

The Cisco Live! logo features the word "CISCO" in a bold, black, sans-serif font, followed by "Live!" in a black, cursive script font. The background of the entire image is a vibrant, multi-colored abstract pattern of overlapping, wavy bands in shades of red, orange, yellow, green, and blue, radiating from a bright white point on the right side.

CISCO *Live!*

Let's go

#CiscoLive



The bridge to possible

A Firsthand Look at How Renown Health Transformed Their Network With Cisco DNA Center

Renown Health

Matt Okuma, Systems Architect , CCIE# 52799

Dustin Metteer, Sr. Network Engineer, Renown Health

CSSOPS-1070

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Agenda

- Introduction
- About Renown Health
- Current Trends
- Challenges and Product Solutions

- Cisco DNA Center – IT Transformation
 - Scale at the speed of business
 - Proactive Network Issue Detection
 - Deliver optimal user experience

- Conclusion – Outcomes

Cisco Webex App

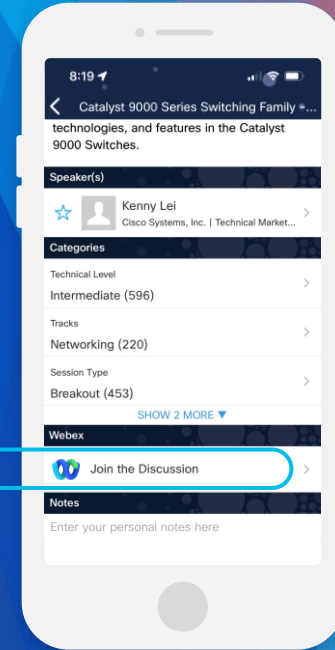
Questions?

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 9, 2023.



<https://cislive.ciscoevents.com/cislivebot/#CSSOPS-1070>

Matt Okuma



- Cisco, Sr. System Architect: 13 Years
- CCIE# 52799, Masters / Bachelors
- 23+ years industry experience

Dustin Metteer



- Renown, Sr. Network Engineer: 8+ years
- Expertise: Wireless, Campus Networks, DNAC, and ISE
- 14+ years industry experience

About Renown Health

Renown[®]

HEALTH

A national health leader that offers northern Nevada residents much-needed health and medical services, including the only Level II Trauma Center to serve over one million people across 100,000 square miles.

Location: Reno, Nevada

Size: 6500

Website: Renown.org

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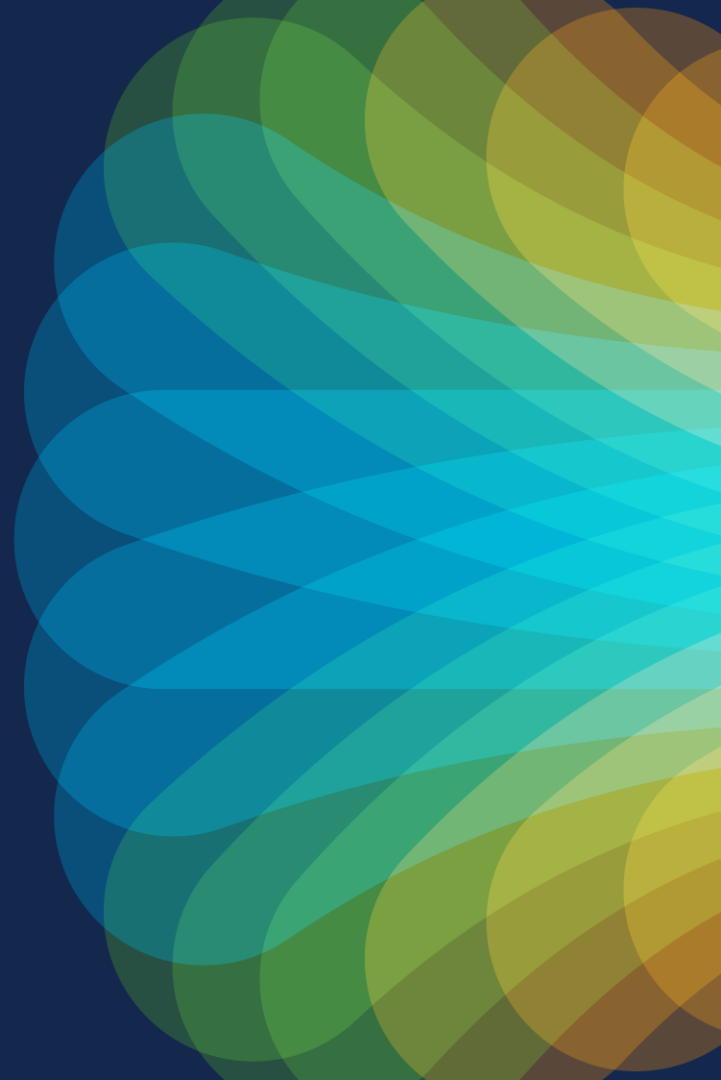
Corporate Based
Network Engineers

