

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 is a vibrant, multi-colored abstract design with a rainbow gradient and a sunburst effect on the right side.

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Let's go

#CiscoLive



The bridge to possible

# How to seamlessly automate NX-OS, ACI and Cloud networks through Nexus Dashboard

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BRKDCN-1615

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# Cisco Webex App

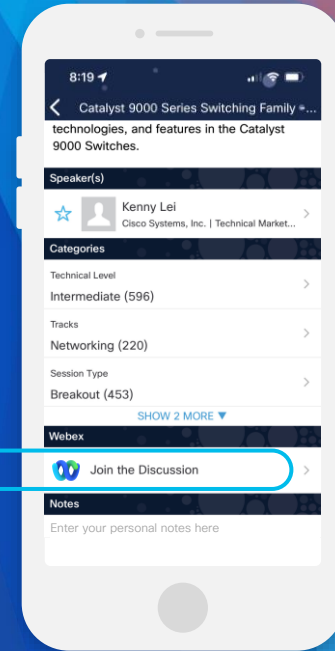
## Questions?

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 9, 2023.



<https://cislive.ciscoevents.com/cislivebot/#BRKXXX-xxxx>

# Agenda

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- Introduction
- Nexus Dashboard Overview
- Use Cases - Our Scenario
  - NX-OS LAN/SAN Deployment Use Case
  - Multi-Site Deployment Use Cases
    - On-prem to On-prem
    - On-prem to Cloud
    - Cloud to Cloud
- Summary

# Introduction



“I trust Cisco to keep my operations running 24x7”

“Connectivity is a service. It must be deployed, managed and monitored consistently anywhere my business needs it”



"I can't troubleshoot what I can't see"

“Given the breadth of its portfolio, the more Cisco integrates their products across different technologies and domains, the more benefits I get as a customer”



## Provision

Configure [secure] connectivity services

Cable/Rack, Initial Configuration  
and network/security changes.

API, CLI or UI driven

—  
time



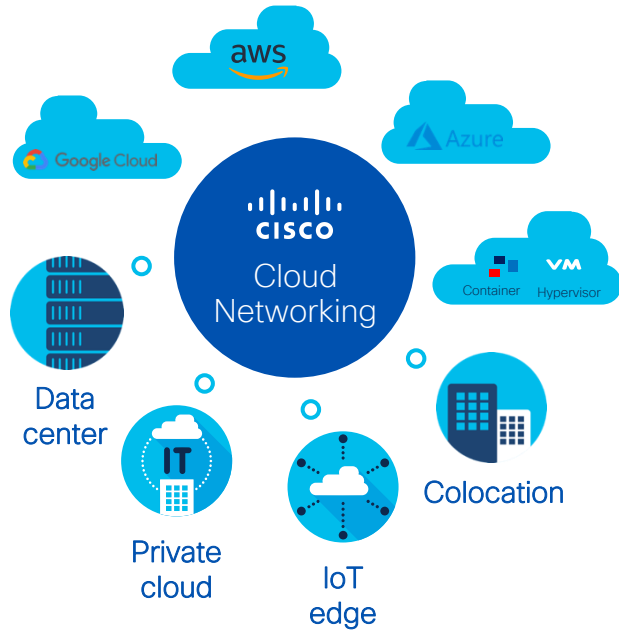
## Operate

Keep the network [business] running

Visualize, Troubleshoot, Correlate, Upgrade,  
MTTI, Fix/Remediate, Best Practices

+  
time

# Hybrid Cloud Networking: Challenges



## Connectivity and Management

Workloads are increasingly distributed and diverse. **Complex to connect** workloads across multiple public clouds, data centers and edge locations.

## Visibility and Automation

**Troubleshooting challenges** due to more decentralized architectures with different environments.

## Zero trust and security

Workload migration and mobility of users imposes **significant challenges to enforce right security policies** across different environments.

