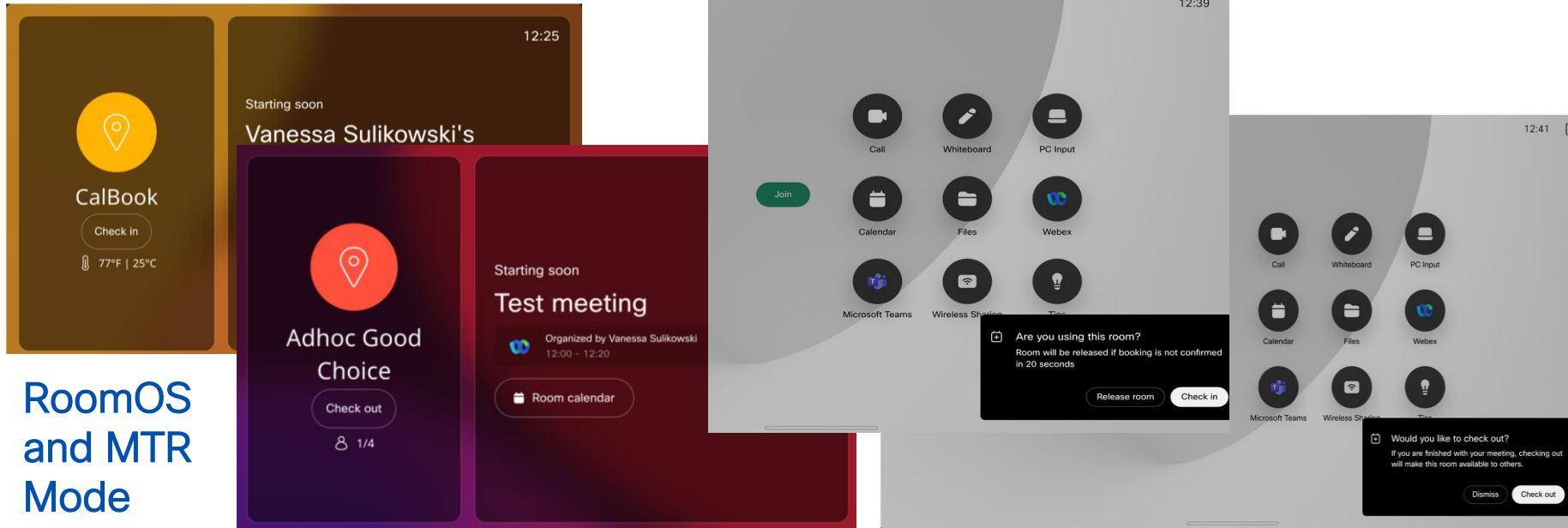
- manually by a press of a button
- or automatically using people count, via activity sharing a presentation, or simply joining a call.

Check-out action button

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



Room Booking Check In / Check Out



RoomOS and MTR Mode

A **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.

A **check out** action allows users to **free up a room** for any remaining time at the end of their meeting with a push of a button – when end a meeting / call will prompt if you want to check out..

Check-out Grace period & Booking Policy

Set **Max Booking Duration** – 0 to 24 hours (0 default)

When Check-In is Enabled can now change the **auto Check out duration** from 10 mins (5, 10, 15, 20, 30, 60)

Device configurations

Cisco Desk Pro • Adhoc Space Good Choice • Offline

Configure — Review — Summary

Select configurations

Select one or more configurations to apply to the selected device.

All > Bookings > Checkin

Enabled

Window Duration

Supported device types	Configuration value	Default	Undo
Cisco Desk Pro	10 (Default)	☒ Factory 10	

5
10
15
20
30
60

Next

Room Booking App

ROADMAP

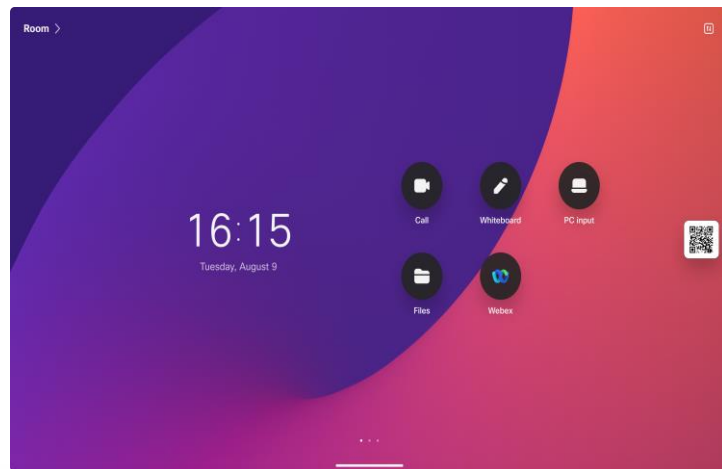
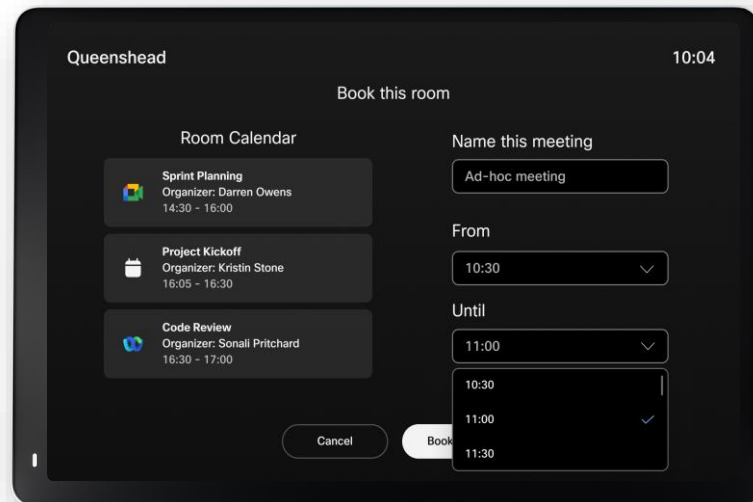
Adhoc Booking for a future time and date on navigator and device – Enables ad hoc bookings to start at any available time throughout the current day, not just the present moment.

Local Bookings – without Hybrid Calendar / or Mailbox – enables on-site only booking

3rd Party Calendar Mode – A third-party calendar provider can also send calendar events and use Cisco's room booking as the user interface.

Workspace will be able to be enabled with **both booking and hotdesking**

Workspace Analytics updates



Cisco Navigator as Microsoft Teams Panel



Cisco Navigator now supports Microsoft teams panel for room booking

Simple onboarding through first time wizard flow

Device is manageable in control hub as well as Teams admin center.

In the control hub, device is managed as a standalone navigator configured in the same workspace as the MTR device or in its own workspace for rooms without any devices.

Only supported on Wall/Table Room Navigator with 4GB or RAM

Microsoft Teams panel

Teams Admin Center only registration

LED Status

Wall Navigator LED colour ring will change based on the following:

- Green – Workspace is not reserved
- Purple – Workspace is booked or reserved. The workspace may or may not be occupied.
 - LED will turn purple 10 mins before meeting is due to start



Microsoft Teams panel

Control Hub and Teams Admin center registration

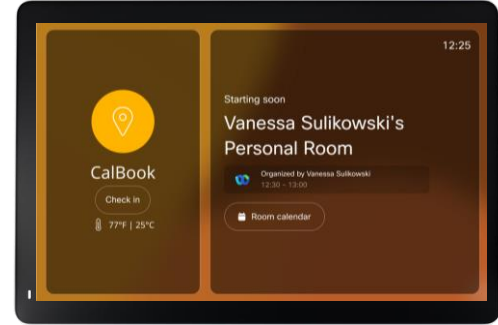
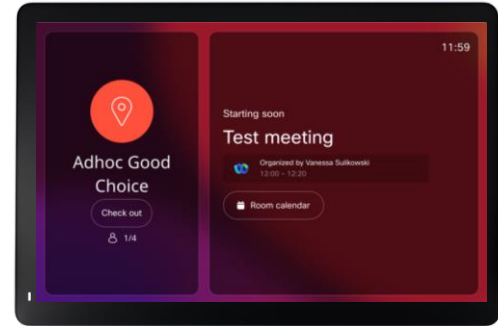
LED Status

Wall Navigator LED colour ring will change based on the following:

- Green – Workspace is not reserved or occupied
- Amber – Workspace is booked/reserved and unoccupied
- Purple – Workspace is occupied. May or may not be booked/reserved (check MTP display to confirm)

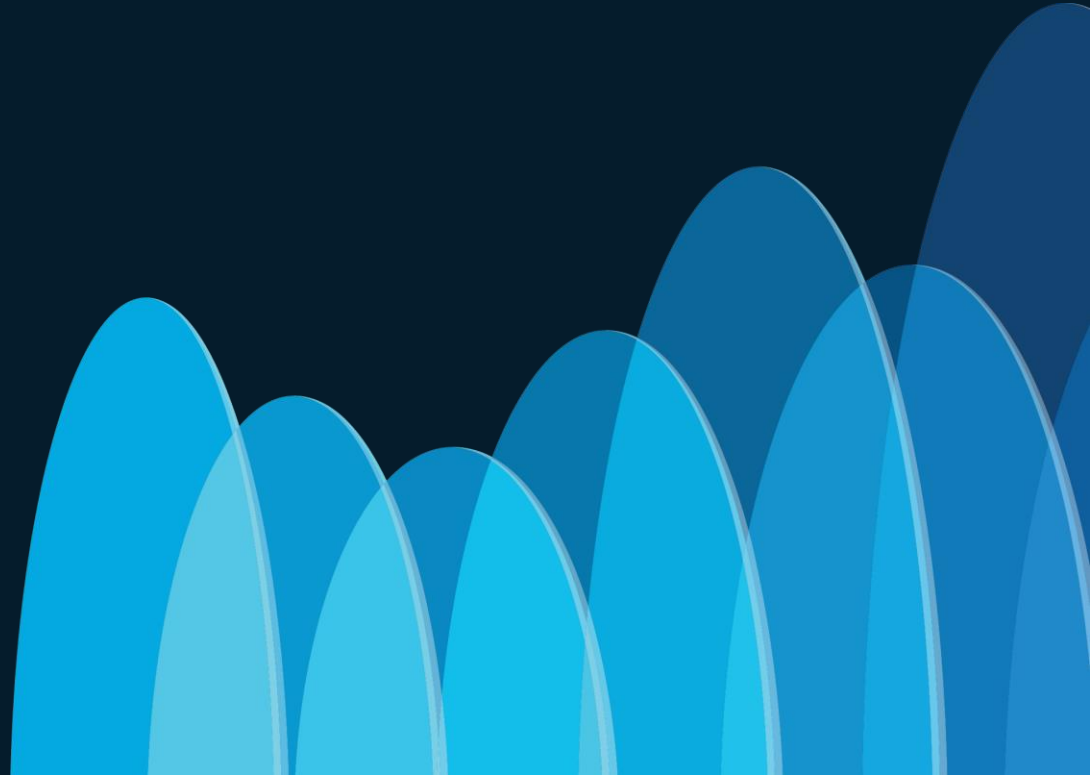


MTR Device + RoomOS Booking Panel



RoomOS booking app on Navigator gives greatest booking functionality and room visibility when in MTR mode, including all room **status** and **check-in** and **check-out** buttons

Smarter Workspaces Types



Purposeful Workspaces – Aligned to Activities



Hot Desk



Quiet Room – (2)



Brainstorming Huddle



Medium Conference



Innovation Suite



Video Booth



Traditional Huddle



Meeting Small



Medium Brainstorming



Large Briefing



Quiet Room – (1)



