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Al Insights and Beyond

Full Network Intelligence and Recommendations in the Cloud

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Cisco Webex App

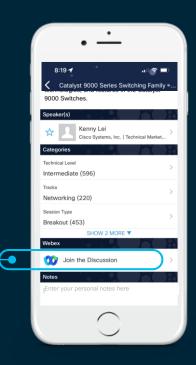
Questions?

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 June 17, 2022.



https://ciscolive.ciscoevents.com/ciscolivebot/#BRKMER-2004





Agenda

- Scaling you network for the needs of tomorrow
- The journey from Day 0 to Day N
- The challenges at each stage
- Day 2 vs Day N

Our Mission

Deliver exceptional experiences at scale



Intelligent and automated



Cloud-first platform



Instant, inclusive connectivity



Powered by the network

Hybrid work

Smart spaces



Hybrid Work Trends 64%

Job loyalty for remote work status

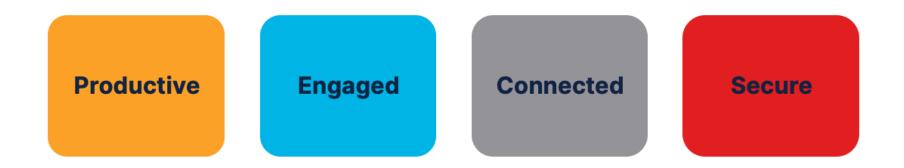
2.4x
Increase in malicious access attempts

77%

More connected and productive



Smarter Hybrid Work Spaces





The new hybrid work experience

Smarter spaces powered by location intelligence

Always-on digital collaboration spaces

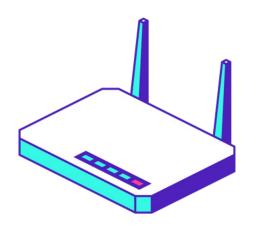
Dynamic workspaces and mobile workforces

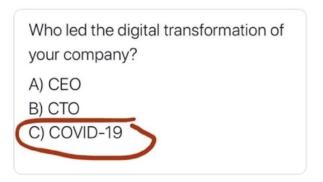
Novel guest experiences and common spaces





The new hybrid work experience





\$500+ Wi-Fi systems at home have become the norm during COVID

Now users expect this experience anywhere



Day 0

Day 1

Day 2

Day N

Zero-touch Onboarding

Configuration

Policy Enforcement

Security & Automation

.... at scale

Network Experience Dashboard

RCAs that you can trust

Intelligent firmware rollout

Flexibility to choose cloud managed or on-prem

From closing tickets to designing your network with predictive analytics

Intelligent firmware rollout

....Al that is always keeping an eye out for problems

Day 0



A full stack portfolio to power IT and OT







A Launchpad for New Products

The foundation that accelerates all our new products



Dashboard



Mobile



APIs



Alerts



Push Notifications



Webhooks



The Cloud Platform is our Foundation

Data-Powered Products **Open APIs** + Ecosystem Platform that is simple, secure and intelligent **Cloud-First** Ops



Meraki Cloud

650,000+

Customers

190+

Countries

10M +

Active Meraki Devices

120M+

Connected Devices on our Network



Meraki Platform Growth & Adoption

API & ECOSYSTEM HIGHLIGHTS

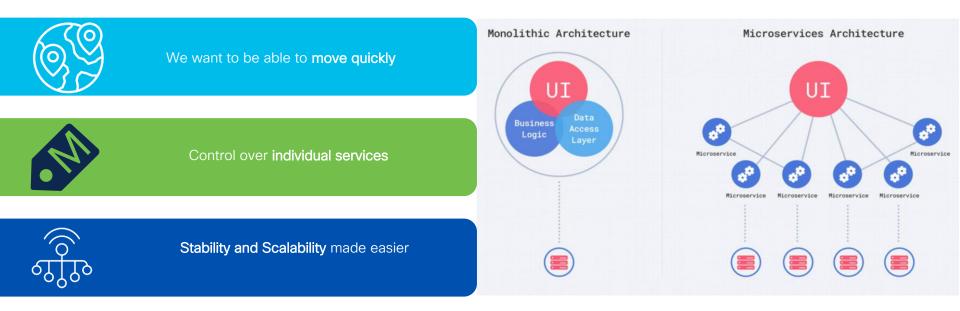
3B+ dashboard API requests processed per month

