

CISCO *Live!*



#CiscoLive



The bridge to possible

# Cisco HyperFlex Innovation to Power your Hybrid Cloud

Deploy Everywhere, Manage from Anywhere

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@flash4all

PSODCN-2351



#CiscoLive

# Cisco Webex App

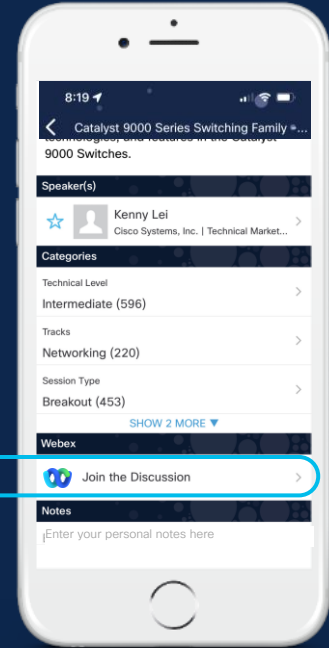
## Questions?

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://ciscolive.ciscoevents.com/ciscolivebot/#PSODCN-2351>



# Agenda

- Changing role of IT
- Paths to Hybrid Cloud
- Cisco Cloud Approach and Advantages
- HyperFlex Innovation Pillars

# Changing role of IT ..

Shift towards a digitally driven economy

Global spending on digital transformation  
is forecast to reach \$2.8 trillion in 2025

-IDC



## High user expectations

**49%** Of users switched suppliers due to poor digital experience; **50%** willing to pay more for a service with a better digital experience



## Support an explosion of applications

By 2023, the number of applications running in the data center and edge locations increases by **300%**.



## Enable application modernization

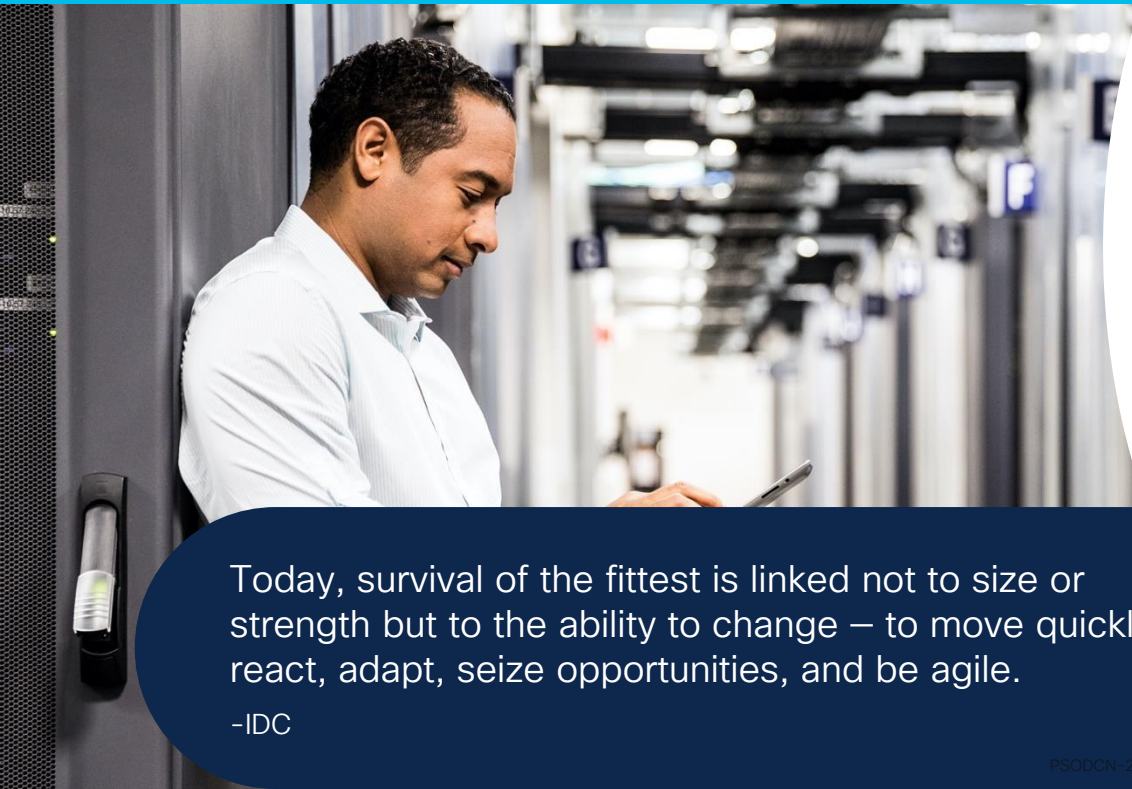
By 2023, over **500 million** digital apps and services will be developed using cloud-native approaches