Casual Huddle



Small Brainstorming



Medium Video Centric



Training / Events

cisco *Live!*

Smart Collaboration Devices for All Space Types



Voice and
Video Phones



Desk
Series



Desk
Cameras &
Headsets



Desk
Pro



Room Bars
& Kits



Board
Pro



EQX

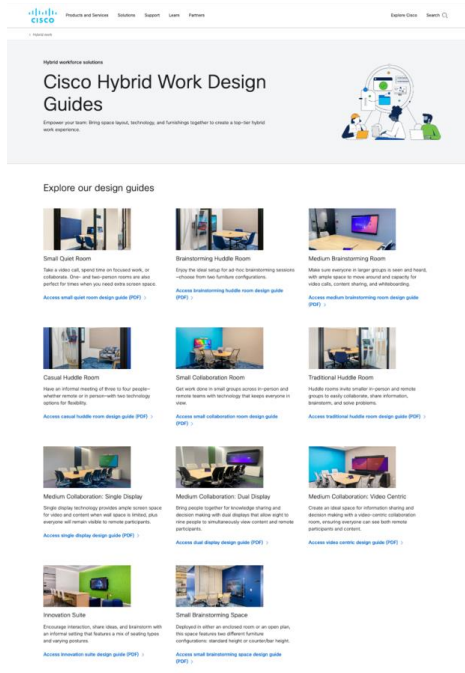
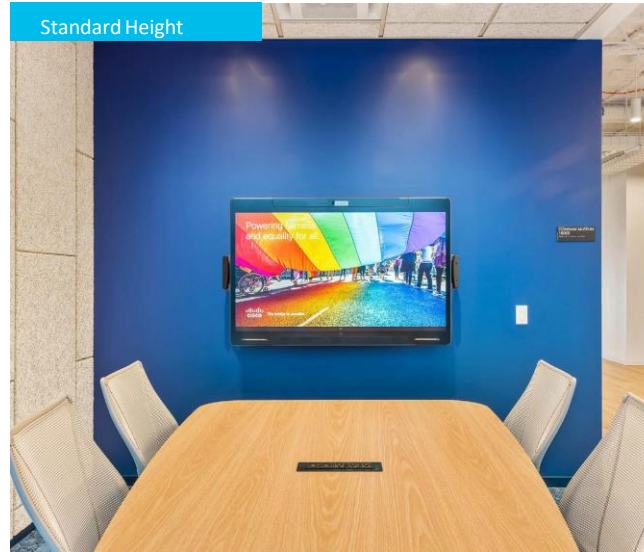
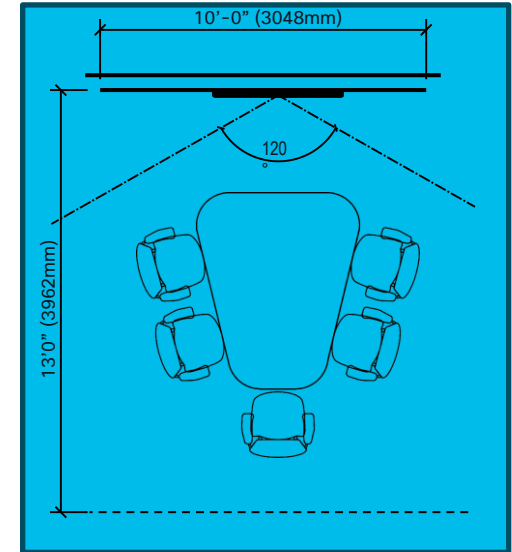


RoomOS



MTR mode

Design Guides available on cisco.com



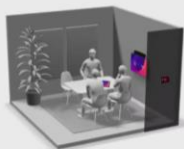
<https://www.cisco.com/site/us/en/solutions/hybrid-work/design-guides.html>

Design your workspace.

Explore our interactive configurator and design your spaces for exceptional outcomes.

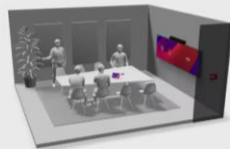
Small Room

4-6 人



Medium Room

6-10 人



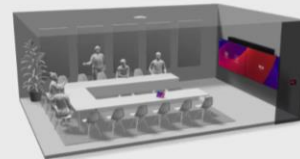
Large Room

11-24 人



Executive Boardroom

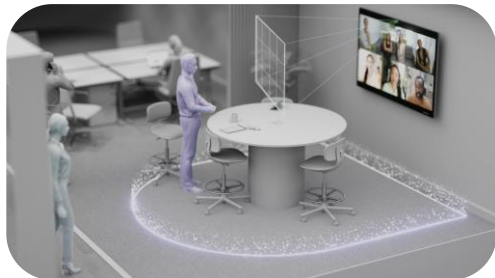
11-24 人



cs.co/workspacedesigner

Intelligent Cinematic Meeting Room Capabilities

Meeting Zones



Eliminate distractions in open spaces and glass-walled rooms

Presenter and Audience



Cinematic experiences in auditorium-style rooms

Crossview



Capture across-the-table discussions and no longer see the backs of heads.

Extended Speaker Track

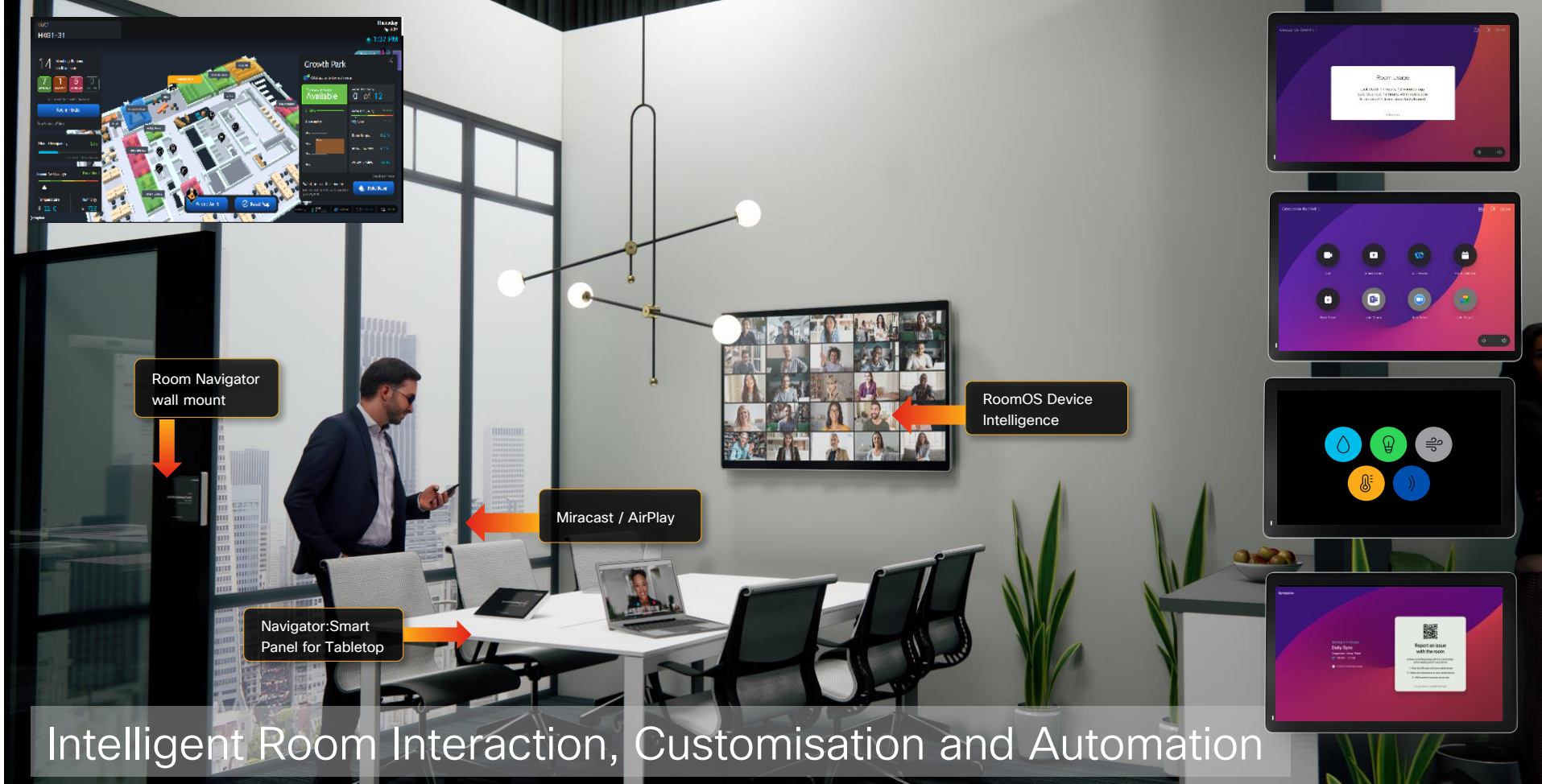


High-quality close-ups and people framing in large rooms

Campfire



Reimagine the most critical meetings



Workspace Management and Analytics



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



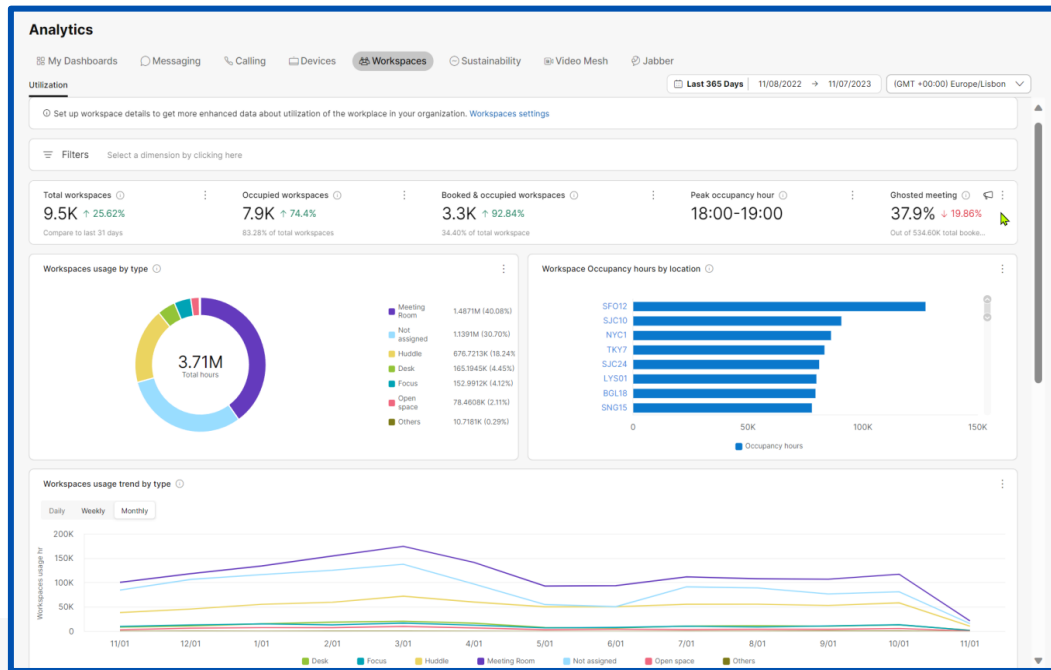
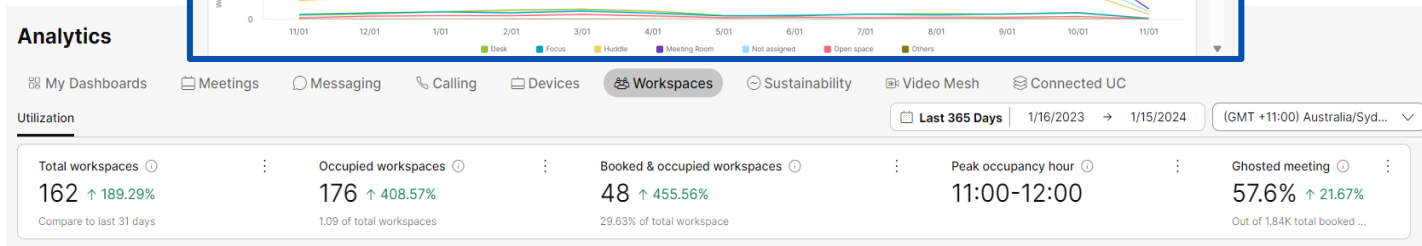
Device
Management
Search by device name
or meeting ID