Need for **homogenous experience** across **heterogenous cloud environments**



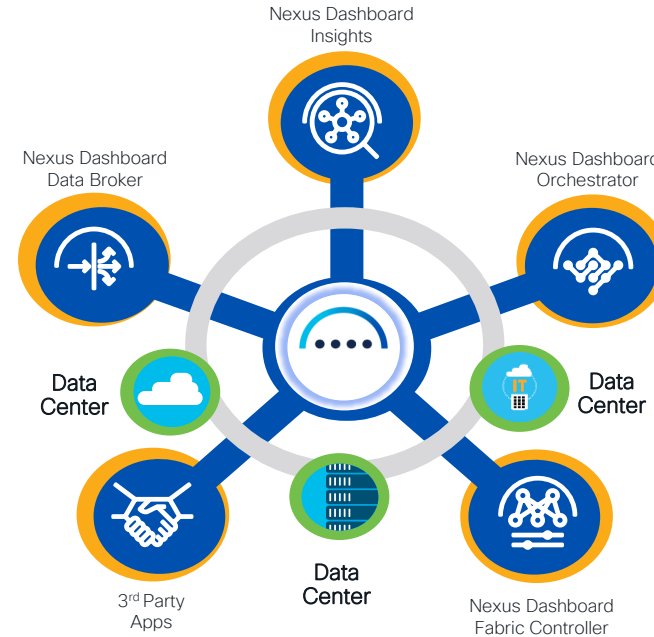
# Nexus Dashboard Overview

# Nexus Dashboard

The common platform for DC operations tools

Pre-Built Appliance  
(Physical or Virtual)


Distributed  
Multi-Fabric Support  
(ACI, NX-OS and Cloud)




