

Hybrid Work

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Agenda

- Hybrid Work – not only Collaboration
 - Security – Duo & AnyConnect
 - Connectivity & Visibility – Thousand Eyes
 - Smart Buildings – Cisco Spaces
- Cisco Video Devices
- Microsoft Teams Room (MTR) – native MS Teams client in Cisco device
- Join any meeting – SIP, Zoom, MS Teams, Google,...

Where Cisco is innovating?

Smart buildings



Sustainability



Collaboration



Security



Visibility & Mgmt



Connectivity



Hybrid Work In Practice



Work from Home

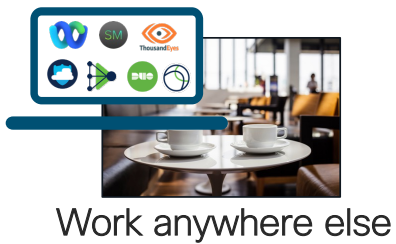


Work from Office



Work anywhere else

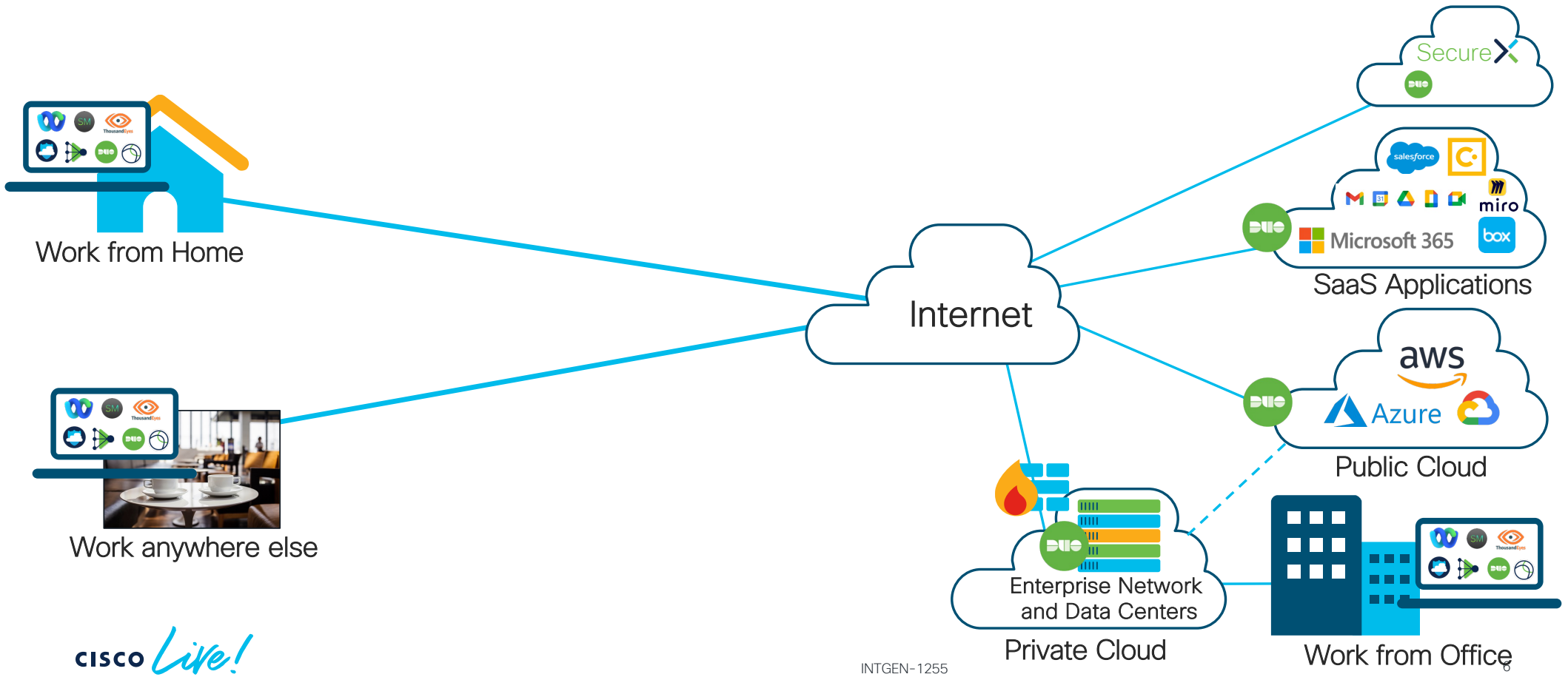
Hybrid Work In Practice



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Hybrid Work In Practice

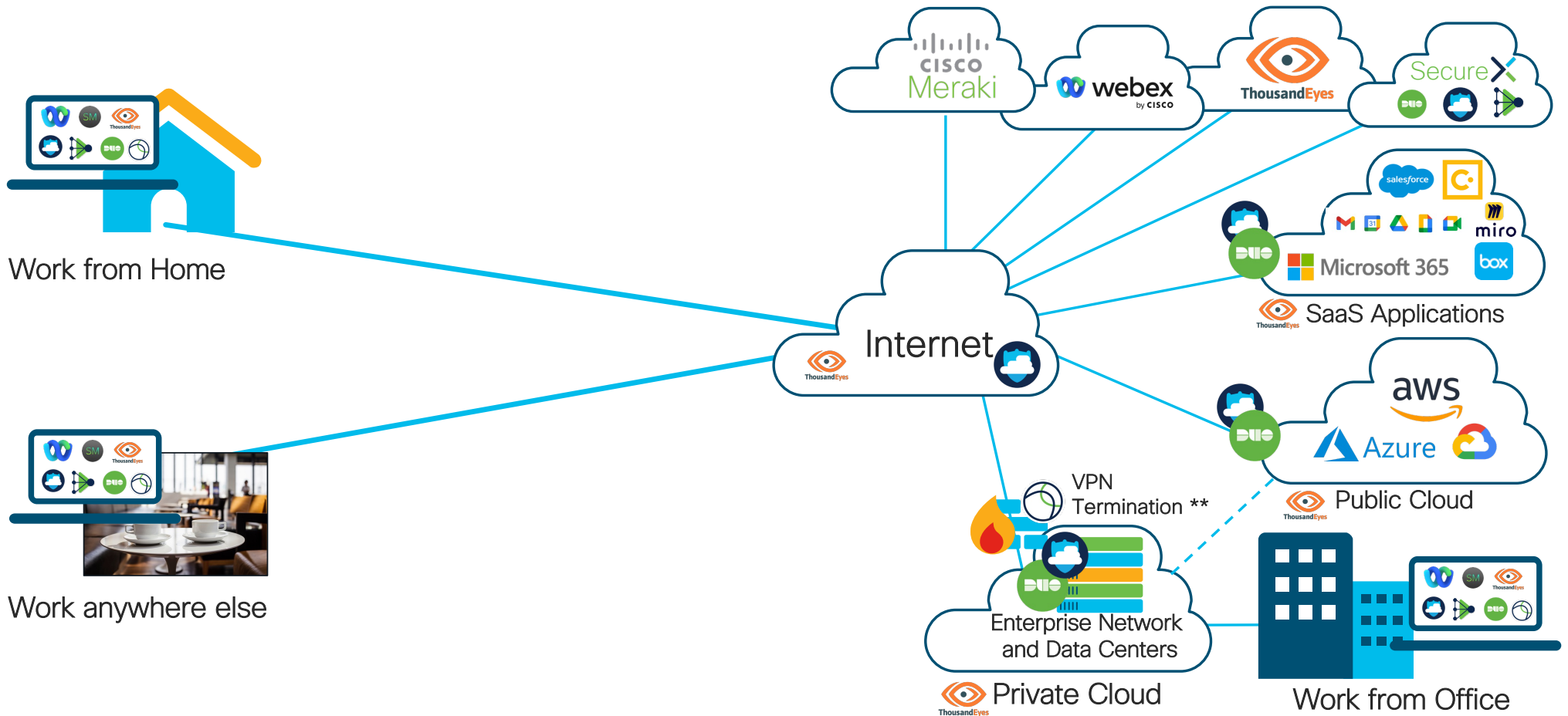


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INTGEN-1255

Hybrid Work in practice

Collaboration, security, visibility, and management delivered from the cloud



Cisco Secure Client (a.k.a. AnyConnect) Much more than VPN



Basic
VPN



Advanced
VPN



Endpoint
Compliance



Enterprise
Access



Cloud
Edge



Threat
Protection



Network
Visibility



Cisco AnyConnect

Integration with other Cisco solutions



ISR



ASR /
CSR



Secure
Firewall



Cisco Identity
Services Engine



Cisco
Umbrella



Switches and
Wireless
Controllers

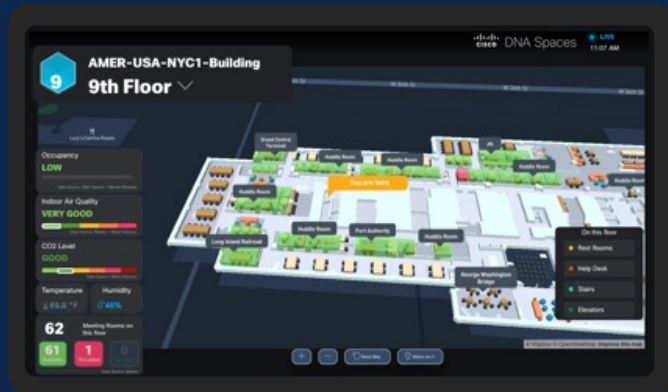