Stats
Stats per device, real
time or historic



Health & Security
Enterprise Health and
Readiness Assessment



Leveraging the wider Cisco Capabilities





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

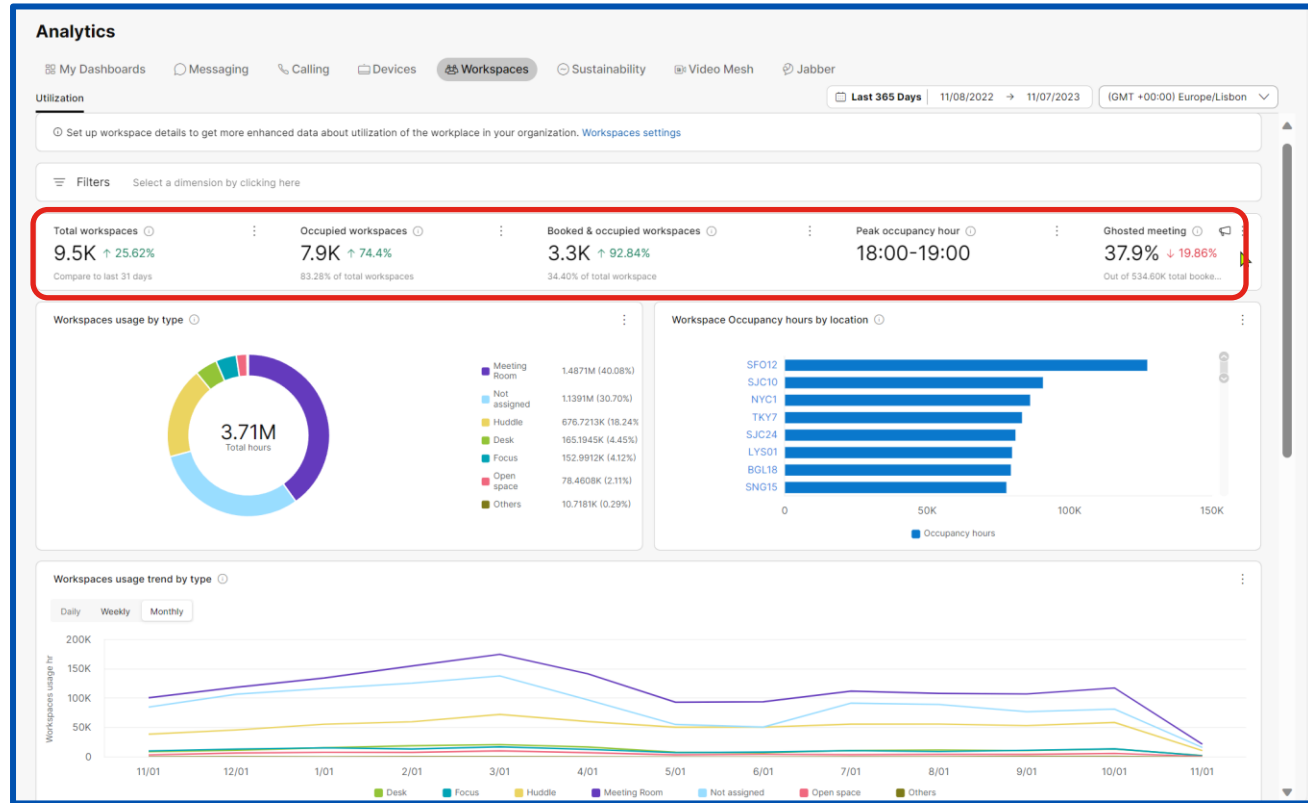
cisco *Live!*



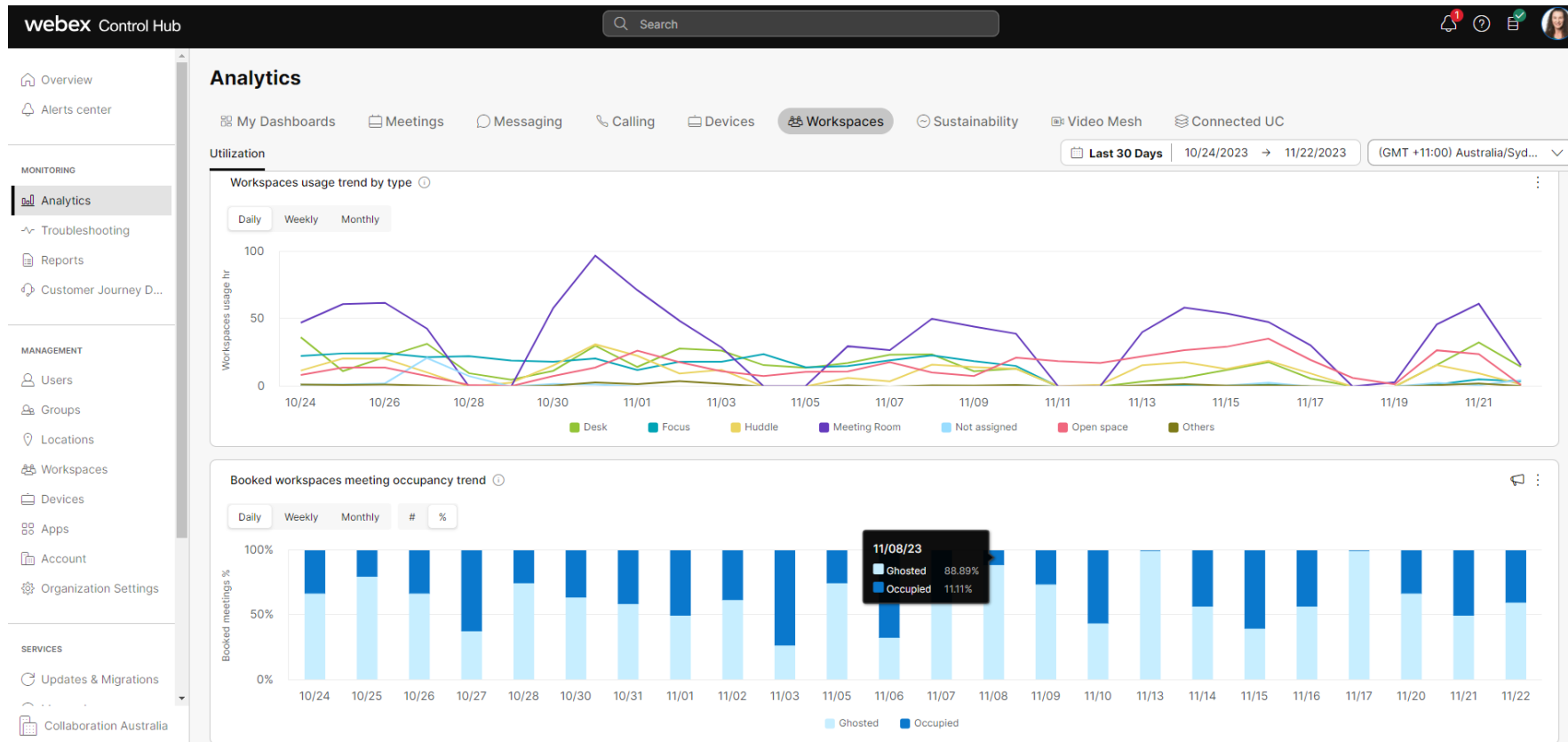
Workspace Analytics – All Devices Utilisation