# Our Scenario



# Our Scenario



Orchestrator



Nexus Dashboard



NDFC LAN



Nexus Dashboard

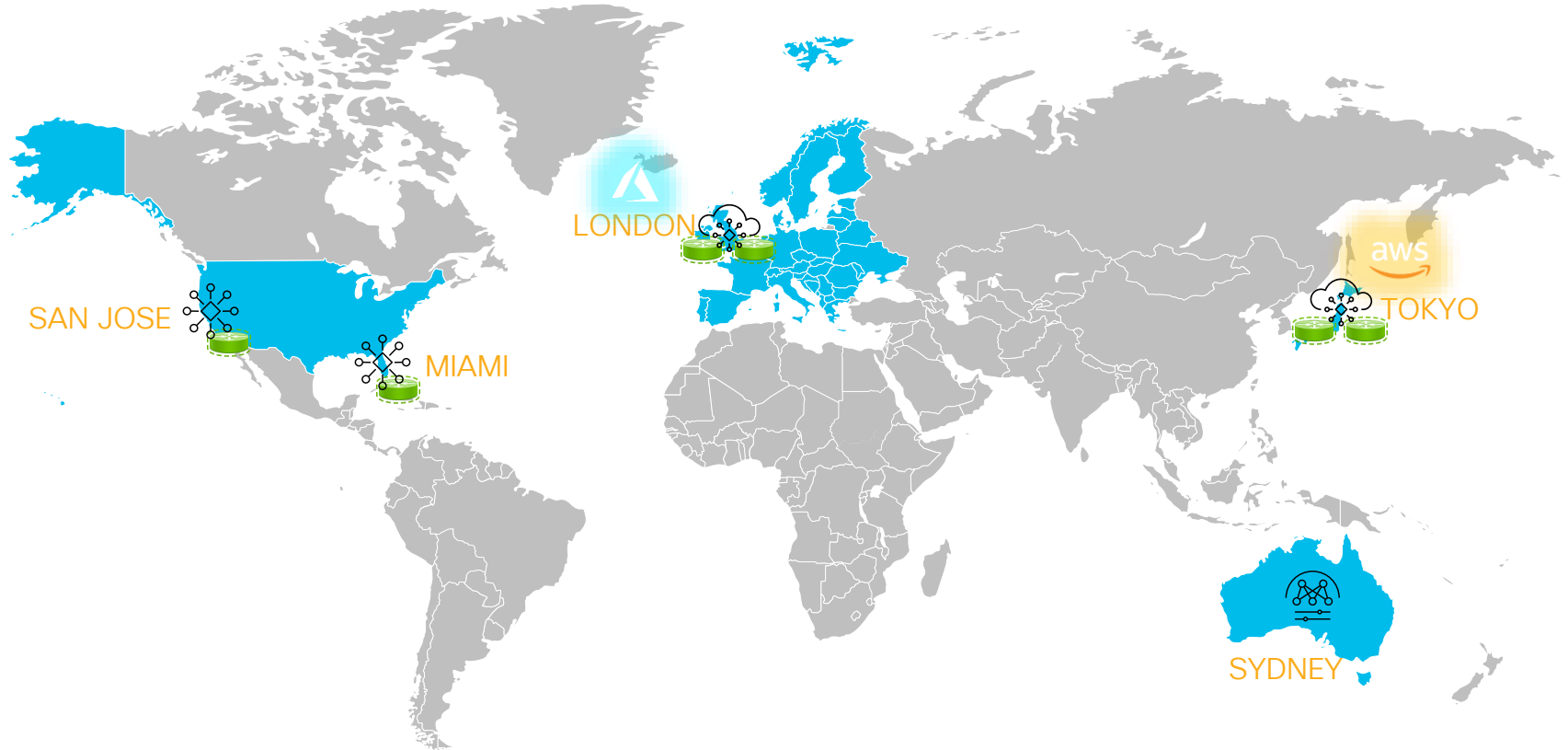


NDFC SAN



Nexus Dashboard

# Our Topology



# Use Case #1: NX-OS Fabric Enablement



# Nexus