22K 

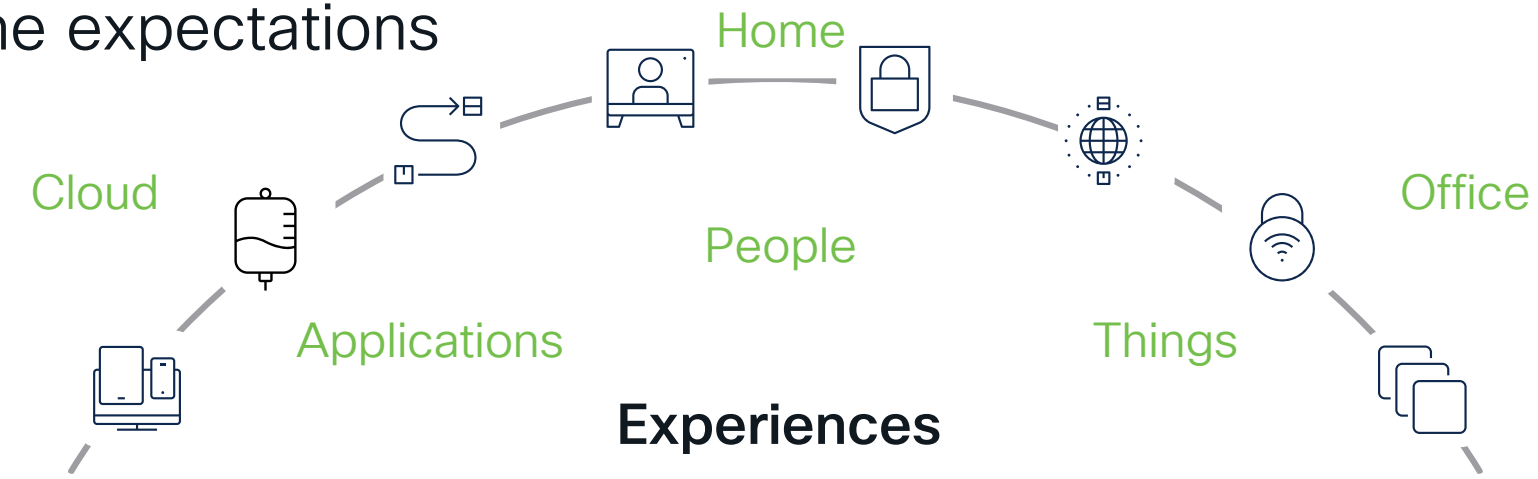
End Points Under
Management

700 %
Increase in
IoT Devices

Current Trends



The expectations



Experiences

Rely on

Connections

Dynamic

Compliant

Sustainable

Flexible

Resilient

Secure

Efficient

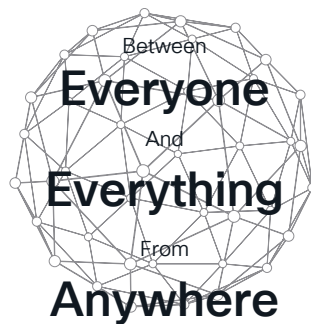
Scalable

Faster

Simpler

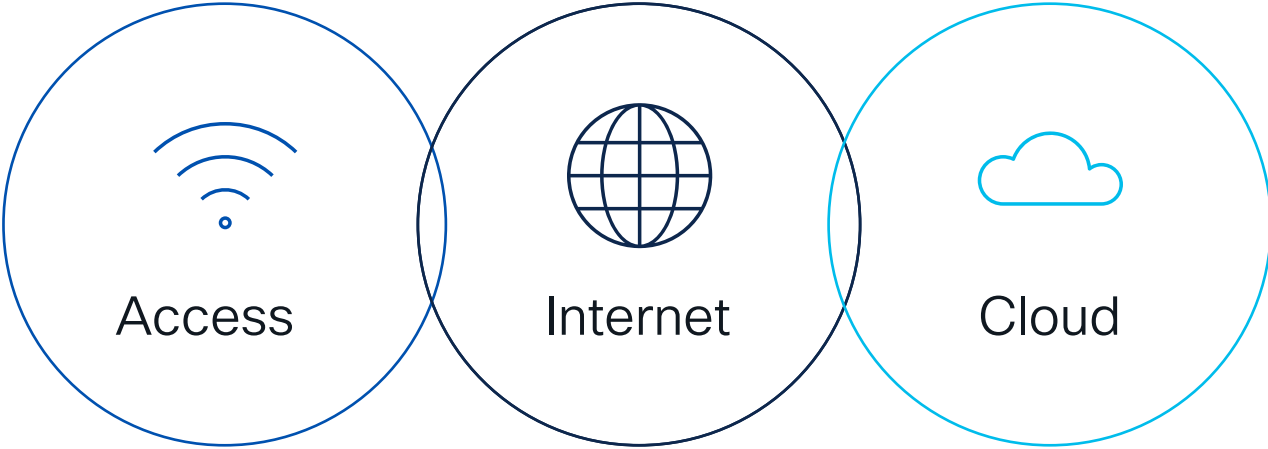
Optimized

Mobile



The reality

Wi-Fi 6E
Smart buildings
Private 5G



Hybrid cloud
IoT
Multicloud

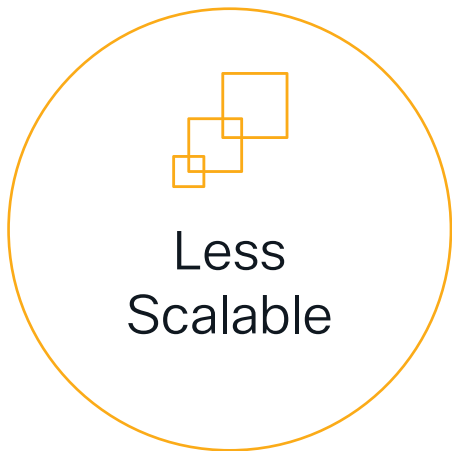
Visibility

Software-defined

Automation

The underlying network keeps expanding and increasing in fragmentation and security risks...

IT experience



...and when **the IT experience suffers**
the user experience suffers

Need to simplify IT

Challenges Solutions

Challenges

- Aging and growing network
- Growth in telemedicine and wireless devices
- Establish a consistent view of network activity and any issues
- Provide the capacity to manage network size and bandwidth requirements

