Delivering on the promise of the Secure Campus & Unified Branch for the AI Era

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Solutions Engineer

December 2, 2025

Today’s IT environments are more complex, noisy, and fragmented than ever

70%

of IT pros say alert fatigue is a top challenge

85%

of IT outages caused by human error are procedure or process related

112

Saas apps are used by the average enterprise, operating across the 2.2 public clouds

15+

hours of average mean time to resolution for critical incidents. MTTR is still too high

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AI is bringing changes and challenges

1,000s

AI Agents per enterprise expected

#1 risk

AI-enhanced malicious attacks

64%

of orgs face IT skills shortage by 2026

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Is your Campus Network AI ready?

For explosive traffic, for increased security risks, for more complexity

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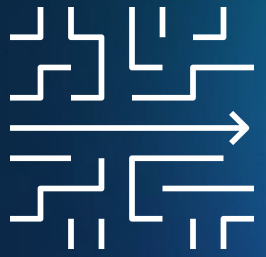
Operational simplicity powered by AI



Unifying Catalyst & Meraki

Catalyst		Meraki
Catalyst Center	MANAGEMENT	**Meraki Dashboard**
Catalyst License	LICENSE	**Meraki License**
Catalyst Hardware	CISCO HARDWARE	**Meraki Hardware**

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Our unified platform

PLATFORM

Management

Assurance

API / Integrations

Intelligence

HARDWARE

Smart Switches

Secure Routers

Wireless

Industrial IoT

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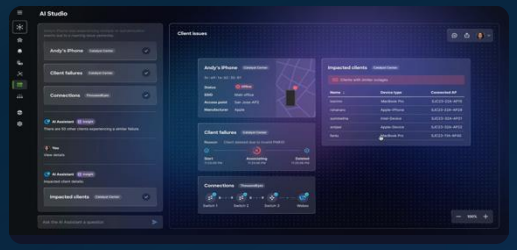
AgenticOps
The New Standard for IT Operations

Coming in 2026



AI Canvas

Cross-domain collaborative troubleshooting

Available Now

cisco AI Assistant

AI Assistant

Accelerate network operations

POWERED BY DEEP NETWORK MODEL

Cut MTTR to near seconds with AI-driven root cause and resolution.

Catch critical issues **early with AI that sees across the stack.**

Operate at scale with lean teams and built-in AI expertise.

Troubleshoot faster together with shared context across teams.

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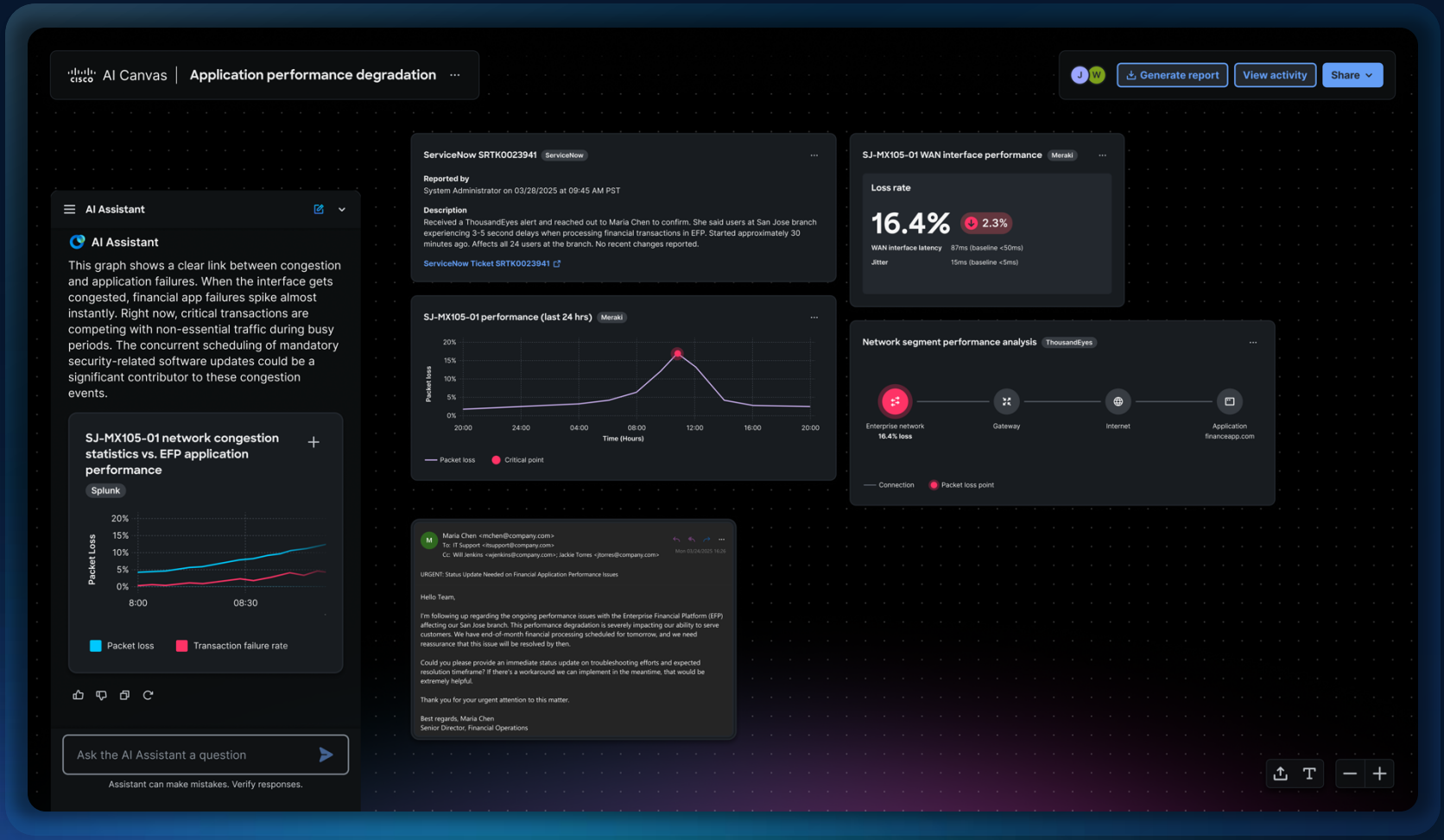
Coming in 2026

AI Canvas

- Troubleshooting and execution across multiple domains
- Collaboration across multiple users (NetOps, SecOps and execs)
- Built on the foundation of the Deep Network Model



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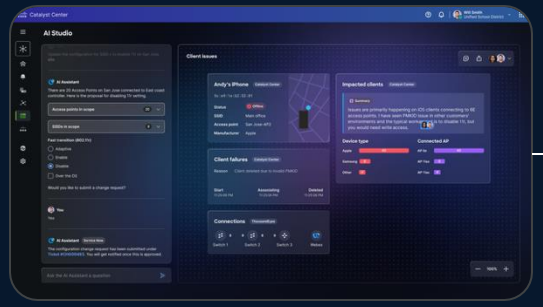
Agentic Ops Across IT and SecOps

AI Assistant

AI Canvas



Campus and Branch

Catalyst Center
Topology, client details, location, etc.

webex
Voice and video experience

Cisco Meraki
Topology, client details, location, etc.

ThousandEyes
WAN, Internet, App Insights

SD-WAN
WAN Details

Identity Intelligence
User trust level, identity checks & reasons

Data Center

Nexus Dashboard
Data center network management.

Hyperfabric
Data center network management.

Intersight
Unified management, automation, security.

