

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

Learn how Meraki and ThousandEyes are solving your Application performance issues with Simplicity

Making it fast, easy and scalable

Nikitha Shashidhar – Product Manager, Cisco Meraki

Alex Taipale – Engineering Manager, Cisco Meraki

BRKMER-2007

CISCO *Live!*

#CiscoLive



Cisco Webex App

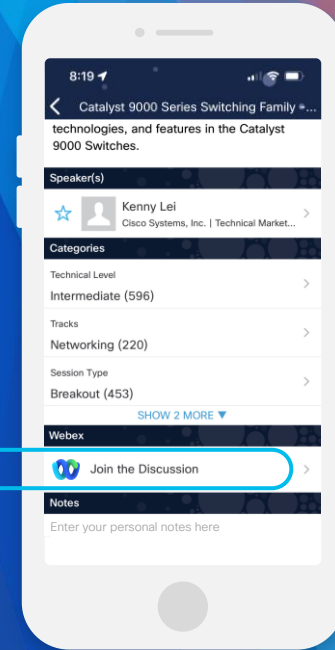
Questions?

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 9, 2023.



<https://cislive.ciscoevents.com/cislivebot/#BRKMER-2007>

Engage with us. Become a **Cisco Meraki Insider**.



Join
the community



Complete
challenges



Receive
rewards

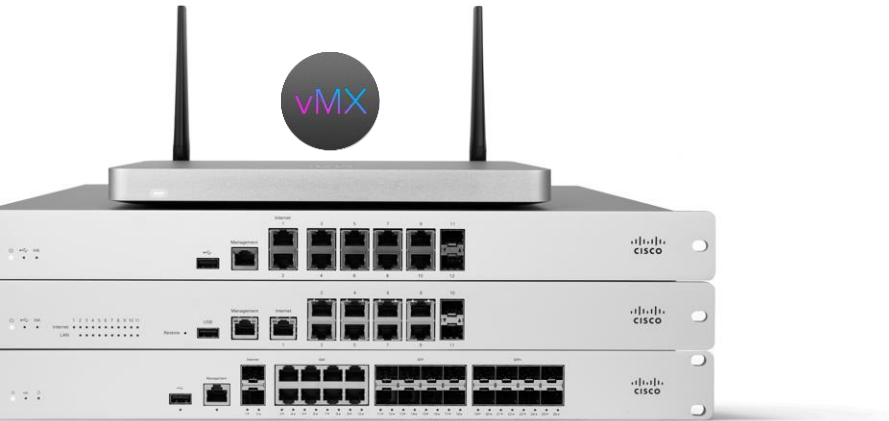
Agenda

- Introduction to Meraki
- Challenges and Implications
- Why ThousandEyes and Meraki?
- How we made ThousandEyes Meraki Simple
- Demo
- Q&A

*"Simplifying Powerful technology
to free passionate people
to focus on their mission."*

Delivered by Meraki building blocks

MX security and SD-WAN appliances



Highlights across models



Up to x3 WAN ports



3G / 4G / LTE USB as
single-WAN or failover



Models with embedded LTE
modem



High availability mode and
automatic WAN failover



Additional Ethernet ports
with PoE/PoE+ options



Virtual appliances for
hybrid cloud

Challenges for IT Admins



Distributed
users & resources



High OpEx of
complex environments



Slow adoption of
MPLS alternatives

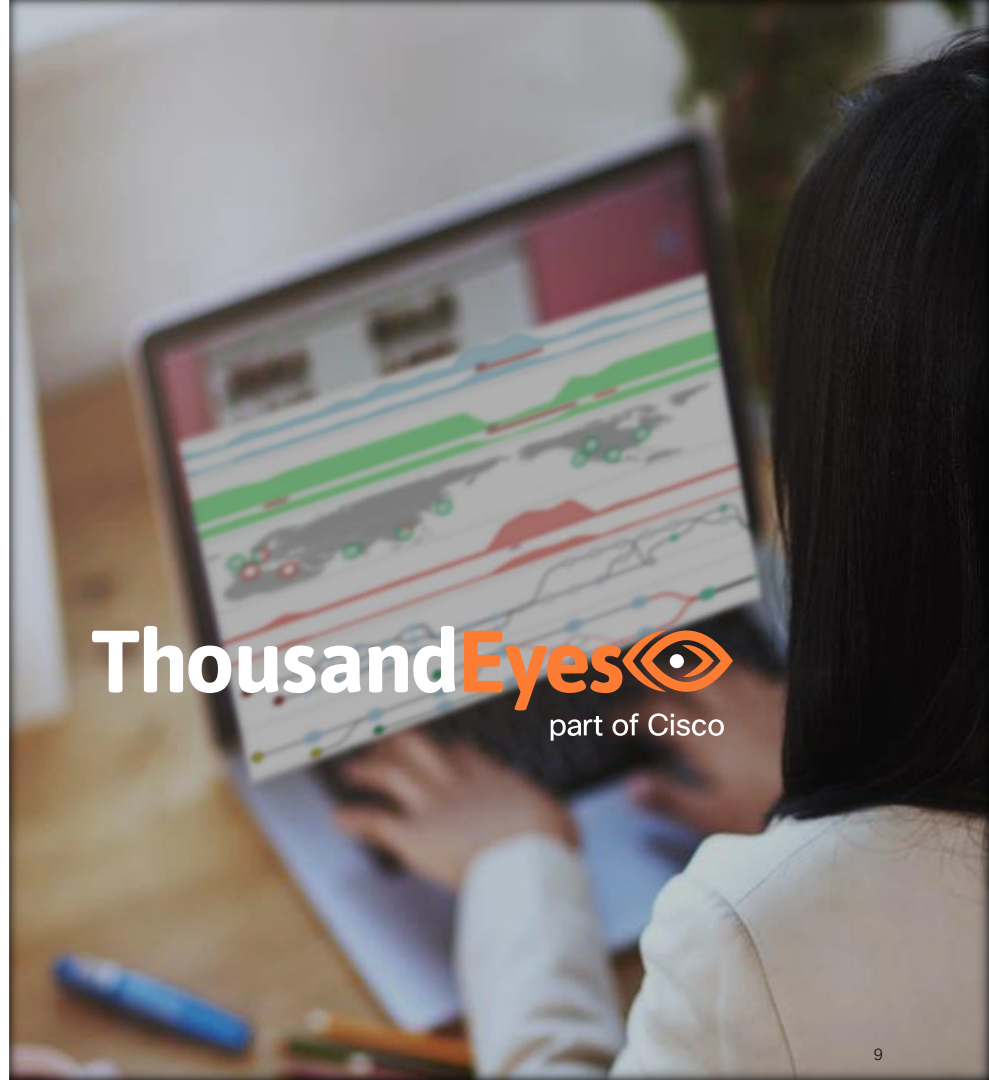


Troubleshooting
digital experience

See, understand,
and improve
digital experiences
everywhere

ThousandEyes 
part of Cisco

CISCO *Live!*



 **Meraki**



ThousandEyes 
part of Cisco

Better Together <-> Unified Experience

Fast Scalable Continuous SaaS App Monitoring

Benefits of ThousandEyes with Meraki

Instantly activate at Scale

Reduce operation workstreams with Meraki Dashboard

Continuously monitor

Provide visibility to SaaS apps at **regular intervals** to give IT admins more validity of the issue in addition to real time user traffic with app health

Reduce Adverse Impact

Proactive monitoring to **reduce impact** and helps communicate up and across.

All on **Meraki** cloud platform

Present Day Deployment



Cloud & Enterprise Agents ▾

Views

Test Settings

Agent Settings

BGP Monitors

Devices >

Internet Insights

Dashboards

Alerts >

Integrations

Sharing >

Account Settings >

Enterprise Agents

Cloud Agents

Agent Labels

Proxy Settings

Agents

Clusters

Notifications

Kerberos Settings



389 agents will stop collecting data in 31 days on June 30th, 2023 if the operating system is not upgraded.

[More about end of life](#)

View In Table



Operating system upgrades available for 29 agents.


View In Table

Assigned to Account Group **CLUS23 Or...** [Add a filter](#) ▾

3 Enterprise Agents

[Add New Enterprise Agent](#)

<input type="checkbox"/>	Agent Name		Hostname		Utilization	Status/Last Contact	
<input type="checkbox"/>	SFO12 - Regional HQ		mCC9C3E4FDE57-1000000000	General	1%	Just now	...
<input type="checkbox"/>	Remote Branch - Regional		mA8469D681686-1000000000	General	1%	1 minute ago	...
<input type="checkbox"/>	Remote Branch - Regional-1034701				N/A	N/A	...