100K+ monthly active API accounts

214+ official ecosystem partner solutions



Microservices architecture for scalability





Day 2



Automating Assurance with Meraki Health



Insights with exclusive partnerships

Industry leading partnerships with device vendors for additional details

Apple: Insights into disassociation and OS

Intel: Roaming insights and driver information

Samsung: Coming Soon



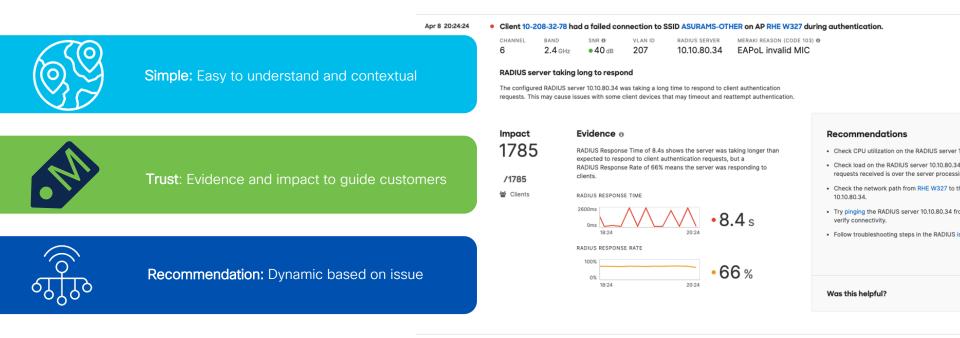






Root Cause Analysis Powered by Meraki Al

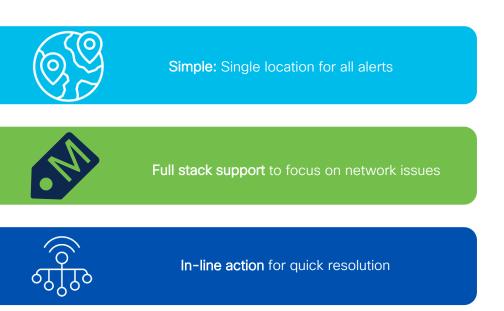
with context at a client, device and network level

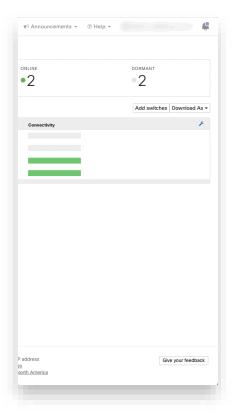




Alert Hub to highlight issues

All issues at a central location for the network

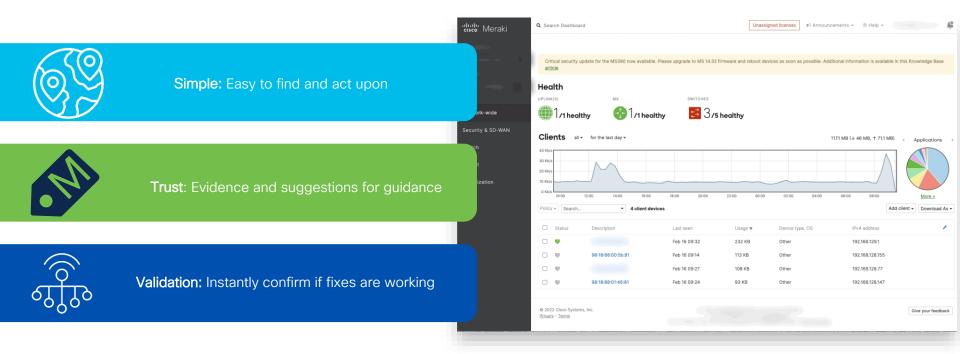






Actions to help resolve issues quickly

With guidance and validation





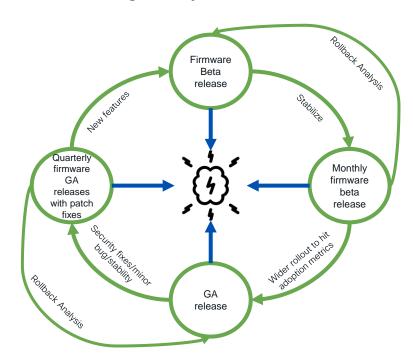
Making the cloud work for YOU!!!

