

# Delivering on the Promise of the AI-Ready Campus & Branch: Smart, Secure and Scalable Networks

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# Another massive technology disruption

Internet

Mobility

Cloud

AI

# 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

# Is your Campus Network AI ready?

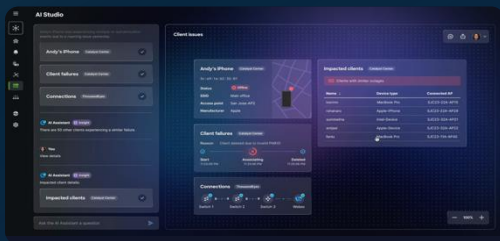
For explosive traffic, for increased security risks, for more complexity



# AgenticOps

## The New Standard for IT Operations

ALPHA | OCTOBER



### AI Canvas

Cross-domain collaborative troubleshooting

CONTROLLED RELEASE | OCTOBER



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.

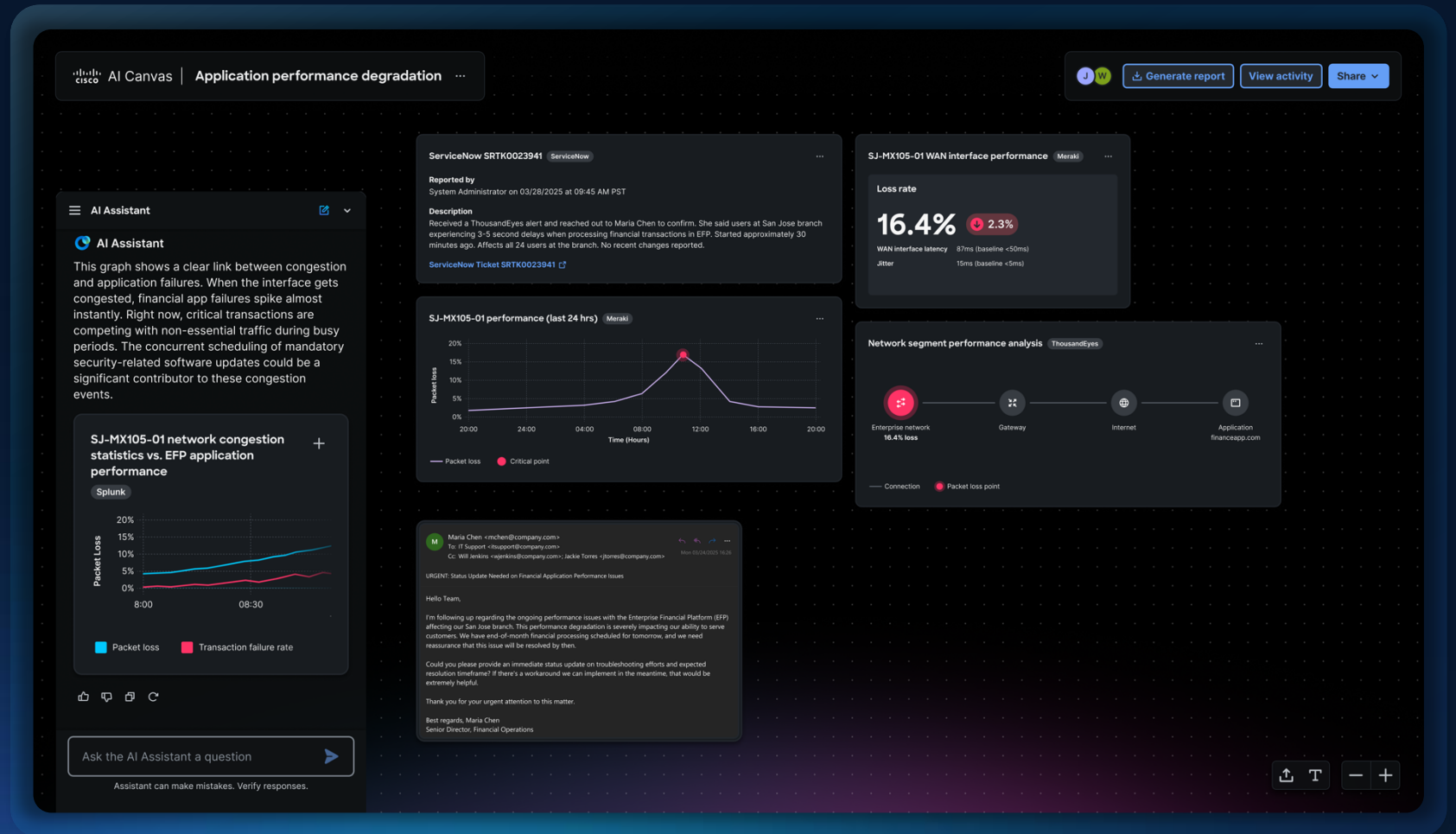
Troubleshoot faster together with shared context across teams.

# 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

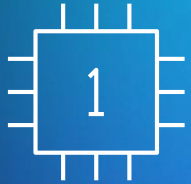


# Architecture for Secure Campus

**Operational simplicity**  
powered by AI



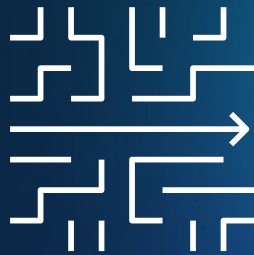
**Scalable devices**  
ready for AI



**Security**  
fused into the network



# Operational simplicity powered by AI



# Unifying Catalyst & Meraki

## Catalyst

Catalyst Center

Catalyst License

Catalyst Hardware

MANAGEMENT

LICENSE

CISCO HARDWARE

## Meraki

Meraki Dashboard

Meraki License

Meraki Hardware

# Our unified platform

PLATFORM

Management

Assurance

API / Integrations

Intelligence

HARDWARE



Smart  
Switches



Secure  
Routers



Wireless



Industrial  
IoT

# Expanded cloud-managed networking portfolio



## Wireless

Full wireless support  
Scale large campus wireless  
with Campus Gateway

GA | MAY



## Switching

Expanding cloud management  
support from fixed access to  
modular (C9610)