Number of hours spent on
Deploying, Scaling and Managing an IT infrastructure
is **10 hours a week!**

Source: Forrester Report

Before:

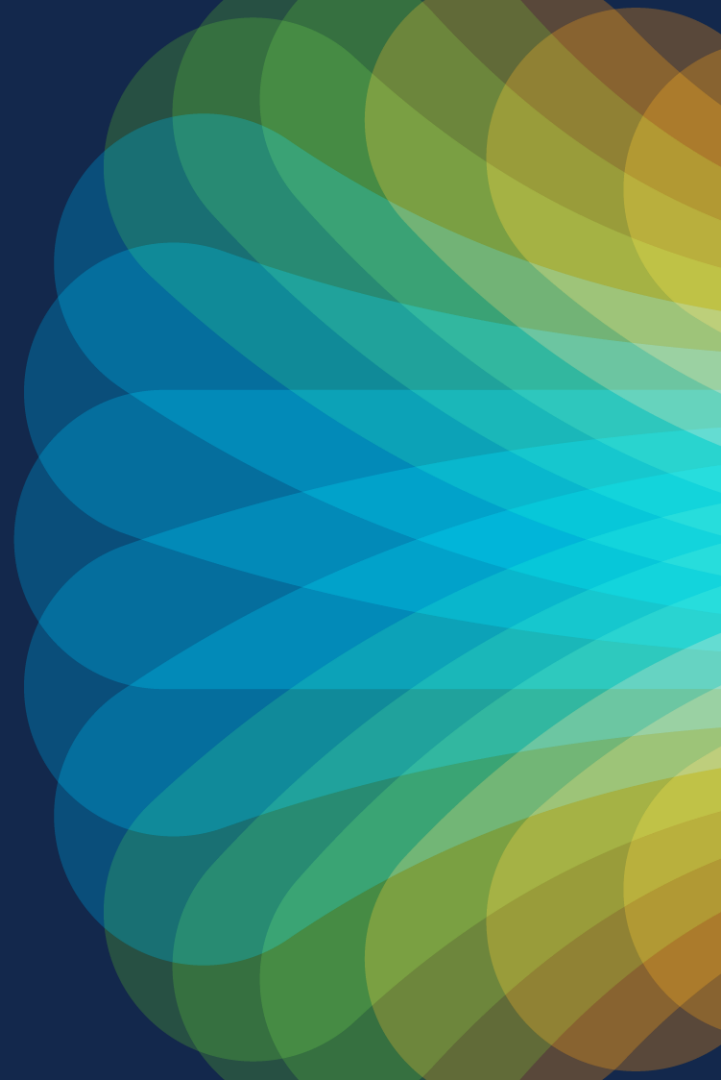
ThousandEyes
Deployment
Complexities

Machine management at Scale

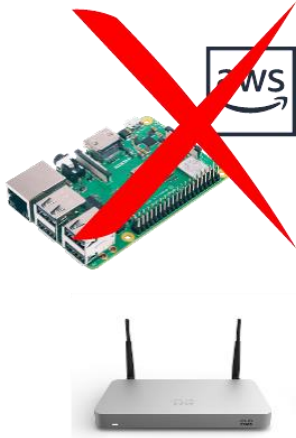
Configuration and Account management

Test selection and alert creation

Machine Management at Scale



Machine management of Agents on the MX



- Easy machine management
- Secure
- Easy monitoring
- Already at your network's edge