## Drive greater digital reach

By 2023, over **50%** of new enterprise IT infrastructure deployed will be at the edge

# Requiring modern solutions that bridge the gaps between business demands and IT...



Today, survival of the fittest is linked not to size or strength but to the ability to change – to move quickly, react, adapt, seize opportunities, and be agile.

-IDC



Power apps and data anywhere



Optimize Operations – Cloud-like resource delivery



Agility – single platform and operating model



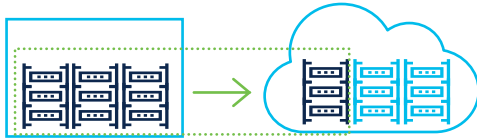
Distributed operations at scale

# Path to Hybrid Cloud: 3 options

“Make public cloud look like my datacenter”

Datacenter, Edge

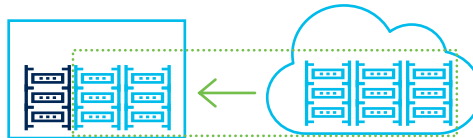
Public Cloud



“Bring public cloud into my datacenter”

Datacenter, Edge

Public Cloud



Open Hybrid Platform with flexible consumption model



Datacenter, Edge

Public Cloud(s)



- Cloud-managed hardware
- Open for partner tech & GTM integrations
- Full-stack correlation w/ hardware and workloads