GA | DEC



## Routing

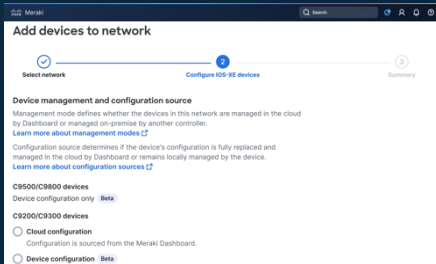
Next-gen routing  
support coming

ALPHA | JUNE

Powered by cloud management with IOS XE

# Large campus cloud capabilities

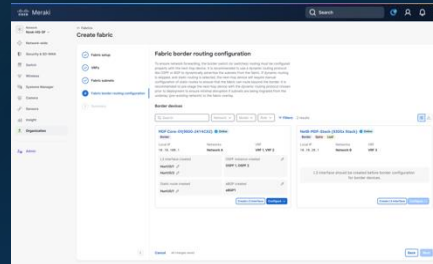
## Powerful Switching Capabilities



Support campus deployments with BGP, VRF, ISSU, and StackWise

BETA | NOW

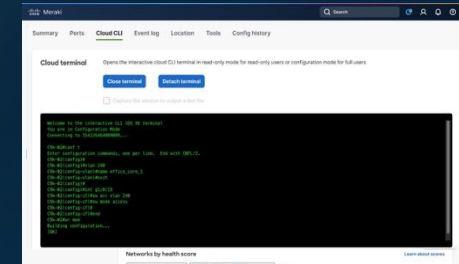
## Fabric for Secure Networking



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

BETA | DEC

## Cloud CLI for Flexibility



Simplify onboarding and flexibility with operating mode options and Cloud CLI

GA | NOW

AVAILABLE | NOW

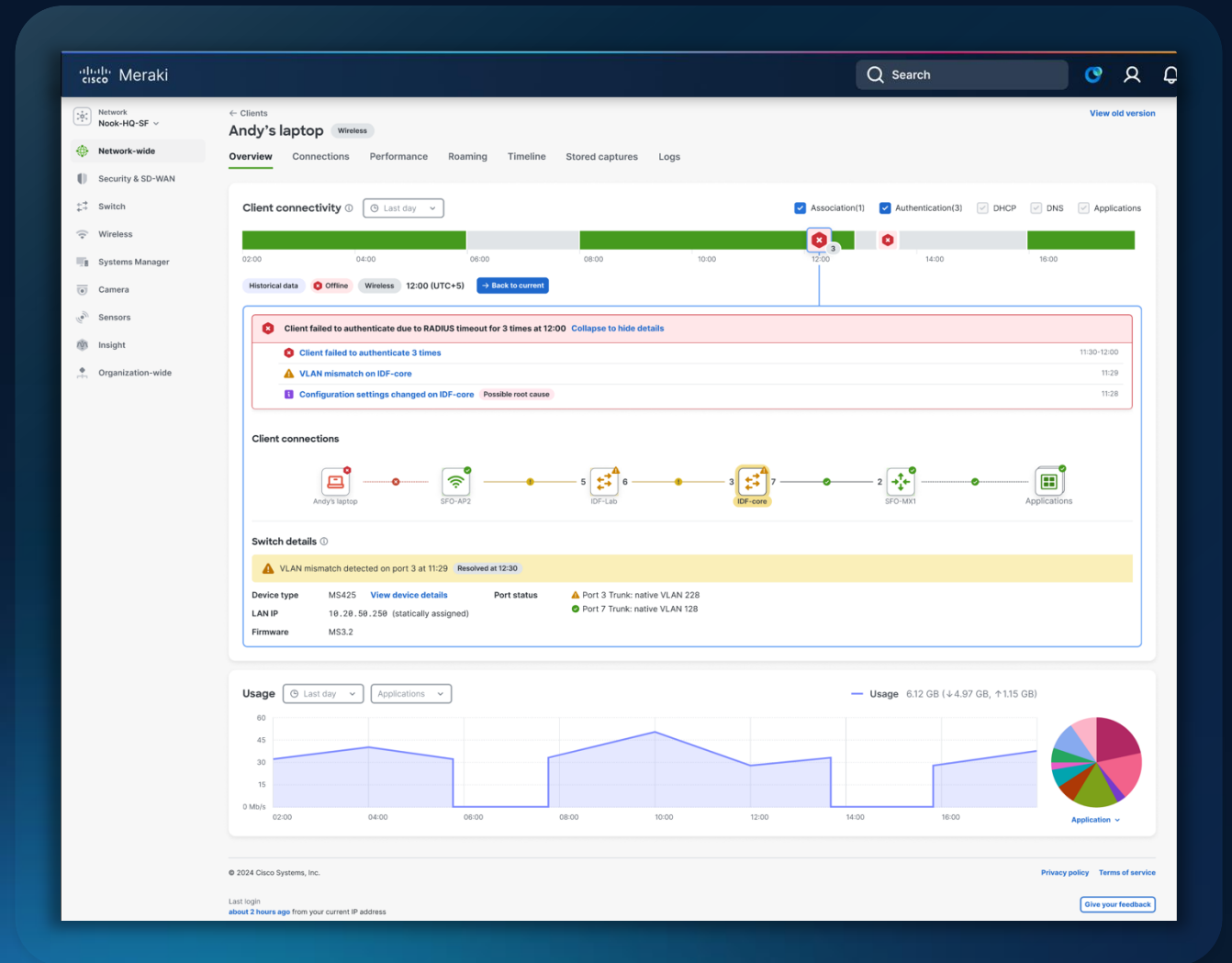
# Assurance across every digital experience

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



### Mar Demo App

Mon, Jun 2 00:52 - 00:54 PDT (13 hours ago)

Show Filters



< > >|

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

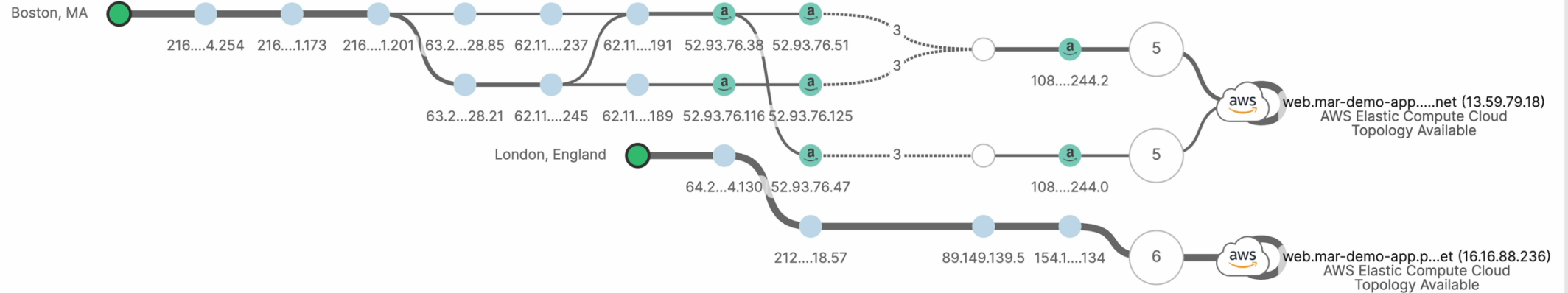
Group Agents by Agent Interfaces by IP Address Destinations by No Grouping

Highlight All Search Network, Country, IP Ac 0 matches Forwarding Loss > 10% (0 Nodes) Link Delay > 100ms (0 Links)

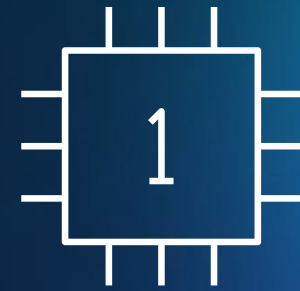
Select Click a node or link Info (1)