Product Solutions

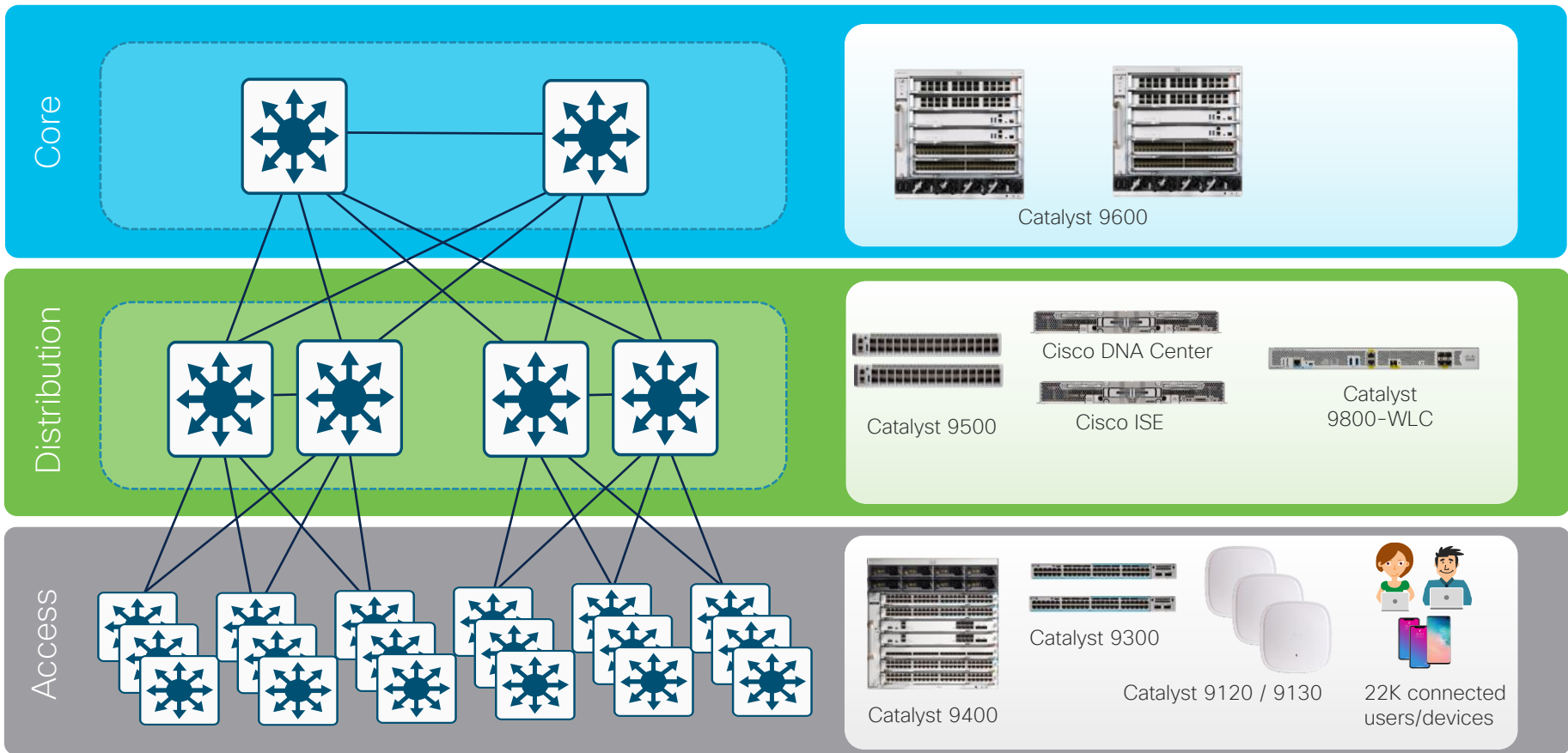
Cisco DNA Center

- Cisco Catalyst 9000 switches
- Cisco Catalyst 9100 Access Points
- Cisco Catalyst 9800 Wireless Controllers
- Cisco Identity Services Engine (ISE)
- Cisco Spaces with Stanley Healthcare