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

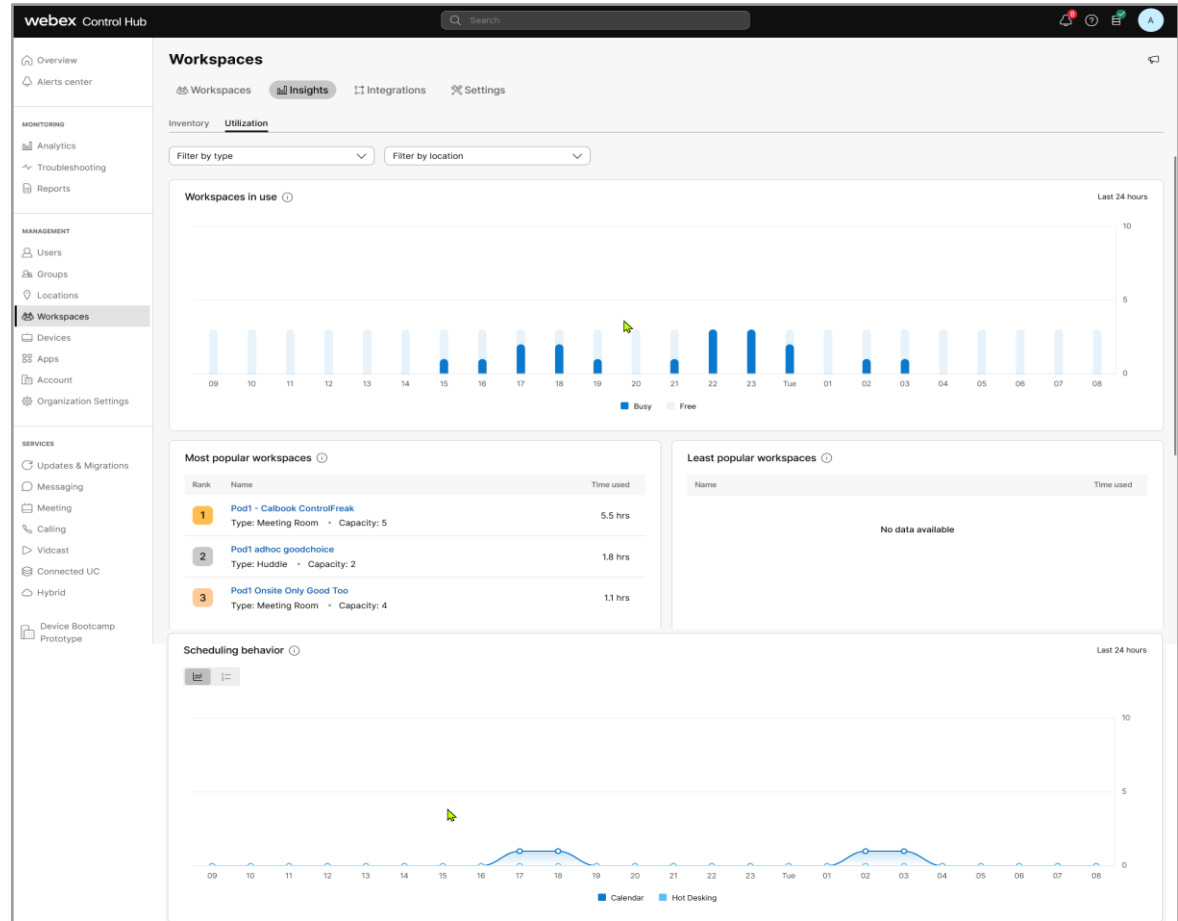


Workspace Analytics – Ghosted Workspaces

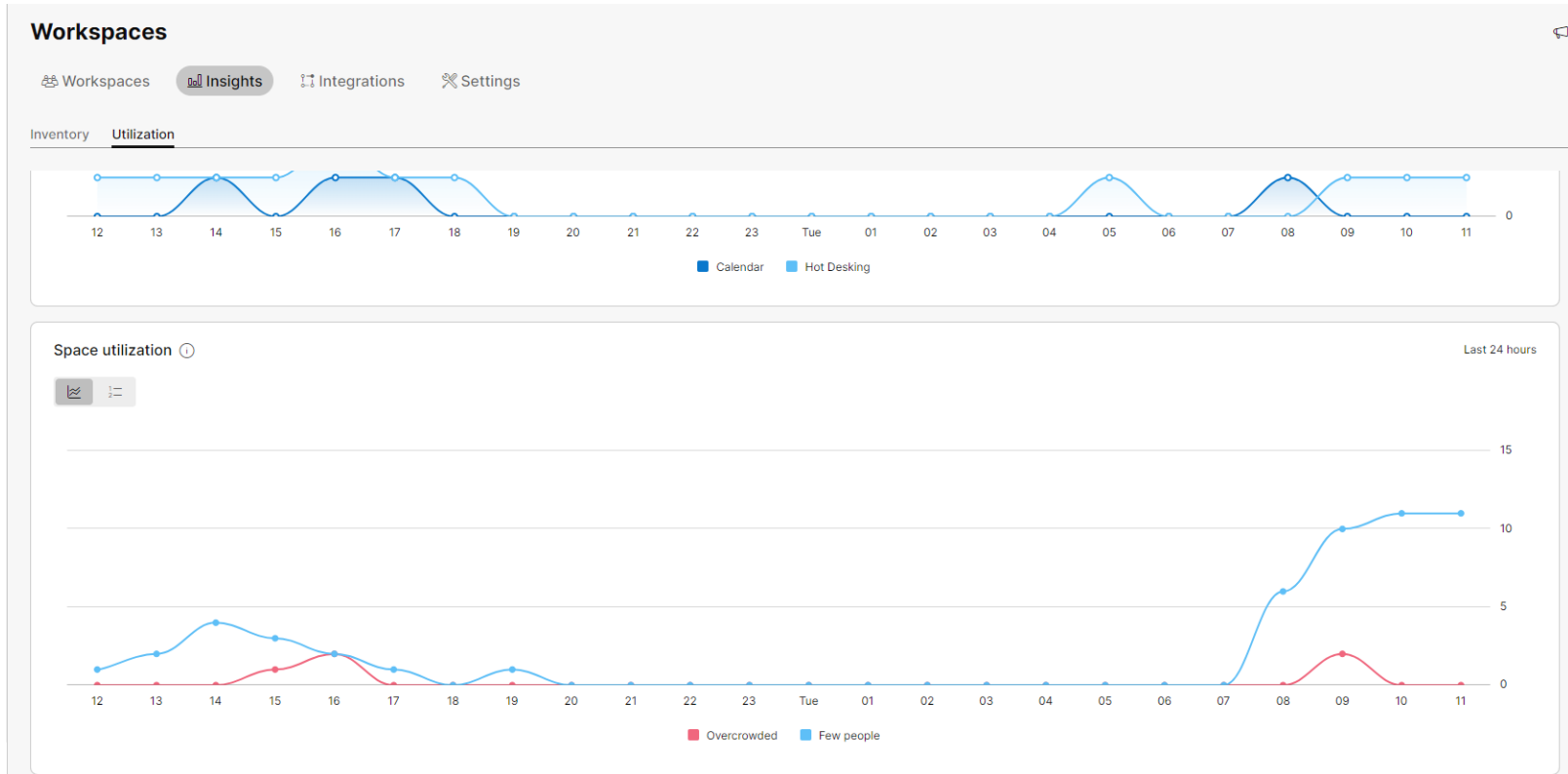


Workspace Insights Dashboard Utilisation

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



Workspace Insights – Space Utilisation

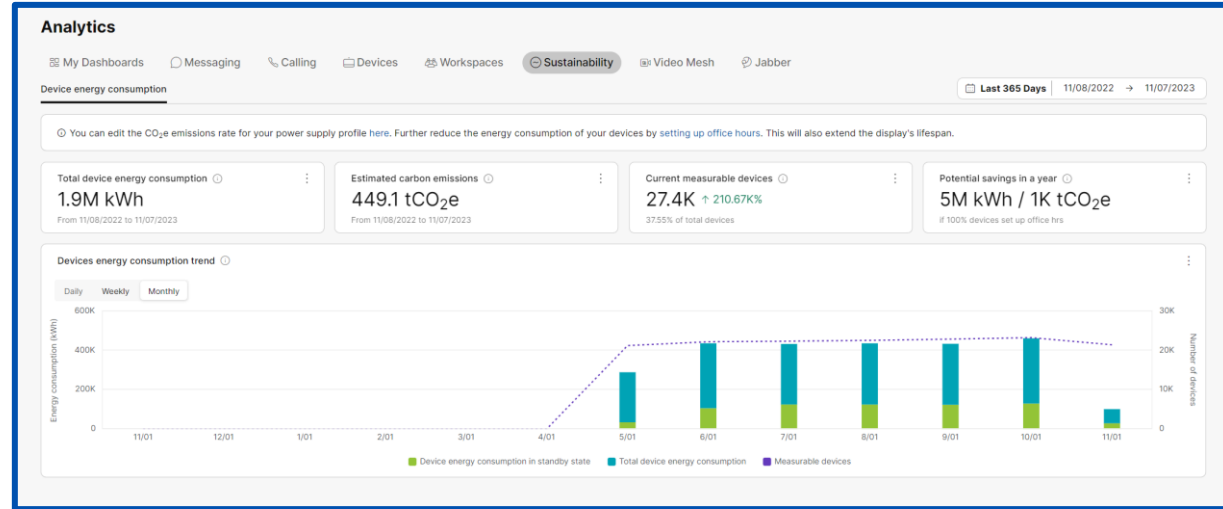


Sustainability Analytics

Energy consumption of Cisco collaboration 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



Cisco Spaces

Environmental and Space Occupancy Analytics

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:

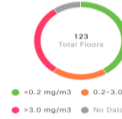
Extend occupancy and environmental data to third party apps and data lakes

Showing data for March 2022

CO2



TVOC



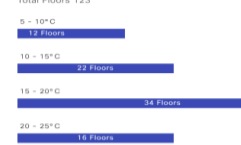
AMBIENT NOISE



HUMIDITY



TEMPERATURE



Space Utilization

Sydney

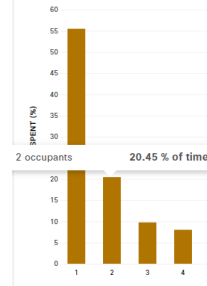
L24 WebEx

August 2024

All Workdays

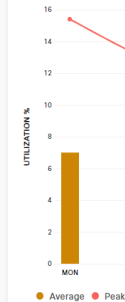
% Time spent by Occupant Count

Breakdown of occupied time by number of occupants in the room

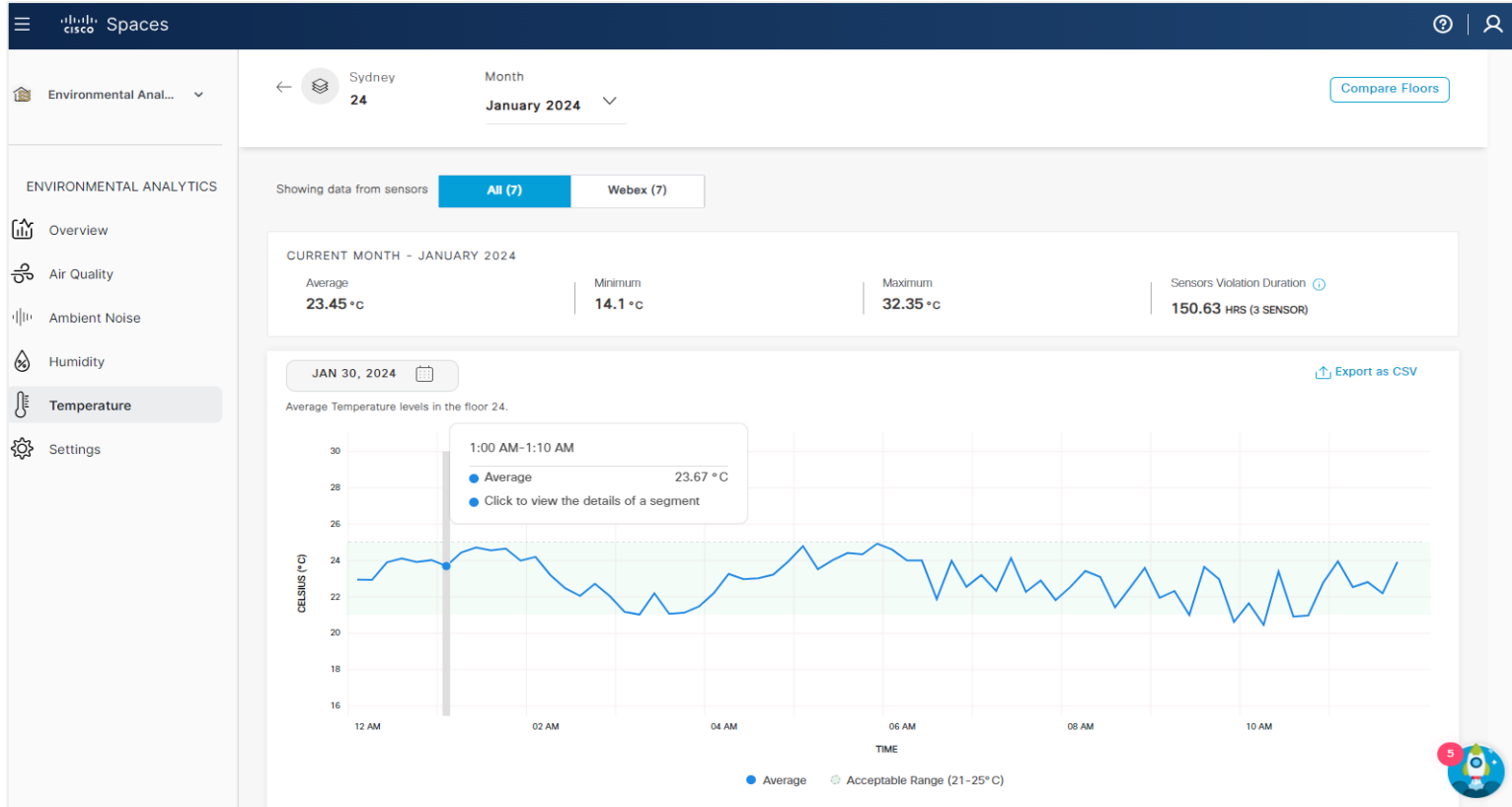


Room Utilization by Day of Week

% time rooms occupied by day of week



Environmental Analytics Dashboard App

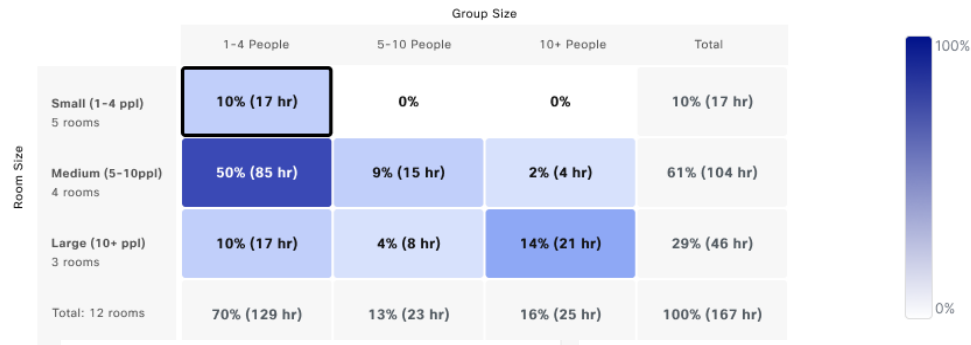


Space Utilisation Dashboard App

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

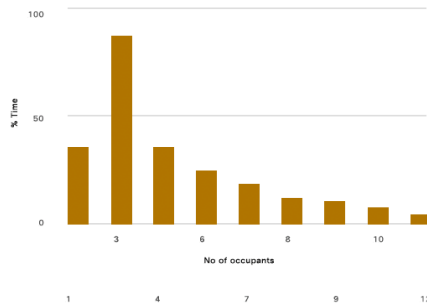
Meeting Room Capacity vs. Occupancy Matrix

Analyze utilization for meeting room capacity and actual occupancy



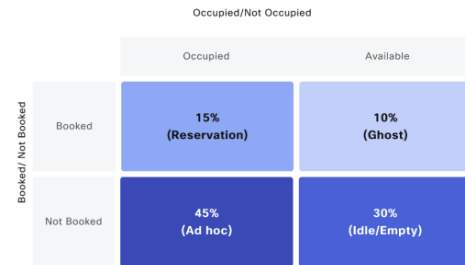
Room Occupancy no. of occupants

Breakdown of occupied time by no. of occupants in room



Occupancy pattern

Percentage of time are meeting rooms are used.



Enabling a Smarter Workplace



Curated
Experiences



User Experience



AI enablement
and Interop



Automation &
Optimization

cisco *Live!*

Keynote Deep Dives

Wednesday
10:30am – 11:30am



Experiences Amplified:
How AI Can Fuel
Better Employee
and Customer
Experiences

Level 1
Room 106



Smart, Secure,
Seamless:
Transforming
Experiences with
Next-Generation
Networking

Level 2
Room 204



Harness a Bold
New Era:
Transform Data
Centre and
Service Provider
Connectivity

Level 2
Room 203



Securing User to
Application and
Everything in
Between

Level 2
Melbourne Room 2



Unlocking
Digital Resilience
through Unified
Observability

The HUB
Centre Stage

Complete Your Session Evaluations



Complete a minimum of 4 session surveys and the Overall Event Survey to claim a **Cisco Live T-Shirt**.



Complete your surveys in the **Cisco Live mobile app**.



Continue your education



- Visit the Cisco Stand 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



Thank you

CISCO *Live!*

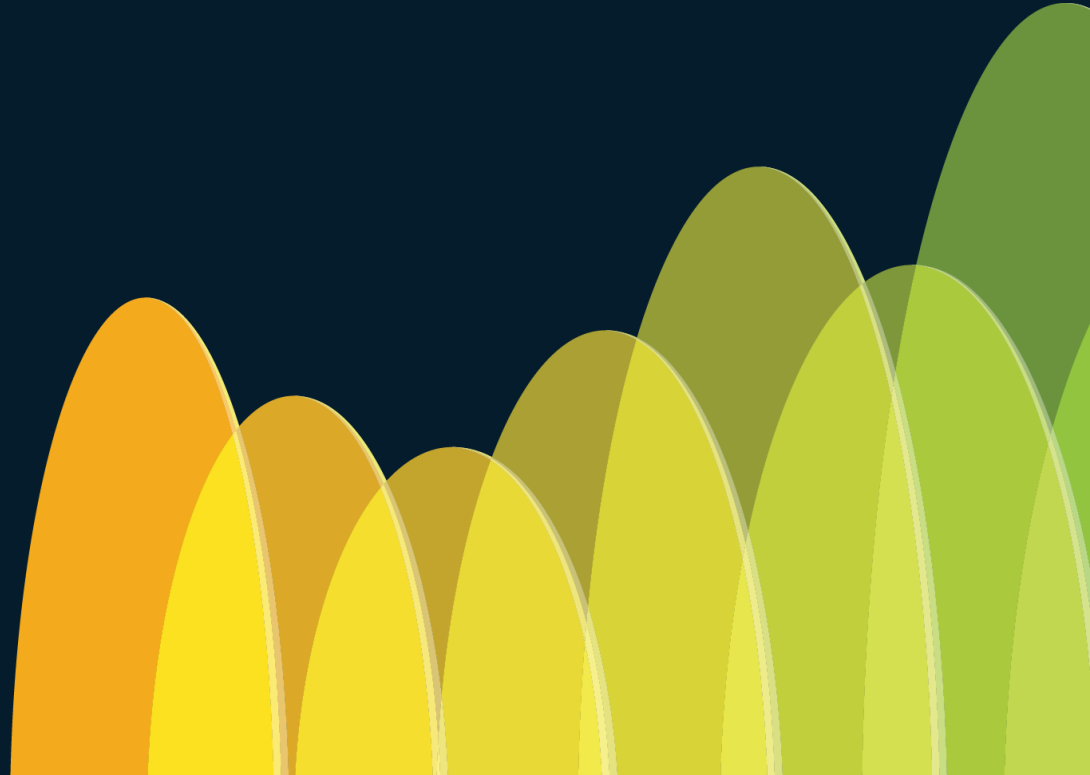
#CiscoLiveAPJC

CISCO *Live!*

GO BEYOND

#CiscoLiveAPJC

Appendix



Detailed Cisco Spaces and Control Hub Integration



Cisco Spaces – Pre Control Hub Integration Steps

1 Digital Maps

0 Build maps pending

Upload your CAD file(s) for Canberra

Make sure each CAD file contains all layers, such as architecture, furniture, names, and IDs for all elements you want converted. Only elements with names or IDs can support sensor assignments.