Security and Observability

splunk>
Cisco and third-party insights

Firewall
Security & connection events

ISE
Authentication Insights

Duo
Authentication & compliance

Secure Access
Private & SAAS Resource Access

XDR
Related Threat Incidents

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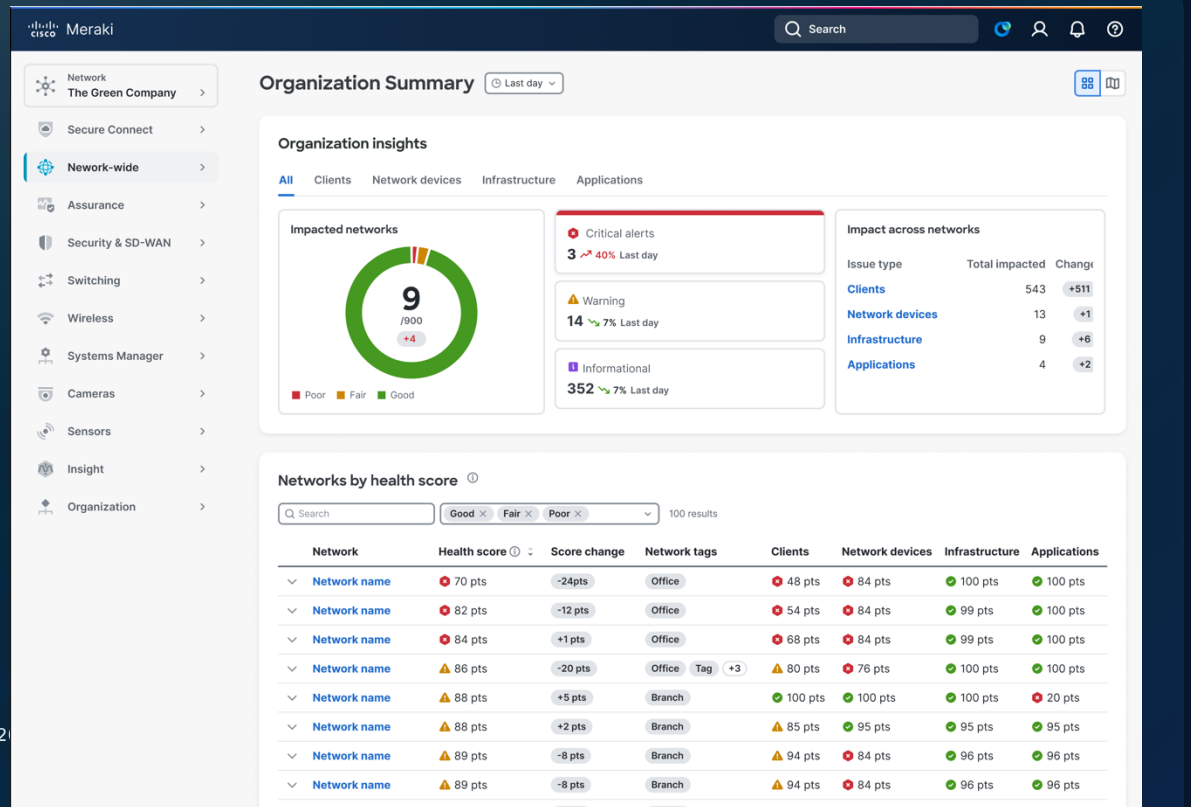
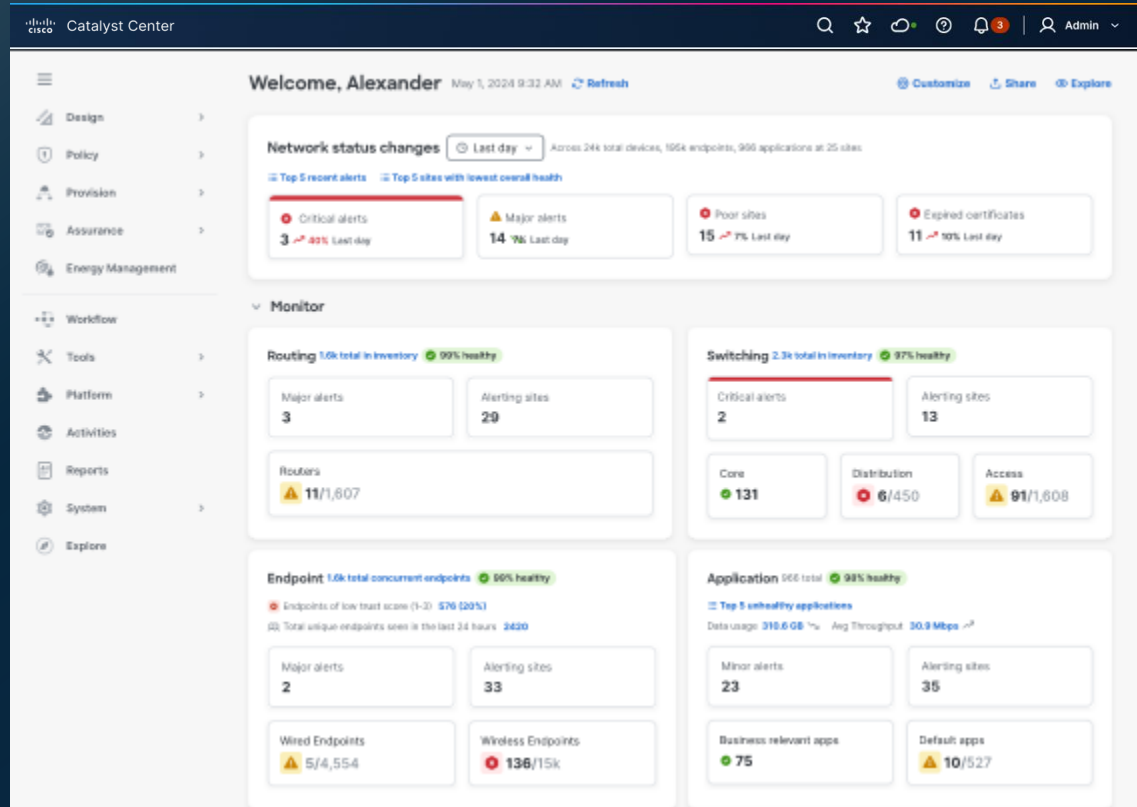
Common experience