Undo (1) Reset To Default



**Scalable devices ready for AI**



# What technologies make up the Secure Campus?

Catalyst Center | Meraki Dashboard



## Wi-Fi

Wi-Fi 7  
Wireless Controllers  
Campus Gateway



## Switching

Cisco Catalyst  
Cisco Meraki  
Cisco Smart Switches



## Routing

Cisco Secure Routers  
Cisco Catalyst 8000



## ThousandEyes

Medium  
Large

INTRODUCING

# Scalable devices ready for AI

Smart Switches



Secure Routers



Campus Gateway



Secure Firewall



Large Venue Wi-Fi 7



ALL ORDERABLE JUNE 2025

# Introducing

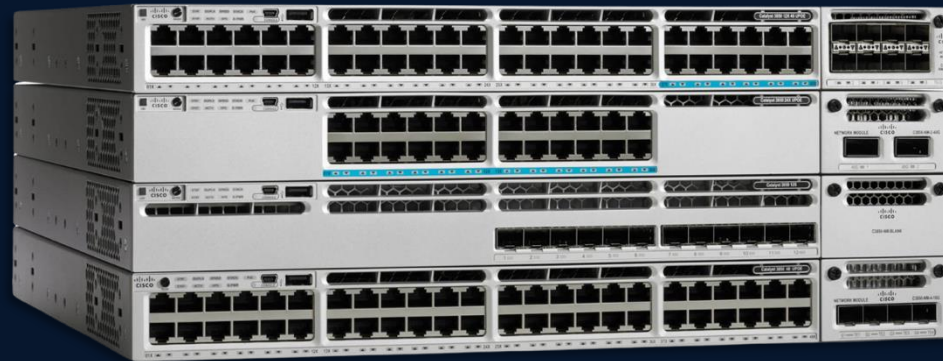
## Smart Switches for the AI-powered campus

High-performance,  
low latency

Cisco Silicon One +  
co-processor for  
security and AI

Post-quantum  
secure

Intelligent energy  
efficiency



## Cisco C9350 Smart Switches

AVAILABLE JUNE 2025

Unparalleled density,  
speed, and security

Backward compatible  
chassis with front to  
back airflow

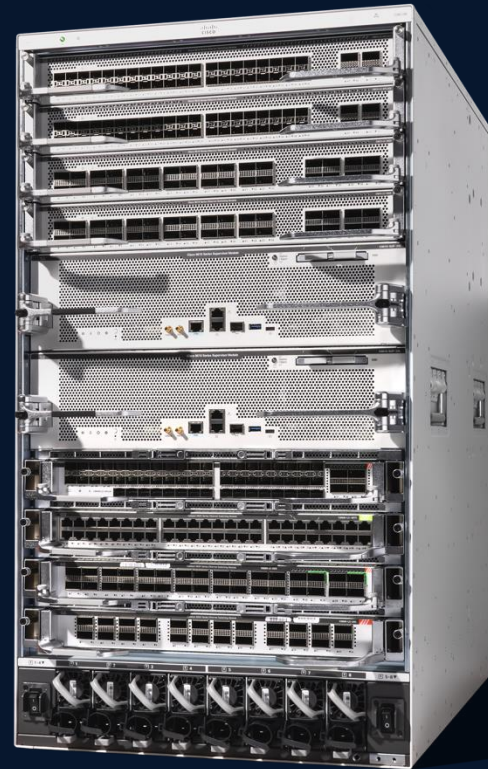
Powered by Cisco  
Silicon One

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

Entirely modular and  
upgradable system

# Introducing

## Smart Switches for the AI-powered campus



AVAILABLE JUNE 2025

## Cisco C9610 Modular Core Smart Switches

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**

# Highly Resilient Architectures

# Catalyst 9000: Redundancy at Every Layer

Platform Redundancy  
Hardware + PS + Fan

Design Redundancy  
SVL + GIR + EVPN

Software Redundancy  
Upgrades + Patching

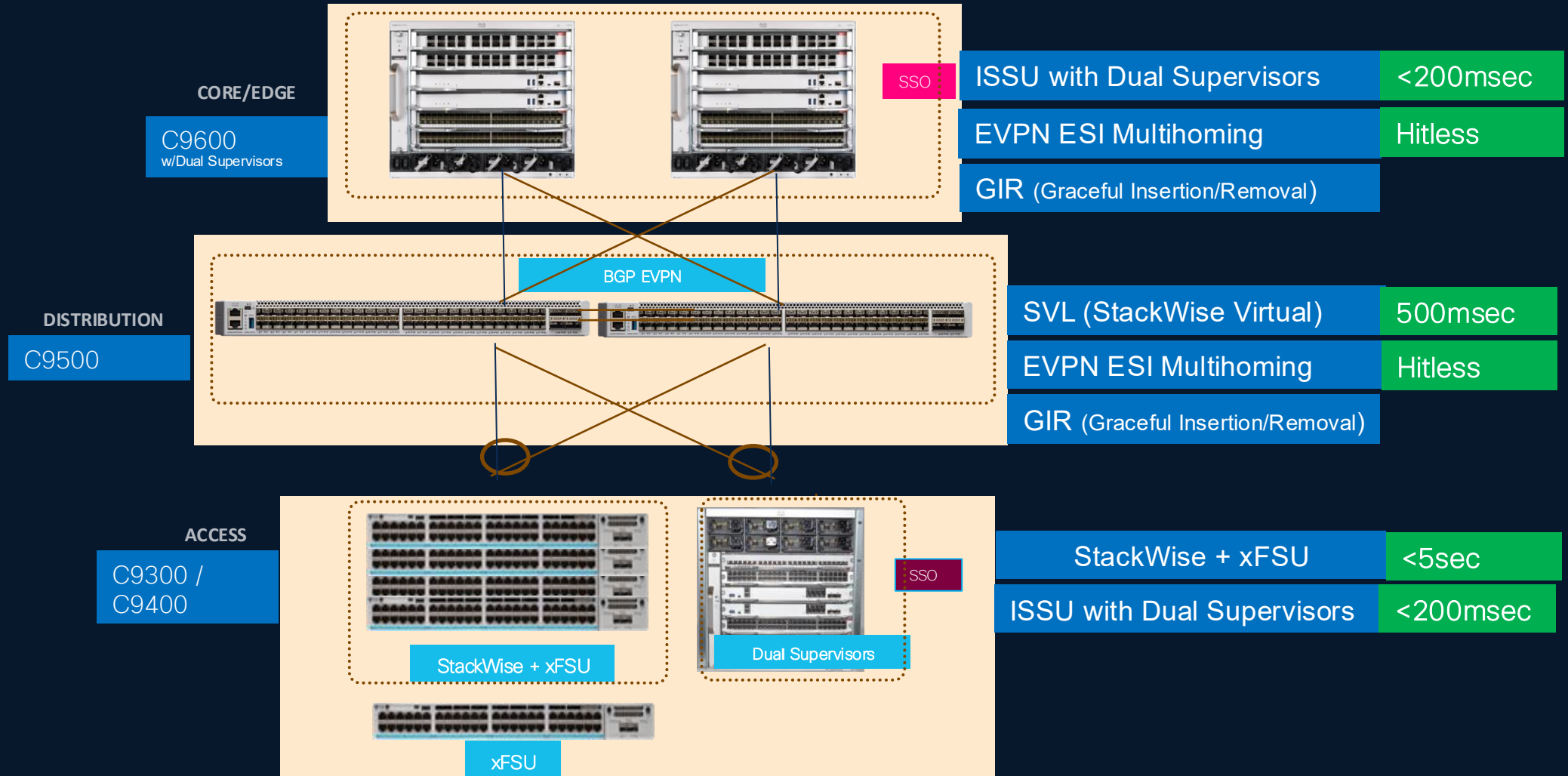
9300: StackWise, StackPower  
9400/9600: Dual Supervisor,  
Power Supply, & Fan  
9500: Power Supply & Fan