The bridge to possible

Journey to Hosting Containers on Meraki with ThousandEyes

Tyler Duzan, Sr. Product Manager – ThousandEyes

Taylor Byrnes, Software Engineering Technical Leader – Meraki

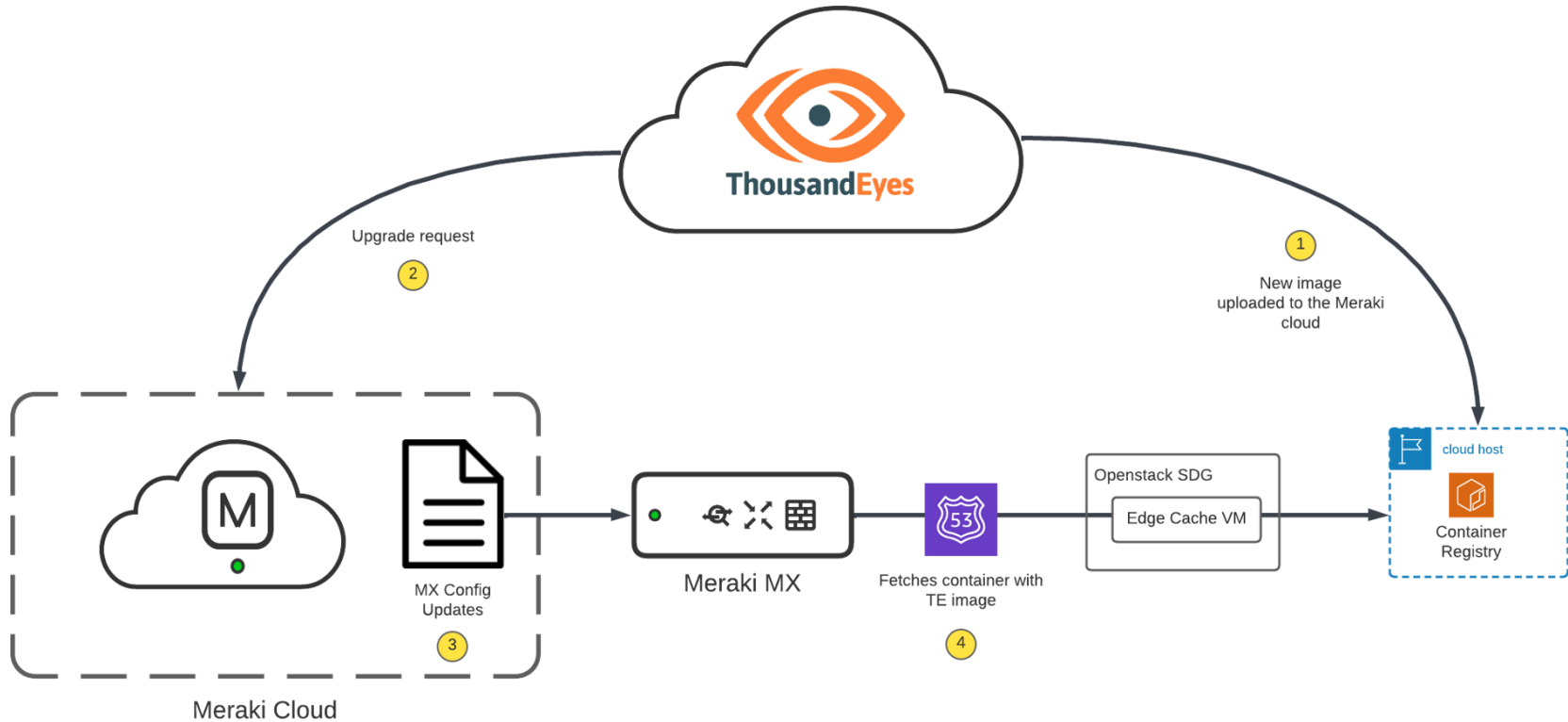
BRKMER-2727

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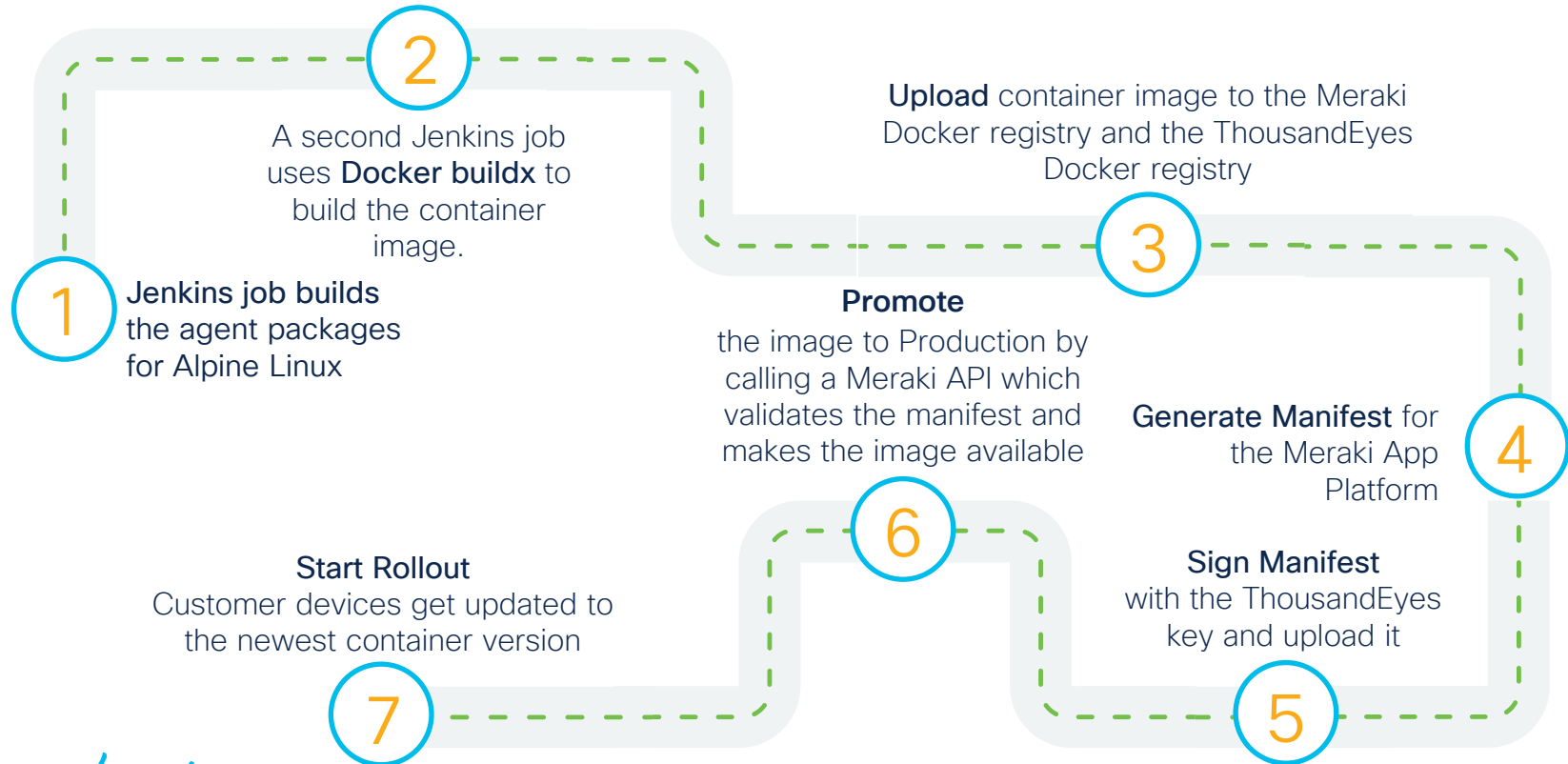
#CiscoLive



