

CISCO *Live!*



#CiscoLive



The bridge to possible

# Introducing Cisco Nexus Cloud

Simplest way to manage your cloud and on-premises networks

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PSODCN-2354



#CiscoLive

# Cisco Webex app

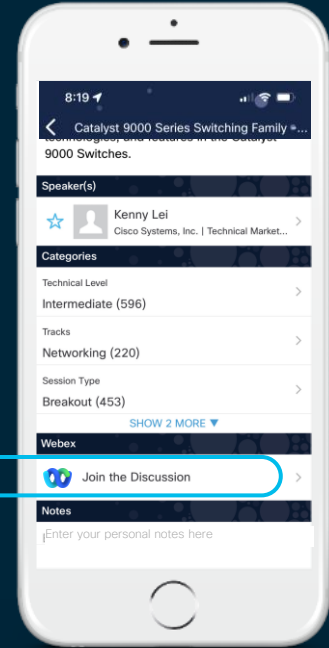
## Questions?

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://cislive.ciscoevents.com/cislivebot/#PSODCN-2354>

# Solving the customer complexity

## Customer Needs



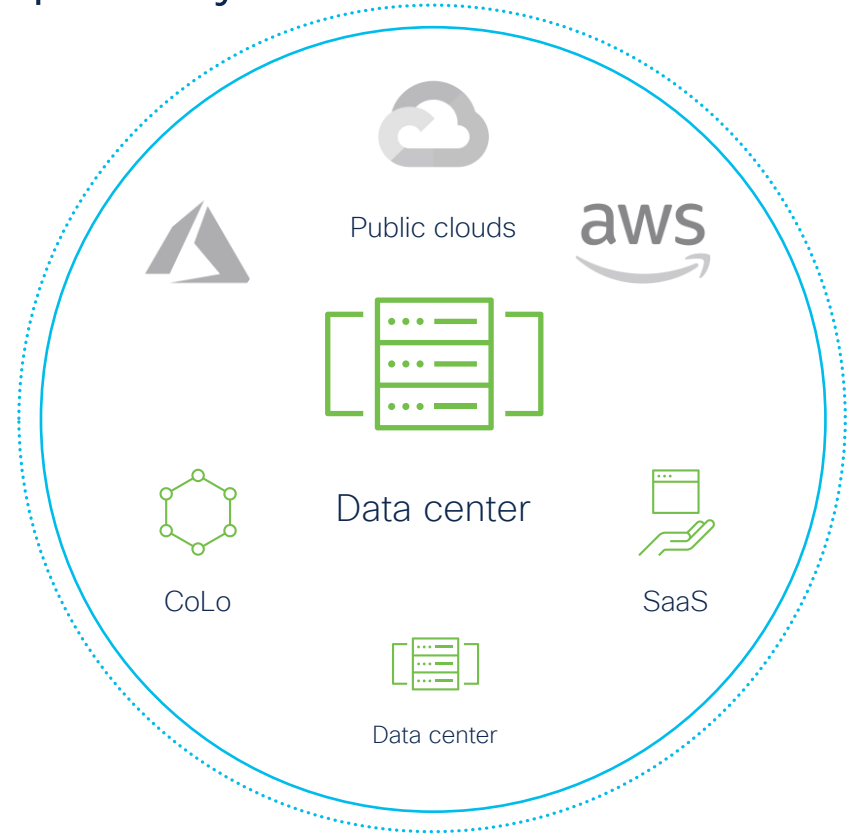
### Cloud-managed and cloud-delivered

Agility | Simplicity | as-a-Service

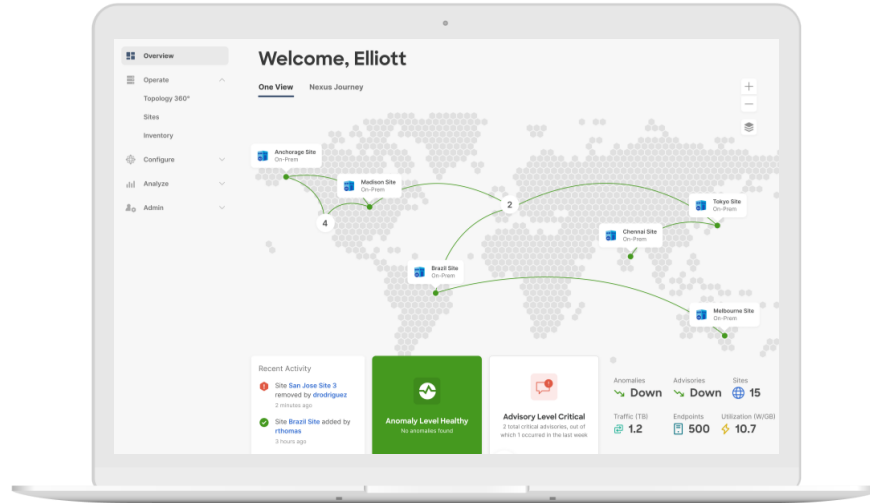


### High performance infrastructure

Speed | Scale | Sustainability



# Cisco Nexus Cloud



Delivers application  
experiences  
users love



Securely expand  
to multicloud



Accelerate  
IT operations



Simplify security  
and compliance



Focus on  
sustainability

Cloud-delivered operations

# Experience



## Accelerate time to value

No software to install,  
no hardware to run it on



## Always enjoy the latest

Continuous innovation  
delivered as-a-Service



## Grow at your pace

Operations platform that  
auto-scales with your network



## Deliver as promised

Connected support  
and real-time analytics

# Consolidating, automating, and rightsizing global IT

With 28,000 employees and operations in 40 countries, KBR delivers science, technology, and engineering solutions to governments and companies around the world.



## Challenges

- Need for increased network speed and performance
- Issues with application performance
- Improving app-to-hardware visibility and orchestration
- Many high latency and low bandwidth locations
- Optimizing VM resources and costs

## Results

- Improved alignment between application, compute, network, and database teams
- Increased network performance, redundancy and longevity with 100G
- Identified over/under provisioning in 25% of hosts and 85% of VMs; reduced server and tool sprawl
- Attained and implemented 5000 recommended actions increasing resource utilization, cost efficiency, and application performance

## Solutions

- Nexus 9000 Switches running NX-OS
- UCS Servers: X-Series, C-Series, E-Series and B-Series
- Intersight/Intersight Workload Optimizer (IWO)
- AppDynamics
- ThousandEyes
- Enterprise Networking

## Vision

*“Cisco’s new **Nexus Cloud** raises the bar for simplicity by deploying, operating and managing Nexus infrastructure from the cloud. It will provide KBR with a critical tool for scaling out hybrid cloud strategies.”*