Secure
Endpoint



NetFlow
Collectors

Digitizing our real estate



Cisco Smart Workspaces

Smart buildings cloud platform that ingests & consolidates the “data exhaust” from these various sensors



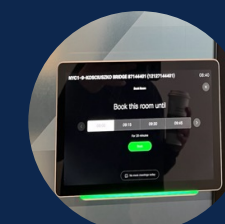
Meraki Cameras
Floor occupancy
(macro floor plate loading)



Cisco Devices
People count,
Ambient Noise



Cisco Wi-Fi Access Points
People count, people's physical location to track their journey through the office



Cisco Navigator
Temperature, Humidity,
VOC (volatile organic compounds)



Air Quality
Molex sensors for true air quality / CO2, temperature, humidity, VOC



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



Occupancy
Molex sensors for people count



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

The Cisco Spaces Platform



Use cases that make your spaces safe, smart, sustainable and seamless
Multi-sensor & location API designed for high volume data streaming

Onboard people & things seamlessly. Understand their presence and identity across all your locations

Purchase, onboard, monitor and manage pre-validated & integrated multi-vendor sensors on top of your existing Cisco network

Transform your static floor plans into interactive 3D maps with uniform metadata & location context

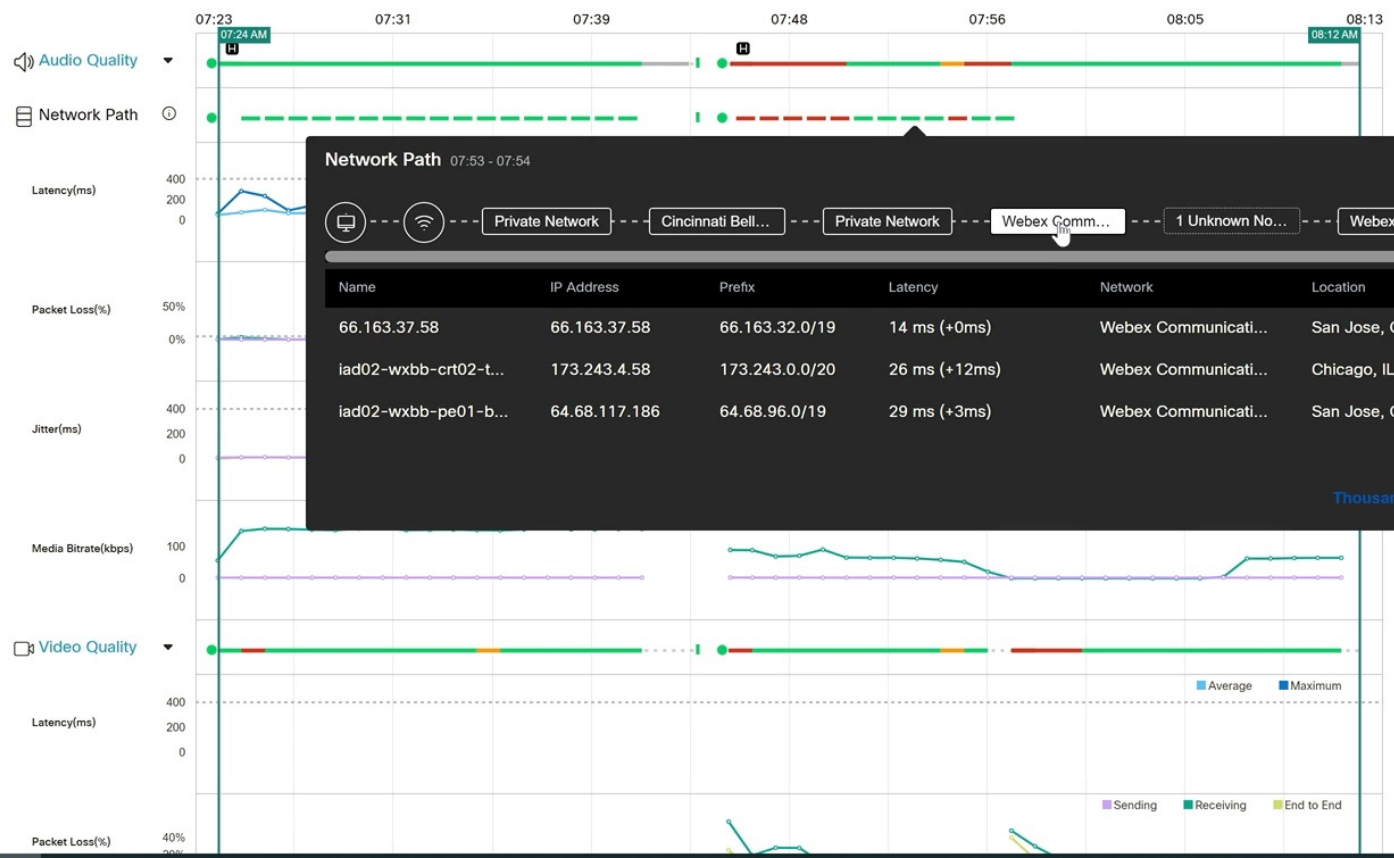
Connect your robust Cisco networking & collaboration products to a seamless smart building cloud