AVAILABLE NOW

Bringing together the power of **Catalyst** and simplicity of **Meraki**





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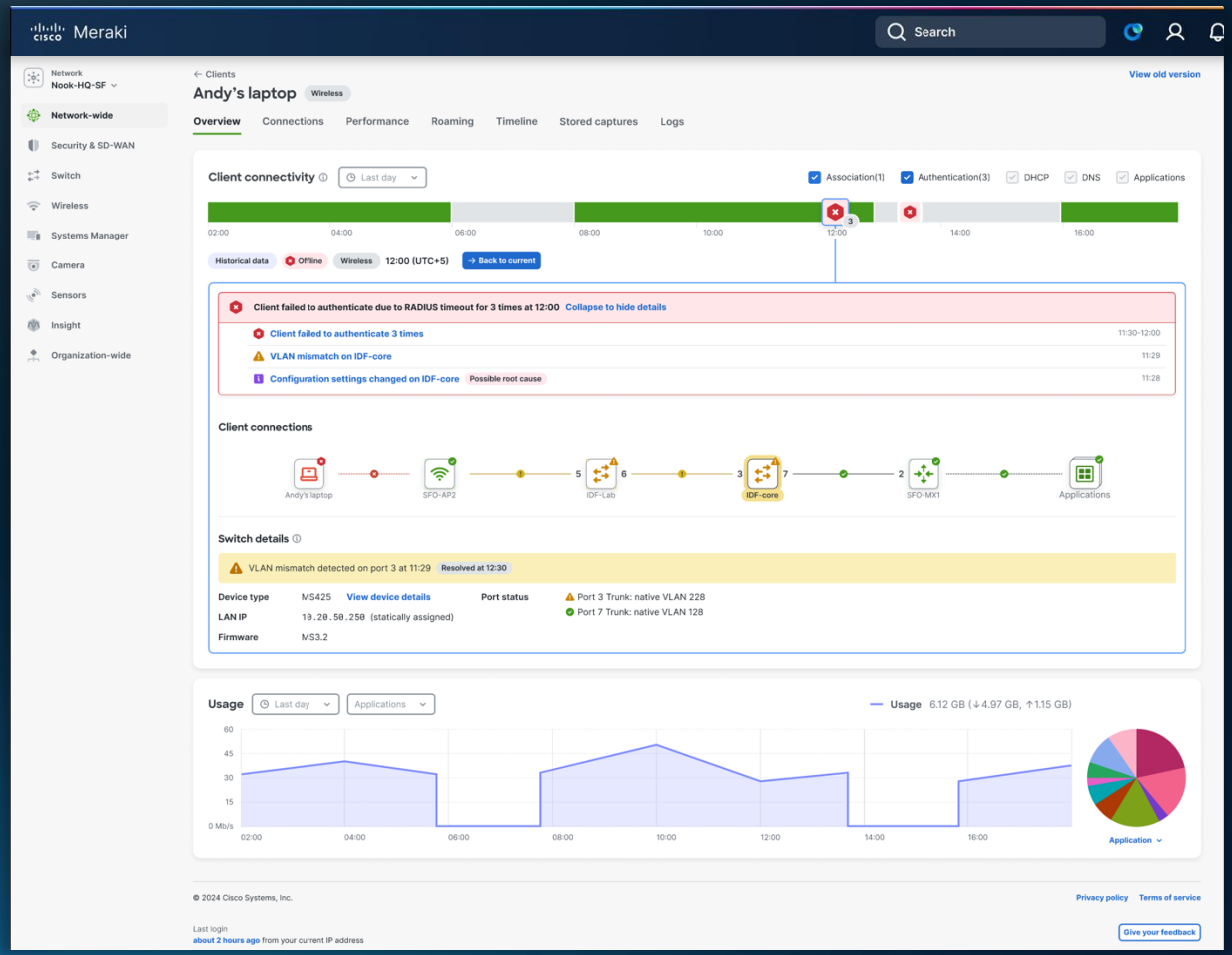
Assurance across every digital experience

- Deep visibility across both owned and unowned networks
- AI-powered insights surface experience-impacting issues instantly
- Closed-loop workflows trigger automated remediation
- AI Assistant accelerates root cause analysis end-to-end



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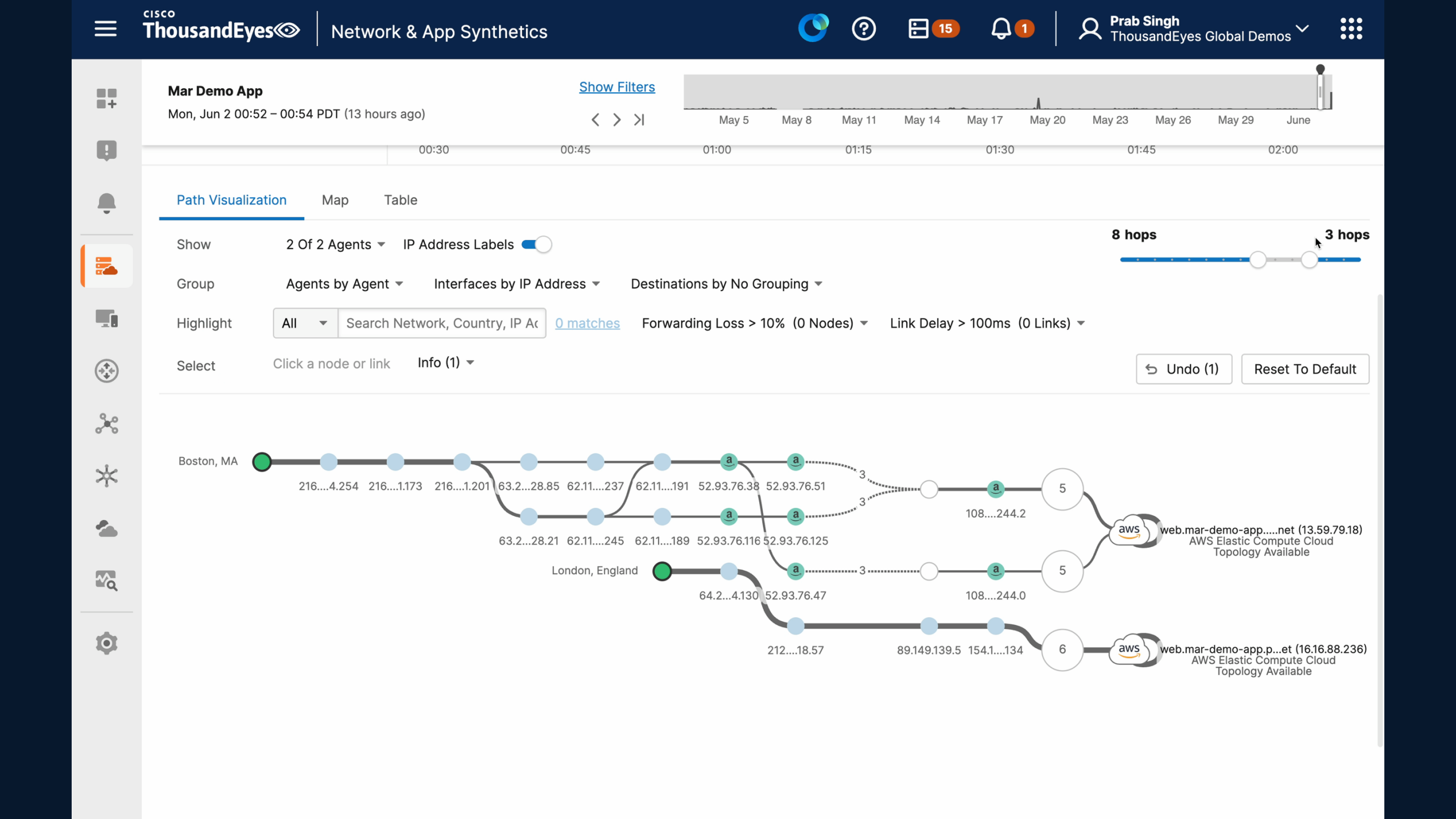

cisco ThousandEyes | Network & App Synthetics
15
1
Prab Singh
ThousandEyes Global Demos
Mar Demo App
Mon, Jun 2 00:52 – 00:54 PDT (13 hours ago)
Show Filters
May 5
May 8
May 11
May 14
May 17
May 20
May 23
May 26
May 29
June
00:30
00:45
01:00
01:15
01:30
01:45
02:00
Path Visualization
Map
Table
Show
2 Of 2 Agents
IP Address Labels
8 hops
3 hops
Group
Agents by Agent
Interfaces by IP Address
Destinations by No Grouping
Highlight
All
Search Network, Country, IP Ac
0 matches
Forwarding Loss > 10% (0 Nodes)
Link Delay > 100ms (0 Links)
Select
Click a node or link
Info (1)
Undo (1)
Reset To Default
Boston, MA
216....4.254
216....1.173
216....1.201
63.2...28.85
62.11....237
62.11....191
52.93.76.38
52.93.76.51
63.2...28.21
62.11....245
62.11....189
52.93.76.116
52.93.76.125
3
3
108....244.2
5
London, England
64.2...4.130
52.93.76.47
3
108....244.0
5
212....18.57
89.149.139.5
154.1....134
6
web.mar-demo-app.....net (13.59.79.18)
AWS Elastic Compute Cloud
Topology Available
web.mar-demo-app.p...et (16.16.88.236)
AWS Elastic Compute Cloud
Topology Available