Upload only one CAD file per floor. Cross references (XREFs) are not supported.
Supported file types: ZIP, DWG, DXF, PDF

Drag & drop the file(s) here
OR
Click here to upload

Remarks
Eg: This file contains signage details

Add Digital Map

Upload CAD File to Location

2 Setup > Locations and Maps

Locations Network Maps Digital Maps

Digital Maps Pro generated for 1 building.
Please review and confirm the changes.

Review

SUMMARY

0/1 Buildings digital maps imported

1 Buildings digital maps review pending

0 Buildings with Errors

Add Digital Map

Review Processed Digital Map

3 Review Digital Maps: SJC10

Select a floor from the list below & associate with the correct digital map

0 of 0 digital maps associated

FLOORS

Digital map for "Floor 1" Select

There are no floors in this building. Click the link below to add new floor

Add new floor

Press Control Key + Mouse Right Button/Trackpad and drag to adjust map pitch and bearing

Stop this Building Publish this Building

4 Review Digital Maps: SJC10

Select a floor from the list below & associate with the correct digital map

Digital map for "Floor 1" 1 not saved

0 of 2 digital maps associated

FLOORS

Digital Map

Add new floor

Floor 1

Floor 2

Associate "Floor 1" with this map Save

Press Control Key + Mouse Right Button/Trackpad and drag to adjust map pitch and bearing

Stop this Building Publish this Building

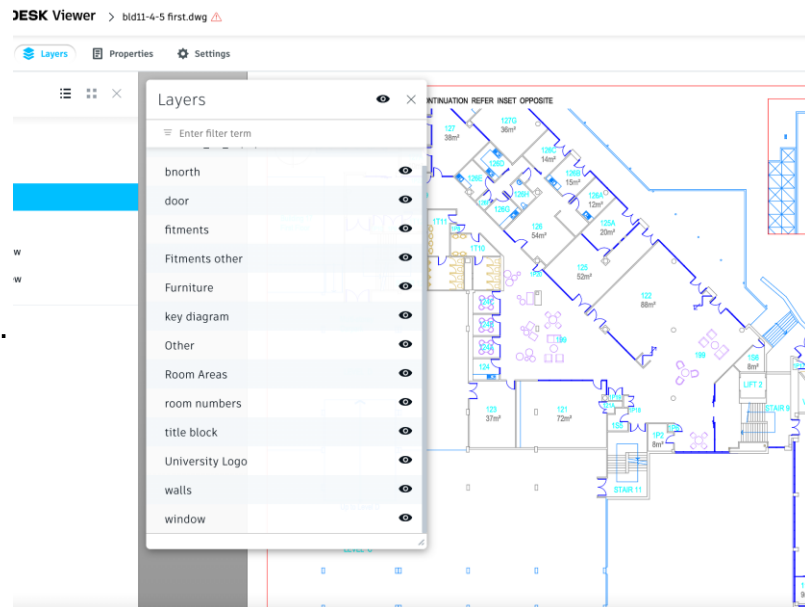
cisco Live! Add Location Floors

Associate with Floors and Publish Building

What makes a good CAD File for Smart Workspaces?

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

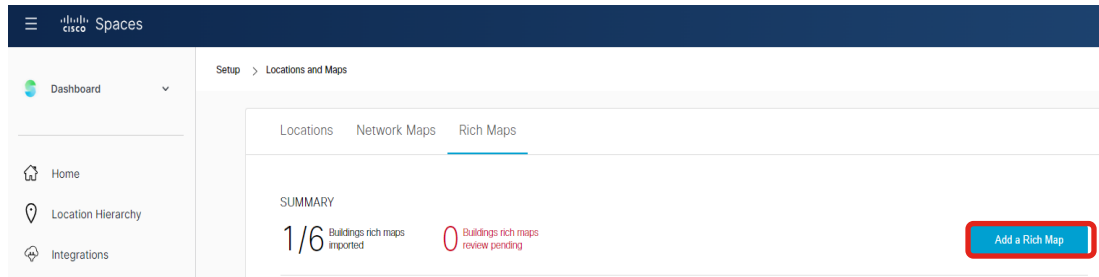
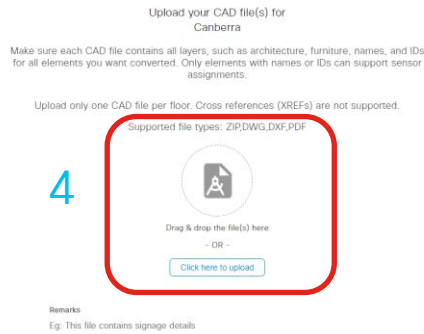
1. Architectural layers (e.g. walls, doors, stairs, windows, etc.)
 2. Furniture layer
 3. Space names / IDs / labels
- Spaces (Space Type) marked clearly or detail provided. For example, a space with a collaboration endpoint will need a room or desk to assign it to.
 - Have clearly defined or marked 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)

Uploading CAD files to Cisco Spaces

1



4

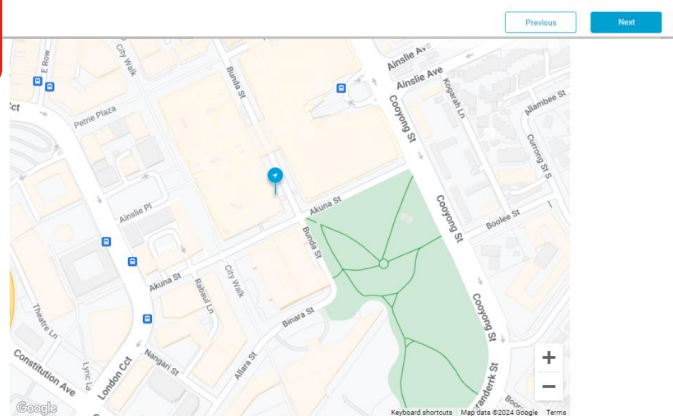
Add Rich Map: Canberra

2

Select the location that you would like to add rich map

Search Locations			
Name	Address	#of Floors	Path
☐ Melbourne	101 Collins St, Melbourn...	2	ANZ-WebexDemo
☒ Canberra	224 Bunda St, Canberra A...	1	ANZ-WebexDemo

3



Review Digital Maps and Assign to Location

Setup > Locations and Maps

Locations Network Maps Digital Maps

Digital Maps Pro generated for 1 building.
Please review and confirm the changes.

[Review](#)

SUMMARY

Review Digital Maps: SJC10

Select the building where you want to upload digital map

Search Locations			
Name	Address	#of Floors	Path
☒ SJC10	NA	0	Workspacesadmin1001

1 Records Items per page: 10 1 - 1 of 1

Next

Cisco Spaces – Add Maps to Location Floors

Review Digital Maps: SJC10

Select a floor from the list below & associate with the correct digital map

Digital map for ** Select

0 of 0 digital maps associated

FLOORS DIGITAL MAP

There are no floors in this building. Click the link below to add new floor.

[Add new floor](#)

Press Control Key + Mouse Right Button/Trackpad and drag to adjust map pitch and bearing

Review Digital Maps: SJC10

Select a floor from the list below & associate with the correct digital map

Digital map for "Floor 1" 1

0 of 2 digital maps associated

FLOORS DIGITAL MAP

[Add new floor](#)

Floor 1

Floor 2

1

2

Clear

Press Control Key + Mouse Right Button/Trackpad and drag to adjust map pitch and bearing

Skip this Building Publish this Building

On this floor

Add Floors
and Select
map for Floor

Cisco Spaces – Associate Map and Publish Building

Review Digital Maps: SJC10

Select a floor from the list below & associate with the correct digital map

FLOORS

Add new floor

Floor 1

Floor 2

DIGITAL MAP

Digital map for "Floor 1" 1 not saved 0 of 2 digital maps associated

On this floor

- Rest Rooms
- Help Desk
- Stairs
- Lift

Press Control Key + Mouse Right Button/Trackpad and drag to adjust map pitch and bearing.

Skip this Building Publish this Building

Associate Floor with Map and Then Publish Building

Cisco Spaces

View/Edit Digital Map associated to Locations and Floors

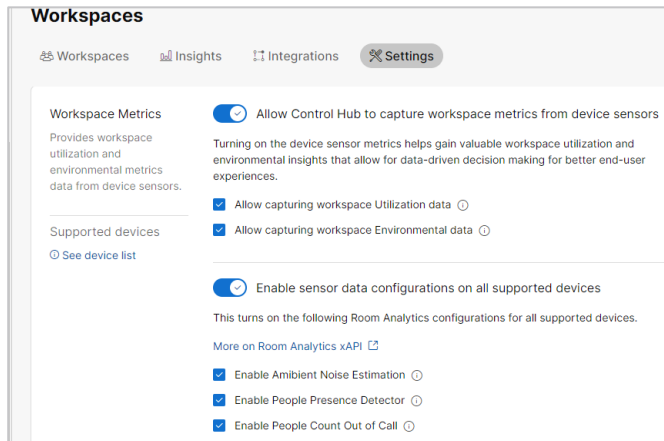
The screenshot shows the Cisco Spaces web interface. The top navigation bar includes a menu icon, the Cisco logo, and the word 'Spaces'. Below this, a secondary navigation bar highlights 'Locations and Maps'. The left sidebar contains a 'Setup' dropdown menu with options: Dashboard, Home, Location Hierarchy, Integrations, Monitor, Admin Management, IoT Services, and Setup. The main content area is titled 'Locations and Maps' and features a 'SUMMARY' section with a large '30' and a '1/1' indicator. Below this, a 'Buildings' section contains a search bar and a table of buildings. The table has columns for Name, Path, Floors with Maps, Type, Processing Status, and Actions. The first row shows 'SJC10' with path 'BootCamp05', '2/2' floors, 'PRO' type, and a 'View/Edit' button. A red box highlights the 'View/Edit' button in the original image.

Name	Path	Floors with Maps	Type	Processing Status	Actions
SJC10	BootCamp05	2/2	PRO	-	View/Edit



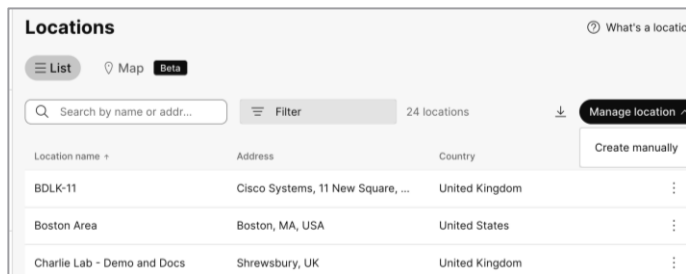
Control Hub Pre Spaces Integration – Key Steps

1



Enable Workspace Metrics

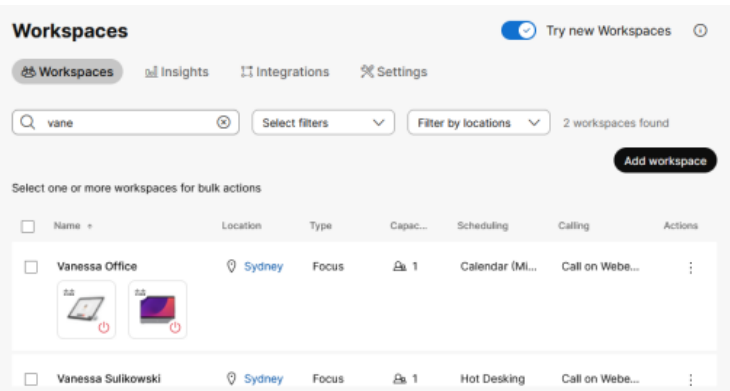
2



Location name	Address	Country
BDLK-11	Cisco Systems, 11 New Square, ...	United Kingdom
Boston Area	Boston, MA, USA	United States
Charlie Lab - Demo and Docs	Shrewsbury, UK	United Kingdom

Create/Update Locations

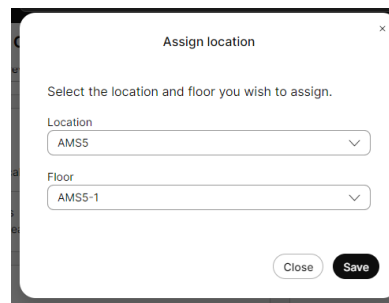
3



Name	Location	Type	Capac...	Scheduling	Calling	Actions
Vanessa Office	Sydney	Focus	1	Calendar (Mi...	Call on Webe...	
Vanessa Sulikowski	Sydney	Focus	1	Hot Desking	Call on Webe...	