- 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
- Hybrid
- Cumulus Organization

Live Meetings > Isom Adams's Personal Room > Isom Adams

Join Meeting | Actions

Participant Details - Isom Adams (isom.adams@cumulusorg.com)



Network Path 07:53 - 07:54

Name	IP Address	Prefix	Latency	Network	Location
66.163.37.58	66.163.37.58	66.163.32.0/19	14 ms (+0ms)	Webex Communicati...	San Jose, CA, ...
iad02-wxbb-crt02-t...	173.243.4.58	173.243.0.0/20	26 ms (+12ms)	Webex Communicati...	Chicago, IL, US
iad02-wxbb-pe01-b...	64.68.117.186	64.68.96.0/19	29 ms (+3ms)	Webex Communicati...	San Jose, CA, ...

Equipment and Networks

Client: Webex Meetings 42.7.2.12
 Platform: Windows
 Media Node: 10.0.19041
 Join From: WebexApp 42.6.0.22645
 Connection: ethernet
 Media Node: Dallas, USA
 Local IP: 10.0.1.192/28
 Transport: UDP
 Codec: Opus (Receiving)
 Codec: H.264 BP (Receiving)
 Device: Microphone (High Definition Audio Device)
 Device: Speakers (High Definition Audio Device)
 Removal: Not Used
 Background: Not Used

Chart Legend

Indicators: Host, Panelist, Sharing, Breakout, Change, Muted

Signal Quality: Good, Fair, Poor, Not Available, Not Used

Join Meeting Time: Good, Fair, Abnormal

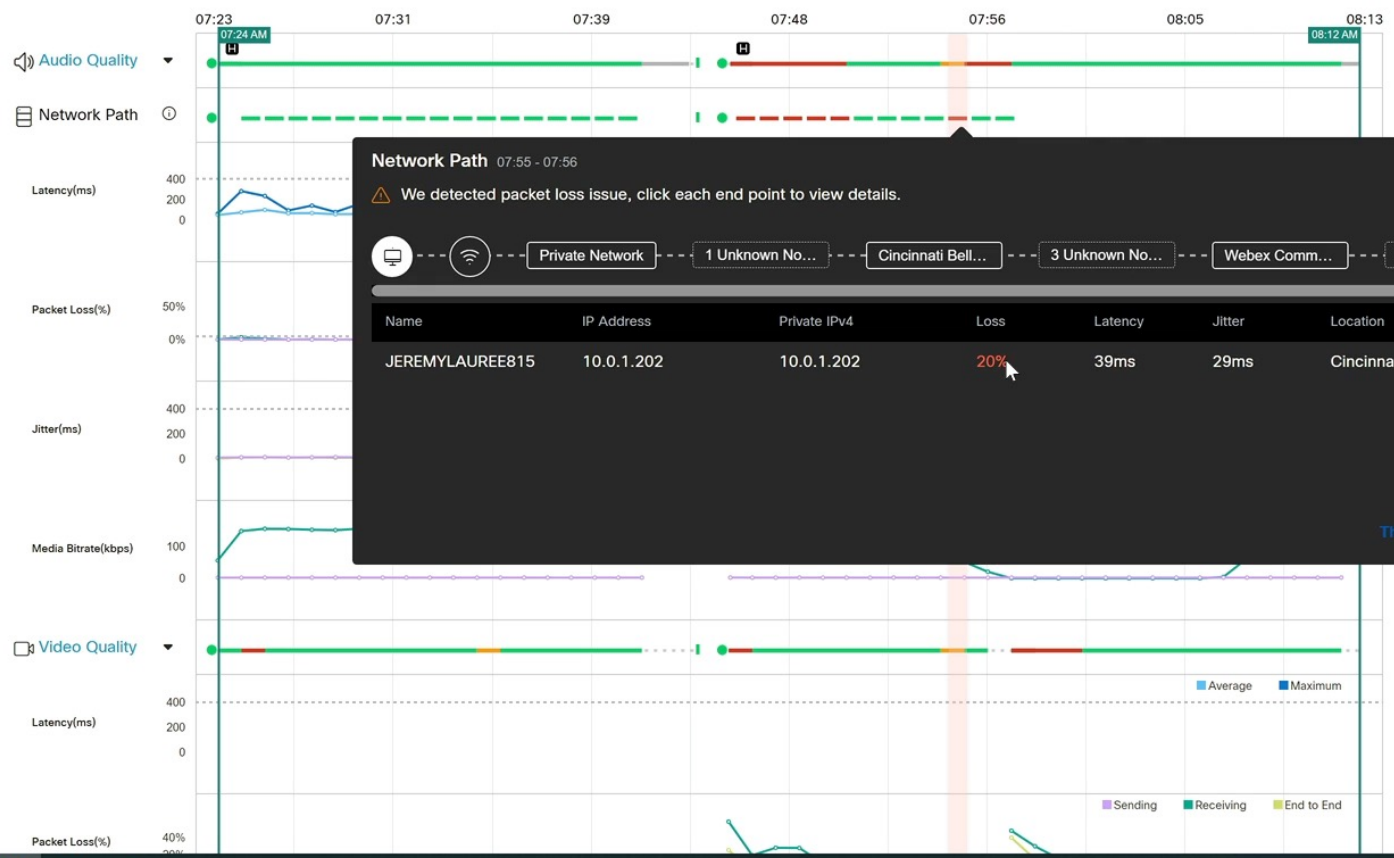
- Overview
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Live Meetings > Isom Adams's Personal Room > Isom Adams