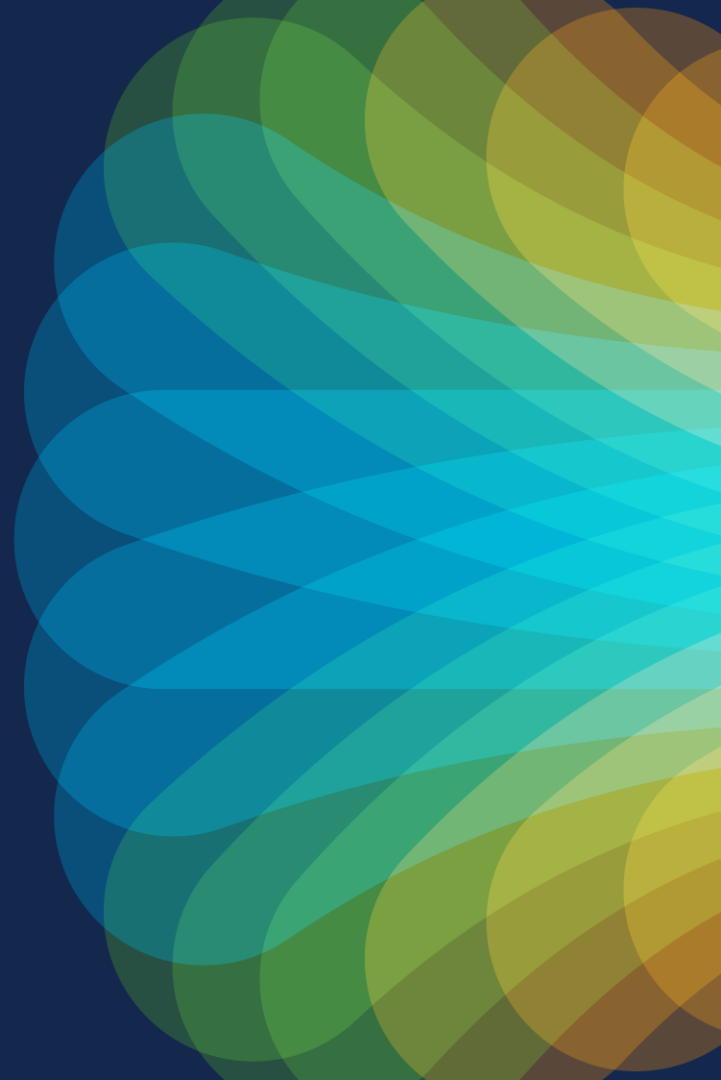
Current State



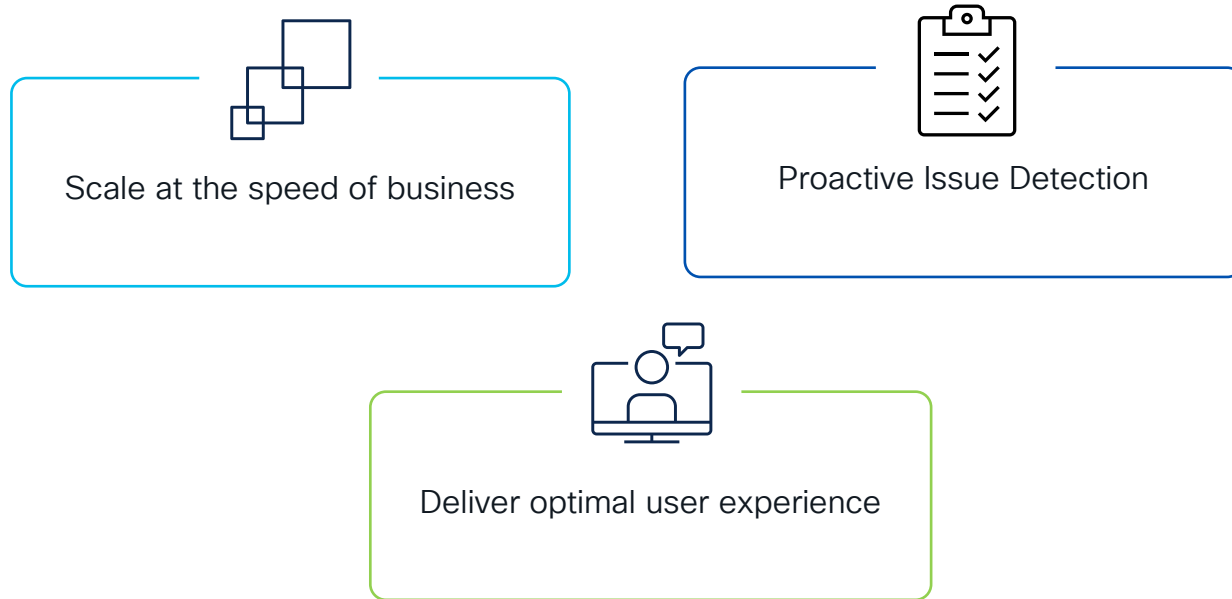
Renown's Current State Architecture



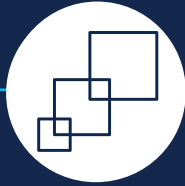
DNA Center IT Transformation



Keys to Renown's Digital Transformation with Cisco DNA Center



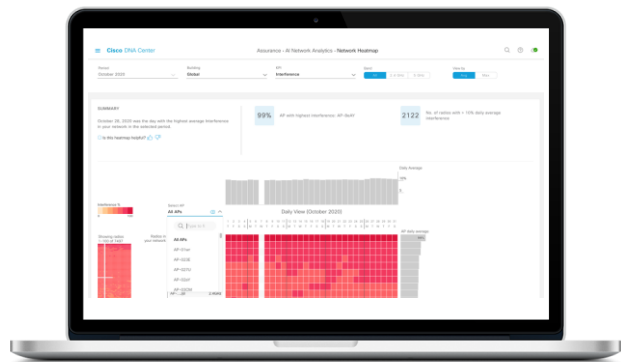
Simplify the IT Experience



Scale at the speed of business



SWIM and Device 360: Increase IT teams' agility to manage and scale the network.