Add/Rename Workspaces

4



Assign to Location

Enabling Control Hub Workspace Metrics

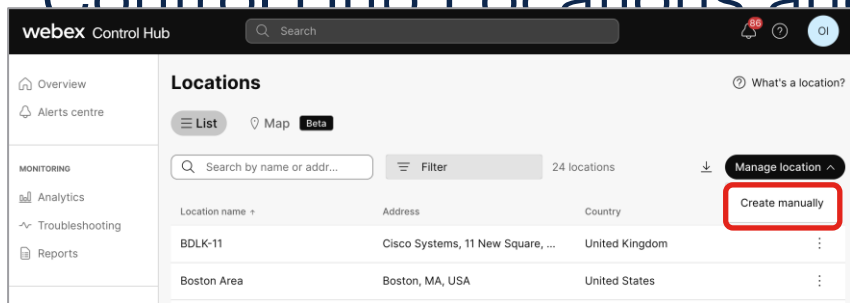
- Ambient Noise Estimation
- People Count Out Of Call
- People Presence Detector

The screenshot shows the Cisco Webex Control Hub interface. On the left is a navigation sidebar with a 'MANAGEMENT' section containing 'Users', 'Groups', 'Locations', 'Workspaces' (highlighted), 'Devices', 'Apps', 'Account', and 'Organization Settings'. Below this is a 'SERVICES' section with 'Updates & Migrations', 'Messaging', 'Meeting', 'Calling', 'Vidcast', 'Connected UC', 'Hybrid', and 'Device Bootcamp Prototype'. The main content area is titled 'Workspaces' and has tabs for 'Workspaces', 'Insights', 'Integrations', and 'Settings' (which is active). Under the 'Settings' tab, there are two main sections. The first is 'Workspace Metrics', which includes a description and a toggle switch for 'Allow Control Hub to capture workspace metrics from device sensors' (which is turned on). Below this are two checked checkboxes: 'Allow capturing workspace Utilization data' and 'Allow capturing workspace Environmental data'. The second section is 'Supported devices', with a link to 'See device list'. Below this is another toggle switch for 'Enable sensor data configurations on all supported devices' (turned on), followed by a link to 'More on Room Analytics xAPI'. At the bottom of this section are three checked checkboxes: 'Enable Ambient Noise Estimation', 'Enable People Presence Detector', and 'Enable People Count Out of Call'. A final section titled 'Data privacy protection' contains a paragraph explaining that data may be processed by Cisco for historical analytical reports, stored in compliance with Cisco Webex Platform data locality standards, and that the stored data is anonymous.

**Important for Control Hub Workspaces Analytics as well

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

1

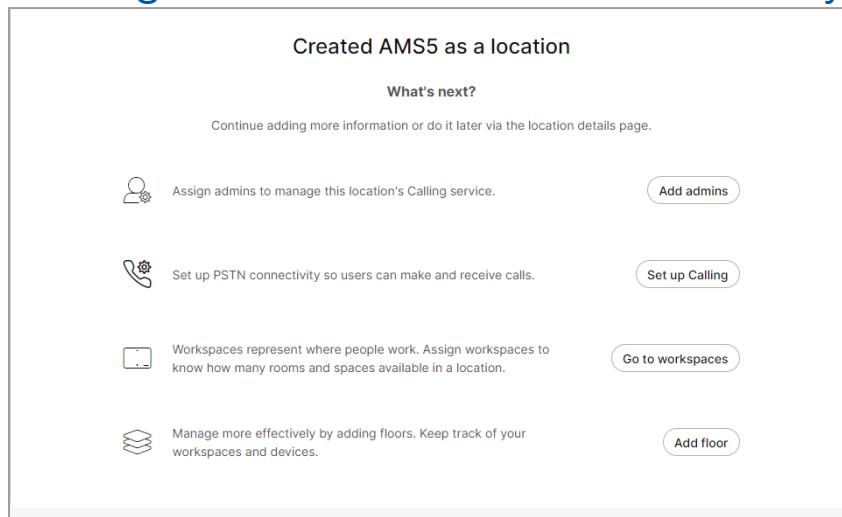


2

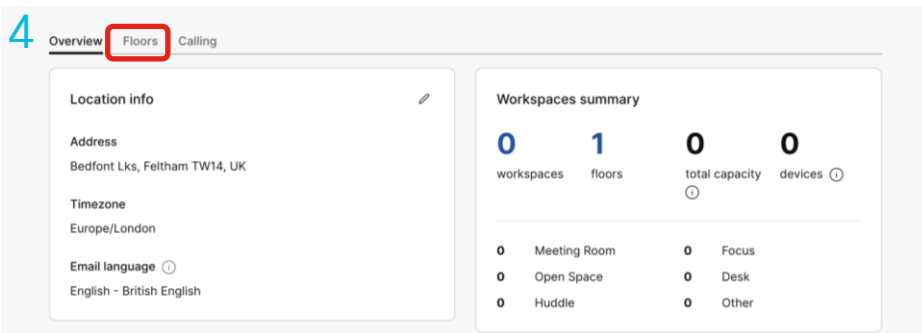
The screenshot shows the 'Create manually' location form. It includes the following fields: 'Location name' (text input), 'Country' (dropdown), 'Address' (text input with a search icon), 'Address line 2 (optional)' (text input), 'City/Town' (text input), 'County/Region' (dropdown), 'Postcode' (text input), 'Latitude: 0 - Longitude: 0' (with an 'Edit' link), 'Timezone' (dropdown), and 'Email language' (dropdown). To the right is a map showing the location of London, UK. Below the form, the 'Location ID' is displayed as 'aacedfd7-bcf4-4fa3-afb5-3e6e66bf5f4b'. At the bottom, it shows '0 users' and '0 workspaces'. An 'Actions' dropdown menu is at the bottom right.

Manage Locations → Create Manually

3



4



Control Hub – Assign Workspace to Location, Floor

The screenshot displays the Cisco Webex Control Hub interface for the 'NSD L22 Project Room Board Pro 75'. The left sidebar shows the 'Workspaces' section selected. The main content area includes sections for 'Devices', 'Calling', 'Meetings', 'Real-Time Environmental Metrics', and 'Location'. The 'Location' section at the bottom has a red box around the 'Assign location' button. A modal dialog box titled 'Assign location' is open, prompting the user to 'Select the location and floor you wish to assign.' The dialog contains two dropdown menus: 'Location' (set to 'AMS5') and 'Floor' (set to 'AMS5-1'). The 'Save' button is highlighted in black, and the 'Close' button is in white. The background interface shows details for the 'Cisco Board Pro 75', including software upgrade channels, lock settings, and environmental metrics like sound level, temperature, and humidity.

Room Design Guides

Design Guides available on Cisco.com

Products and ServicesSolutionsSupportLearnPartners

Explore CiscoSearch

Hybrid workforce solutions

Cisco Hybrid Work Design Guides

Empower your team. Bring space layout, technology, and furnishings together to create a top-tier hybrid work experience.



Explore our design guides



Small Quiet Room

Take a video call, spend time on focused work, or collaborate. One- and two-person rooms are also perfect for times when you need extra screen space.

[Access small quiet room design guide \(PDF\)](#)



Brainstorming Huddle Room

Enjoy the ideal setup for ad-hoc brainstorming sessions—choose from two furniture configurations.

[Access brainstorming huddle room design guide \(PDF\)](#)



Medium Brainstorming Room

Make sure everyone in larger groups is seen and heard, with ample space to move around and capacity for video calls, content sharing, and brainstorming.

[Access medium brainstorming room design guide \(PDF\)](#)



Casual Huddle Room

Have an informal meeting of three to four people—whether remote or in-person—with less technology options for flexibility.

[Access casual huddle room design guide \(PDF\)](#)



Small Collaboration Room

Get work done in small groups across in-person and remote teams with technology that keeps everyone in view.

[Access small collaboration room design guide \(PDF\)](#)



Traditional Huddle Room

Huddle rooms invite smaller in-person and remote groups to easily collaborate, share information, brainstorm, and solve problems.

[Access traditional huddle room design guide \(PDF\)](#)



Medium Collaboration: Single Display

Single display technology provides ample screen space for video and content when real space is limited, plus everyone will remain visible to every participant.

[Access single display design guide \(PDF\)](#)



Medium Collaboration: Dual Display

Bring people together for knowledge sharing and decision making with dual displays that allow sight to everyone to simultaneously view content and remote participants.

[Access dual display design guide \(PDF\)](#)



Medium Collaboration: Video Centric

Create an ideal space for information sharing and decision making with a video-centric collaboration room, ensuring everyone can see both remote participants and content.

[Access video centric design guide \(PDF\)](#)



Innovation Suite

Encourage interaction, share ideas, and brainstorm with an informal setting that features a mix of seating types and varying postures.

[Access innovation suite design guide \(PDF\)](#)



Small Brainstorming Space

Deployed in either an enclosed room or an open plan, this space features two different furniture configurations: standard height or counter-top height.

[Access small brainstorming space design guide \(PDF\)](#)



<https://www.cisco.com/site/us/en/solutions/hybrid-work/design-guides.html>

Smart Building Technology
and Hybrid Work Solutions

Cisco Talent and Collaboration Centers

Medium Collaboration Room - Dual Display Design Guide

Open

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Option 1: Cisco Room Bar Pro

Medium Collaboration Room - Dual Display

Composite Plan

Option 1: Wall Mount

Option 2: Credenza Option

Graphics Symbols

- Acoustical Ceiling & Grid
- HVAC Diffusers (T & B.D.) Shown as Example Only
- Light Fixtures
- Acoustical Wall
- Furniture Systems Version Devices
- Duplex Receptacle & Grid
- Data Receptacle
- Power and Communication
- WALL / CEILING / FLOOR VERSION DEVICES
- Third Party Speakers (Optional)
- Duplex Receptacle
- Data Receptacle
- Light Switch
- AV Receptacle
- Table Version Microphone
- Coordination Power & Voice / Data Inlet

Option 1: Cisco Room Bar Pro

Medium Collaboration Room - Dual Display

Exploded IT Diagram

Cisco Room Navigator for Table (Required)
The recommended approach is to connect the table stand Cisco Room Navigator directly to the Cisco Room Bar Pro using a network cable. The two can also be connected over the IT network if an ethernet port is available under the table.

Cisco Room Navigator for Wall
It is recommended to run the cable inside the wall or through the door frame directly back to a network switch.

Cisco Table Microphones
Although not technically required for a room of this size, they are highly recommended. Microphone extension cables may be needed if the run between table and device exceeds length of the cable that is provided with each microphone.

Third-party Speakers
Although not typically required for this space, they can be used if local conditions warrant. (Requires consult behind device to ceiling.)

Table Top Charging
USB-C charging and convenience outlets on table top. Ensure the size of the trough and layout can accommodate a variety of laptop power supplies.

Wall Blocking
Required when the device is wall-mounted. The size and composition of blocking materials should be determined based on the overall weight of the solution deployed.

Core Drilling
Core Drill (preferred method for providing connectivity between the table and the Cisco Room Bar Pro for the Cisco Room Navigator for Table, Cisco Table Microphones and/or AV cables. If core drilling is not an option, a floor cable cover or wire concealer can be used.

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Option 1: Cisco Room Bar Pro

Medium Collaboration Room - Dual Display

IT/OT Bill of Material

Cisco Products

Cisco Room Bar Pro Option:

- CS-BARPRO-C-KS Cisco Room Bar Pro - Carbon Black (with Cisco Room Navigator for Table, mounting kit and accessories)
- CS-MIC-TABLE-J Cisco Table Microphone (2ly 2)
- CS-T10-WM-K3+ Cisco Room Navigator for Wall

Non-Cisco peripherals

- Dual 65" Video Displays
- Third-party wall mount or AV-ready credenza

IOT Devices

- IAQ coming from the Cisco Room Navigator. No additional IAQ
- Occupancy sensing is coming from the Cisco Endpoints
- Suggested lighting specifications: 220LPW raw, 140LPW delivered
- Each Medium Collaboration room POE lights being power by 4 ports on the ceiling
- Traditional DC Wall Switch
- Ensure device is not connected to ASHRAE 90.1 outlet

External microphones and speakers

- The Cisco Room Bar Pro is equipped with an internal microphone array and is optimized for small to medium sized collaboration spaces, thus external microphones are not technically required if people are seated within 13 feet (4 meters) from the device. That said, we do recommend adding two (2) table microphones to this space to ensure the best audio experience.
- The Cisco Room Bar Pro has a 3-channel loudspeakers embedded within, third-party external speakers are typically not needed unless room acoustic conditions warrant their use.