9300/9400/9500/9600 : Graceful  
Insertion and Removal (GIR)  
9400/9500/9600: StackWise Virtual  
(SVL)  
9300/9400/9500/9600: EVPN  
Multihoming

9300: Extended Fast Software  
Upgrade (xFSU)  
9400/9600: ISSU (Standalone +  
StackWise Virtual)  
9500: ISSU with StackWise Virtual  
9300/9400/9500/9600: SMU  
Hot/Cold Patching

*Minimize traffic impact across all layers of redundancy*

# Campus Resiliency at Every Layer



# Catalyst 9K – EVPN Multihoming

17.18.1: Beta for Non-Fabric | Fabric available now

17.18.2 + 26.1.1: GA code expected in Q1 2026

# Meraki Fabric

# Create fabric

- Fabric setup**
- VRFs
- Fabric subnets
- Fabric border routing configuration
- 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**

**Select networks/network group**

**BGP autonomous system number**  **BGP auth key**

**Underlay loopback IP pool**

### 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.

Filters 6 results

2 items selected [Select all](#) [Remove role](#) [Edit role](#)

Devices	Status	Local IP	Networks	Serial column	Tag	Roles	Action
<input checked="" type="checkbox"/> MDF Core-01(9500-24Y4CX2)	Online	10.10.100.1	Network A	Serial number	Tag		<a href="#">Edit</a>
<input checked="" type="checkbox"/> MDF Dist-01 (9500-48Y4Cx2)	Online	10.10.192.1	Network A	Serial number	Tag 1 Tag 2		<a href="#">Edit</a>
<input type="checkbox"/> MDF Dist-02 (9500-48Y4Cx2)	Online	10.10.176.1	Network A	Serial number	Tag 2	Leaf	<a href="#">Edit</a>
<input type="checkbox"/> NetB-MDF-Stack (9300x Stack)	Online	10.10.20.1	Network B	Serial number	Tag 3	Border Spine Leaf	<a href="#">Edit</a>
<input type="checkbox"/> NetC-MDF-Stack (9300x Stack)	Online	10.10.40.1	Network C	Serial number	Tag	Border	<a href="#">Edit</a>
<input type="checkbox"/> NetD-MDF-Stack (9300x Stack)	Online	10.10.30.1	Network D	Serial number	Tag	Border	<a href="#">Edit</a>

# Wi-Fi 7 for every operational scale



## CW9172

6 spatial streams

Omnidirectional

Ceiling mount and wall plate form factor



## CW9176I

12 spatial streams

Omnidirectional

10 Gbps, GPS, UWB



## CW9176D1

12 spatial streams

Integrated directional

10 Gbps, GPS, UWB



## CW9178

16 spatial streams

Omnidirectional

2x 10 Gbps, GPS, UWB

NEW



## CW9179F

16 spatial streams

Software-defined radios

2x 10 Gbps, GPS

Wi-Fi 7 | Global use AP | Unified license | AI optimized

Scales up to  
5,000 APs  
and 50,000 clients

Easy migration for  
existing LAN  
controller  
architectures

No need to  
re-cable, change  
VLANs, or disrupt  
operations

# Introducing The New Campus Gateway



AVAILABLE TODAY

## Cisco Campus Gateway

**Security fused into the Network**



# Security Fused into the Network



## Securing application access over the WAN

Protecting user access and application interactions

SASE/UZTNA

- Continuous identity, posture and risk assessment across every session



## Securing network connectivity

Safeguarding and optimizing network connections

Quantum-resistant:

- MACsec
- IPsec
- WAN MACsec



## Securing network access

Securing connectivity to the network

Authorization and scalable segmentation

- Identity services engine (ISE)
- Software defined access (SDA) and Security Group Tags (SGT)
- NGFW



## Securing the device

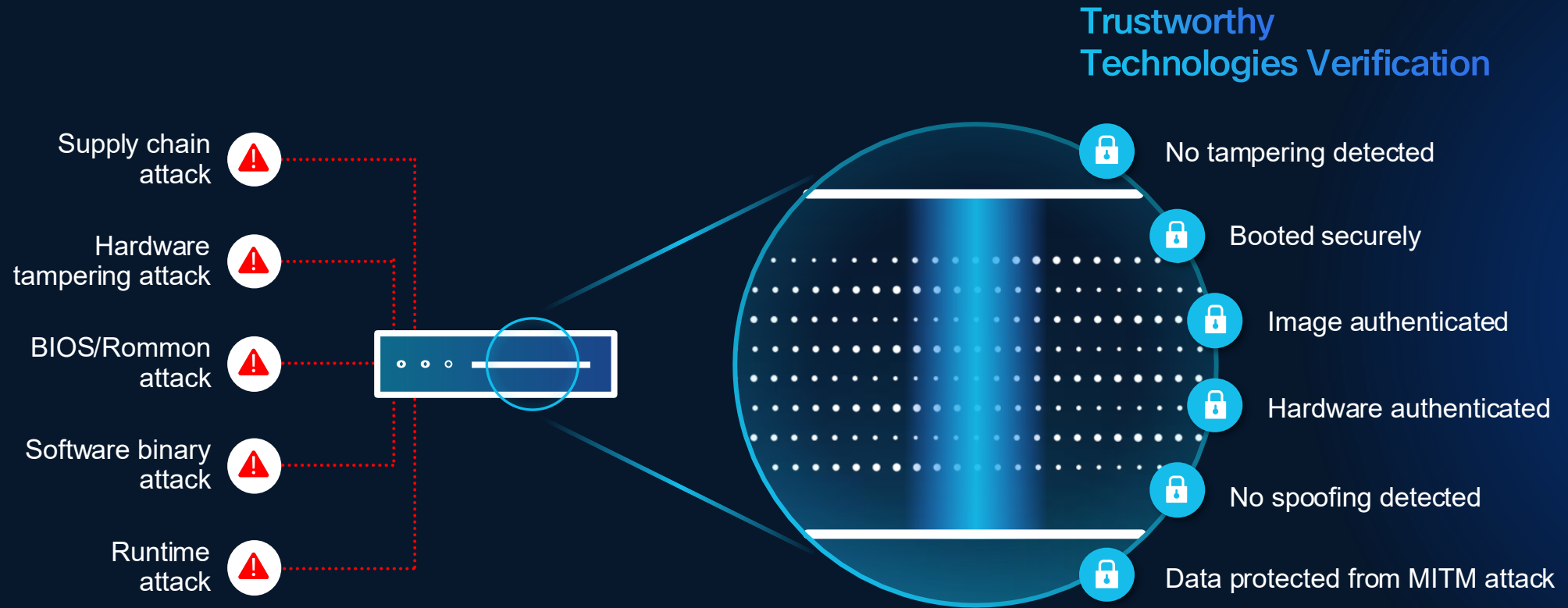
Protecting and ensuring compliance of devices