# Hx + Intersight = deploy everywhere, manage from anywhere

Power your applications and data anywhere



SD-WAN



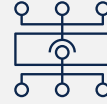
ACI



Workload  
Optimizer



Intersight



Kubernetes  
Services



AppDynamics



Cloud  
Orchestrator



Edge/ROBO



Data center

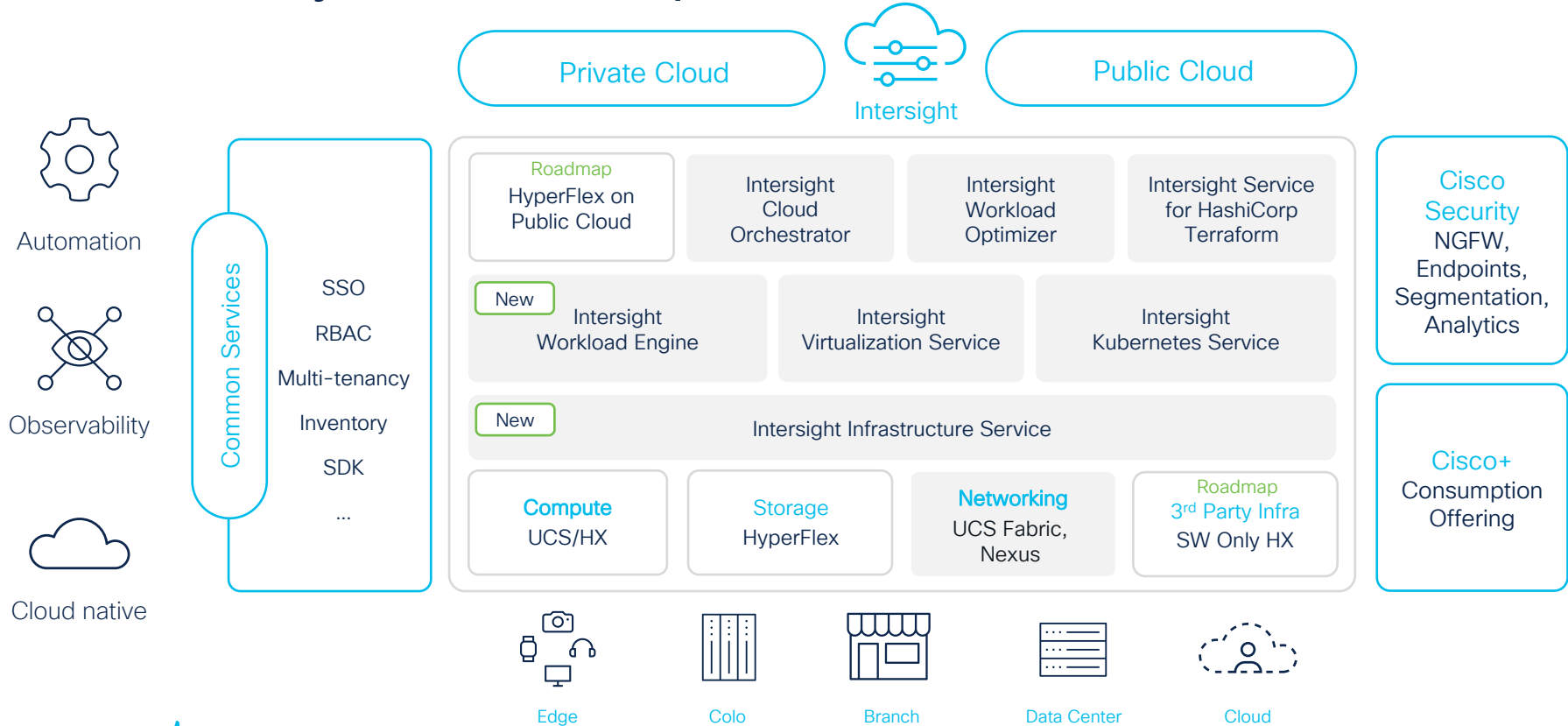


Multicloud





# Cisco Hybrid Cloud platform



# Operational consistency

## Container and VMs



Secure



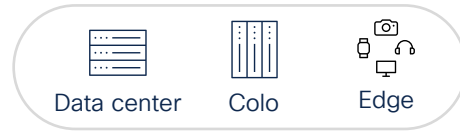
Cloud-Managed



Enterprise-Ready

### Deploy and Define

from the cloud in minutes



Containers



Virtual  
Machines



Intersight

### Operate and Optimize

consistently across the globe



Virtual  
Machines



Containers