AI Network Analytics: Proactively scale the network by using the power of machine learning and machine reasoning to provide accurate insights into capacity and performance



Security Advisories and License Manger: Reduce security vulnerabilities and ensure compliance.

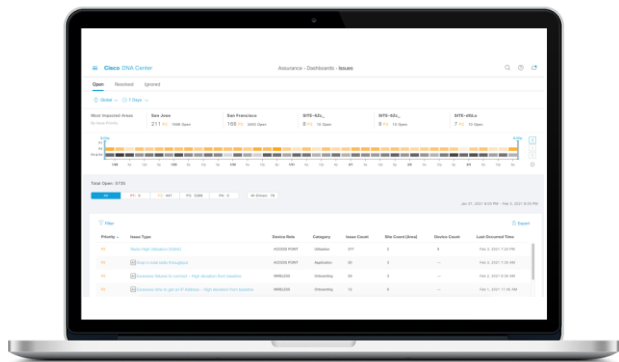
DEMO



SWIM and Device 360



Proactive Issue Detection



Assurance Dashboards: Actionable insights into network, client, and application related issues. Correlated from multiple pieces of information, eliminating white noise and false positives



AI assisted diagnostics and remediation: Reduce downtime and resolve issues quickly through triggered issues based on a deviation from a predicted specific baseline

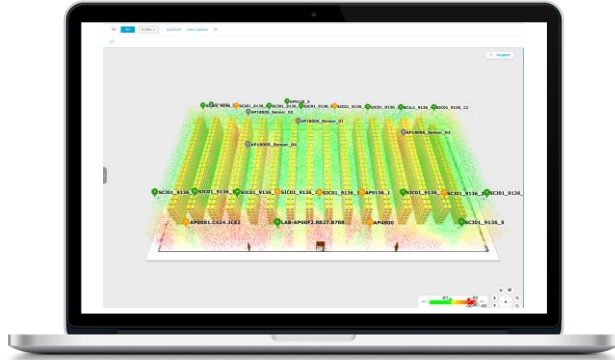
DEMO



Assurance Dashboards



Deliver optimal user experience



3D Wi-Fi visualization + Insights: Visual 3D immersive experience that simplifies the planning, deployment, coverage and tuning of the wireless network.



Client 360 Dashboard: Provide a global view of the health of all wired and wireless clients to determine if there are potential issues that must be addressed.

DEMO



3D Wi-Fi visualization + Insights

Outcomes



Renown[®]
HEALTH

- Capabilities to effectively manage the 700 percent increase in Internet of Things (IoT) and other wireless devices with a small IT team
- Reduced the average troubleshooting time by 94 percent, from four hours to 10–15 minutes
- Increased reliability with proactive monitoring and after-hours patching and upgrades

Accelerated digital healthcare applications at the speed of which the business required, including bandwidth requirements.

Cisco / Renown Public case study

<https://www.cisco.com/c/en/us/about/case-studies-customer-success-stories/renown-health.html>

Fill out your session surveys!



Attendees who fill out a minimum of four session surveys and the overall event survey will get **Cisco Live-branded socks** (while supplies last)!



Attendees will also earn 100 points in the **Cisco Live Challenge** for every survey completed.