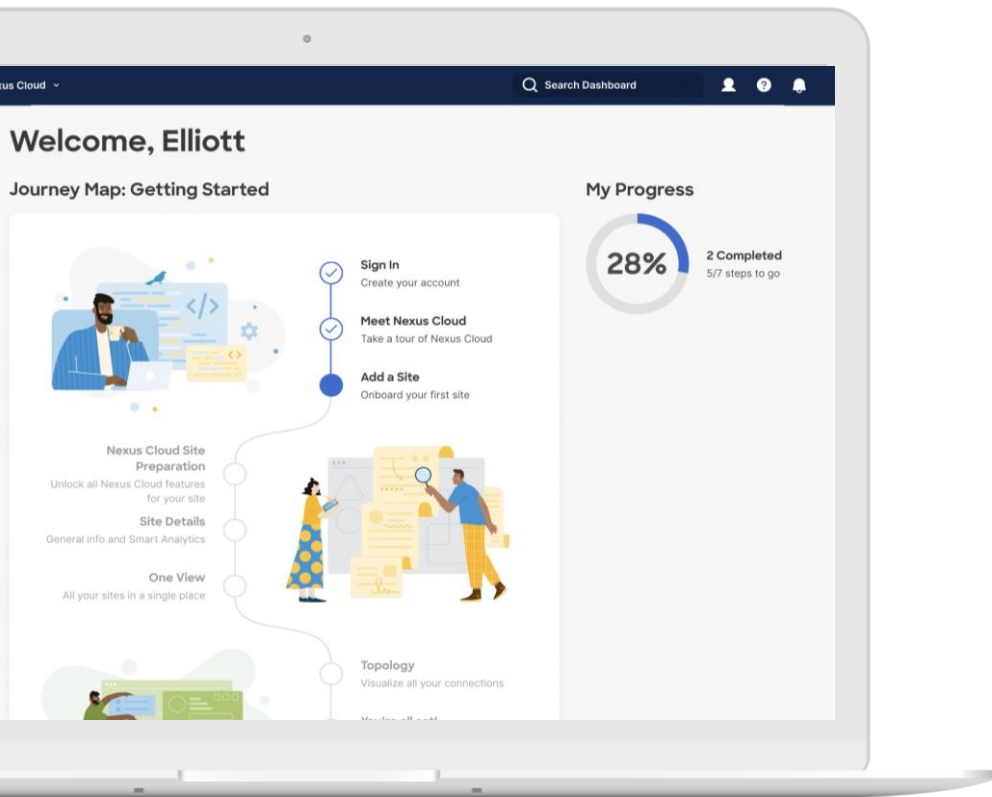
Jeff Hawks  
Global Director of Compute and Communications  
KBR

Cisco Nexus Cloud  
has the answer





Configure **with ease**



## Let's make onboarding easy

Automate discovery and provisioning of network infrastructure and application connectivity



## Start secure. Stay compliant.

Enforcement of policy-based network segmentation

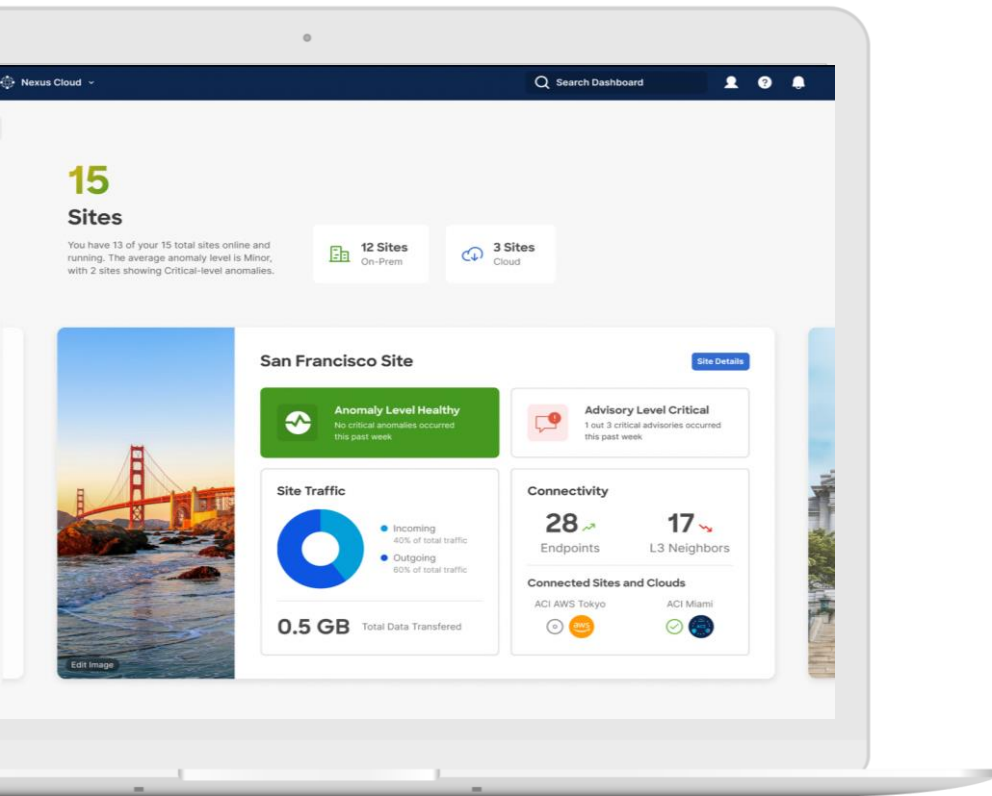


## Set a course for smooth scaling

Full lifecycle management across design, scaling and automation of your environment