Dashboard

## Applications



# Our Topology



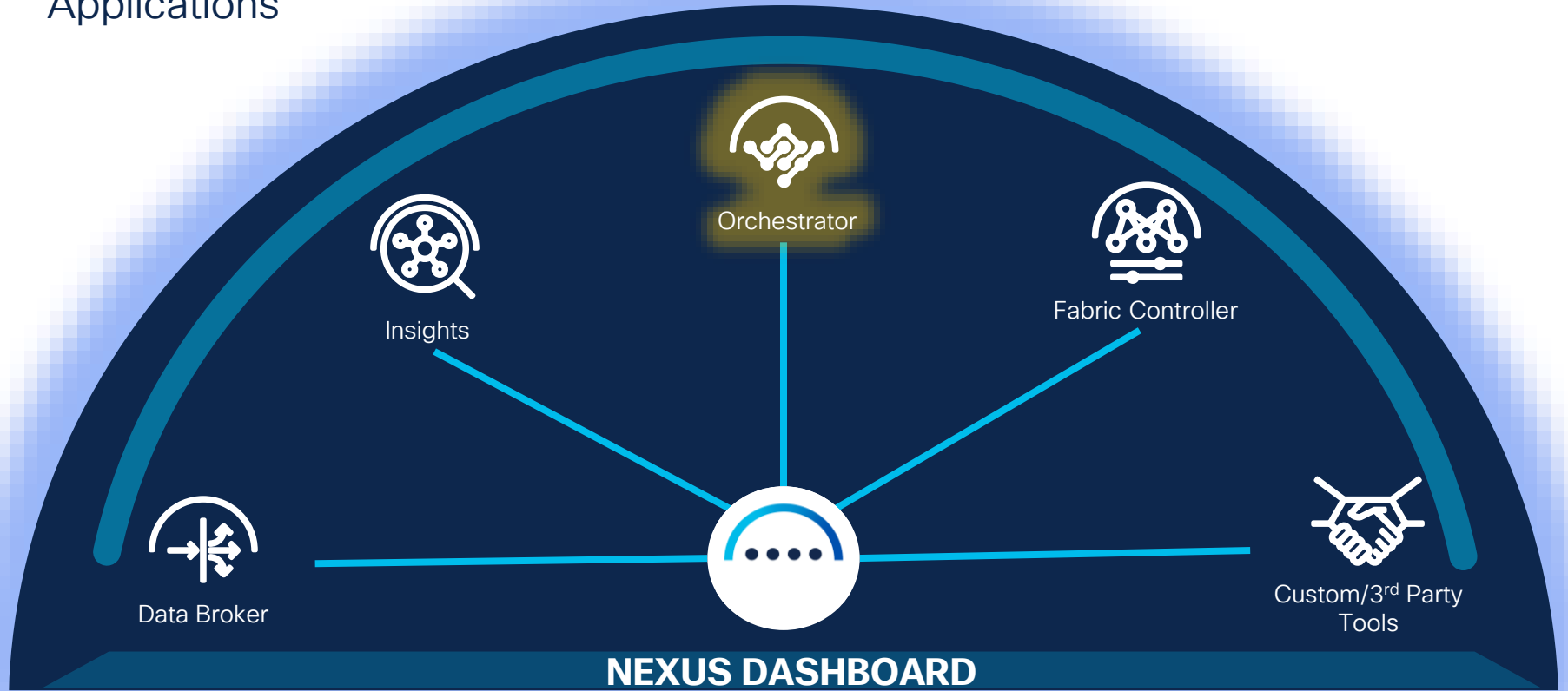




# Use Case #2: On-prem to On-prem Automation

# Nexus Dashboard

## Applications



# Our Topology



# Nexus Dashboard

Version 2.1(1e)