These points help you get on the leaderboard and increase your chances of winning daily and grand prizes

Continue your education

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

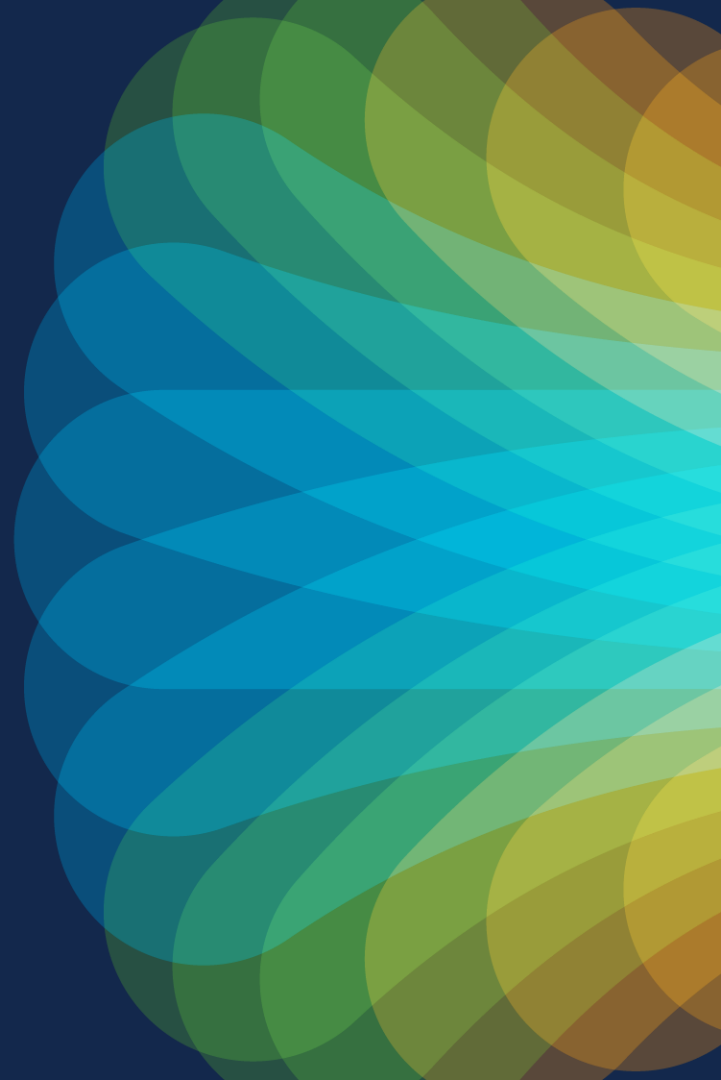


The bridge to possible

Thank you

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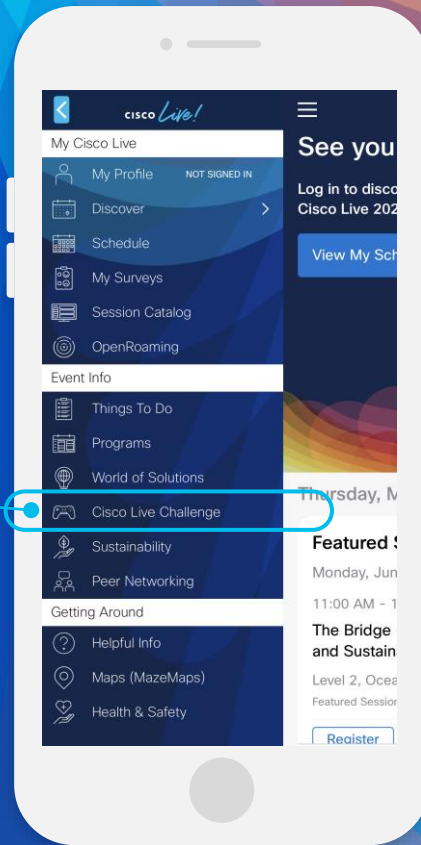
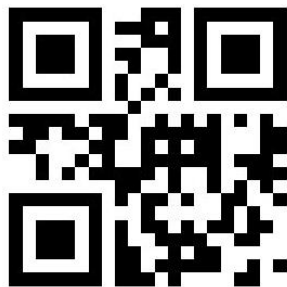


Cisco Live Challenge

Gamify your Cisco Live experience!
Get points for attending this session!

How:

- 1 Open the Cisco Events App.
- 2 Click on 'Cisco Live Challenge' in the side menu.
- 3 Click on View Your Badges at the top.
- 4 Click the + at the bottom of the screen and scan the QR code:



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Let's go

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