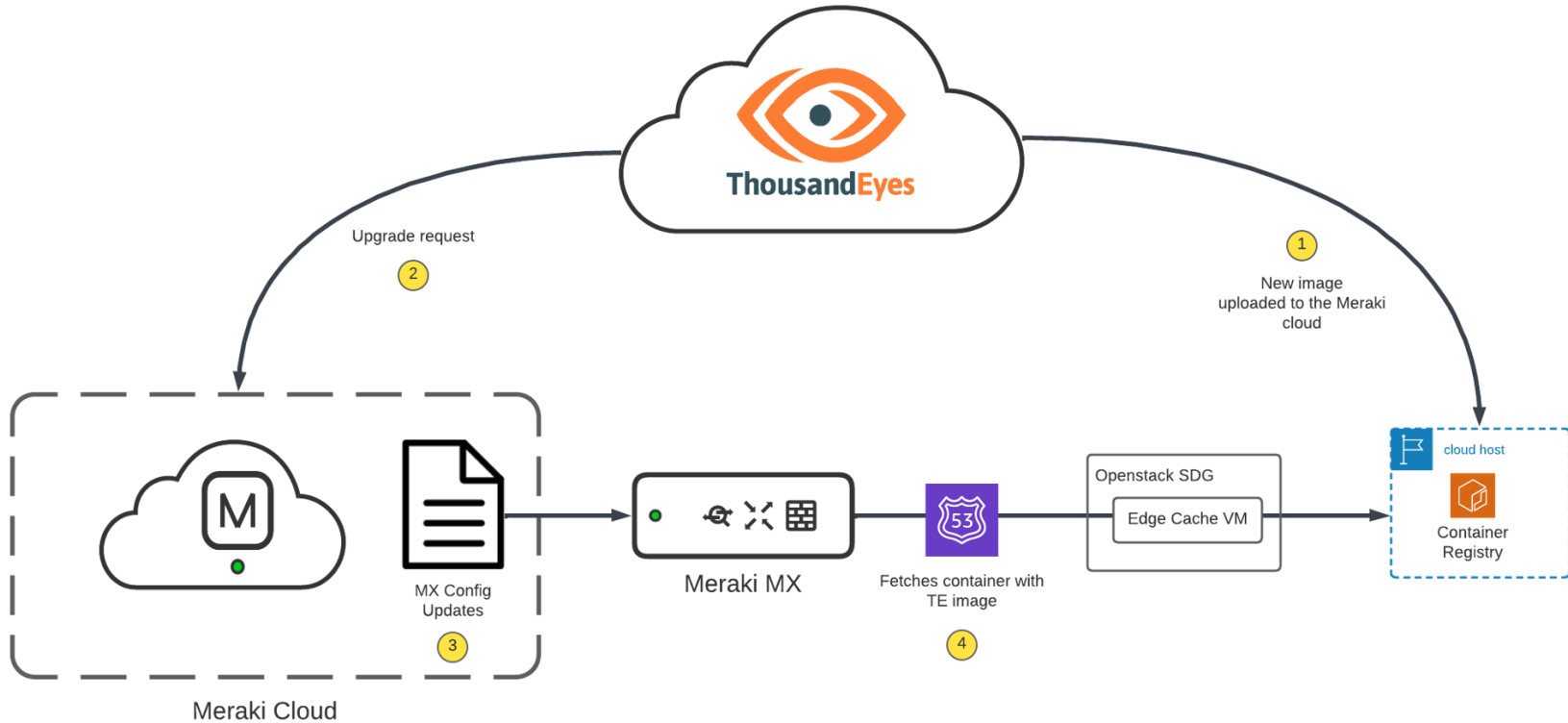
MX Container Storage and Delivery



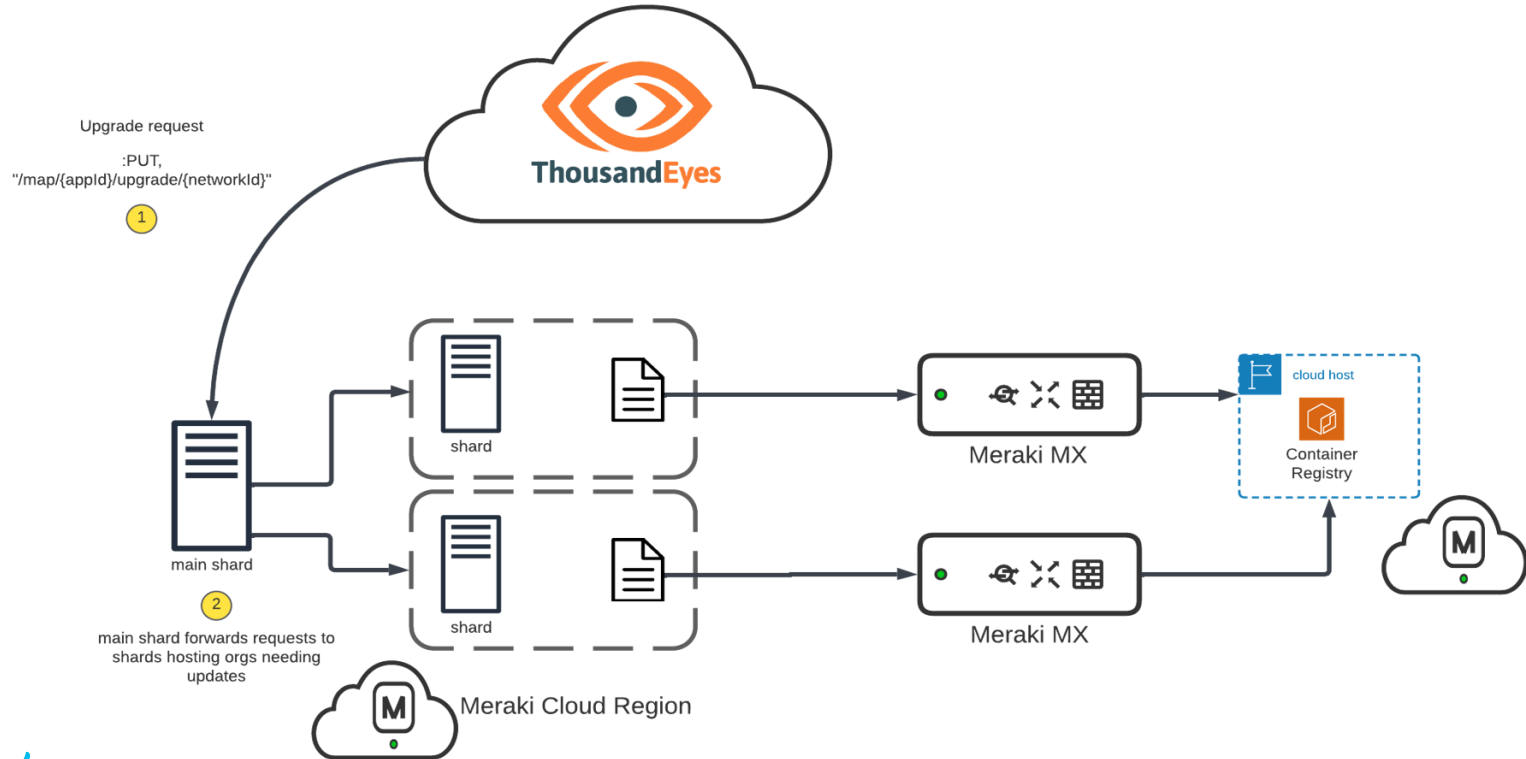
The ThousandEyes Build Process for Meraki



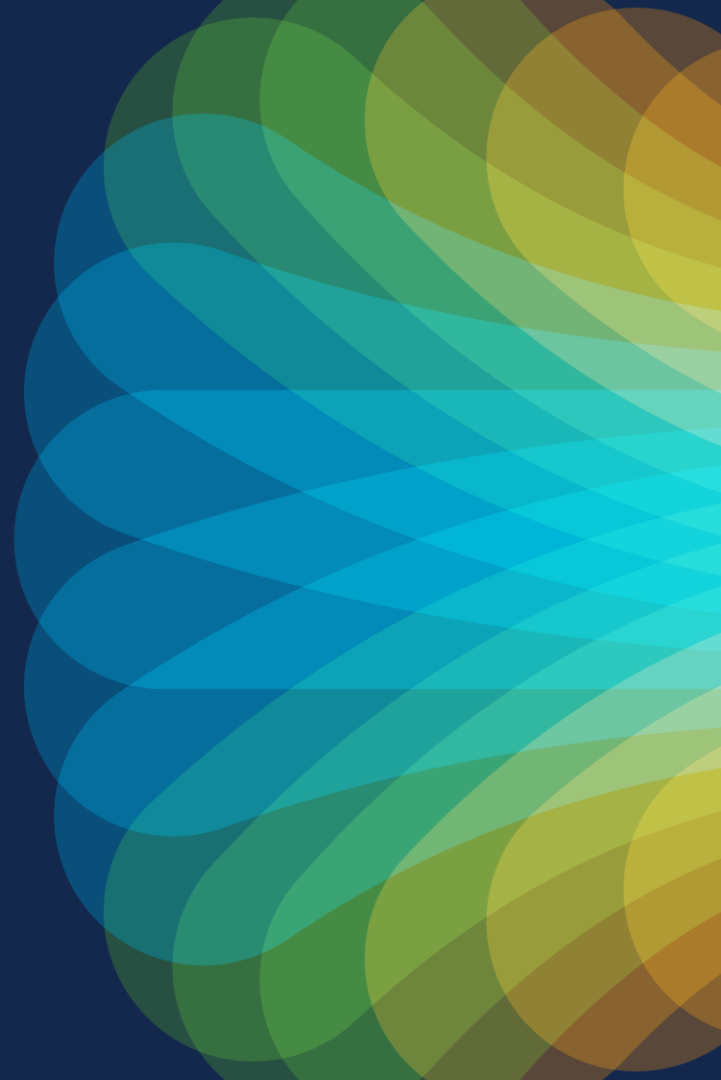
MX Container Storage and Delivery



MX Container Management - Dev API



Account Management



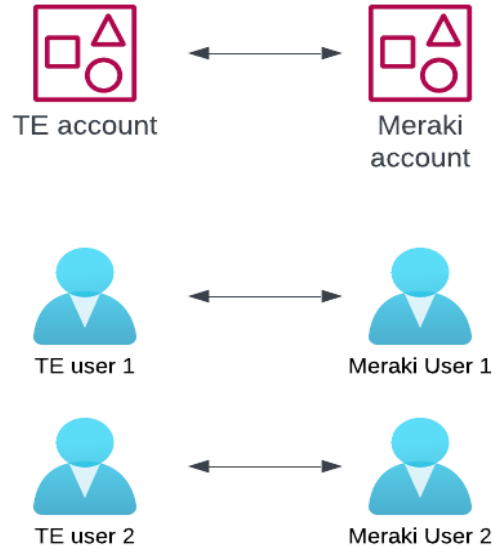
Monitoring via UI

1 configuration account

The screenshot displays the Meraki Active Application Monitoring interface. The top navigation bar includes the Meraki logo, a search bar, and user profile icons. The main content area is titled "Active Application Monitoring" and includes a "Powered by ThousandEyes" badge. A left-hand navigation menu lists various system components like Global Overview, Organization, Network, Network-wide, Security & SD-WAN, Insight, and Organization. The "Monitored Networks" section is active, showing a search bar with "2 matching results" and a table of monitored networks. The table has columns for Monitored Networks, Location, Last contact, Enable, and Remove. Two entries are listed: "SFO12 - Regional HQ - appliance" in the United States and "Remote Branch - Regional - appliance" in California, both with a last contact of "Jun 1, 08:31" and an enabled status. A footer section provides login details and a "Give your feedback" button.

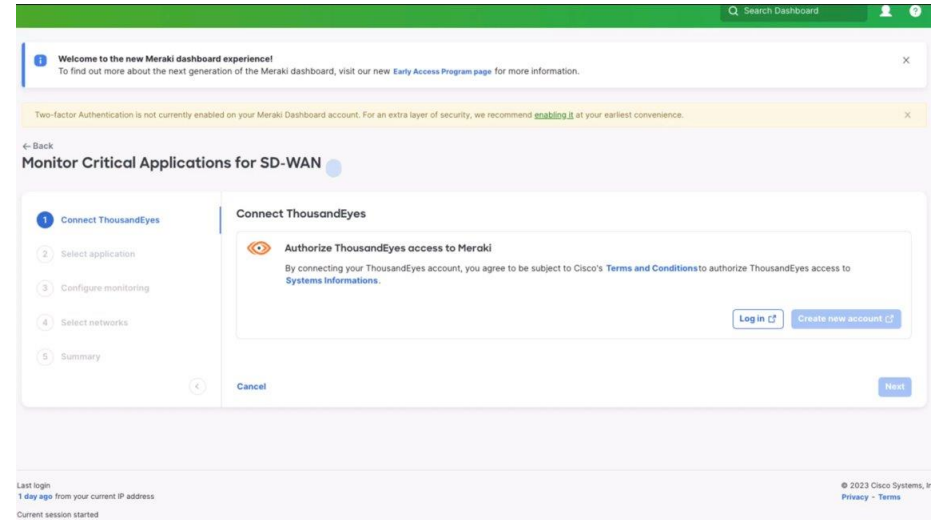
Monitored Networks	Location	Last contact	Enable	Remove
SFO12 - Regional HQ - appliance	United States	Jun 1, 08:31	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remote Branch - Regional - appliance	California	Jun 1, 08:31	<input checked="" type="checkbox"/>	<input type="checkbox"/>