Operate **with confidence**



## See it all

Comprehensive visibility that correlates application and infrastructure telemetry across all sites



## Never be caught off guard

Anomaly detection and reporting quickly identifies deviations from baseline network performance

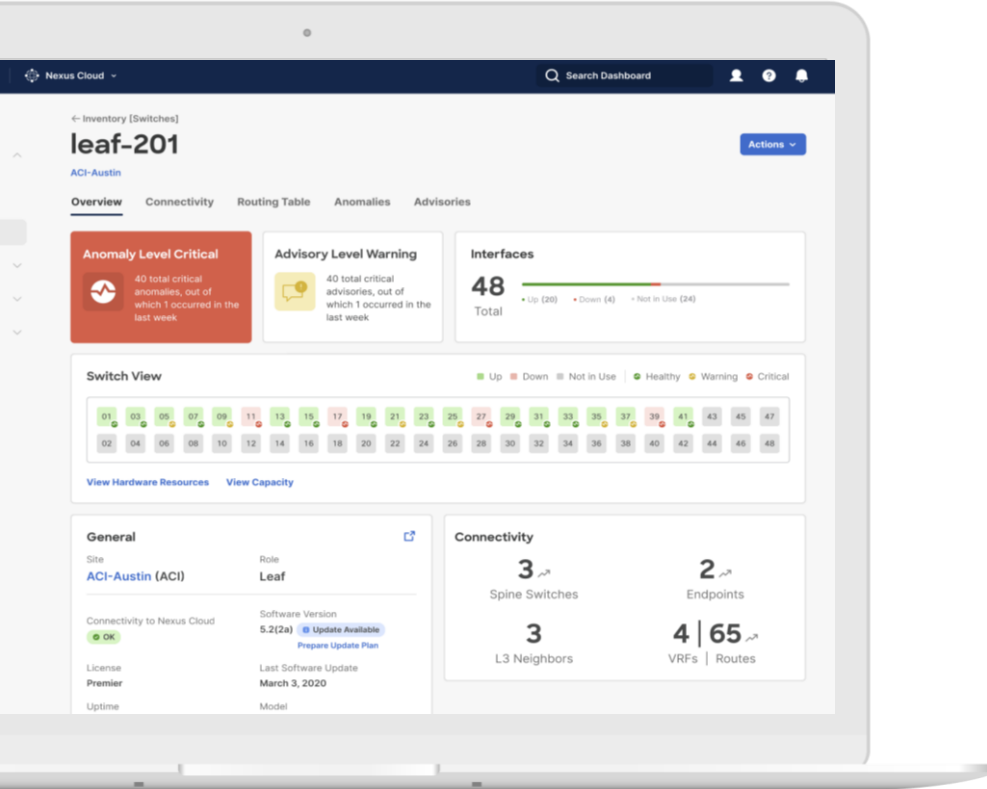


## Always up to date

Proactively mitigate risk with alerts that ensure infrastructure conformance, software upgrades and security vulnerabilities



## Analyze for predictability



### Intercept the unintended

Pre-change validation evaluates the impact of network configuration changes before you make them



### Get to resolution (and innocence) faster

Accelerate root cause analysis with event correlation and advanced analytics



### Deliver as promised

Ensure business continuity and prevent compliance violations with proactive checks and prescriptive recommendations