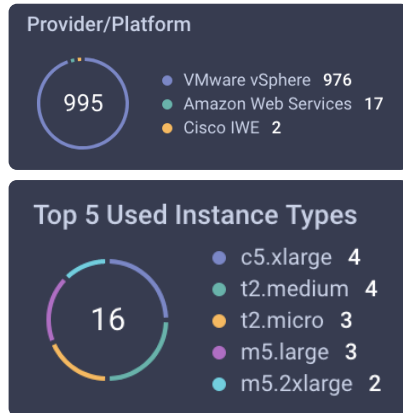
New

# What's in it for operators?

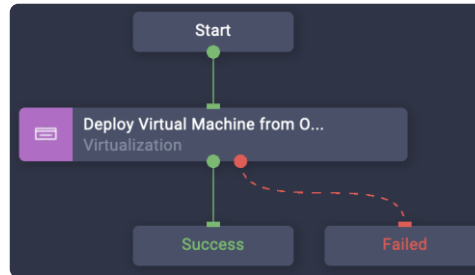


## Cisco Intersight Cloud Operations Platform

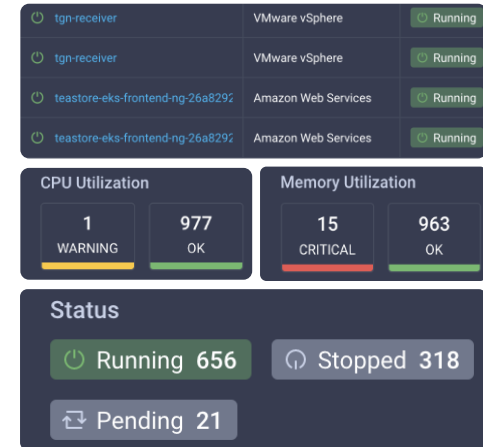
### Visualize anywhere



### Automate anywhere



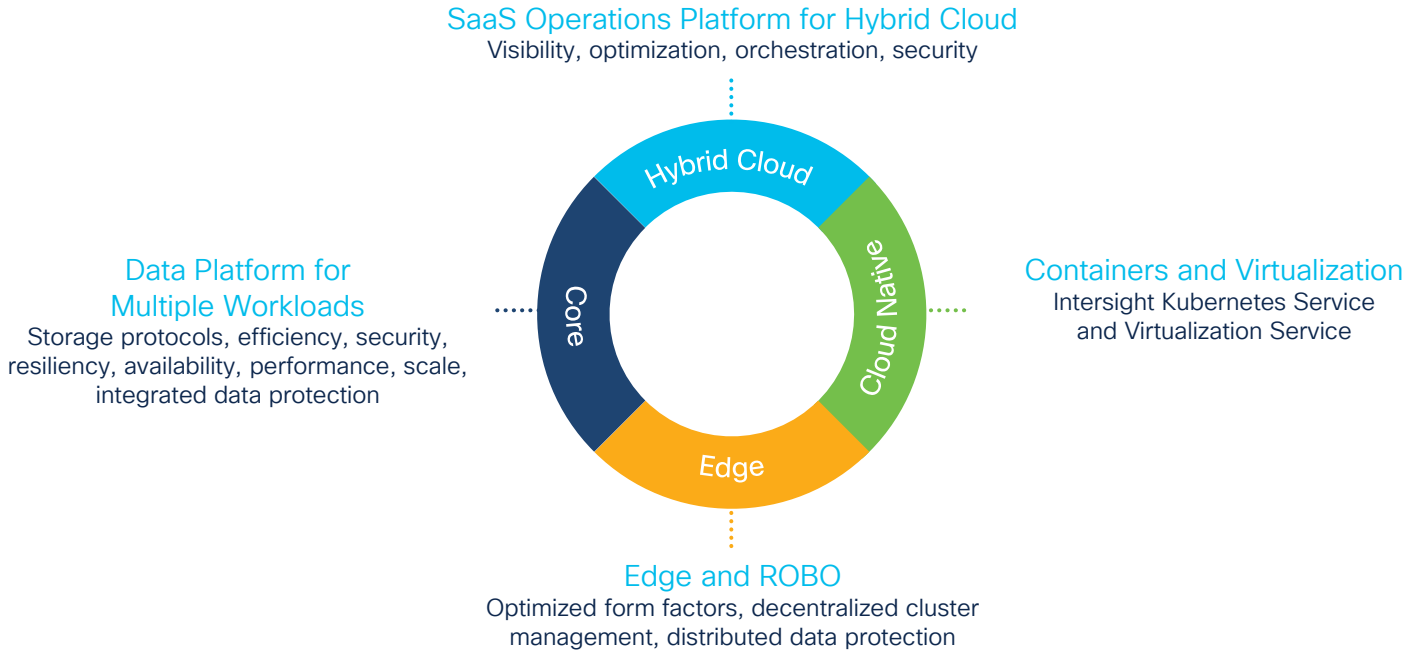
### Operate anywhere



# Why customers choose HyperFlex for Hybrid Cloud journey?



# HyperFlex innovation pillars



**CRN**

10 Hottest hyperconverged infrastructure systems of 2021



**cisco**

HyperFlex

MLOps  
End-to-End Machine Learning Infrastructure

*"The stadium has its own data center, running the entire stadium on Cisco Hyperflex hyper-converged infrastructure, ...with just a few server racks."*