How did we simplify it? Account Management

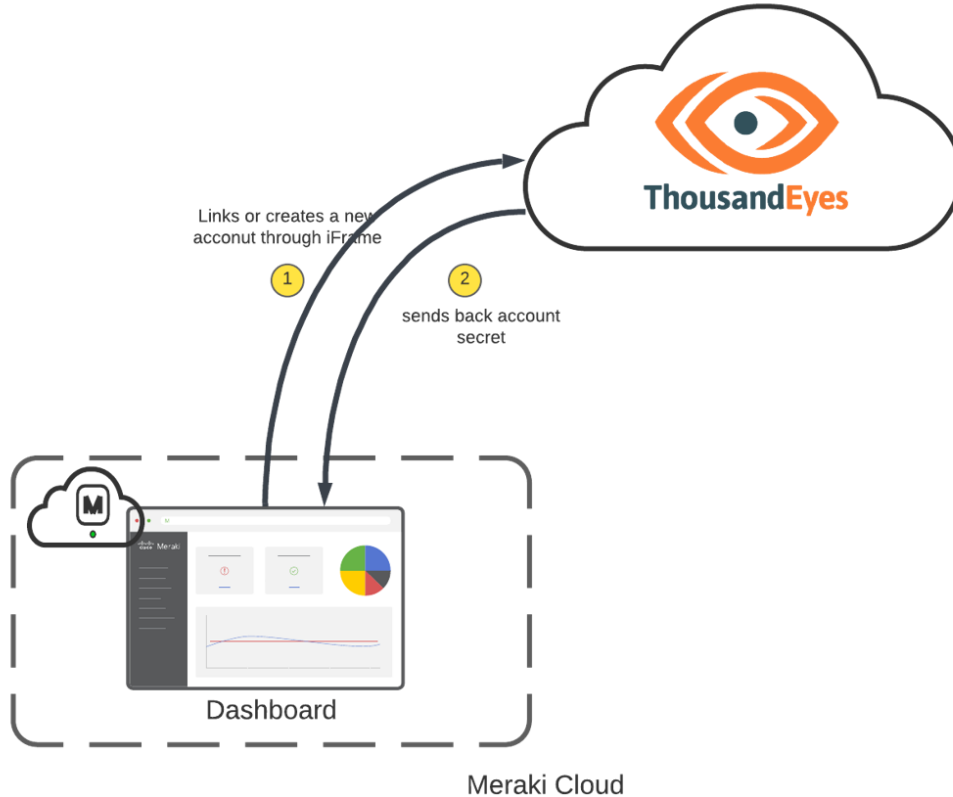


Linking Accounts

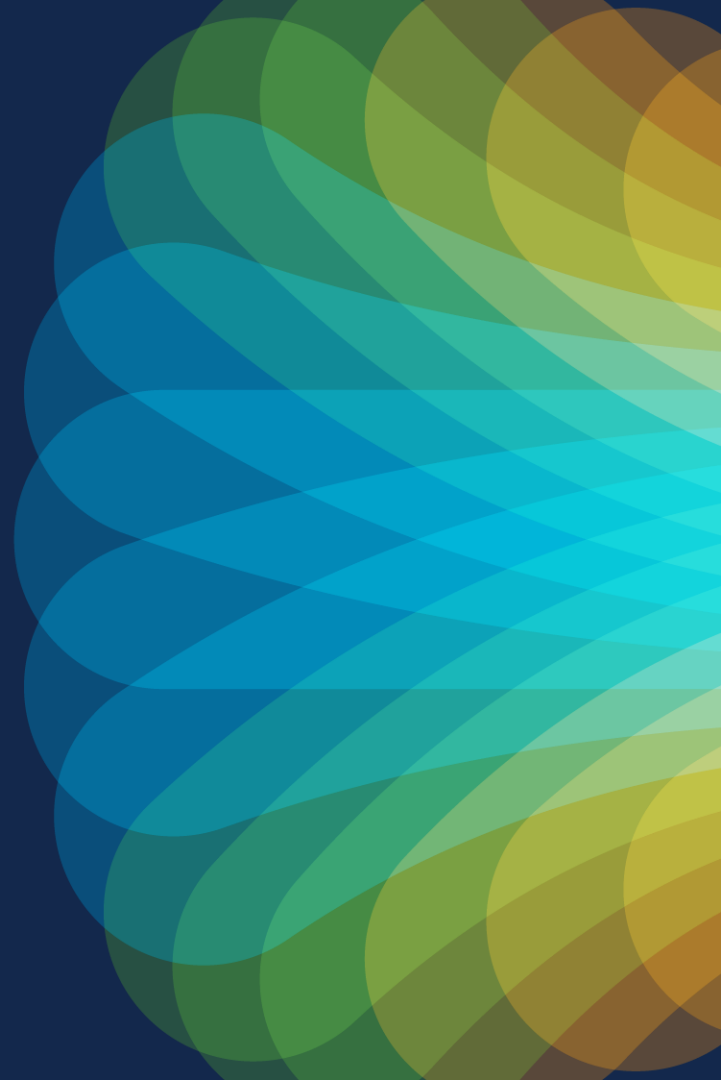
- Allow customers to link/create ThousandEyes account with Meraki on Org Level
- Support for both Existing and Net New ThousandEyes customers
- Simple 2 click input of Customer Name, Email and Password creation on Meraki dashboard



How did we simplify it? Account linking



Configuration at Scale



Activate Agents: at Scale

- Compatible Networks will be auto populated aka MX67+
- Select networks of interest using Network tags
- Bulk selection is also available

Network
Nook-HQ-SF

← Internet monitoring

Add ThousandEyes to Meraki Insight

Start monitoring application with ThousandEyes agent testing. [Learn more about ThousandEyes](#)

1 Select application
Office 365

2 Select networks

3 Review selection

Select networks

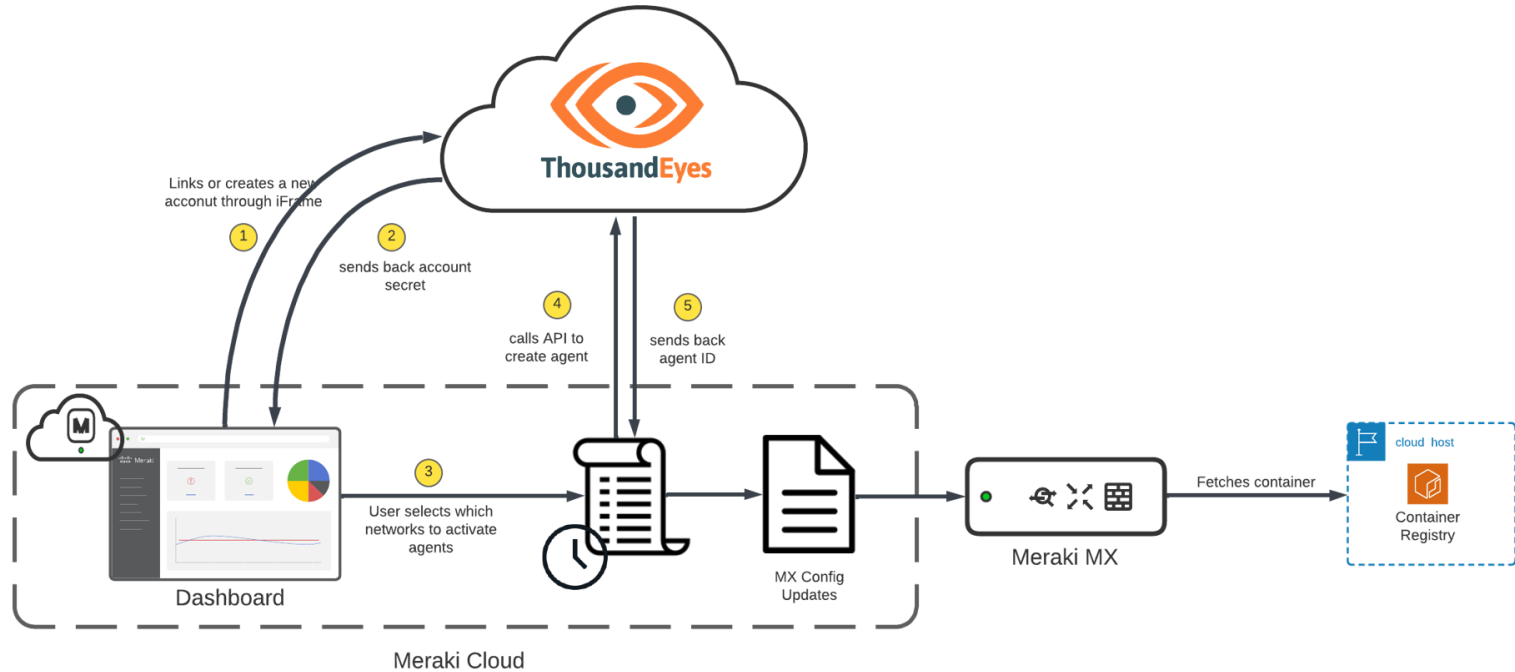
Select your existing networks to monitor. The more networks, the better the results.