Username

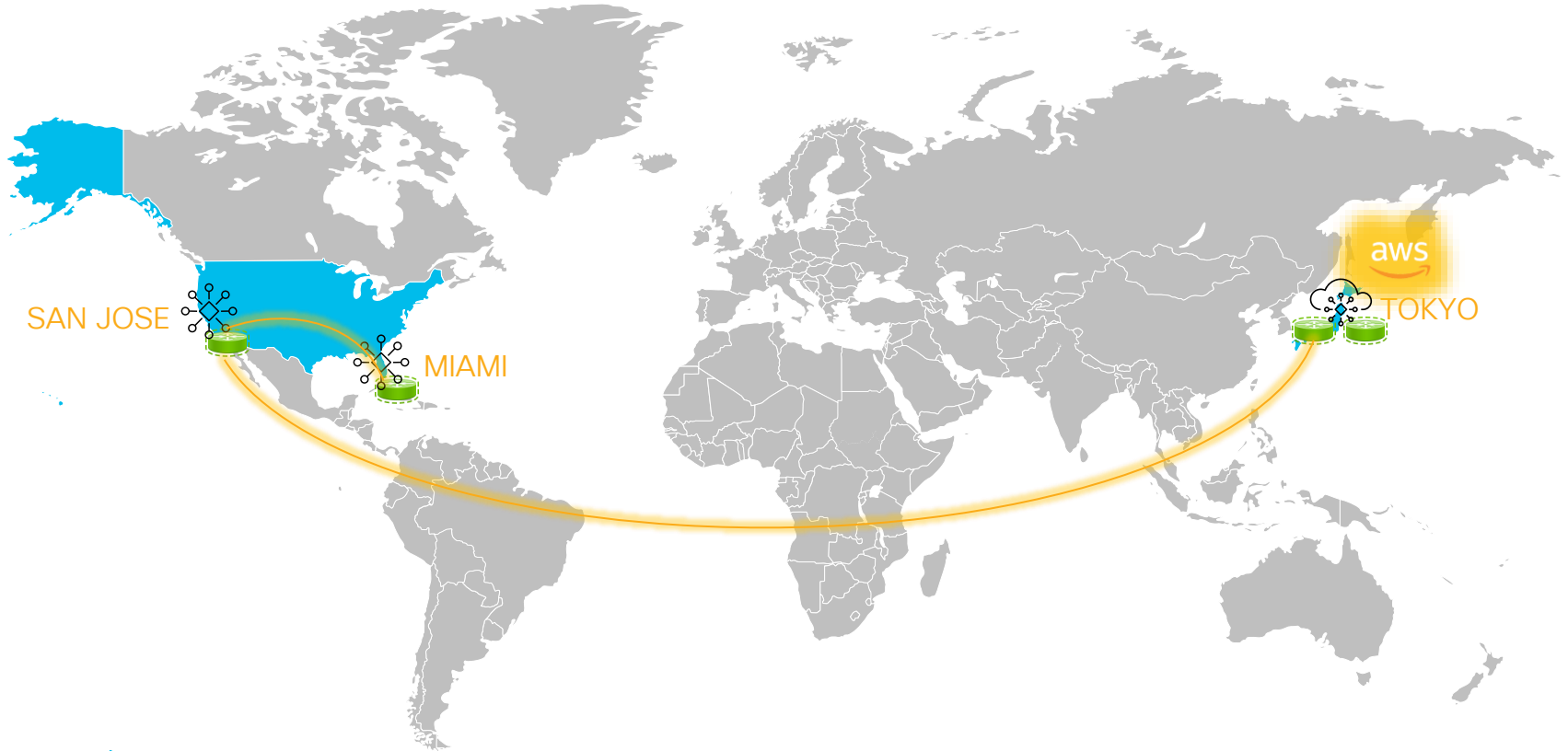
Password

Login

# Use Case #3: On-prem to Cloud Automation



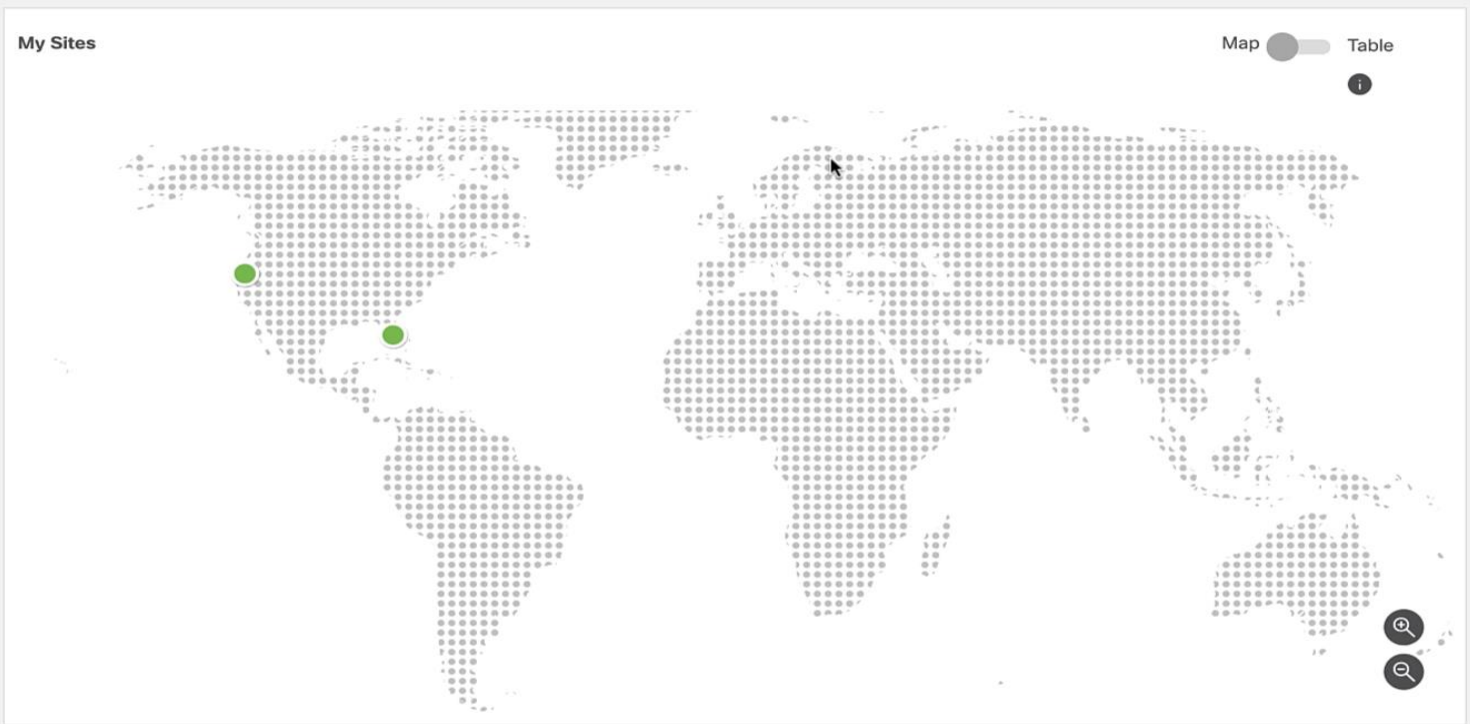
# Our Topology





- One View
- Admin Console
- Services
- Sites