# HyperFlex – key advantages

“Deploy Everywhere, Manage from Anywhere”

## Cisco Hybrid Cloud Platform HyperFlex Data Platform + Intersight

### Performance

- Best in class-performance
- Run more workload with less nodes

### Simple, Cloud Managed

- Full stack cloud management
- Single operating model across edge, datacenter and public cloud

### Versatile

- Independently scale compute and storage
- Form factor to support the use case



### Overall winner

Competitive bakeoff scores:

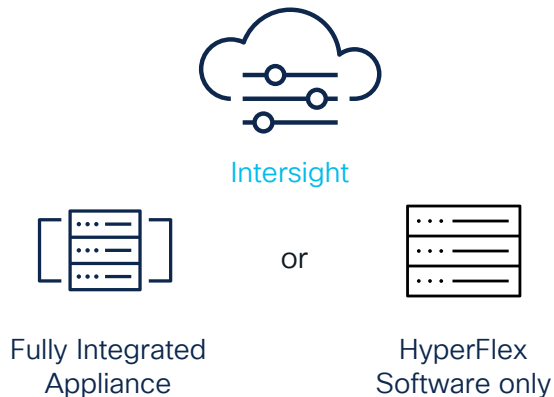
- Cisco HyperFlex 1060
- Competition 875

Key HX advantages:

- Ease of installation
- Better resiliency to failures
- Easier to upgrade
- Seamless, non-disruptive hardware expansion
- Technical support services

# Software-Only HyperFlex Evolution

More Choice and Flexibility



## Phase 1

Flexibility to interchange UCS/HX servers  
Competitive HCI stack replacement

## Phase 2

Rack and Blade HCI on Cisco UCS  
Qualified 3rd-party servers: e.g., ruggedized, multi-node

## Phase 3

HyperFlex in Public Cloud Bare Metal Service  
DR-as-a-service, Backup-as-a-Service

For more information: [blog](#) (public)

Increased choice of hardware  
platforms and form factors

Intersight managed HCI on Cisco  
or third-party servers

Enabling hybrid cloud services  
with HyperFlex in public clouds

# Creating more opportunities

What's coming?

## HX on AMD Rack



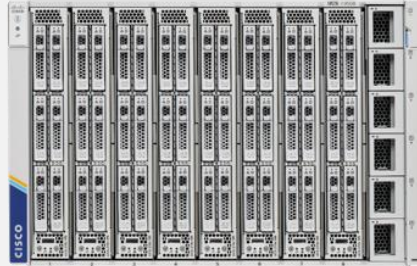
HyperFlex has the industry leading performance



AMD UCS Rack has broken previous performance records

Q2CY22

## HX + X-Series



Q4CY22

## SW Only HX

Flexibility to run on:

- Cisco UCS servers
- Third-party servers
- Ruggedized form factors

Q4CY22

HXDP in the public cloud

CY23



# Better Together

Broad, open ecosystem across Cisco and technology partners



## Hybrid/Multicloud



## Containers/Cloud native apps



## Secondary storage/Backup and recovery



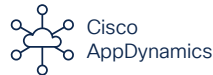
## AI/ML



## Enterprise apps



## Cisco



Cisco ACI



Cisco Intersight  
PSODCN-2351



Cisco Security



Cisco Services



Cisco Multicloud Orchestration  
17

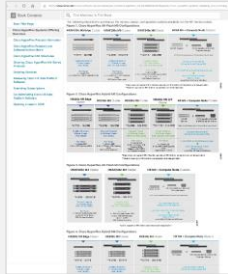
# Get started today

## Research

HyperFlex  
business value  
calculator

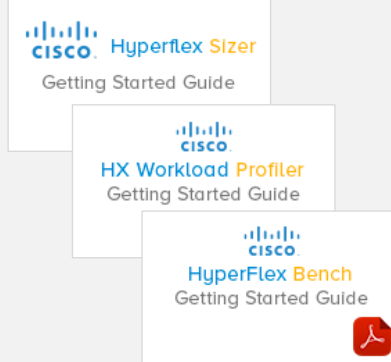


HyperFlex  
systems and  
configurations



## Consult

Your Cisco Account  
Team will size the perfect  
HyperFlex solution



## Test drive

What to expect:

- Increased application performance
- Spend less time managing your Infrastructure
- Lower TCO



# Tour the Network Emergency Response Vehicle (NERV)!

Powered by Cisco HyperFlex

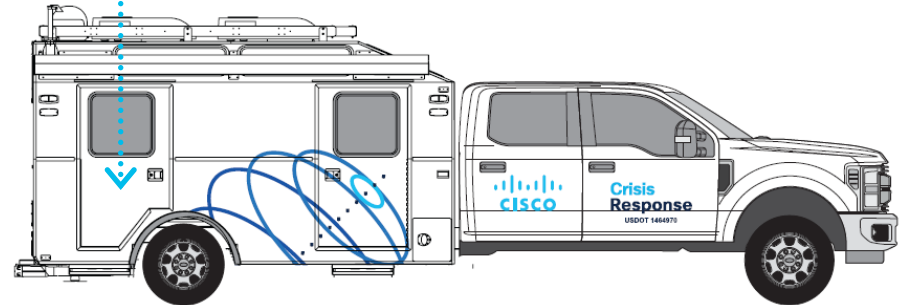
- Providing free and secure emergency communications to first responders after a disaster
- Equipped with a HyperFlex edge cluster for workloads that might include:
  - Drone Image processing
  - Video surveillance
  - Network, collaboration and cybersecurity applications
- Take a tour. Located at back of hall, near Broadcast Studio

“Reestablish and provide secure network and satellite communications for emergency responders in a disaster zone”

Cisco HyperFlex Edge Clusters



For info on Cisco Crisis Response scan the QR code.



# 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

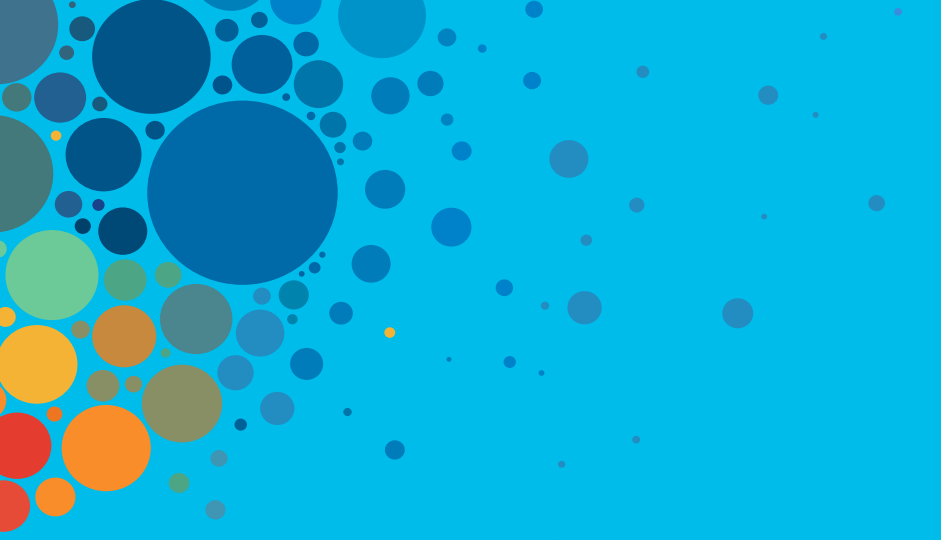
### Cisco Guided Study Groups

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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