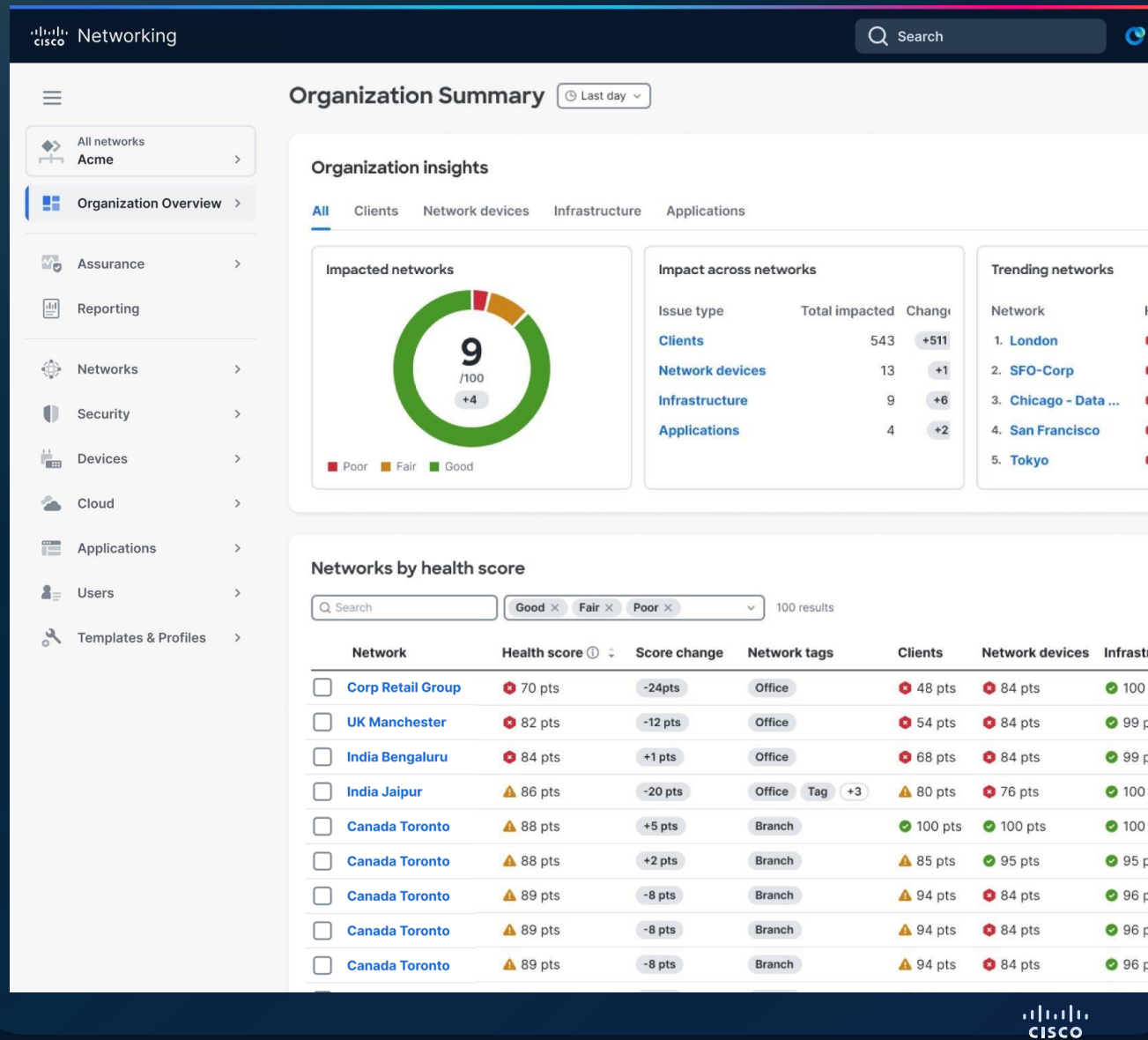
Unified network management

Cisco networking platform

Coming Soon

Unified network management with flexible deployments for cloud, on-prem, and hybrid in a single cloud dashboard experience integrating Meraki and Catalyst Center

- Unified management experience
- Global health visibility and actionable alerts
- Secure SSO for seamless workflows
- Simplified AI-powered network operations across cloud and on-prem environments
- Enterprise campus capabilities and scale
- AI-powered automation and assurance



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Cisco Cloud Control

An AI-native management platform that reimagines how organizations **manage, operate, and optimize** their IT infrastructure

Coming in 2026

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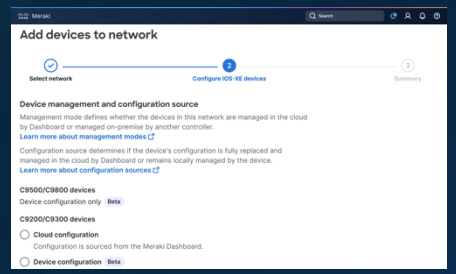
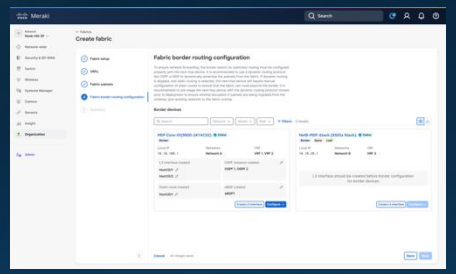
Large campus cloud capabilities

Powerful Switching Capabilities



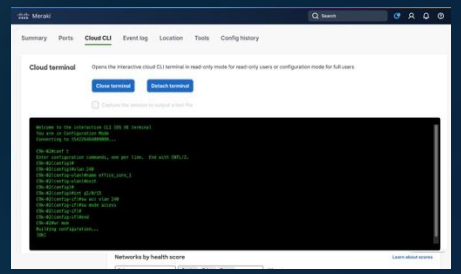
Support campus deployments with BGP, VRF, ISSU, and IOS XE stacking