Quantum-resistant secure boot

Compensating controls

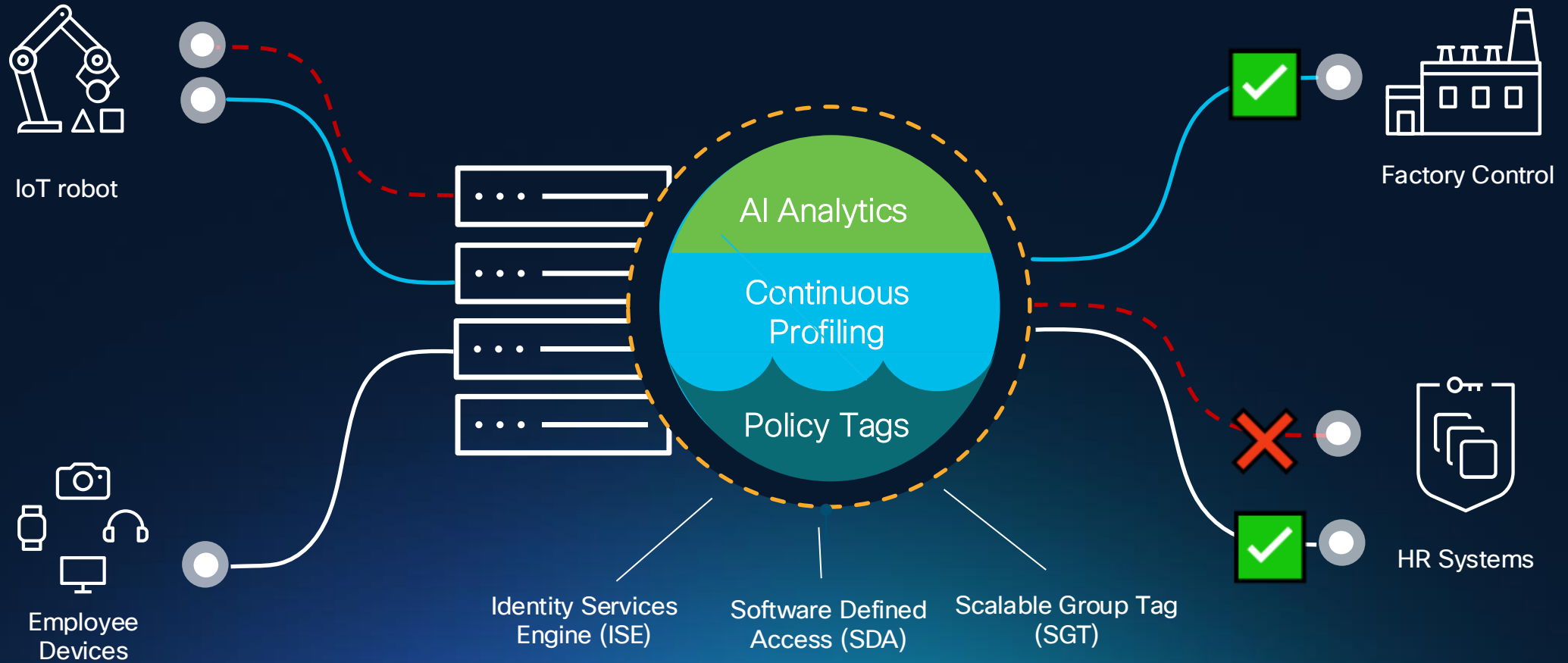
# Securing the device

Secure from hardware to software, from boot time to runtime



# Securing network access

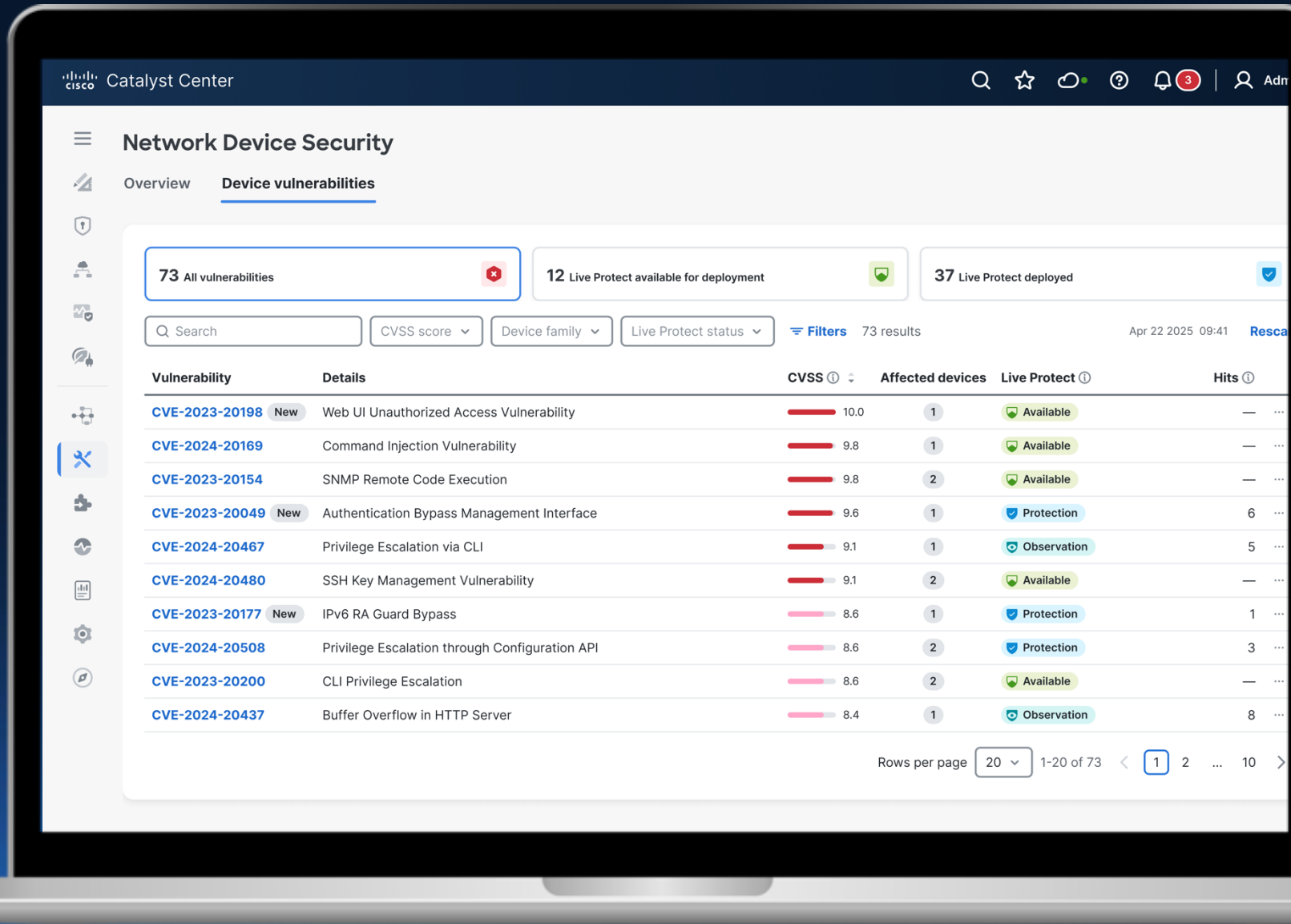
Scalable microsegmentation to protect every connection