# Sustainability by design



## Visibility

Gain visibility into network energy consumption and cost



## Carbon footprint

Understand greenhouse gases (GHG) of managed devices

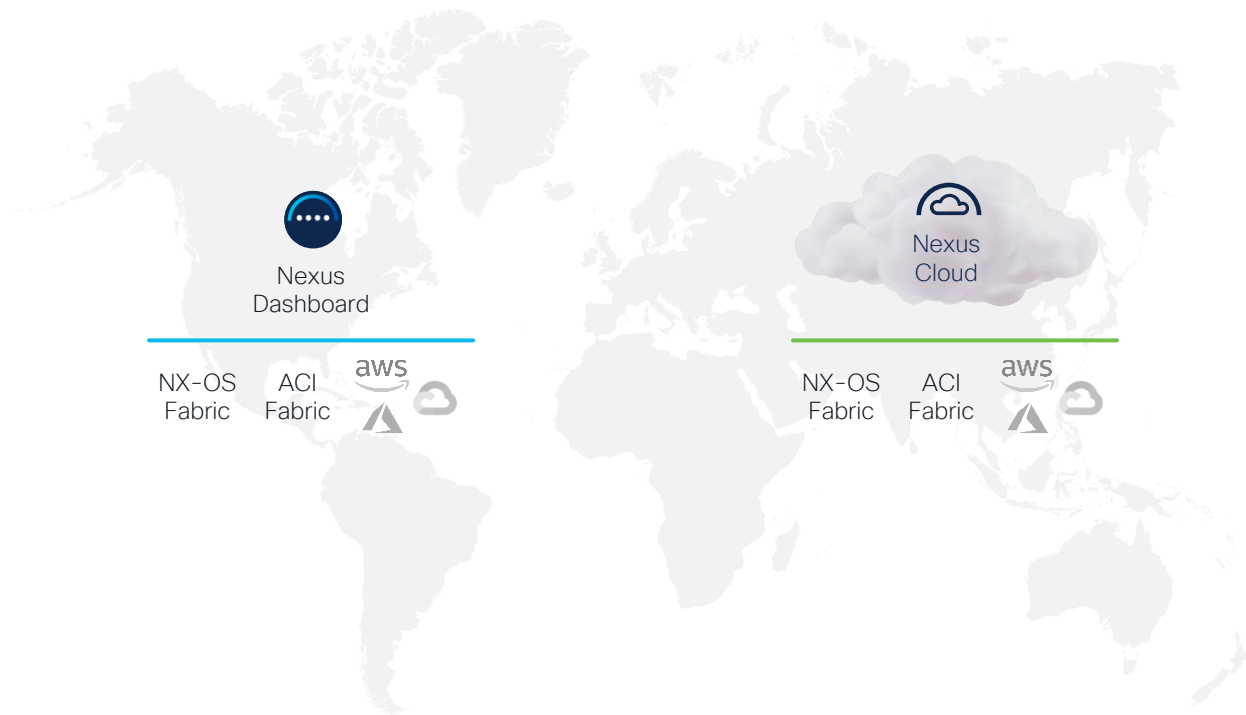


## Key sustainability metrics

Total Power Utilization Effectiveness (PUE)\*—future release



# Cisco Nexus Cloud Demo



For locally hosted operations  
**Cisco Nexus Dashboard**



For cloud managed operations  
**Cisco Nexus Cloud**

Flexibility and choice

Cisco Nexus Cloud

# Power of Nexus... ..Agility of Cloud



Fastest network operations  
**time-to-value**

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Increased **visibility** for  
Nexus Dashboard customers

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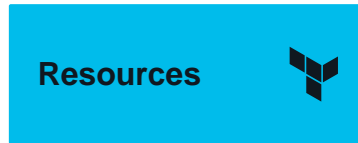
**Simple, scalable**  
cloud-delivered aaS platform