Fabric for Secure Networking



Simplify NetOps with a secure fabric and micro/macro-segmentation

Cloud CLI for Flexibility



Simplify onboarding and flexibility with operating mode options and Cloud CLI

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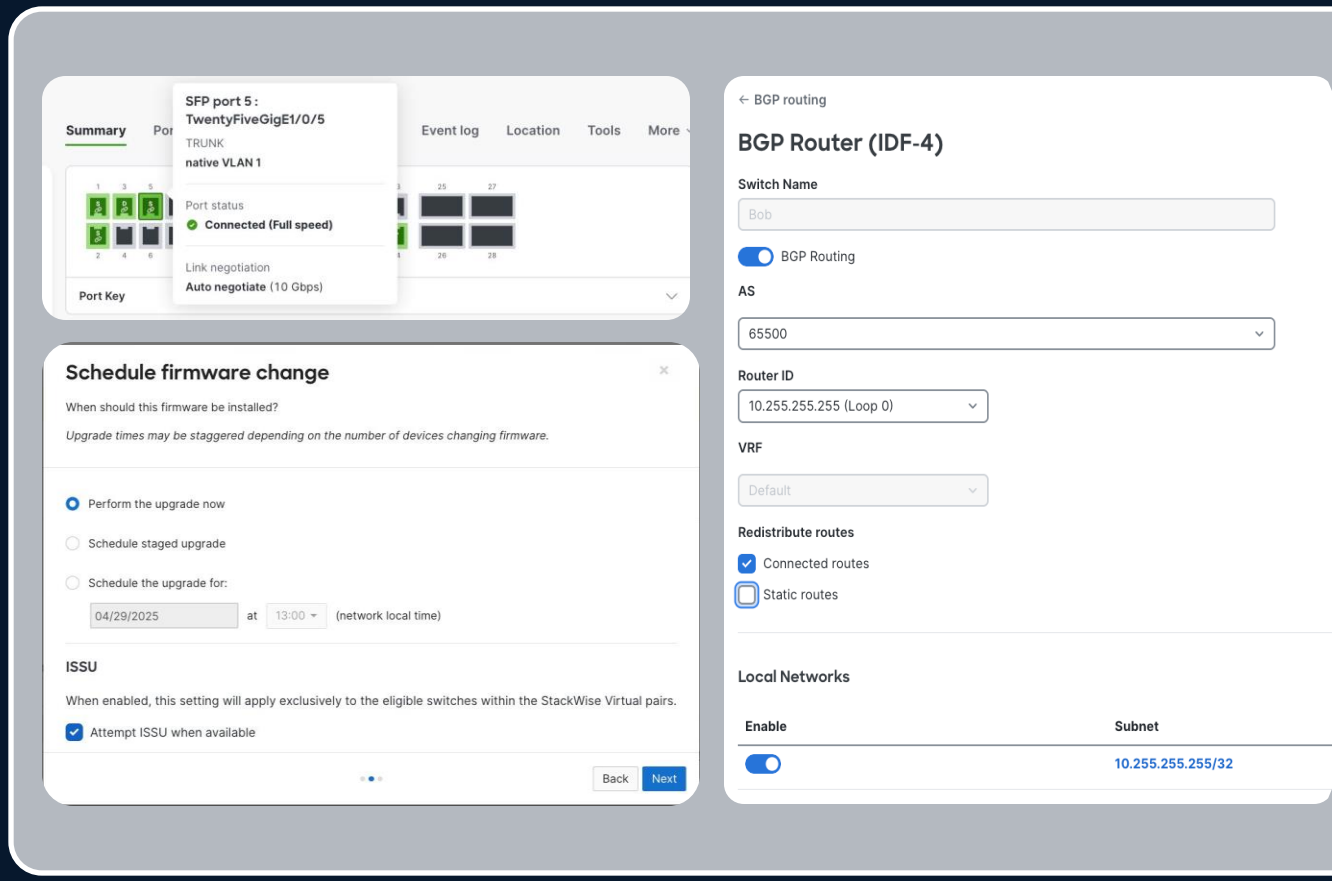
Simplicity, with new Enterprise capabilities and scale

- **Advanced routing** configurations with BGP,VRF support, and Routed Ports
- **High availability** with In-Service Software Upgrade (ISSU), StackWise Virtual, and Rapid Per-VLAN STP+
- **Cloud intelligence**: SmartPorts (Profiles), Intelligent Capture (scheduling), Device Uptime, Device Health, and Digital Optical Monitoring
- **Expand new platforms** support: MS390, C9200/CX/L, C9300/LM/L/X, C9500*



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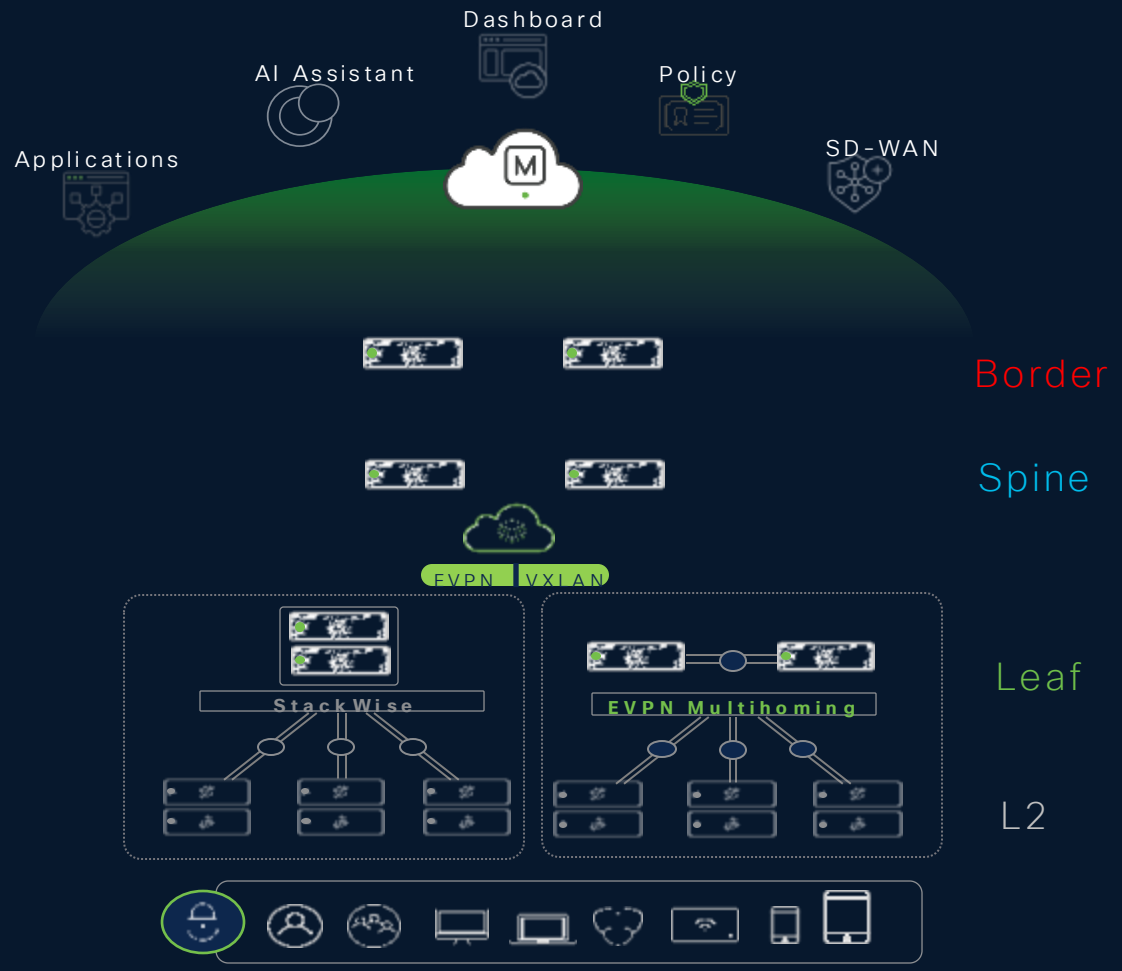
IOS-XE 17.18.2

Cloud-Managed Fabric Solution

- **Simplified** management as a **single logical entity**
- Focused on **brownfield migration**
- **Flexible** deployment and staging
- **Securing the network** with Adaptive Policy
- **Optimized** L2 extension
- Day-2 Operational Assurance