Search by network name Network tags 138 networks

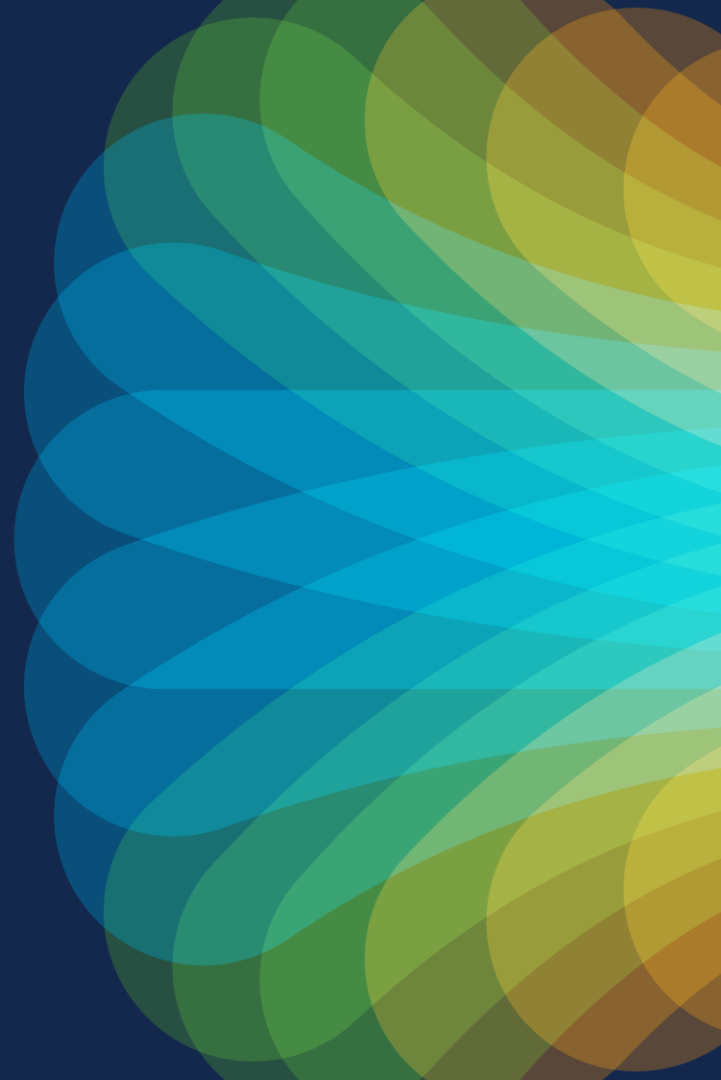
Network	Network tags
<input checked="" type="checkbox"/> Meraki Chicago - Post Office CHG12	Office Chicago Branch
<input checked="" type="checkbox"/> Meraki Chicago - Data Center	Office Chicago Branch
<input checked="" type="checkbox"/> Meraki London - Post Office LON12	Office London Branch
<input checked="" type="checkbox"/> Meraki London - Bishopgate LON16	Office London Branch
<input checked="" type="checkbox"/> Meraki London - Finsbury LON11	Office London Branch
<input checked="" type="checkbox"/> Network name generic	Office California San Francisco
<input checked="" type="checkbox"/> Network name generic	Office California San Francisco
<input checked="" type="checkbox"/> Network name generic	Office California San Francisco
<input checked="" type="checkbox"/> Network name generic	Office California San Francisco

Cancel All changes saved Back Next

Agent Activation



Test Creation and Alerts



Test creation and alerts

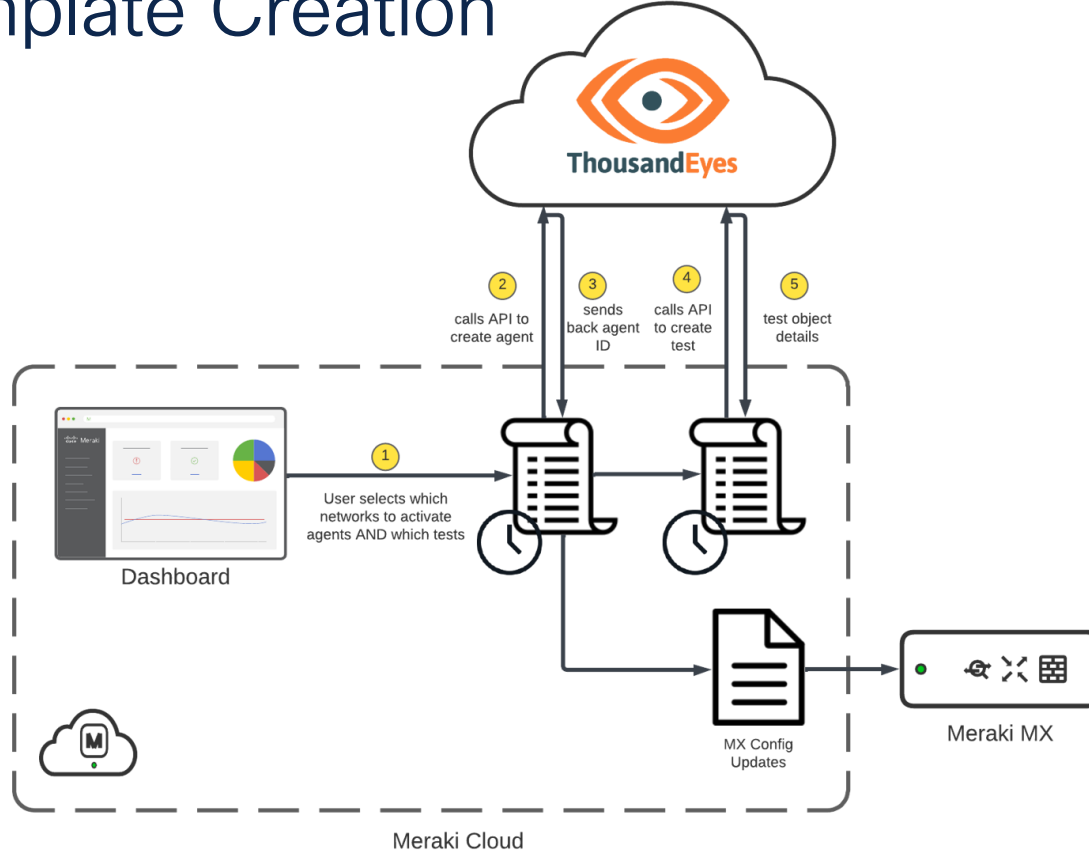
- Simple to monitor the applications you care about
- Simple to create an alert for the app
- User-defined 'sub-domain' field
- Tests visible on ThousandEyes dashboard

The screenshot shows the Cisco ThousandEyes web interface for monitoring applications. The main heading is "Monitor Critical Applications for SD-WAN" with a "Beta" badge. A left sidebar contains navigation options: "Global Overview", "Organization" (selected), "Network", "Network-wide", "Security & SD-WAN", and "Insight". The "Organization" section is expanded to show "Organization CLUS-23 Organization - Regional". The main content area is titled "Select application" and includes a sub-heading "Choose an application to monitor with enhanced application monitoring." Below this, there are several application cards: "Office 365 Suite", "Office 365 Sharepoint", "Cisco WebEx", "Zoom", "Box", "Salesforce", and "Amazon Web Services". A "+ Add a custom application" button is also present. At the bottom of the main content area, there are "Cancel", "Back", and "Next" buttons. The footer contains login information: "Last login 7 days ago from 50.216.158.89 Boston, MA", "Current session started 2 minutes ago", and "Data for CLUS-23 Organization - Regional (organization ID: 1404217) is hosted in United States". There is also a "Give your feedback" button in the bottom right corner.