Join Meeting | Actions

Participant Details - Isom Adams (isom.adams@cumulusorg.com)

All | Muted | Breakout



Network Path 07:55 - 07:56

⚠ We detected packet loss issue, click each end point to view details.

Private Network - 1 Unknown No... - Cincinnati Bell... - 3 Unknown No... - Webex Comm... - 2 Unknown No...

Name	IP Address	Private IPv4	Loss	Latency	Jitter	Location
JEREMYLAUREE815	10.0.1.202	10.0.1.202	20%	39ms	29ms	Cincinnati, Ohio, US

ThousandEyes

Equipment and Networks

Client: Webex Meetings 42.7.2.12
 Platform: Windows 10.0.19041
 Join From: WebexApp 42.6.0.22645
 Connection: ethernet
 Media Node: Dallas, USA
 Local IP: 10.0.1.192/28
 72.49.7.216/30
 Cincinnati, OH, US
 UDP
 UDP
 Opus (Receiving)
 H.264 BP (Receiving)
 Microphone (High Definition Audio Device)
 Speakers (High Definition Audio Device)
 Not Available
 Not Used
 Not Used

Indicators

- Host
- Panelist
- Sharing
- Breakout
- Change
- Muted

Signal Quality

- Good
- Fair
- Poor
- Not Available
- Not Used

Join Meeting Time | **Exit Meeting**

- Good
- Fair
- Abnormal
- Normal

VIEWS



Add a filter

Save and Share

Automated Session Tests

Scheduled Tests

Browser Sessions

Visited Pages

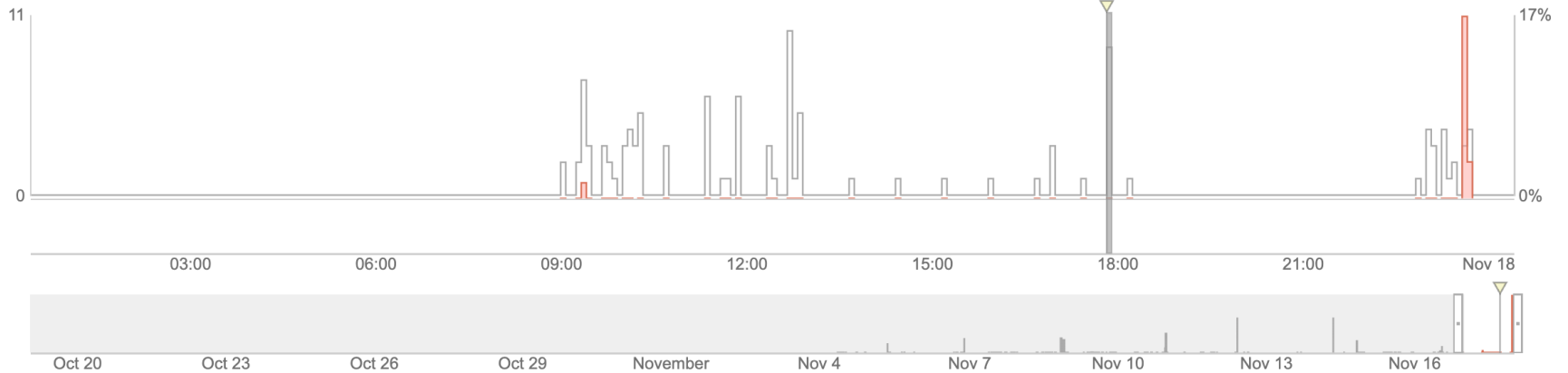
Network

Local Networks

24h 7d 14d

Metric Loss

Average Loss Pages



Overview Pages Sessions

Showing data from Thu, Nov 17 17:50 - 17:55 EST (6 hours ago)



9 pages

Experience Score

51%



Experience Score by Visited Site

www.google.com		0%
www.webex.com		91%

Experience Score by Agent

pgiralt-m-70mv		51%
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Page Speed

Average

Page Speed

www.google.com		Average
www.webex.com		Fast

Total Errors

4

Errors by Category

Other		4
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Browser Session Alerts

0


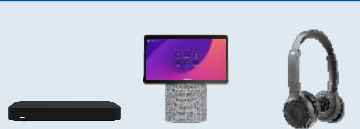


Active Alerts

No data

Cisco hybrid work offers

Starting at ~ EUR 919

Work from Home offer

Entry	Standard	Professional	Premium
 <p>Meraki Z3C Cisco Camera Cisco Headset + Dock</p>	 <p>Meraki Z3C Cisco Desk Mini Cisco Headset + Dock</p>	 <p>Meraki MX68CW Cisco Desk Cisco Headset + Dock</p>	 <p>Meraki MR46, MX75, MG21 Cisco Desk Pro Cisco Headset + Dock</p>

Work from Office offer

CISCO Validated Framework

Catalyst
Cisco Catalyst switches, DNA Center

Meraki
Cisco Meraki switches, Meraki Dashboard

Hot Desks
Cisco Desk Camera


Quiet Rooms (1/2 person)
Cisco Desk or Desk Pro

Huddle Spaces (4/8 person)
Cisco Room Bar or Board + Cisco Room Navigator

Conference Rooms (5, 6/7, 9/10, or 15 person)
Webex Room Kit Plus, table mics + Webex Room Navigator

CISCO SPACES Smart Workspaces

Hybrid Work Software Offer



- Webex Suite
- Duo Access
- Umbrella DNS Advantage
- Secure Endpoint Advantage
- Secure Client Premier
- Thousand-Eyes Endpoint Agent
- Meraki Systems Manager