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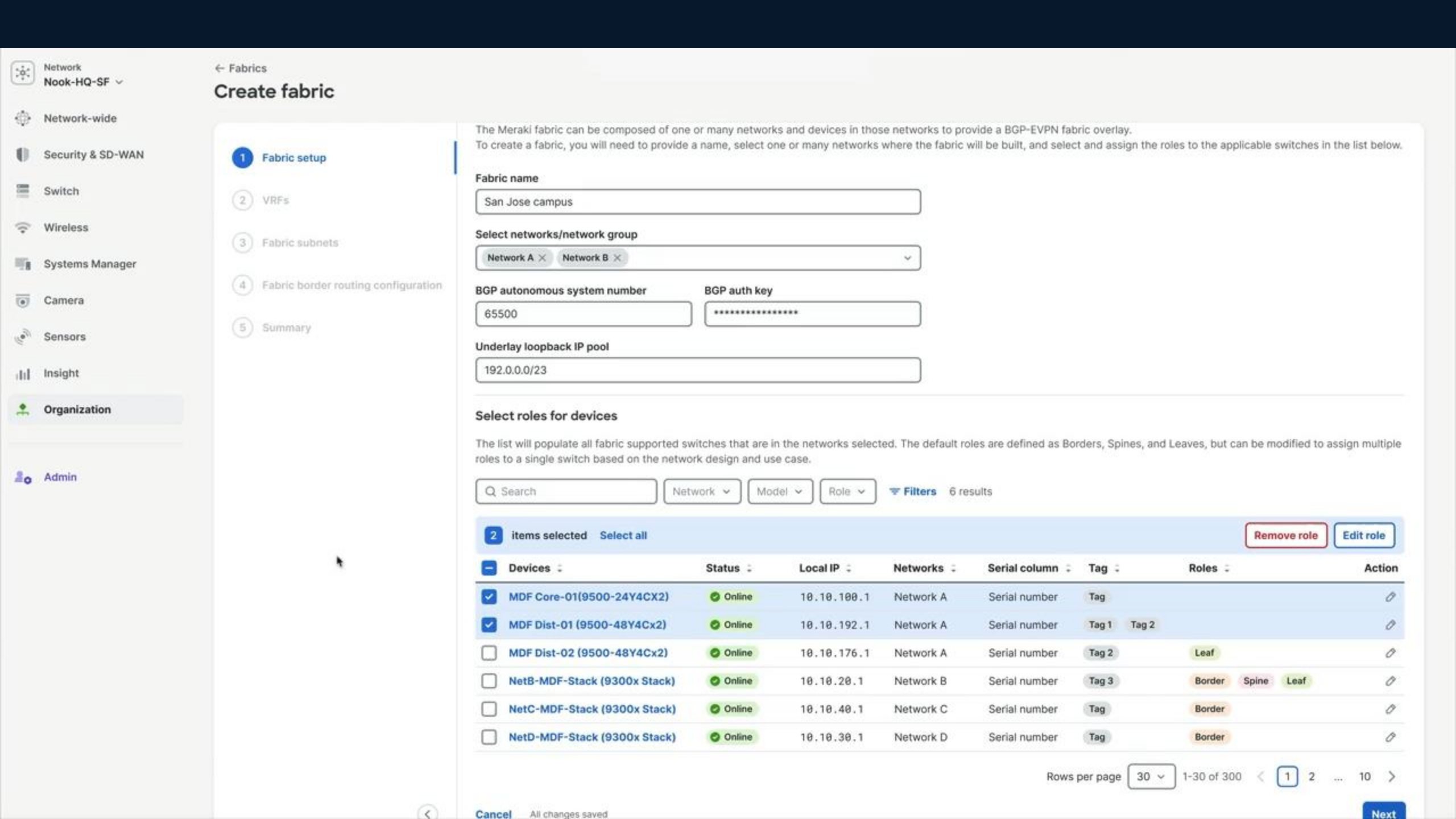
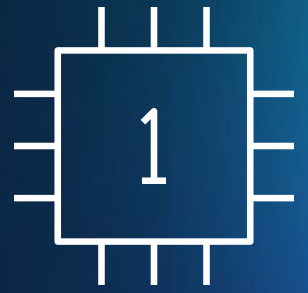

Network
Nook-HQ-SF
Network-wide
Security & SD-WAN
Switch
Wireless
Systems Manager
Camera
Sensors
Insight
Organization
Admin
← Fabrics
Create fabric
1 Fabric setup
2 VRFs
3 Fabric subnets
4 Fabric border routing configuration
5 Summary
The Meraki fabric can be composed of one or many networks and devices in those networks to provide a BGP-EVPN fabric overlay.
To create a fabric, you will need to provide a name, select one or many networks where the fabric will be built, and select and assign the roles to the applicable switches in the list below.
Fabric name
San Jose campus
Select networks/network group
Network A
Network B
BGP autonomous system number
65500
BGP auth key
Underlay loopback IP pool
192.0.0.0/23
Select roles for devices
The list will populate all fabric supported switches that are in the networks selected. The default roles are defined as Borders, Spines, and Leaves, but can be modified to assign multiple roles to a single switch based on the network design and use case.
Search
Network
Model
Role
Filters
6 results
2 items selected
Select all
Remove role
Edit role
Devices
Status
Local IP
Networks
Serial column
Tag
Roles
Action
MDF Core-01(9500-24Y4CX2) Online 10.10.100.1 Network A Serial number Tag
MDF Dist-01 (9500-48Y4Cx2) Online 10.10.192.1 Network A Serial number Tag 1 Tag 2
MDF Dist-02 (9500-48Y4Cx2) Online 10.10.176.1 Network A Serial number Tag 2 Leaf
NetB-MDF-Stack (9300x Stack) Online 10.10.20.1 Network B Serial number Tag 3 Border Spine Leaf
NetC-MDF-Stack (9300x Stack) Online 10.10.40.1 Network C Serial number Tag Border
NetD-MDF-Stack (9300x Stack) Online 10.10.30.1 Network D Serial number Tag Border
Rows per page 30
1-30 of 300
1 2 ... 10
Cancel
All changes saved
Next

Scalable devices ready for AI



High-performance, low latency

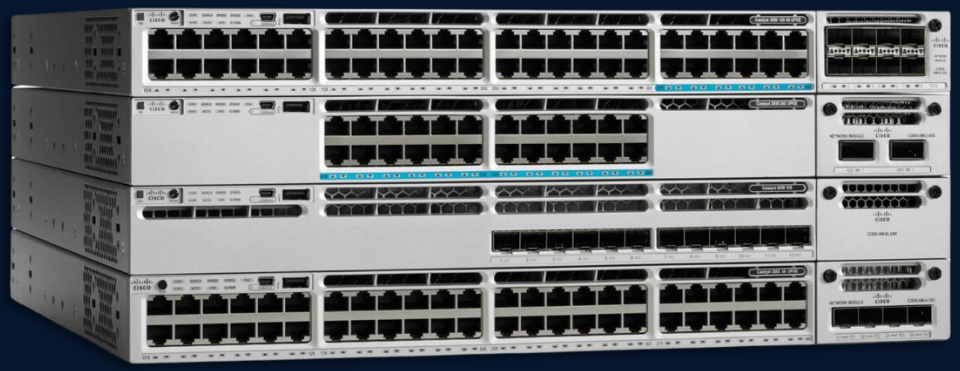
Cisco Silicon One + co-processor for security and AI

Post-quantum secure

Intelligent energy efficiency

Introducing

Smart Switches for the AI-powered campus



Cisco C9350 Smart Switches

AVAILABLE NOW

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Unparalleled density, speed, and security