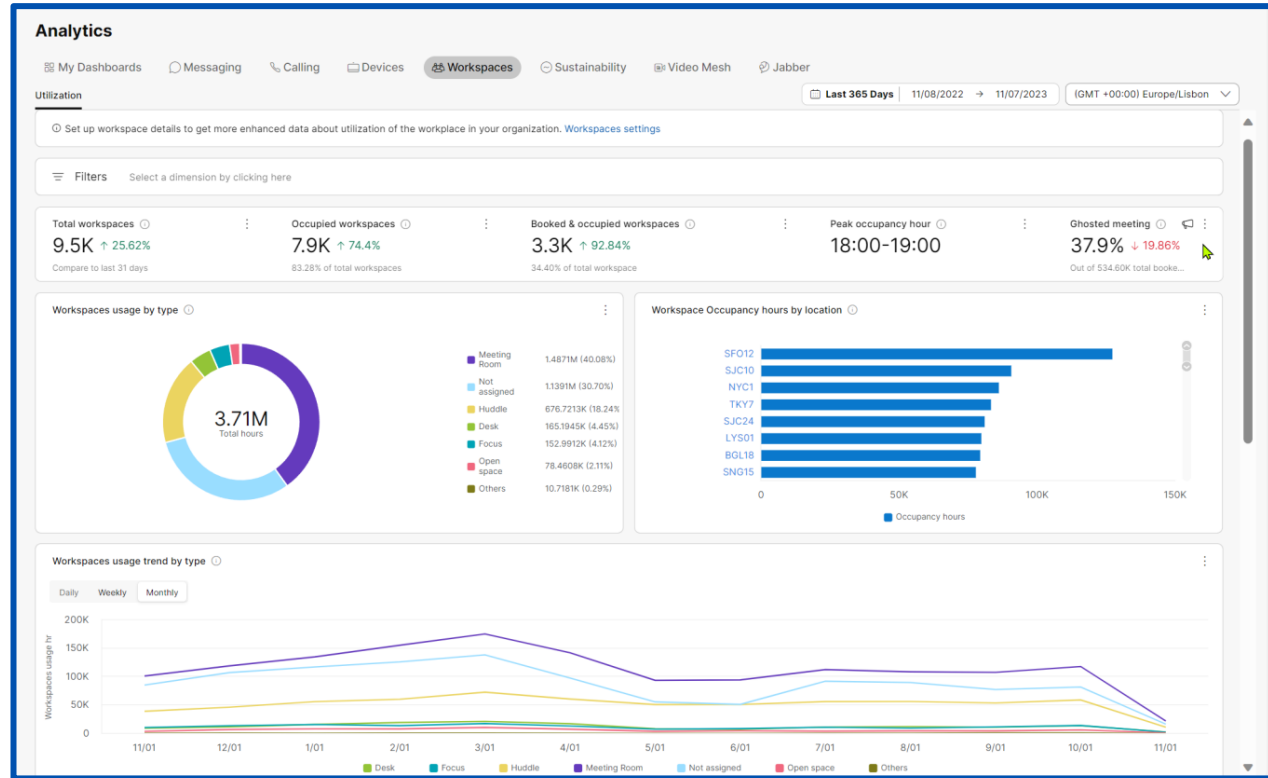
Workspace Management and Analytics



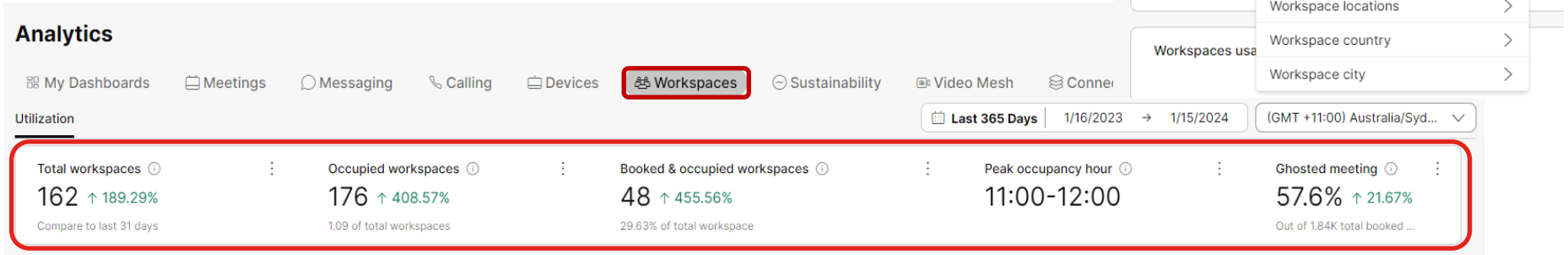
Workspace Analytics – All Devices Utilisation

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

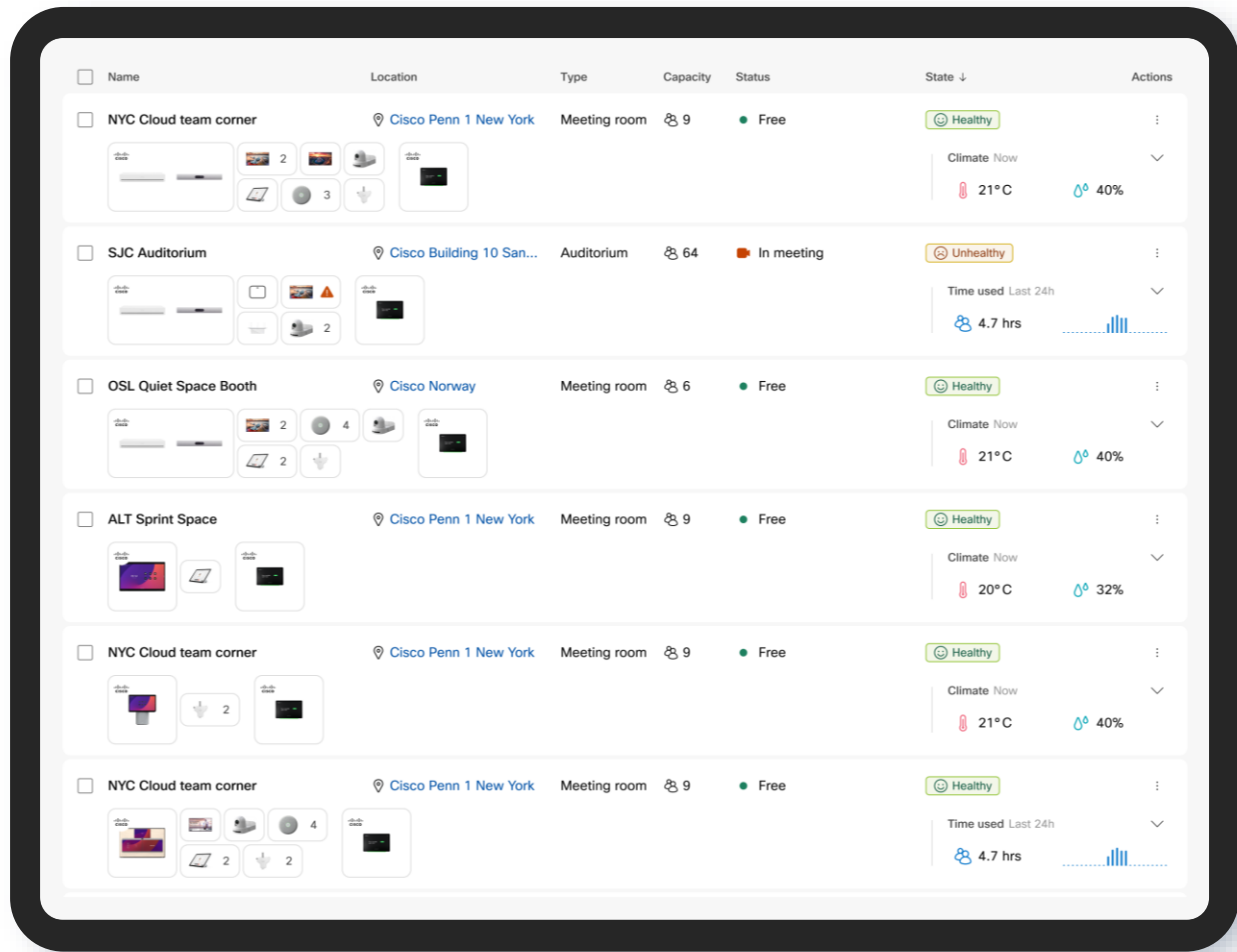


- **Occupied workspaces** – # of unique workspaces used over date range.
- **Booked & occupied workspaces** – # of unique workspaces scheduled via calendar and occupied during scheduled time
- **Ghosted meeting** – % of workspaces scheduled via calendar, but weren't occupied over date range.
- **Peak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

Control Hub New Workspaces View

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.



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:

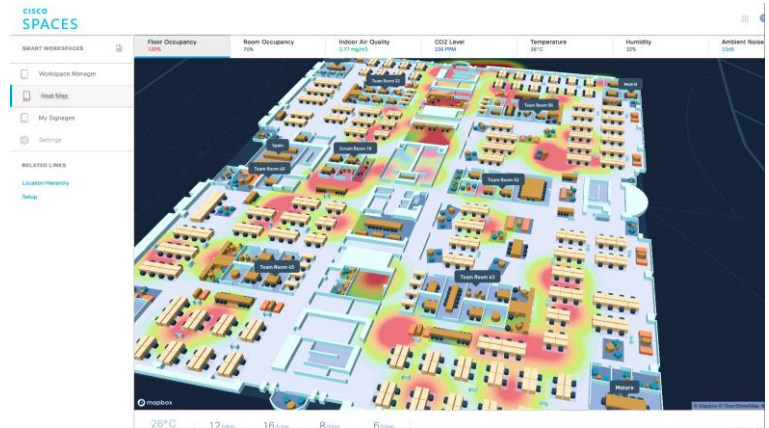
Real-time & historical metrics (building, floor, room, desk) for space optimization, facilities services and improving employee experience

Environmental & Energy Monitoring:

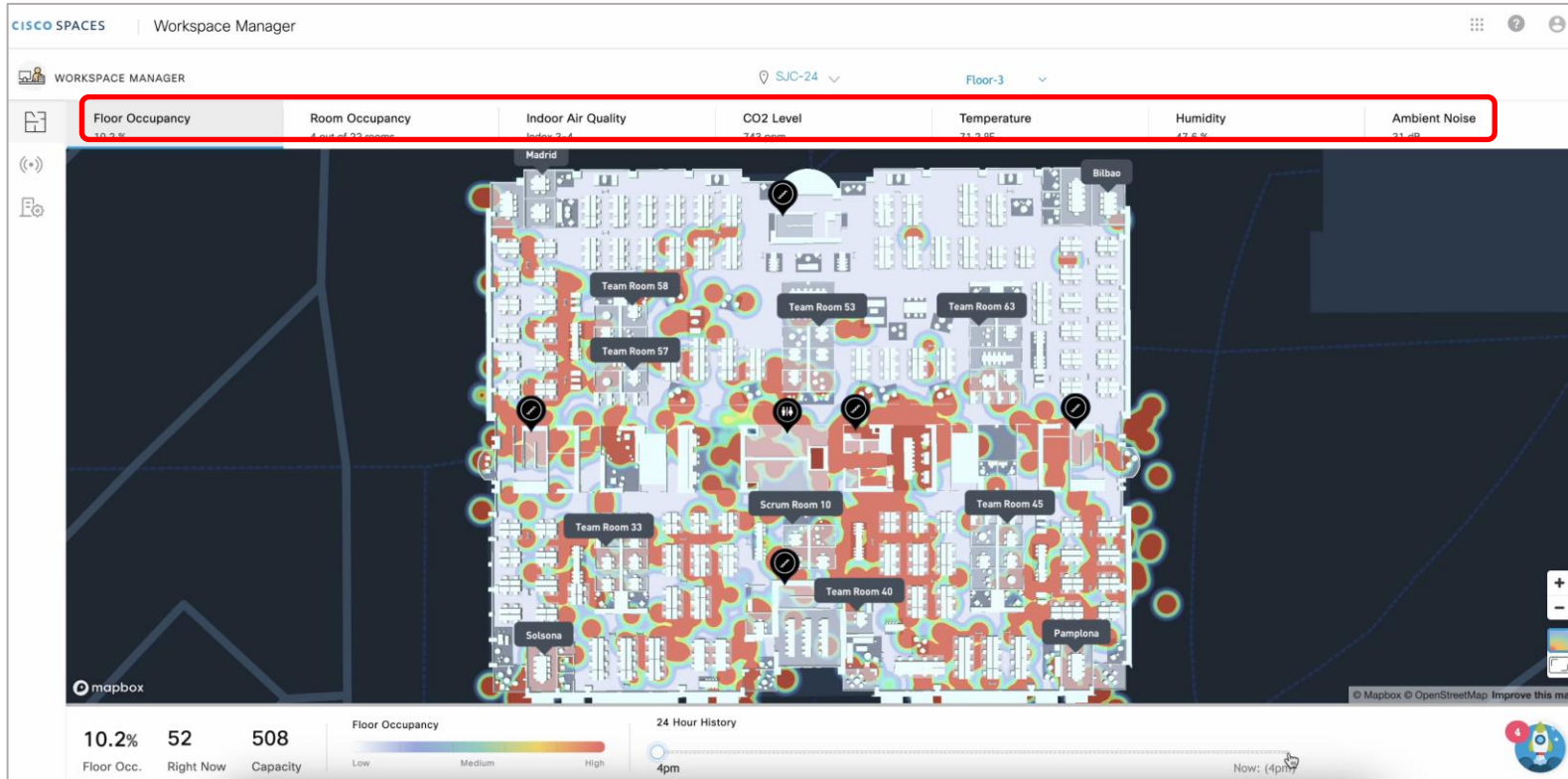
Real-time & historical metrics (Indoor Air Quality, Co2, temp, humidity, noise, energy and more) for a safer and sustainable workspace

Extend to Enterprise systems:

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



Cisco Spaces - Workspace Management



SPACES MANAGER

Cisco London - Fl...