# One View



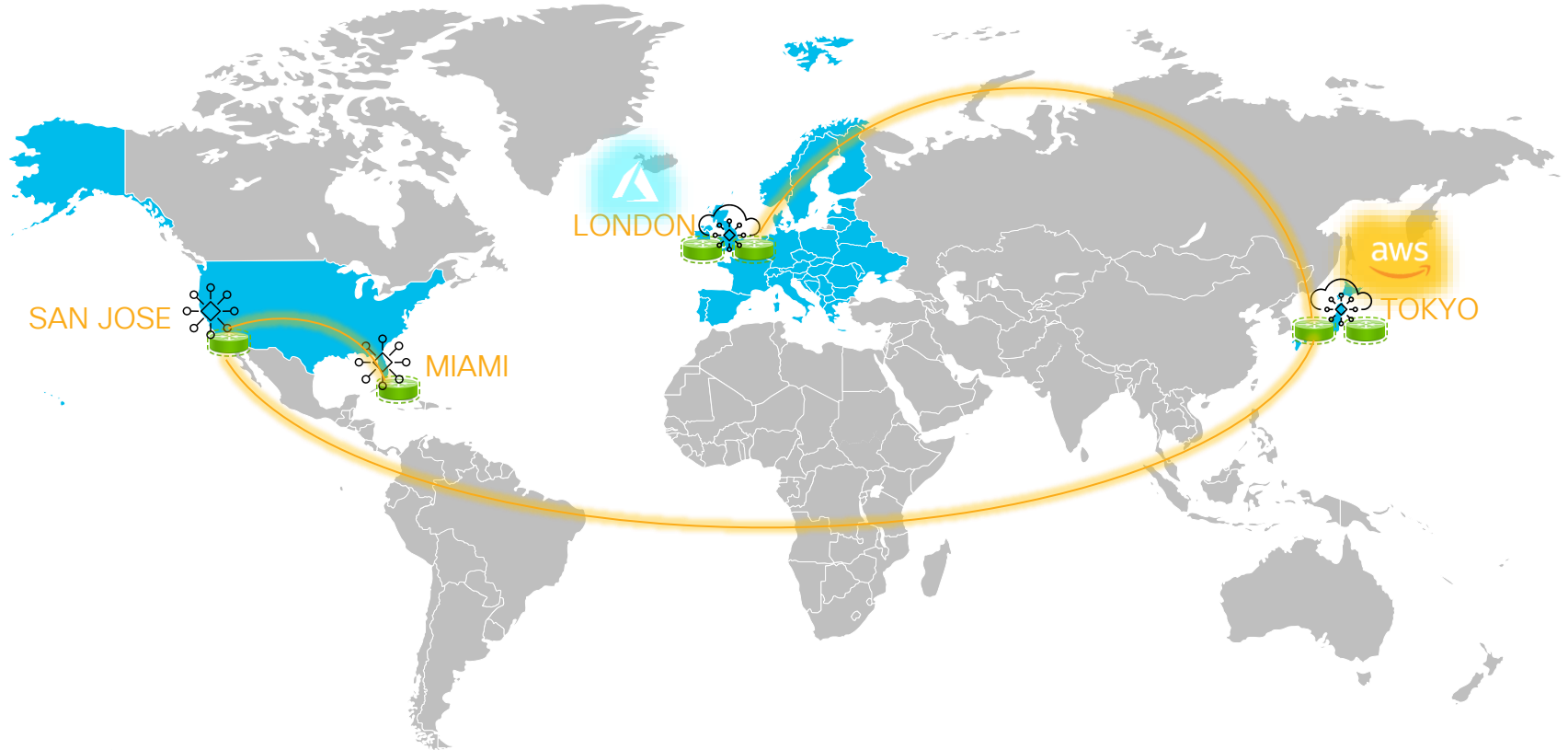
Nexus Snapshot



# Use Case #4: Cloud to Cloud Automation



# Our Topology



- ☰
- 📺 One View
- ⚙️ Admin Console
- 📁 Services ▾
- 🌐 Sites 

# One View

**My Sites**

Map  Table 