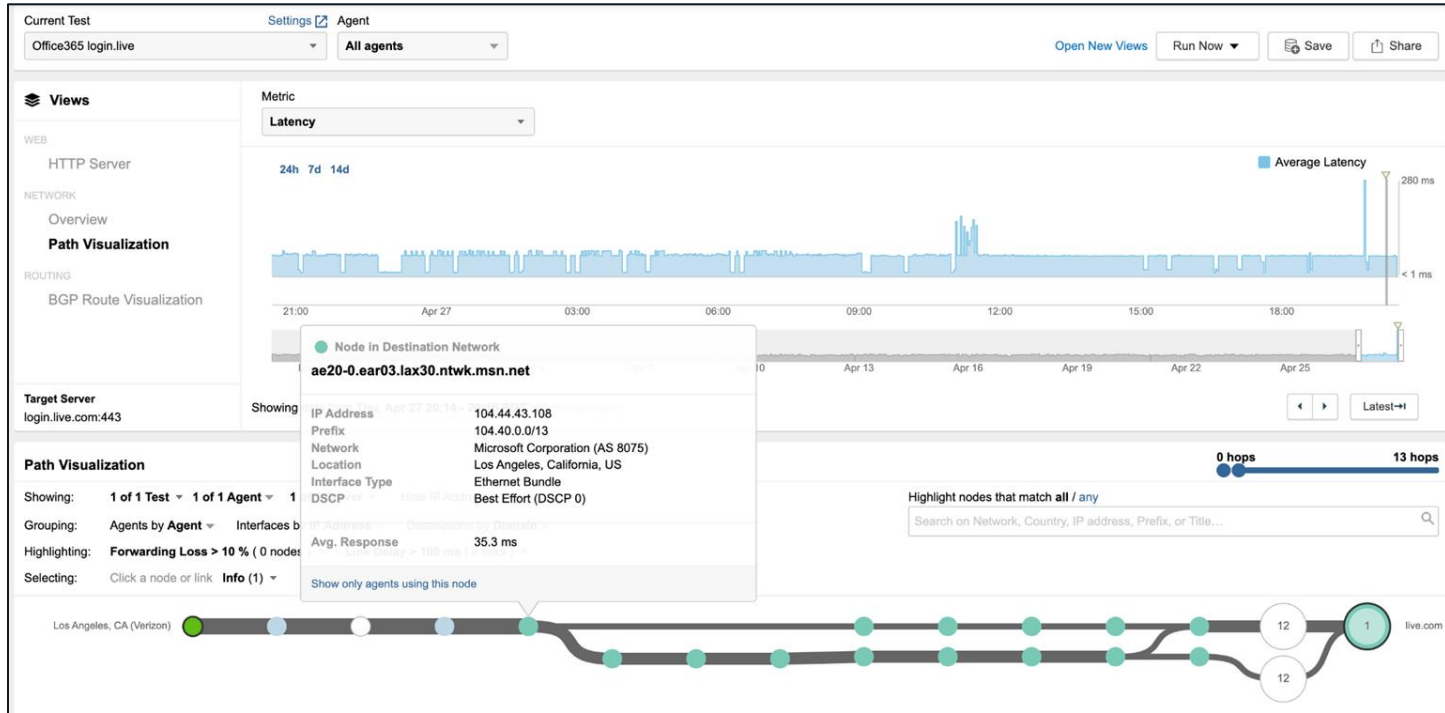
Passive + Active Monitoring

The image displays two Cisco ThousandEyes monitoring dashboards. The left dashboard, titled "Web App Health", shows health status for three applications: Office 365, ESPN, and CNN. Each application has a "NO AFFECTED NETWORKS" status and three green checkmarks for LAN, WAN, and SERVER. The right dashboard, titled "Cloud & Enterprise Agents", shows a "Current Test" for "Office365 - HTTP Server" with a metric of "Availability". A bar chart shows 100% availability from 18:00 on June 2 to 03:00 on June 3. Below the chart, a "Map" shows 1 of 1 agents and a "Status by Phase" section with green bars for DNS, Connect, SSL, Send, Receive, and HTTP.

Test Template Creation



SaaS Application Visibility



Before:

ThousandEyes
Deployment
Complexities

Machine management at Scale

Configuration and
account management

Test selection
and alert creation

After:

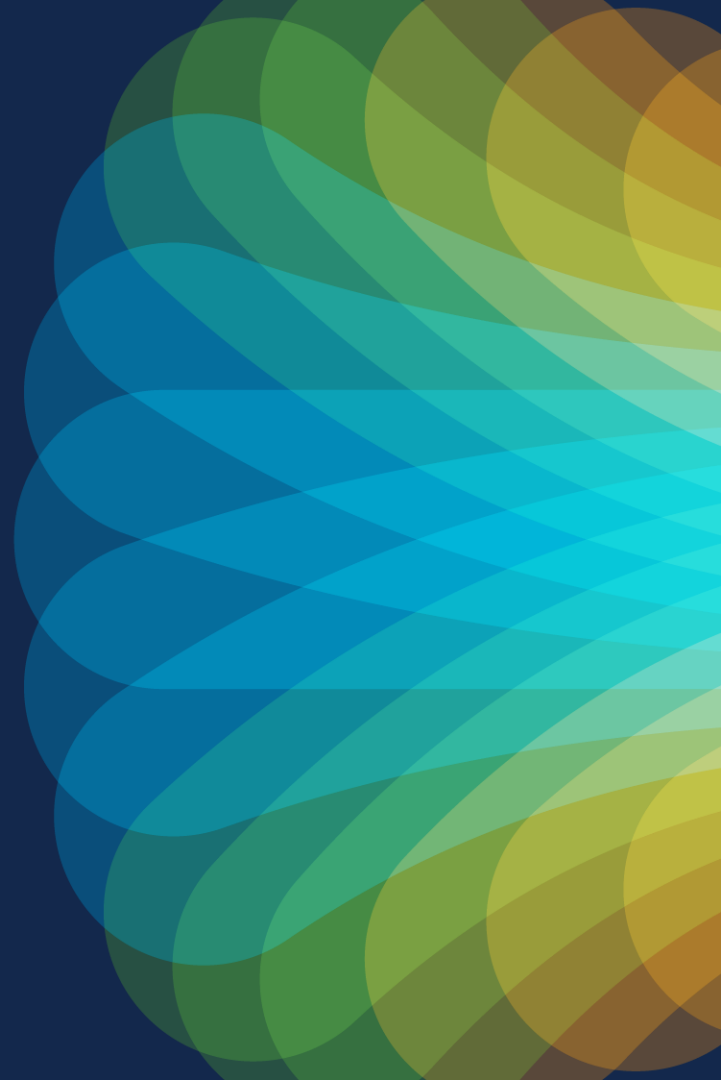
Simple Integrated
Solution

Link accounts and
Create Tests

Deploy Tests at Scale
across Networks

Monitor Tests results on
ThousandEyes dashboard

Meraki and ThousandEyes Demo

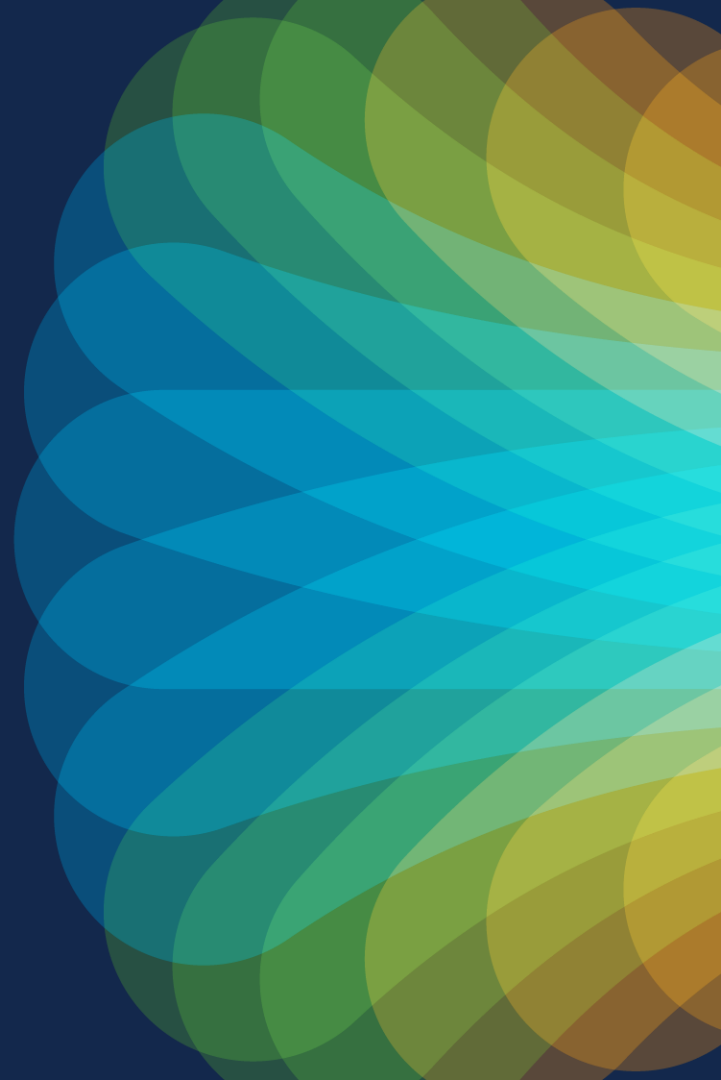




Number of hours spent on
Deploying, Scaling and Managing an IT infrastructure
is now 1 hour!