Backward compatible chassis with front to back airflow

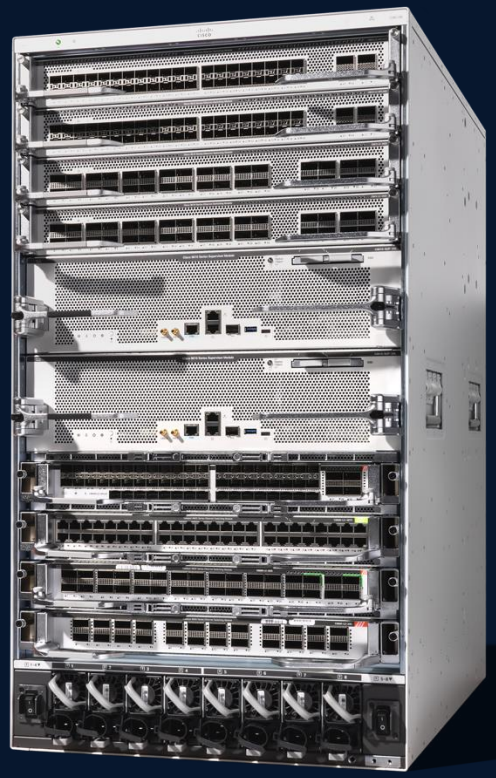
Powered by Cisco Silicon One

High density chassis with state-of-the-art hardware

Entirely modular and upgradable system

Introducing

Smart Switches for the AI-powered campus



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Cisco C9610 Modular Core Smart Switches

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Boosts hardware encryption post quantum security

Intelligently adaptable to mitigate link failures, congestion, and bandwidth challenges

Flexible and programmable for future AI and ML workloads

High-scale and low latency for time-sensitive applications

Efficient power performance

Powered by

Cisco Silicon One for Scale, Security, and Efficiency

Silicon One A100L and Silicon One K100L

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Announcing 19 new switches joining Cisco's leading portfolio

DIN-rail Portfolio

Cisco IE3100 - Compact

+

NEW!

4PPoE

Cisco IE3200

Cisco IE3300

Cisco IE3400

NEW!

Cisco IE3500

IP67 Portfolio

NEW!

Cisco IE3100H - Compact

Cisco IE3400H

NEW!

Cisco IE3500H

Rackmount Portfolio

Cisco IE9300 – All Copper

Cisco IE9300 – All Fiber

NEW!

Cisco IE9300 – Mixed Ports

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Wi-Fi 7 for every operational scale

CW9172H

6 Spatial Streams

Dorm Rooms, Hospitality

CW9174E

8/10 Spatial Streams

External antennas

Dec 2025

CW9176D1

12 Spatial Streams

Integrated Directional

UWB

CW9179F

16 Spatial Streams

LPV/Stadium

CW9171I

4 Spatial Streams

Omnidirectional

Dec 2025

CW9172I

6 Spatial Streams

Omnidirectional

CW9174I

8/10 Spatial Streams

Omnidirectional

Dec 2025

CW9176I

12 Spatial Streams

Omnidirectional

UWB

CW9178I

16 Spatial Streams

Omnidirectional

UWB

Wi-Fi 7 | Global Use AP | Unified License | AI Optimized

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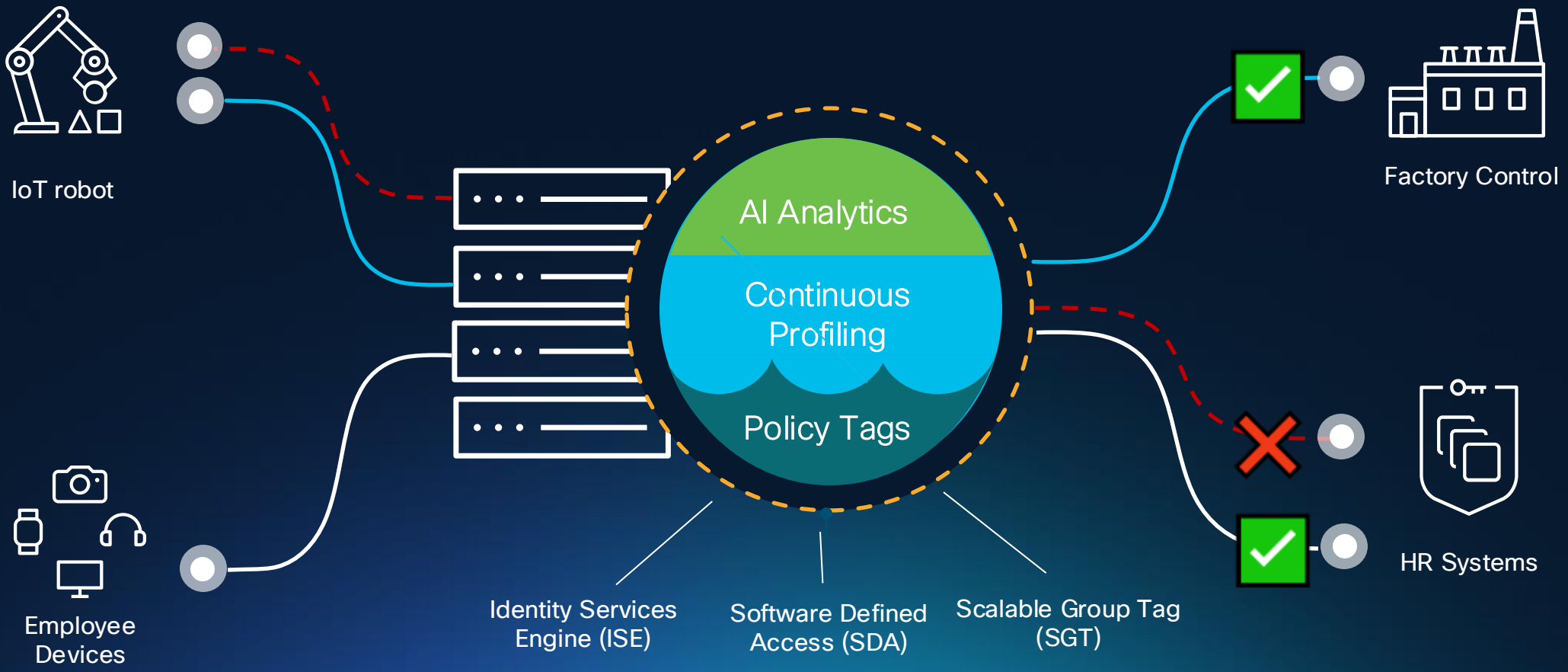
Security fused into the Network

Securing network access

Scalable microsegmentation to protect every connection



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New threats attack networks directly

Attacks on Infrastructure

Exploits like Salt Typhoon that target unpatched software on key infrastructure

Attacks on Encryption

“Harvest now, decrypt later” attacks where encrypted data is extracted and stored, anticipating quantum computing.