EA 3.0

GBP 11.75 / EUR 13.34[†]
CSRPP PUPM

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Support and Services
Embedded, Add-on, and/or Consulting Services

[†] Cisco Suggested Resell Price (CSRPP) shown in local currency of \$14.50 USD at a discount that requires Webex Suite or Hybrid Work Software Suite



Cisco Video Devices

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Purpose-built devices for every space

OFFICE

HOME

ANYWHERE



Headphones



Desk Series



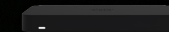
Room Kit Series



Board series



Room Panorama



Meraki



Desk Phone

Purpose-built devices for every space

OFFICE

HOME

ANYWHERE



Headphones



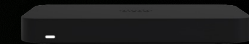
Cameras



Desk Mini



Desk Series



Meraki

Purpose-built devices for every space

OFFICE

HOME

ANYWHERE



Headphones



Mobile



Cameras

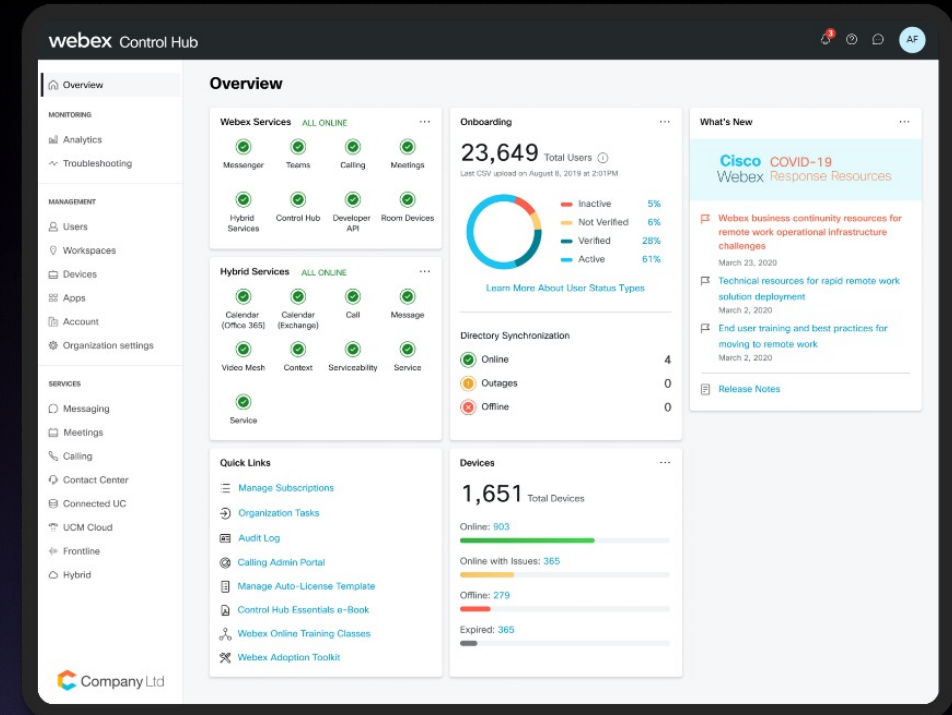


Meraki

→ Managed

Manage every device, user and workspace

Single-pane-of-glass management, provisioning, diagnostics, analytics and workspace insights in Control Hub.



Introducing Cisco Room Kit EQ



Engineered for collaboration

First Light and Carbon Black color options (coming soon)

3x 50-degree focus lenses for close ups

Wide-lens main camera

Mono loudspeaker system



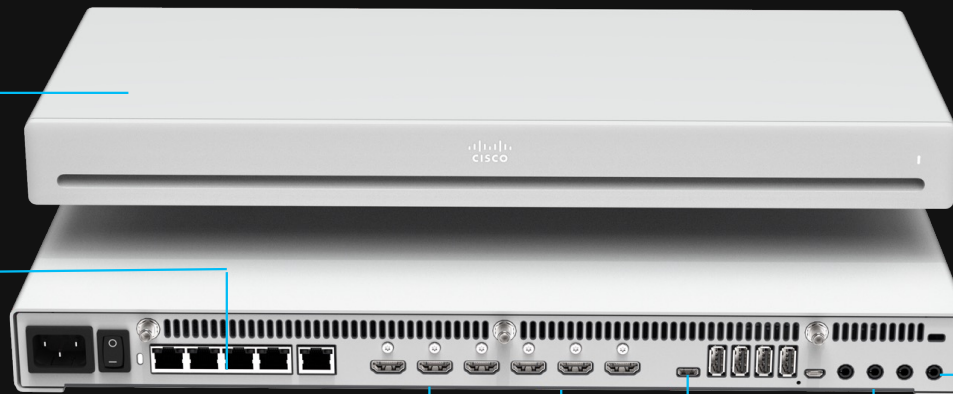
High-performing codec with powerful AI core

4x PoE++ network ports for Navigator, Camera, Microphones and other peripherals

Triple-screen support

3x HDMI input for camera and content

webex



Speaker output

USB-C and HDMI passthrough

3x External microphone input

Codec EQ bundles

Room Kit EQ PTZ 4K

Featuring PTZ 4K Camera



Room Kit EQ

Featuring the Quad Camera



Codec EQ

Standalone



Optional Room Navigator touch controller

Codec Plus vs Codec EQ

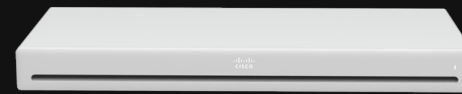
Codec Plus



2x HDMI out
3x HDMI in
3x Eth (2xPoE)
3x Mic
1x Line-out
2x USB-A



Codec EQ



3x HDMI out
3x HDMI in + 1xUSB-C
5x Eth (1xPoE + 4xPoE++ (Total 90W))
3x Mic (MiniJack) + 8x AoIP (Table Mic Array over LAN)
1x Line-out
4x USB-A