FUTURE

# Live Protect

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



# Network Device Security

Overview Device vulnerabilities

73 All vulnerabilities \* | 12 Live Protect available for deployment ✔ | 37 Live Protect deployed ✔

Search  CVSS score  Device family  Live Protect status  **Filters** 73 results Apr 22 2025 09:41 [Rescan](#)

Vulnerability	Details	CVSS <sup>i</sup>	Affected devices	Live Protect <sup>i</sup>	Hits <sup>i</sup>
<a href="#">CVE-2023-20198</a> <span>New</span>	Web UI Unauthorized Access Vulnerability	<div style="width: 100%;"><div style="width: 100%;"></div></div> 10.0	1	<span style="color: green;">✔ Available</span>	—
<a href="#">CVE-2024-20169</a>	Command Injection Vulnerability	<div style="width: 100%;"><div style="width: 98%;"></div></div> 9.8	1	<span style="color: green;">✔ Available</span>	—
<a href="#">CVE-2023-20154</a>	SNMP Remote Code Execution	<div style="width: 100%;"><div style="width: 98%;"></div></div> 9.8	2	<span style="color: green;">✔ Pending</span>	—
<a href="#">CVE-2023-20049</a> <span>New</span>	Authentication Bypass Management Interface	<div style="width: 100%;"><div style="width: 96%;"></div></div> 9.6	1	<span style="color: blue;">✔ Protection</span>	6
<a href="#">CVE-2024-20467</a>	Privilege Escalation via CLI	<div style="width: 100%;"><div style="width: 91%;"></div></div> 9.1	1	<span style="color: blue;">✔ Observation</span>	5
<a href="#">CVE-2024-20480</a>	SSH Key Management Vulnerability	<div style="width: 100%;"><div style="width: 91%;"></div></div> 9.1	2	<span style="color: green;">✔ Available</span>	—
<a href="#">CVE-2023-20177</a> <span>New</span>	IPv6 RA Guard Bypass	<div style="width: 100%;"><div style="width: 86%;"></div></div> 8.6	1	<span style="color: blue;">✔ Protection</span>	1
<a href="#">CVE-2024-20508</a>	Privilege Escalation through Configuration API	<div style="width: 100%;"><div style="width: 86%;"></div></div> 8.6	2	<span style="color: blue;">✔ Protection</span>	3
<a href="#">CVE-2023-20200</a>	CLI Privilege Escalation	<div style="width: 100%;"><div style="width: 86%;"></div></div> 8.6	2	<span style="color: green;">✔ Pending</span>	—
<a href="#">CVE-2024-20437</a>	Buffer Overflow in HTTP Server	<div style="width: 100%;"><div style="width: 84%;"></div></div> 8.4	1	<span style="color: blue;">✔ Observation</span>	8

Rows per page  1-20 of 73 <  2 ... 10 >

# Challenges in the branch

**Growing  
operational  
complexity**



**Rising security  
vulnerabilities**



**Lean IT teams &  
talent shortages**



**Demanding apps  
and new AI  
workloads**



# Accelerate Innovation with Network Automation

Up to

**90%**

reduction in time to  
launch new services.

Up to

**70%**

reduction in OpEx for  
service delivery.

**50%**

fewer provisioning  
steps with automation

Source: [ACG Research](#)