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Securing network connectivity

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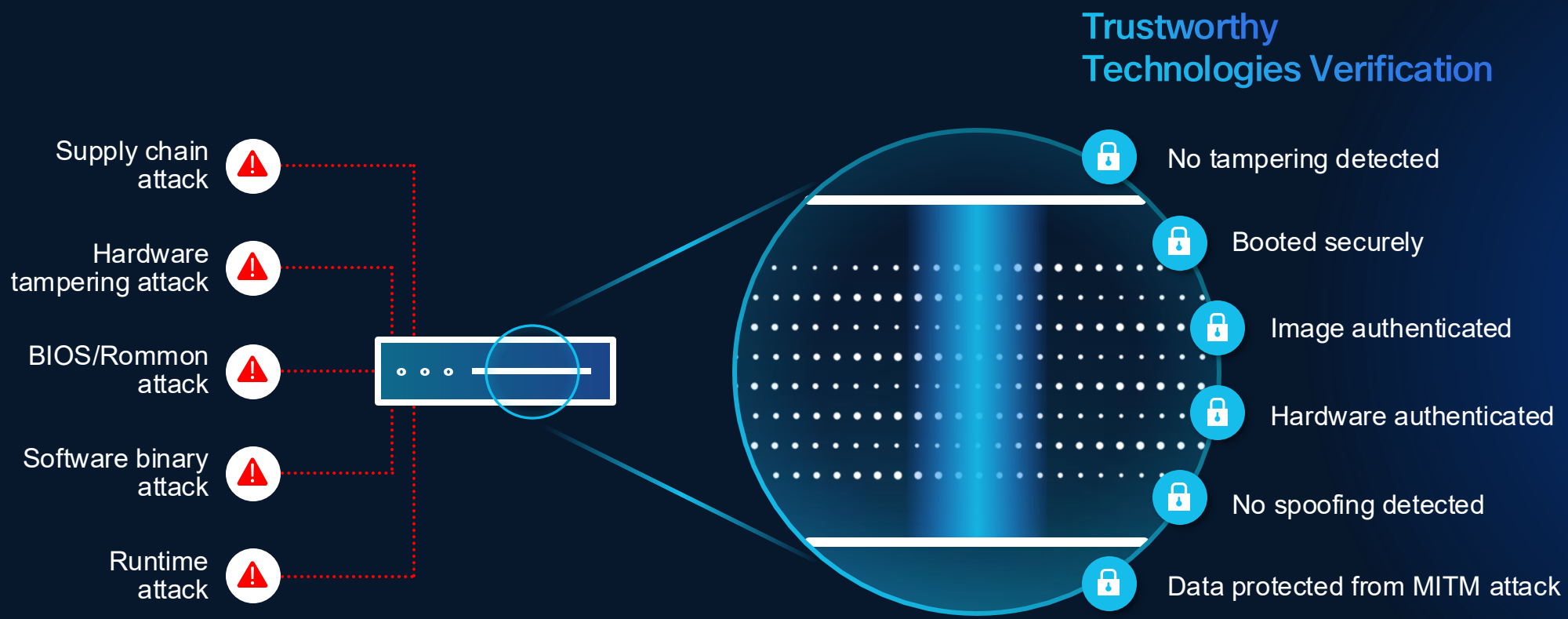
Securing the device

Secure from hardware to software, from boot time to runtime



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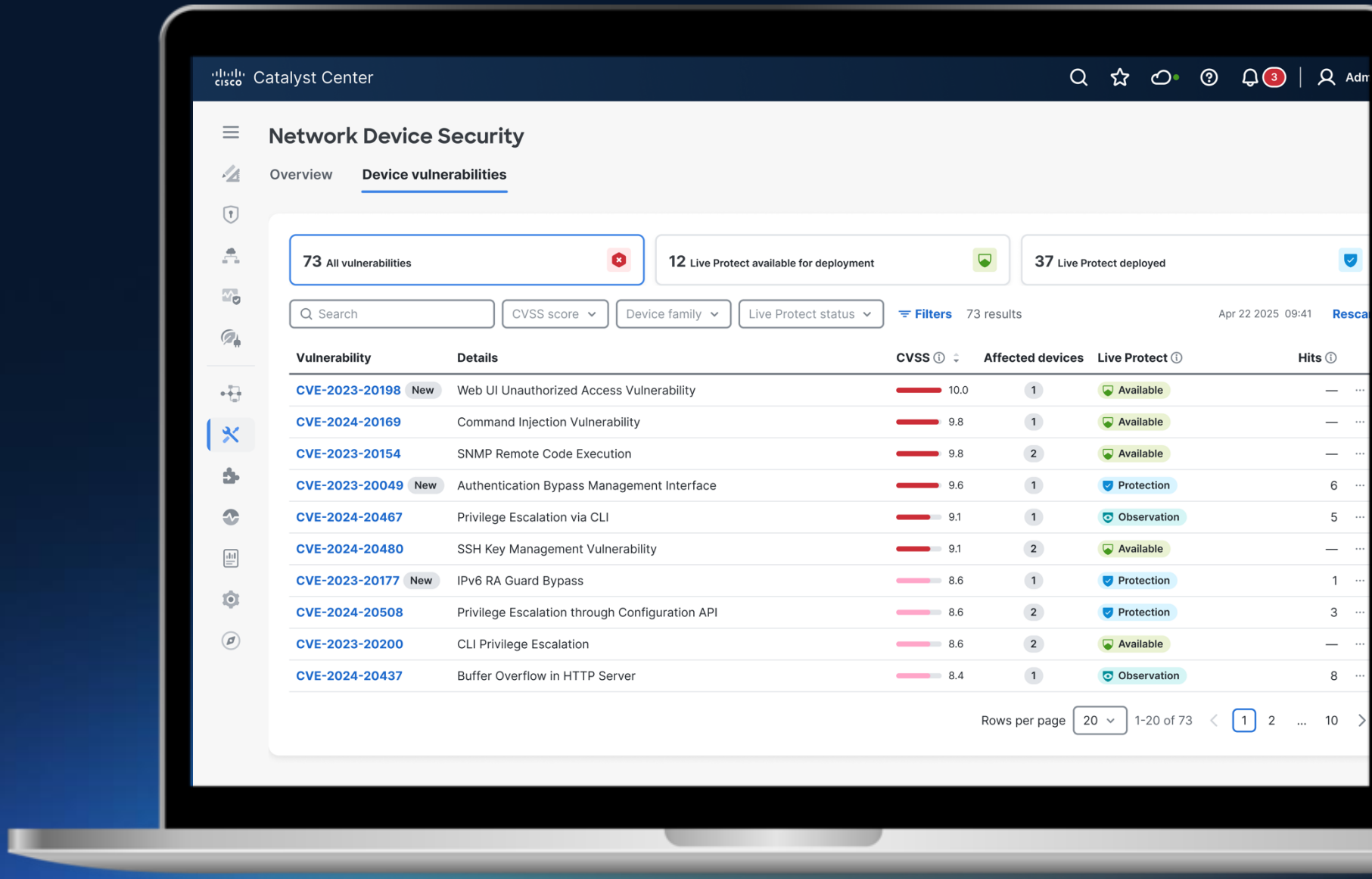
Coming

Live Protect

Mitigate new threats in near-real time—without upgrading image or rebooting device



Key Takeaways

1 A future proof campus network

- High performance, hyper-resilient campus network serves users with lightening fast reliable connectivity (including Wifi7)
- Up to 90W Power for IOT & Collaboration devices, ability to add as many 4K Cameras / Video / AI agents one day), and low latency to support advanced workloads such as AR or robotics.
- Ability to run more complex services right on the switch (e.g. Hypershield in the future)

2 The most secure campus infrastructure on the market

- Cisco is a trusted security partner, offering a compelling vision, components needed for Security, with a a roadmap for the future
- Cisco Delivered Secure Architecture offers Layered Security, Protecting Devices, Data Traffic, and Endpoints.
- Automation to manage micro & macro segmentation at scale. Works with existing NGFW, and delivers consistent Policy across my entire network.

3 Simpler NetOps

- Cisco is delivering greater simplicity from Cisco with a plan for consistency between on Prem and Cloud, allowing migration to cloud over time (remote offices first and/or leverage hybrid mode etc.)
- Leverage benefits of SDA from the cloud, with a simpler more streamlined experience.
- AI Assistant and End2End Assurance help get application visibility and troubleshoot faster.

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Thank you