Introducing Webex Room Bar



Taking room collaboration to the next level

Webex Room Kit Mini



Integrated, codec-powered video bar for small meeting rooms

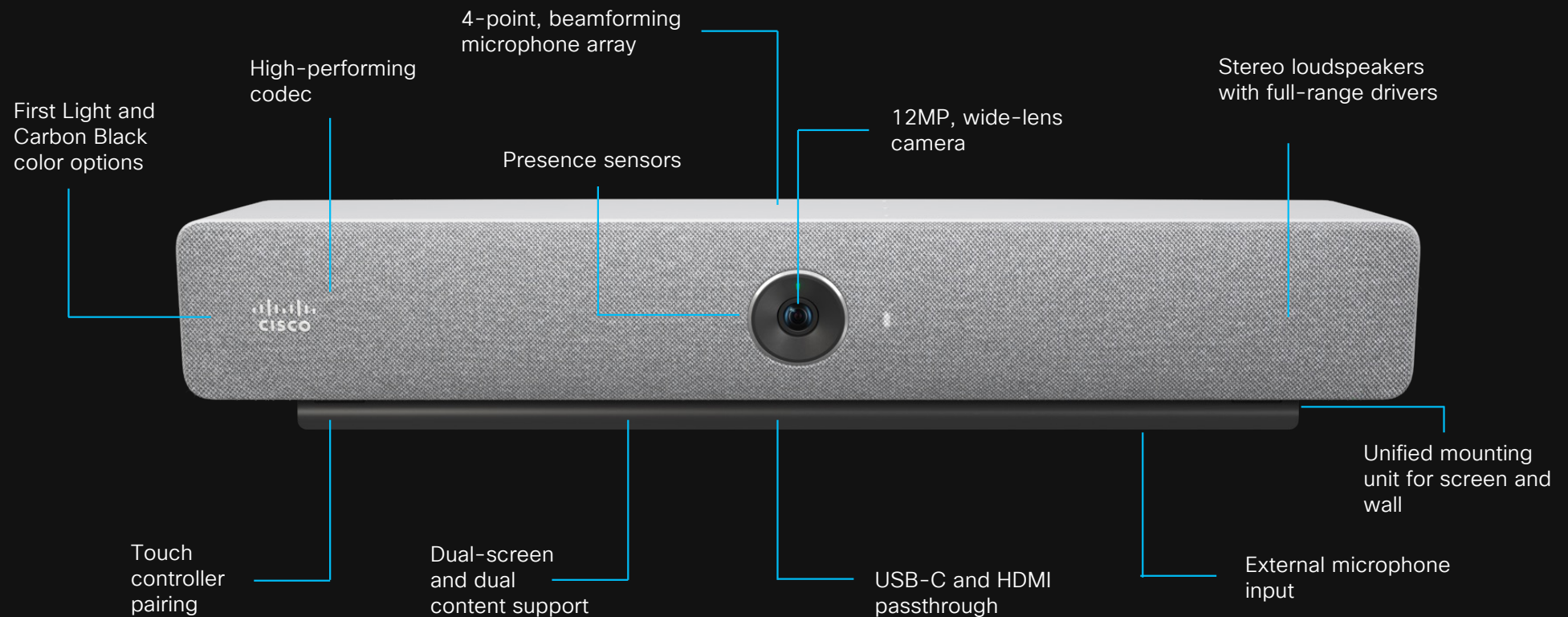


Webex Room Bar



All of this, and better quality, more flexibility, more integrations, more intelligence and more supported workspaces

Purpose-built for collaboration



→ Flexible

Dual-screen support

Augmented experience with the option to display live video or video and content on two screens



→ Flexible

USB-C passthrough & content sharing

Connect Room Bar with your laptop for an immersive video, audio and content sharing experience, using any meeting platform



→ Inclusive

Audio intelligence to enable immersive meetings



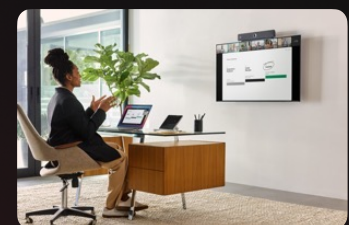
Noise-cancelling microphone array



Directional, stereo sound



Automatic gain control



ML-powered noise removal

People Focus

ensuring everyone is represented

Before



After



Best Overview with smart cropping

Remove space between individuals in the view sent from meeting rooms

Before



After



MTR MS Teams Room

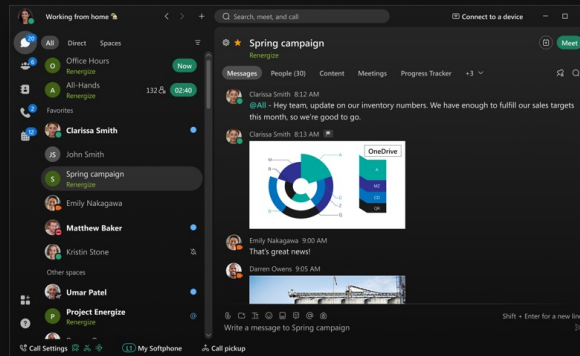
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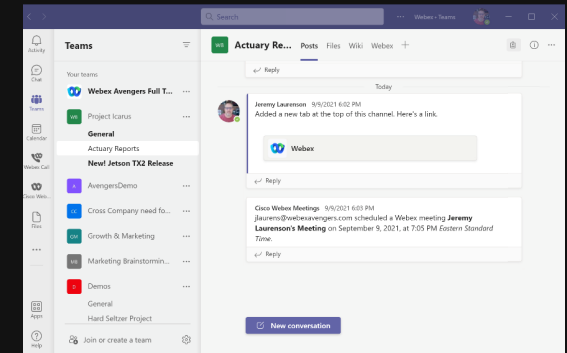
Webex and Microsoft: Better Together



Join Microsoft meetings
on Cisco Devices



Integrate Webex
with Microsoft Ecosystem



Embed Webex into
Microsoft Teams

Collaboration devices for any workspace

For any worker, any workstyle, anywhere



Desk
Cameras &
Headsets



Teams Panels



Desk Pro



Room Bar



Room EQ



Kit Pro



Board Pro
55" & 75"

Teams Certified Accessories

Teams Display

Microsoft Teams Rooms

Small
Medium
Large
Ideation

Cisco Webex Board Pro is a touch device offering native Microsoft Whiteboard and Teams meetings.