**This requires a new  
branch architecture**

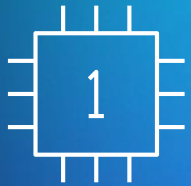


# Architecture for Unified Branch

**Operational simplicity**  
powered by AI



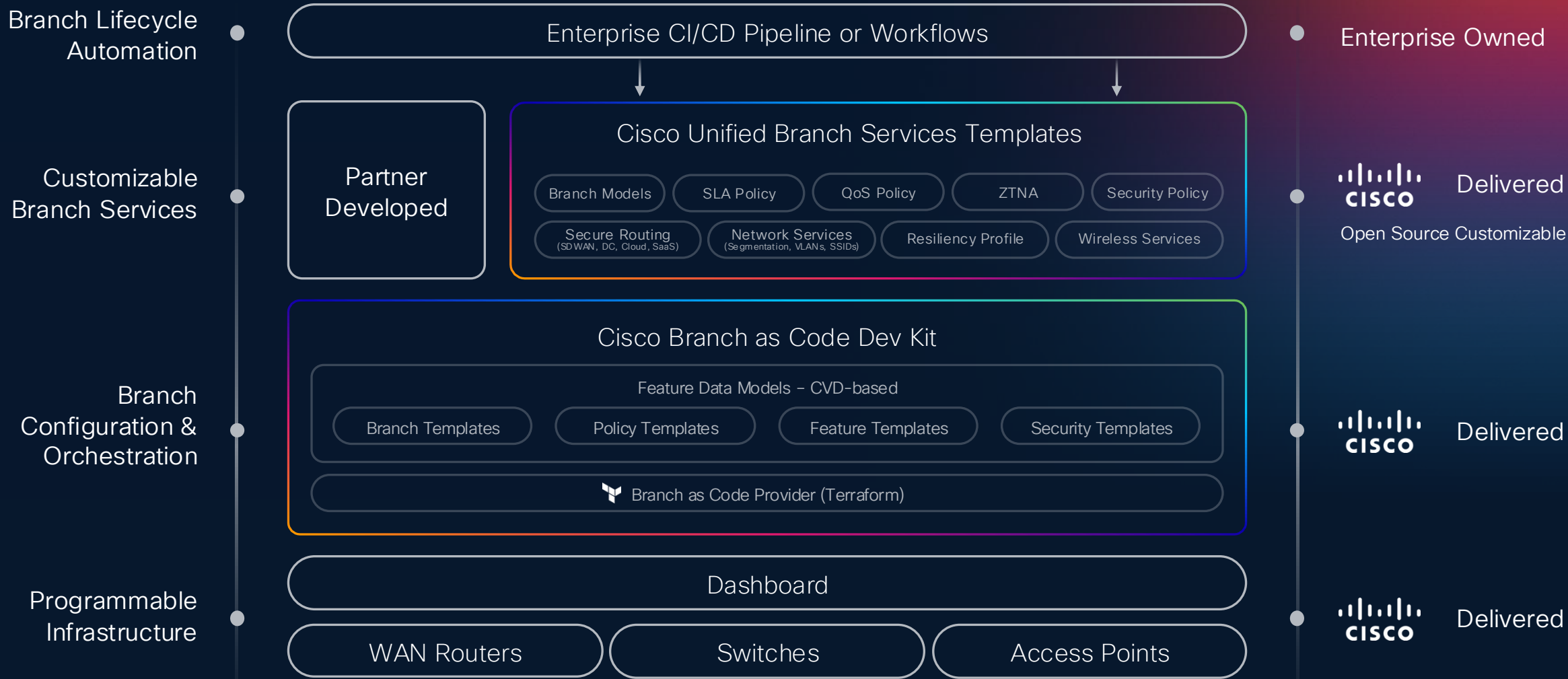
**Scalable devices**  
ready for AI



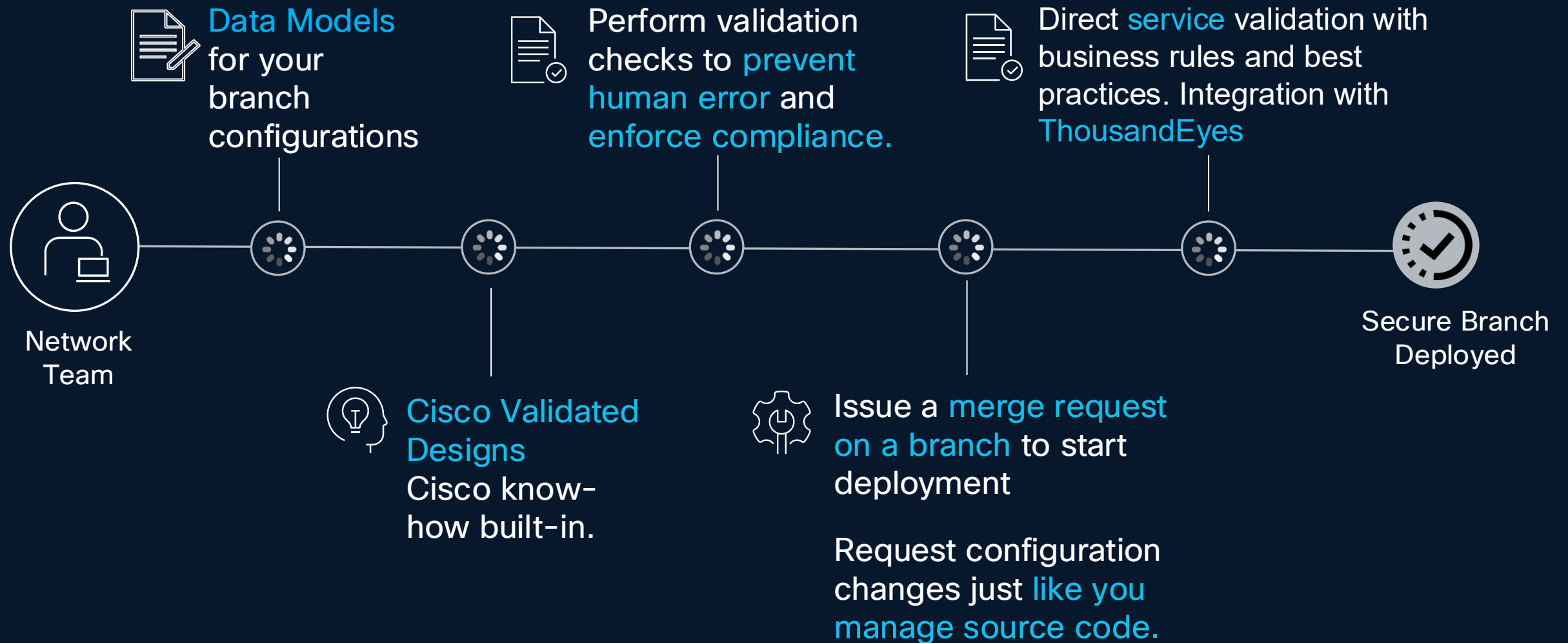
**Security**  
fused into the network



# Introducing Unified Branch: Platform led Secure Networking Architecture



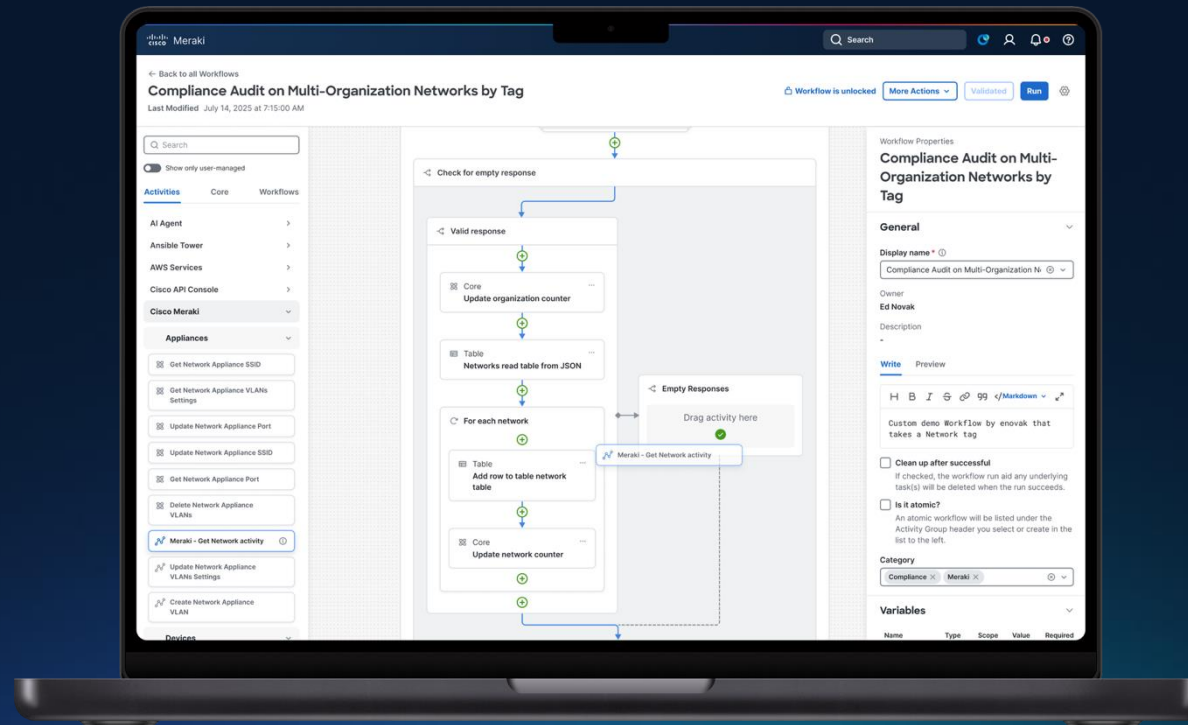
# Unified Branch-as-Code Workflow



# Introducing Workflows for Cisco Networking

## AI-ready network automation

Low code/no code free automation tool integrated within the Meraki Dashboard



Cloud-Hosted  
Automation

Drag and Drop  
Creation / Editing

Custom and  
Pre-Built

For Cisco & Third-  
Party Domains

# Network automation for Cisco and third-party applications



Automate tasks across Catalyst Center and SD-WAN, Meraki, ISE, ACI, Nexus, and more.