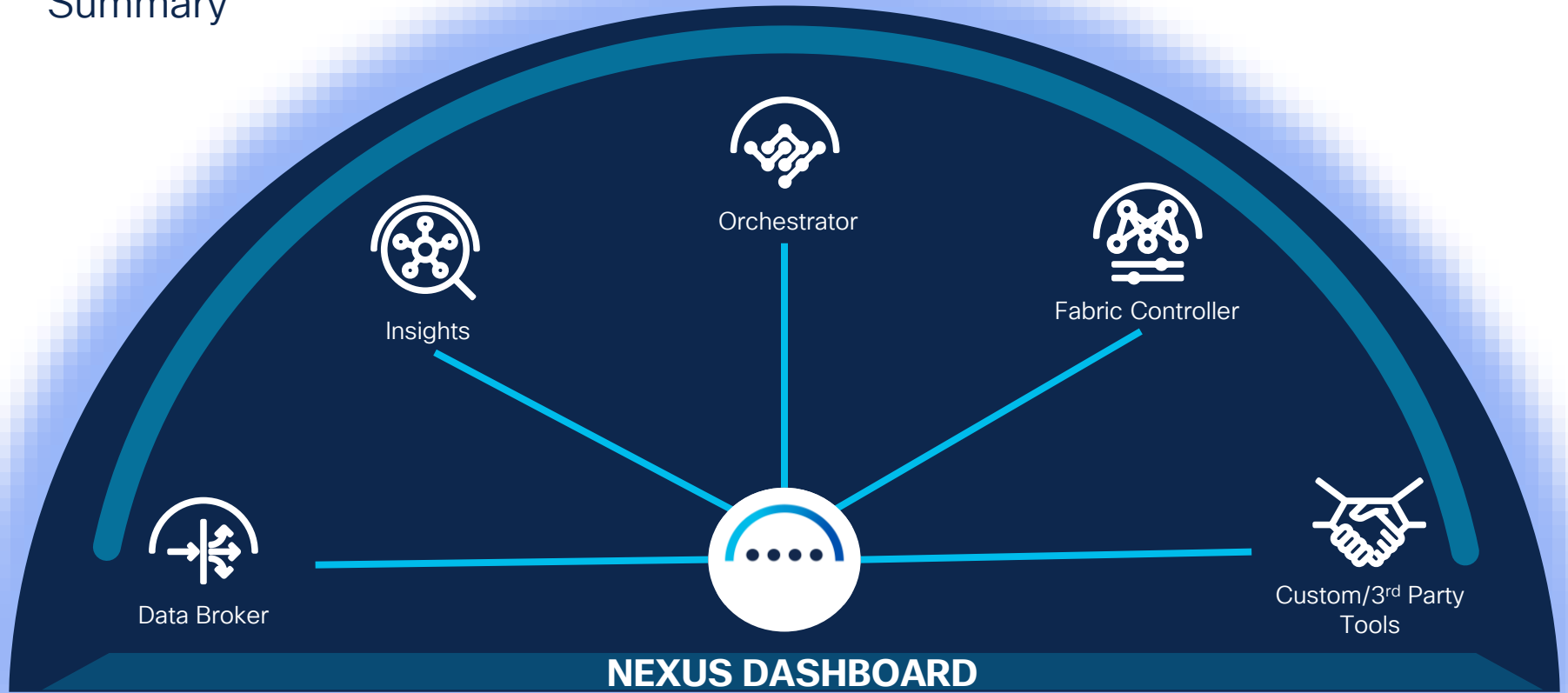


# Summary

# Nexus Dashboard

## Summary



# 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 Game** 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](http://www.CiscoLive.com/on-demand)