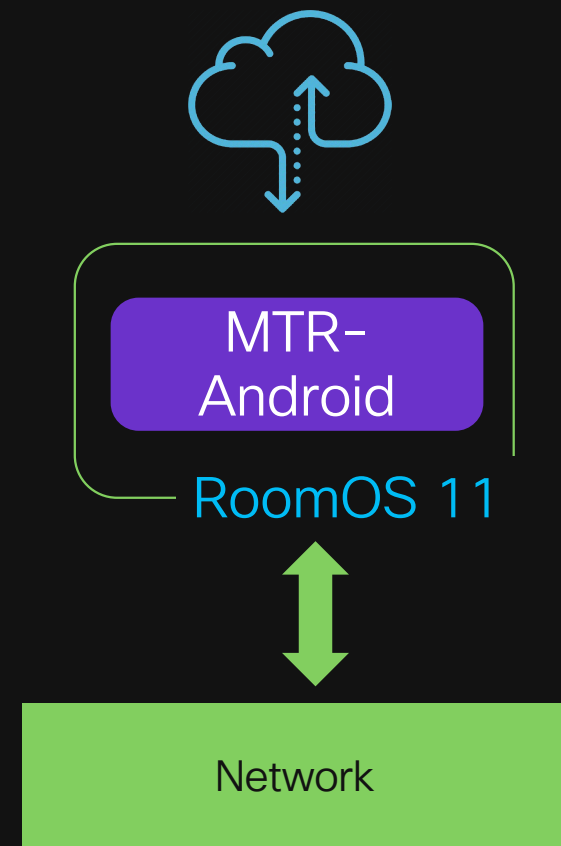


Board Pro 55/75



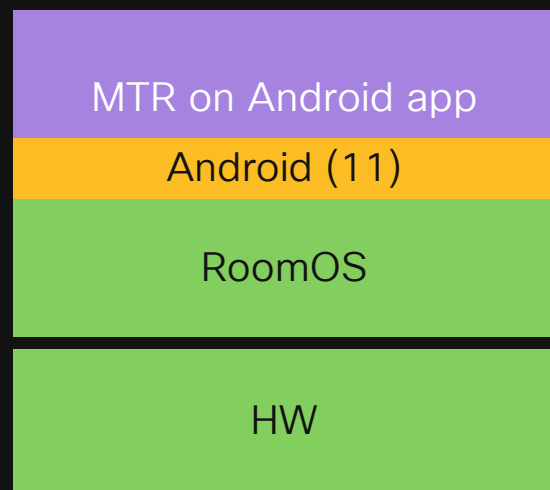
Android as a container

- Network traffic is handled by RoomOS, which has Cisco Security built-in.
- Android is containerized/sandboxed and not visible to the network
- Device updates become uncritical from a security perspective and can be managed via Control Hub
- SW updates will be tested to the same security standard as per all our devices



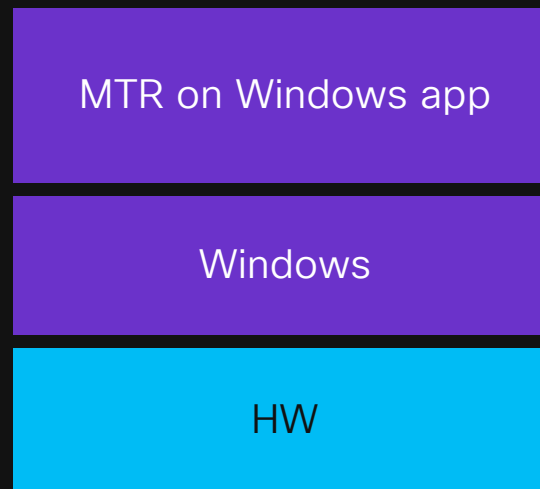
Cisco MTR runs as a contained, secure Android-based application on RoomOS

Cisco Board Pro – MTRoA on RoomOS



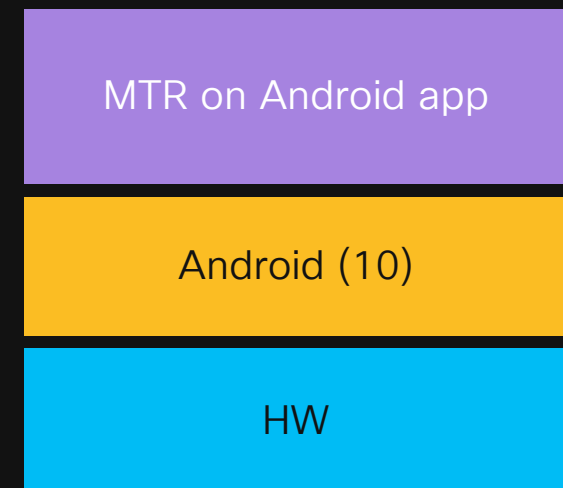
Updated by Cisco

Microsoft Surface Hub 2S



Updated by Microsoft

Other MTRoA devices



Provided by Android managed by vendor

Join Meeting from Calendar



- Click Join

Join Any Meeting

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Open & extensible to support how you work