Will be available as
Public beta in

Summer 2023 !



Prep that Network!

SMALL BRANCH



MX67/68

Up to 50 users
600 Mbps FW throughput
Wi-Fi & PoE



MX67C/68CW

Up to 50 users
600 Mbps FW throughput
Wi-Fi & PoE
CAT 6 LTE modem



MX75

Up to 250 users
1 Gbps FW throughput
WAN PoE

MX18.1

SDW+ License

MEDIUM TO LARGE BRANCH



MX85

Up to 250 users
1 Gbps FW throughput



MX95

Up to 500 users
2 Gbps FW throughput



MX105

Up to 750 users
3 Gbps FW throughput

CAMPUS / LARGE ENTERPRISE



MX250

Up to 2,000 users
4 Gbps FW throughput



MX450

Up to 10,000 users
6 Gbps FW throughput

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 #3303
- 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

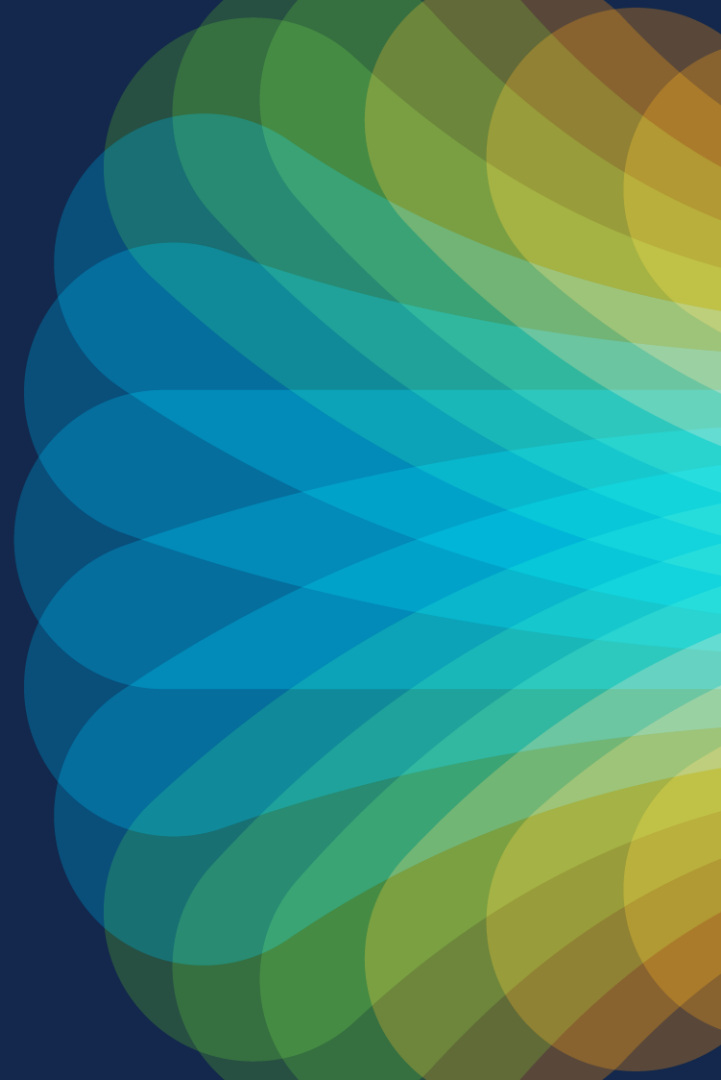


The bridge to possible

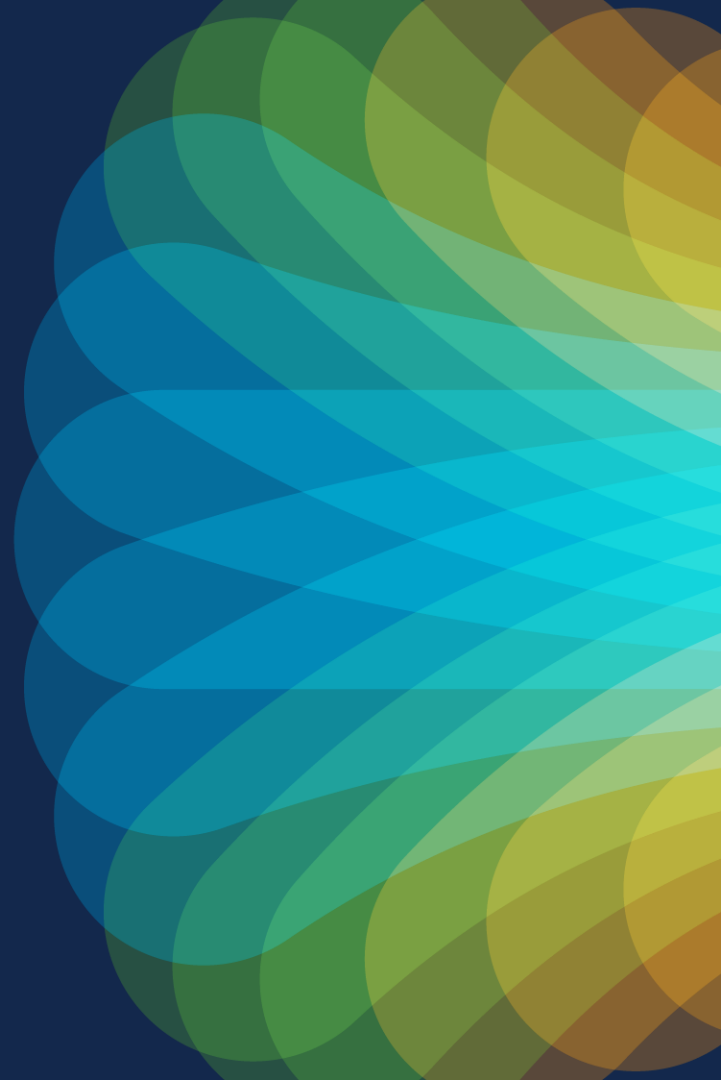
Thank you

CISCO *Live!*

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User Customer story

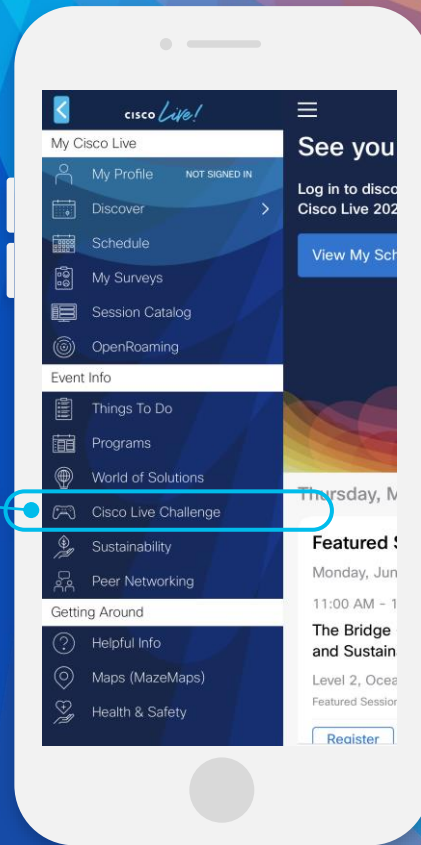
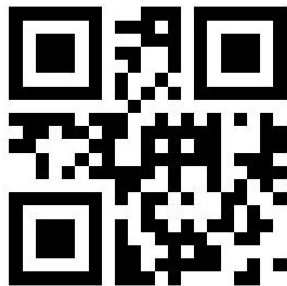


Cisco Live Challenge

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:



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, creating a sense of motion and energy.

CISCO *Live!*

Let's go

#CiscoLive