**Built-in or API-driven  
Connection  
to Developer Tools**



**Images**



**Built-in or API-driven  
Integrations  
with Operator Tools**



**Terraform Providers  
to Any Infrastructure**





# Nexus Cloud licensing and offer



## Existing switch-based licenses

Premier

Advantage

Essential

## Cisco Nexus Cloud

Cloud-managed  
experience

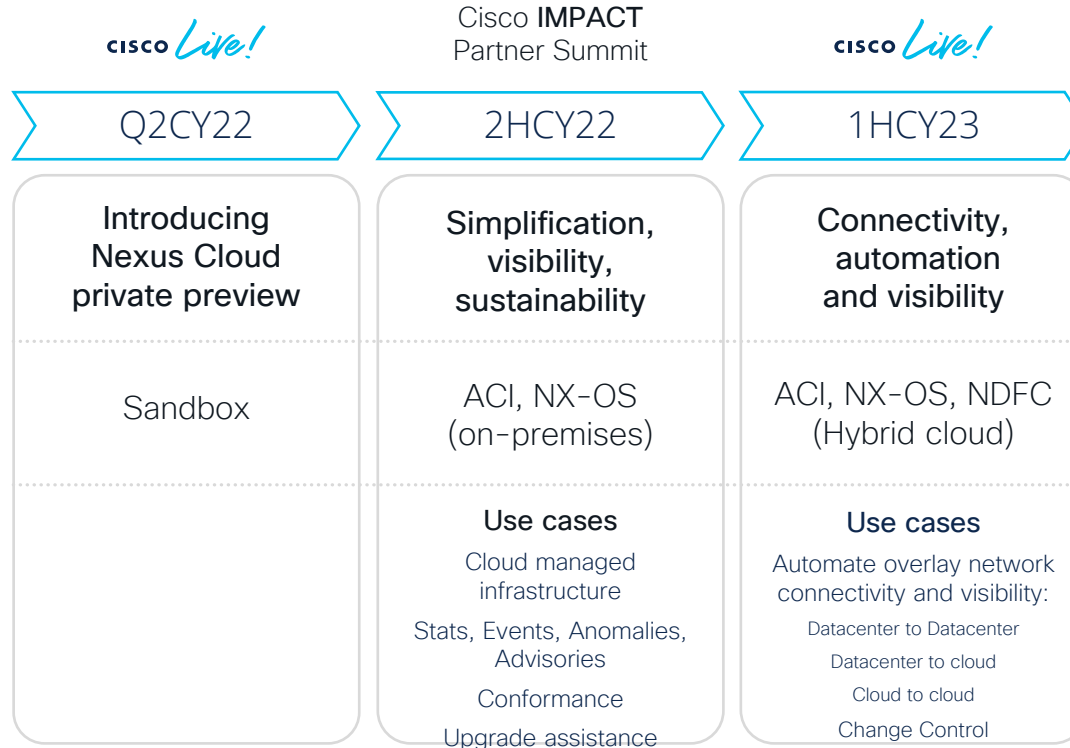
Global  
infrastructure view  
and Cisco support