BYOD support
with USB
passthrough

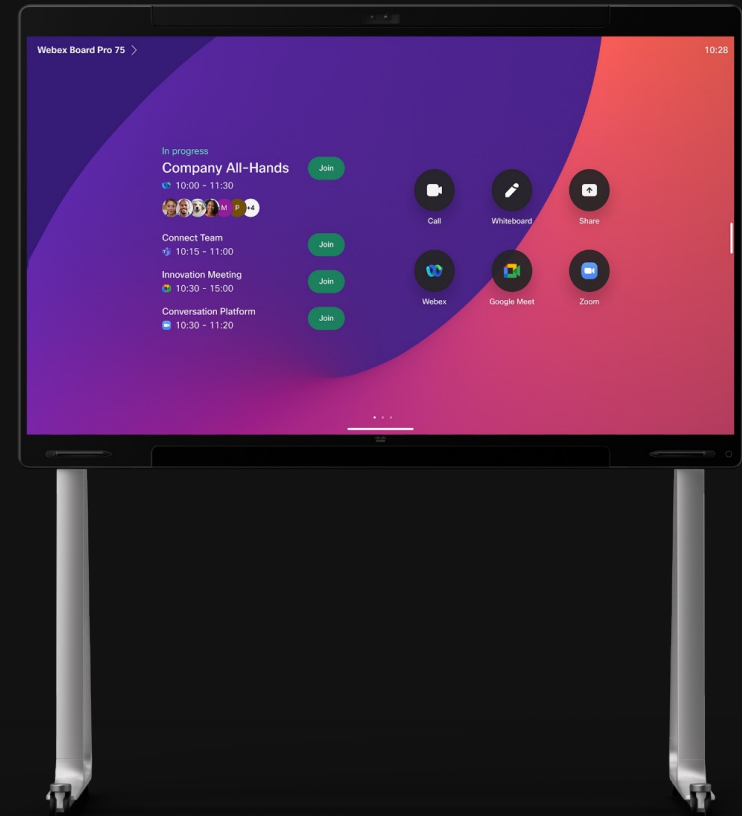
Webex Google
Meet video
interop

Webex Zoom
interop with rich
meetings
experience

Webex Video
Interop for
Microsoft Teams
or via direct
guest join

Run native 3rd
party web apps

Control Hub
management and
analytics with
APIs



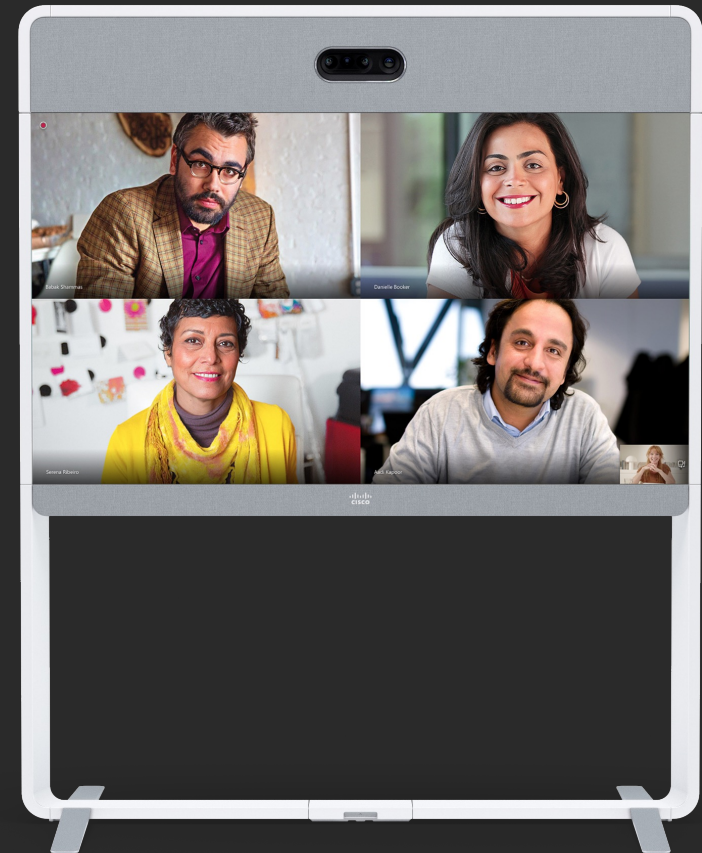
Webex Video Integration for Microsoft Teams

- Easy to join with One Button to Push or direct dial into meeting using Meeting ID
- Multi-screen experience with HD video
- Richer meeting controls with layout and roster
- VIMT license required



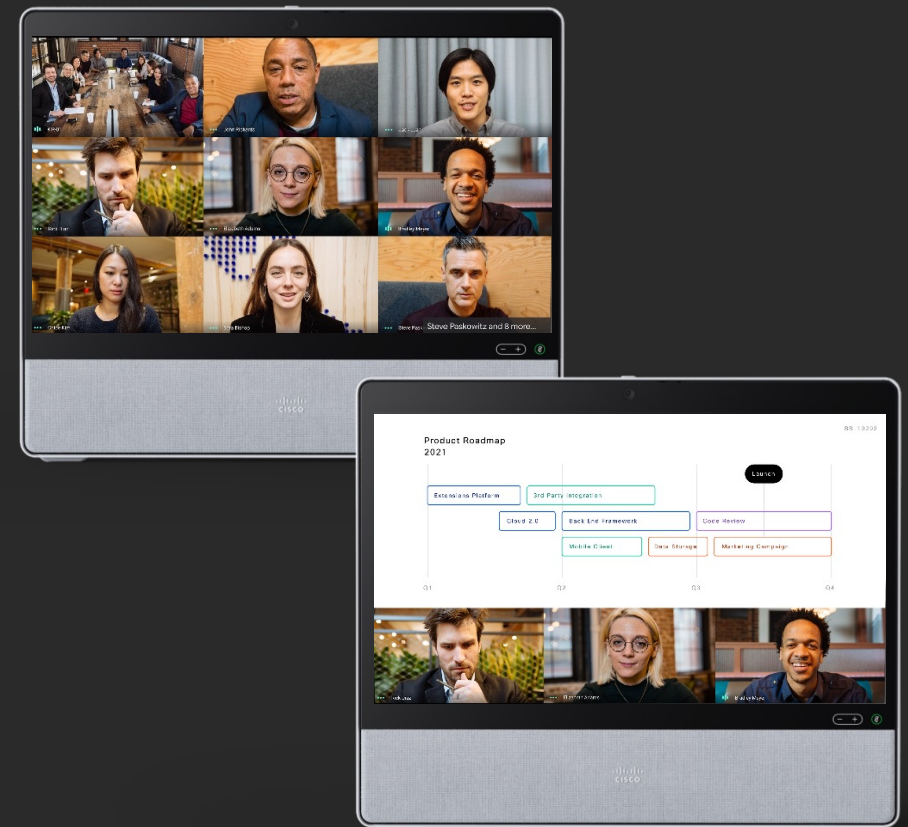
Webex Microsoft Teams Direct Guest Join

- Device WebRTC providing MSFT Teams hosted meetings
- No license required
- Easy to join with One Button to Push
- Single screen support



Webex Google Meet Video Interop

- Device WebRTC providing Google Meet hosted meetings
- Easy to join with One Button to Push or direct dial into meeting using Meeting ID
- Preserves layout, name labels, and content sharing from Google
- Device controls are available and actions like volume control, mute and hang-up are part of Webex UI



Webex & Zoom Video Interop

- Easy to join with One Button to Push or direct dial into meeting using Meeting ID
- Supports DTMF commands in-call such as managing layouts and host controls
- Dual-screen experience
- Zoom Conference Room Connector is required
- Our target is to develop a UI that allows you to connect into a Zoom meeting from a Webex Device



MS Teams – Join Options

	MTR	WebRTC	VIMT (CVI)
description	Native MS Teams client	Web client	SIP client
features	search directory MS teams whiteboard ad-hoc meeting	<i>coming soon:</i> dual-screen display, HDMI share	dual-screen, content share, whiteboard share
license	Webex + MTR	Webex	Webex + VIMT
target users	mainly MS Teams meetings	all meeting types, a lot of external invites	all meeting types, MS Teams mainly internal



The bridge to possible

Thank you

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