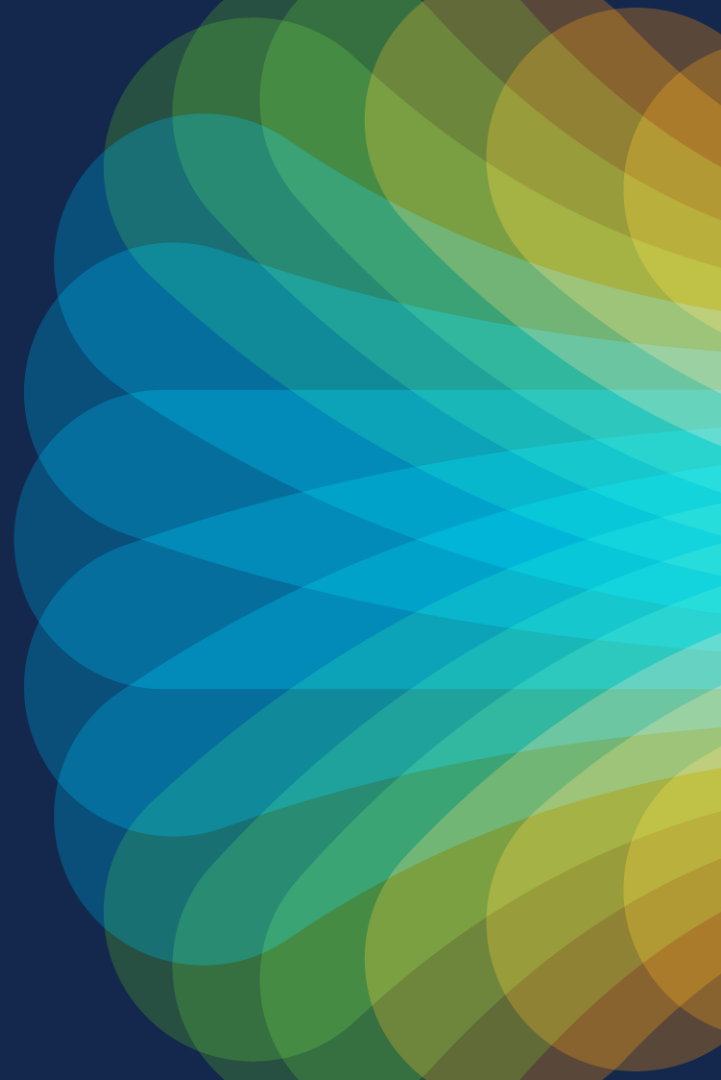


The bridge to possible

# Thank you

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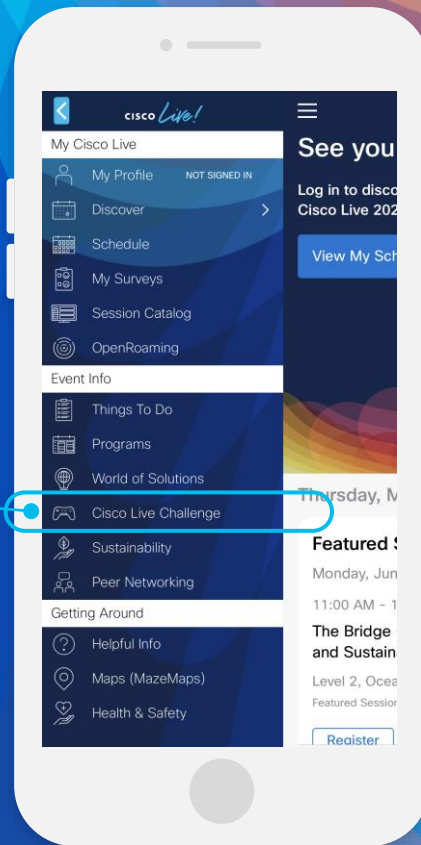
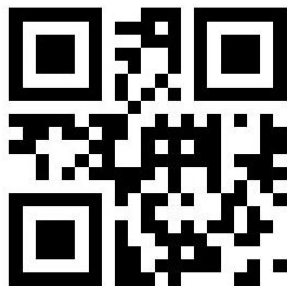


# Cisco Live Challenge

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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