LON11 - Floor07



Floor Occupancy

30 %

Room Occupancy

0 out of 16 occupied

IAQ ⓘ

Excellent

TVOC ⓘ

0.22 mg/m3

CO2 Level

N/A

Temperature

22 °C

Humidity

64 %

Ambient Noise

32 dB



Mapbox OpenStreetMap Improve this map

30%

Floor Occ.

30

Right Now

100

Capacity

24 Hour History

28th Jun, 13:00

21:18

28th Jun

Floor Occupancy



Space Utilisation (dashboard app)

Cisco Spaces

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

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
Small (1-4 ppl) 5 rooms	10% (17 hr)	0%	0%	10% (17 hr)
Medium (5-10 ppl) 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)

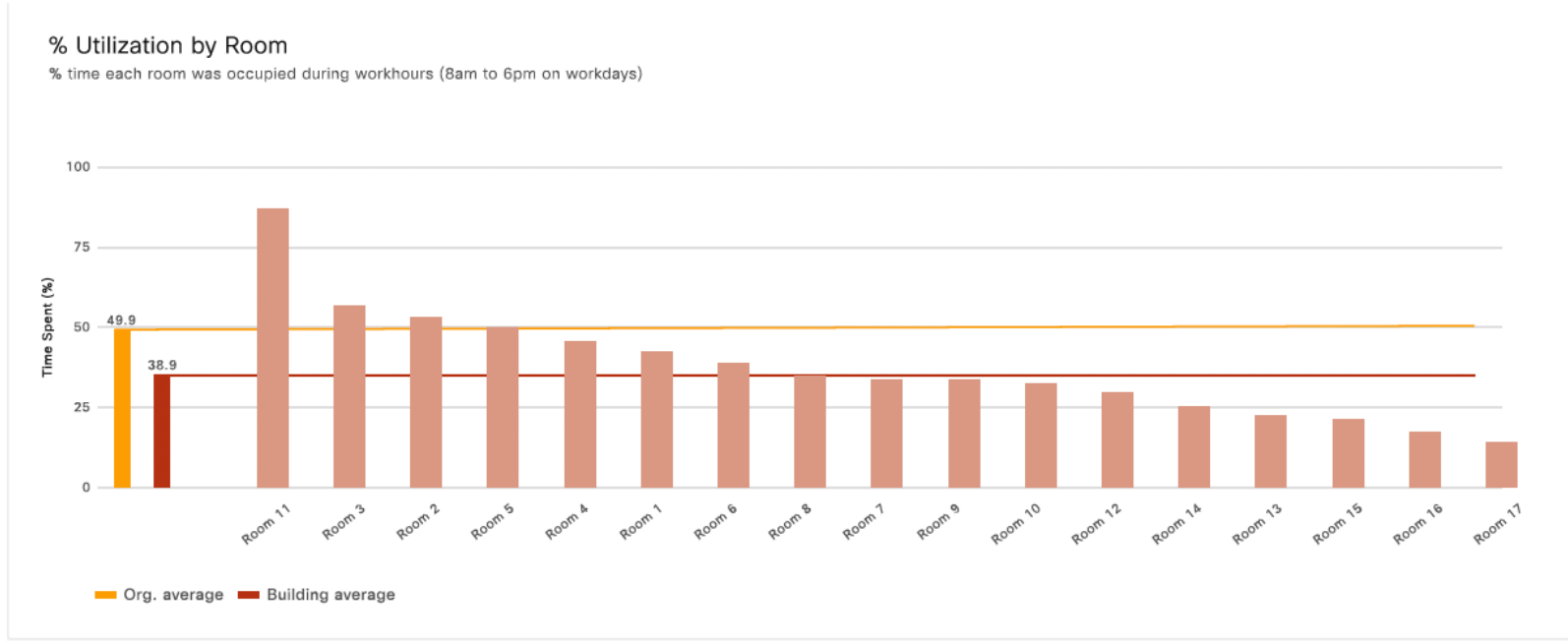
Occupancy pattern
Percentage of time are meeting rooms are used.

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



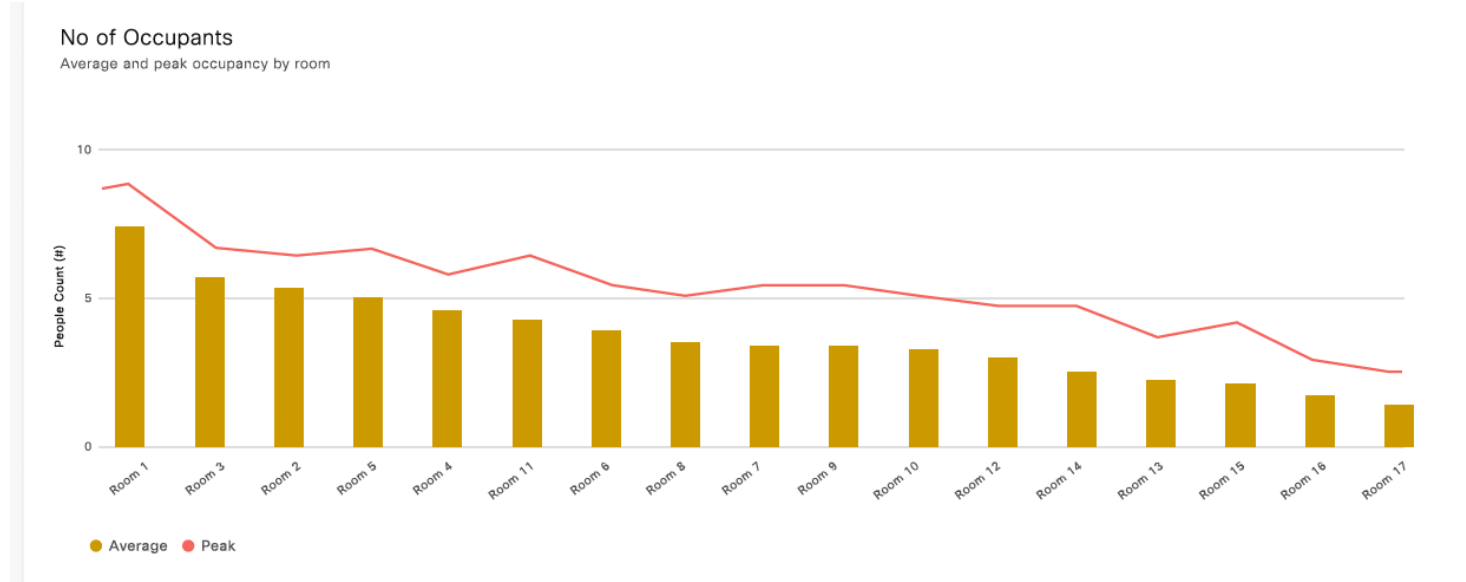
Room Utilisation

% time each room was occupied during workhours (default 8am to 6pm on workdays)



Number of Occupants:

Average and peak occupancy by room

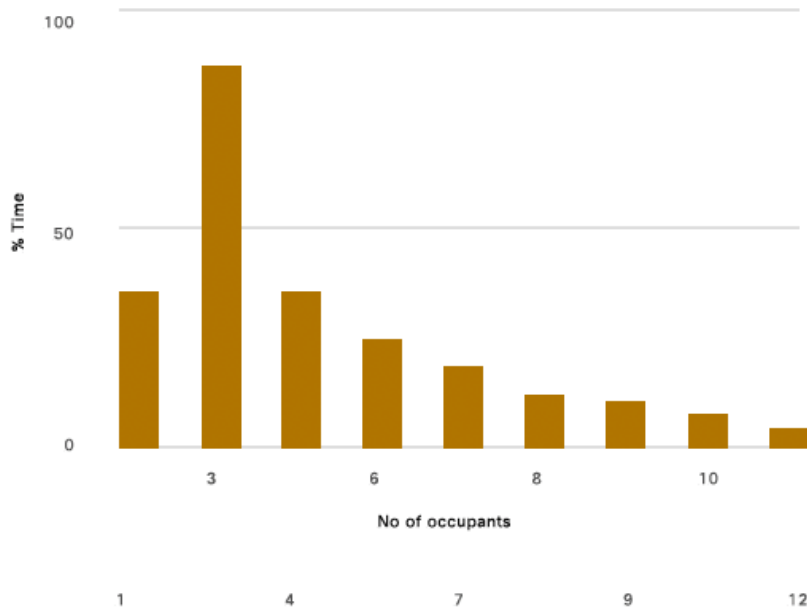


Room Occupancy number of occupants

breakdown of % occupied time by number of occupants in room

Room Occupancy no. of occupants

Breakdown of occupied time by no. of occupants in room

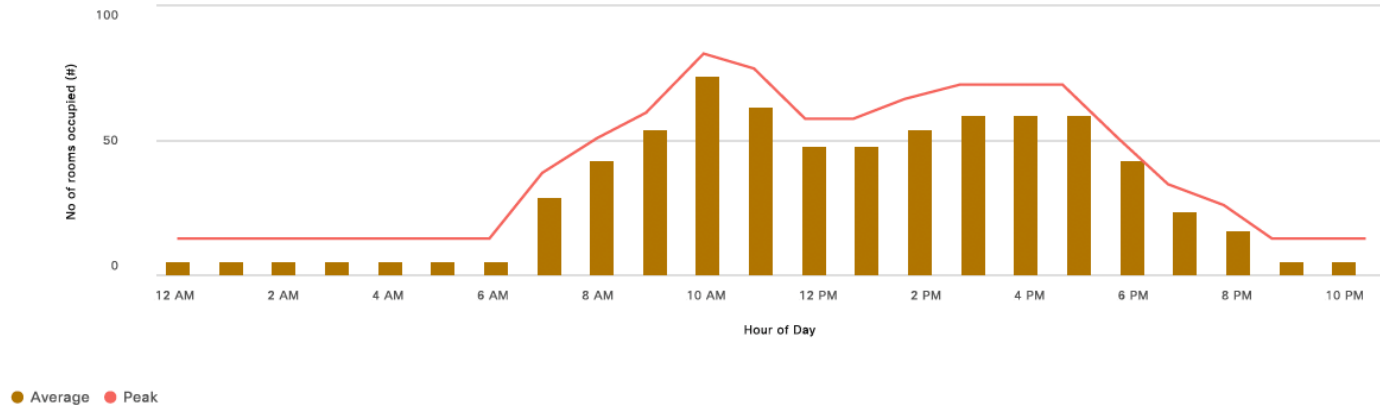


Room occupancy by hour of day

average number of rooms during each hour of the day

Room occupancy by hour of day

Average and peak count of people during each hour of the day



Occupancy by Booking Status

% break up of room occupancy by booking status

Room Occupancy by Booking Status

% Breakdown of room occupancy by booking status

	Occupied	Not Occupied
Booked	Reserved 15% Org. Avg: 17.5%	Ghosted 10% Org. Avg: 12.5%
Not Booked	Ad-hoc 40% Org. Avg: 32.5%	(Idle/Empty) 15% Org. Avg: 12.5%

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