Intelligent firmware rollout that constantly monitors firmware globally





Proactive outreach to resolve issues



Continuous monitoring to ensure quality for customer deployments



Proactive Issues Caught

3 issues resolved due to rollback analysis (NLP) on MR27.x

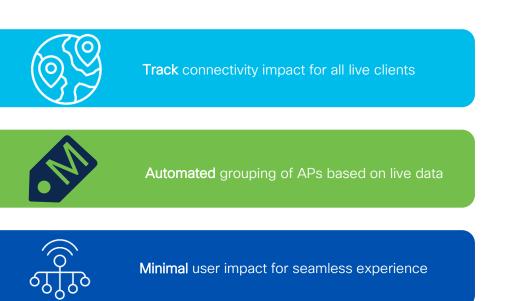
12 customers impacted by issue detected during rollout; proactively resolved

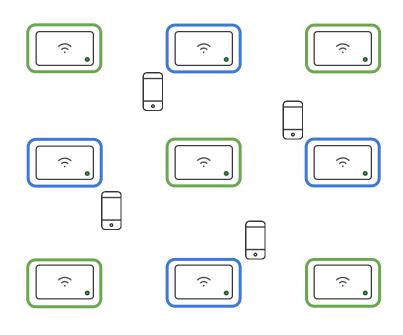
years
of monitoring to evolve
the process



Firmware upgrades without user impact

Intelligent firmware upgrades that considers user connectivity impact











Day N



Planning for the future

with insights from global data lake



Track connectivity impact for all live clients



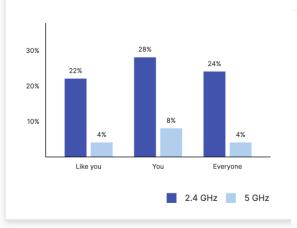
Automated grouping of APs based on live data



Minimal user impact for seamless experience

Channel utilization by band

Your 2.4 GHz channel utilization is above the industry average.



Channel utilization by band



Tip: Moving clients to the 5 GHz band reduces latency by up to 100% and can also significantly improve data rates.

Your individual ranking

Your 2.4 GHz channel utilization is 28%. There are 258 dual band clients with 10 MB of usage or more, which is not ideal. Migrate these clients to 5 GHz for better network performance.

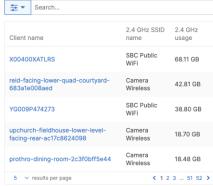
28%

2.4 GHZ CHANNEL UTILIZATION

•258

> 10 MB 2.4 GHZ USAGE

Clients with > 10 MB usage on the 2.4 GHz band



Recommendations

- · Change SSID operation bands.
- · Enable band steering on SSIDs.
- · Upgrade legacy client devices to support the 5 GHz band.



Meraki Health: Build a data defined network

AUTONOMOUS

Automatically configure, heal, and optimize

OPTIMIZATION

Proactively fix issues personalized per network

RECOMMENDATION

Build confidence to provide recommendations and suggestions

INSIGHT

Expose insights to aid in management and troubleshooting

ANALYSIS

Based on billions of data points processed every day



Technical Session Surveys

- Attendees who fill out a minimum of four session surveys and the overall event survey will get Cisco Live branded socks!
- Attendees will also earn 100 points in the Cisco Live Game for every survey completed.
- These points help you get on the leaderboard and increase your chances of winning daily and grand prizes.



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Learn



Train



Certify



Cisco U.

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Cisco Digital Learning

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Cisco Modeling Labs

Network simulation platform for design, testing, and troubleshooting

Cisco Learning Network

Resource community portal for certifications and learning



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Cisco Instructor-led and Virtual Instructor-led training

Accelerated curriculum of product, technology, and certification courses



Cisco Certifications and Specialist Certifications

Award-winning certification program empowers students and IT Professionals to advance their technical careers

Cisco Guided Study Groups

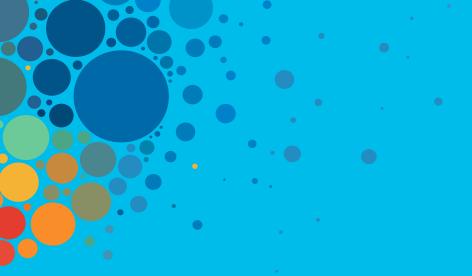
180-day certification prep program with learning and support

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- Book your one-on-one Meet the Engineer meeting
- Attend the interactive education. with DevNet, Capture the Flag, and Walk-in Labs
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Thank you



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