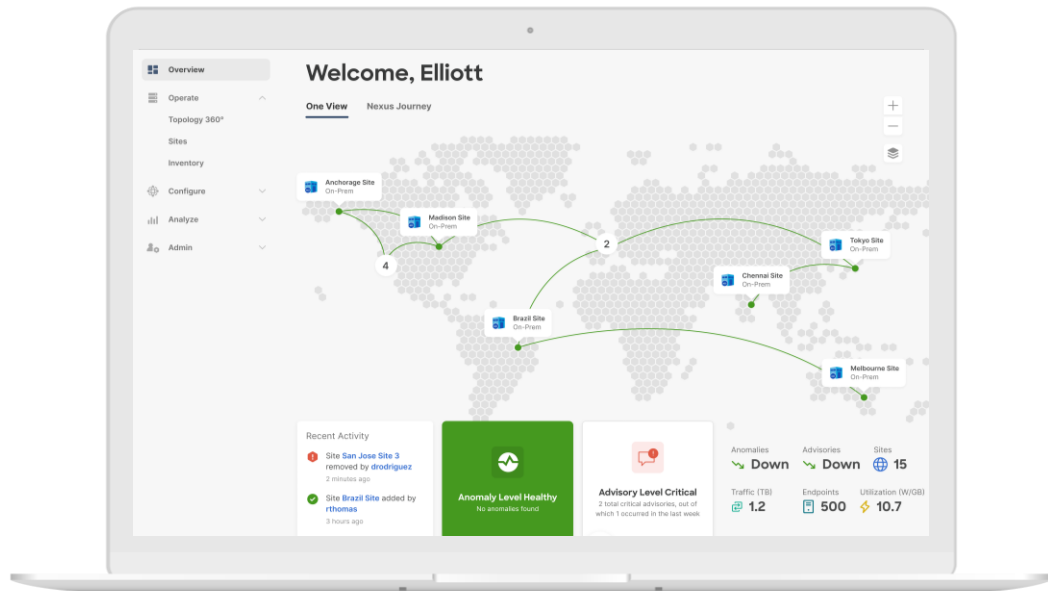
## Premier Offer

**Term** | Nexus Cloud 1Y, 3Y, 5Y

**1HFY23  
offer** | 25% off

# Nexus Cloud Roadmap





# Cisco Nexus Cloud



Simplicity



Visibility



Sustainability

# Resources



[Website](#)



[Webinar](#)



[Subscription list](#)



**Meet the engineers**

# 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.



# Cisco Learning and Certifications

From technology training and team development to Cisco certifications and learning plans, let us help you empower your business and career. [www.cisco.com/go/certs](https://www.cisco.com/go/certs)

## Pay for Learning with Cisco Learning Credits

(CLCs) are prepaid training vouchers redeemed directly with Cisco.



## Learn

### Cisco U.

IT learning hub that guides teams and learners toward their goals

### Cisco Digital Learning

Subscription-based product, technology, and certification training

### Cisco Modeling Labs

Network simulation platform for design, testing, and troubleshooting

### Cisco Learning Network

Resource community portal for certifications and learning



## Train

### Cisco Training Bootcamps

Intensive team & individual automation and technology training programs

### Cisco Learning Partner Program

Authorized training partners supporting Cisco technology and career certifications

### Cisco Instructor-led and Virtual Instructor-led training

Accelerated curriculum of product, technology, and certification courses



## Certify

### Cisco Certifications and Specialist Certifications

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

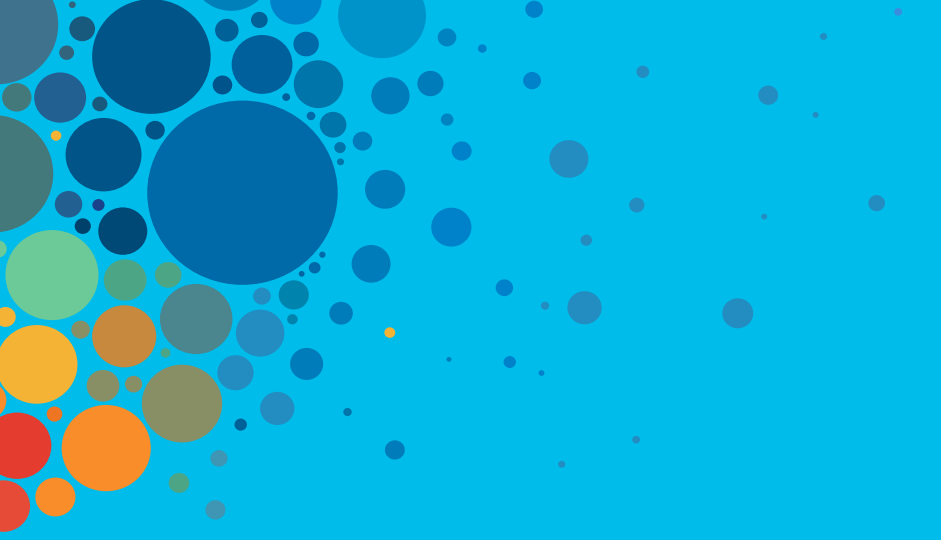
### Cisco Guided Study Groups

180-day certification prep program with learning and support

### Cisco Continuing Education Program

Recertification training options for Cisco certified individuals

Here at the event? Visit us at **The Learning and Certifications lounge at the World of Solutions**



# Continue your education

- 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](https://www.CiscoLive.com/on-demand)



The bridge to possible

# Thank you

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