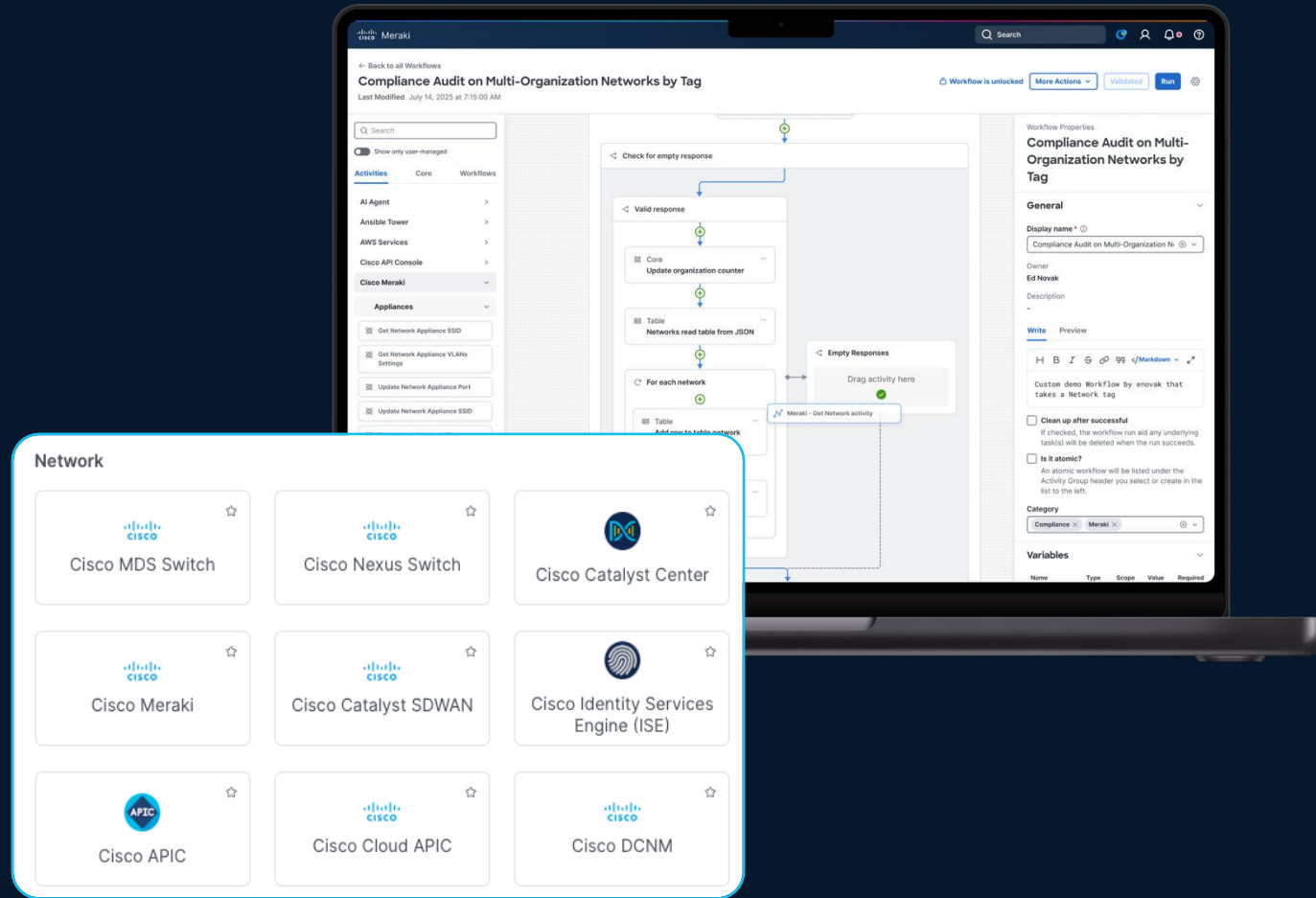


Integrate third-party applications such as ServiceNow and Jira with Cisco domains.



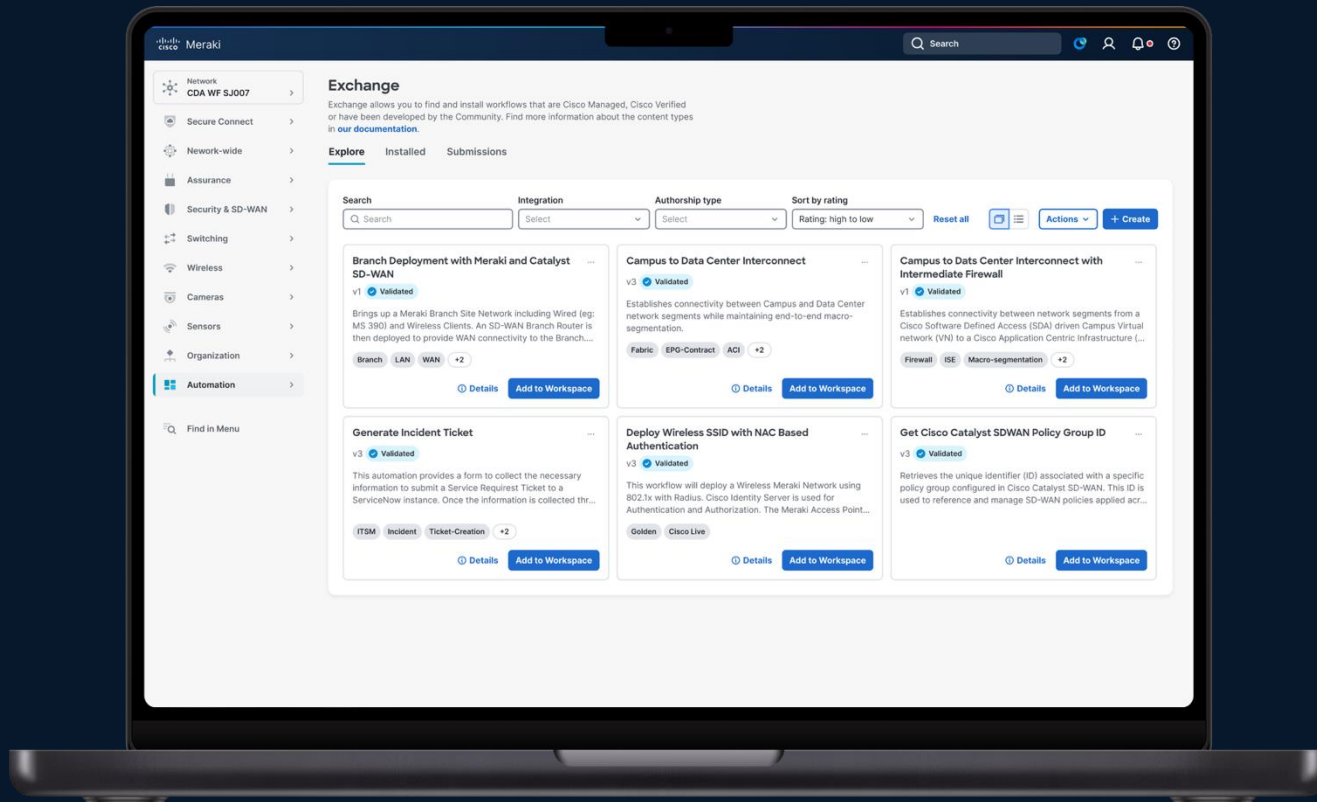
Connect cloud and on-premise controllers to extend automation across the Cisco portfolio and beyond.

# Drag and drop your automation



Bring your automation design to life with an intuitive drag-and-drop interface. Adapters provide automation capabilities across the Cisco portfolio. Each adapter contains a range of validated actions that can be automated across respective controllers.

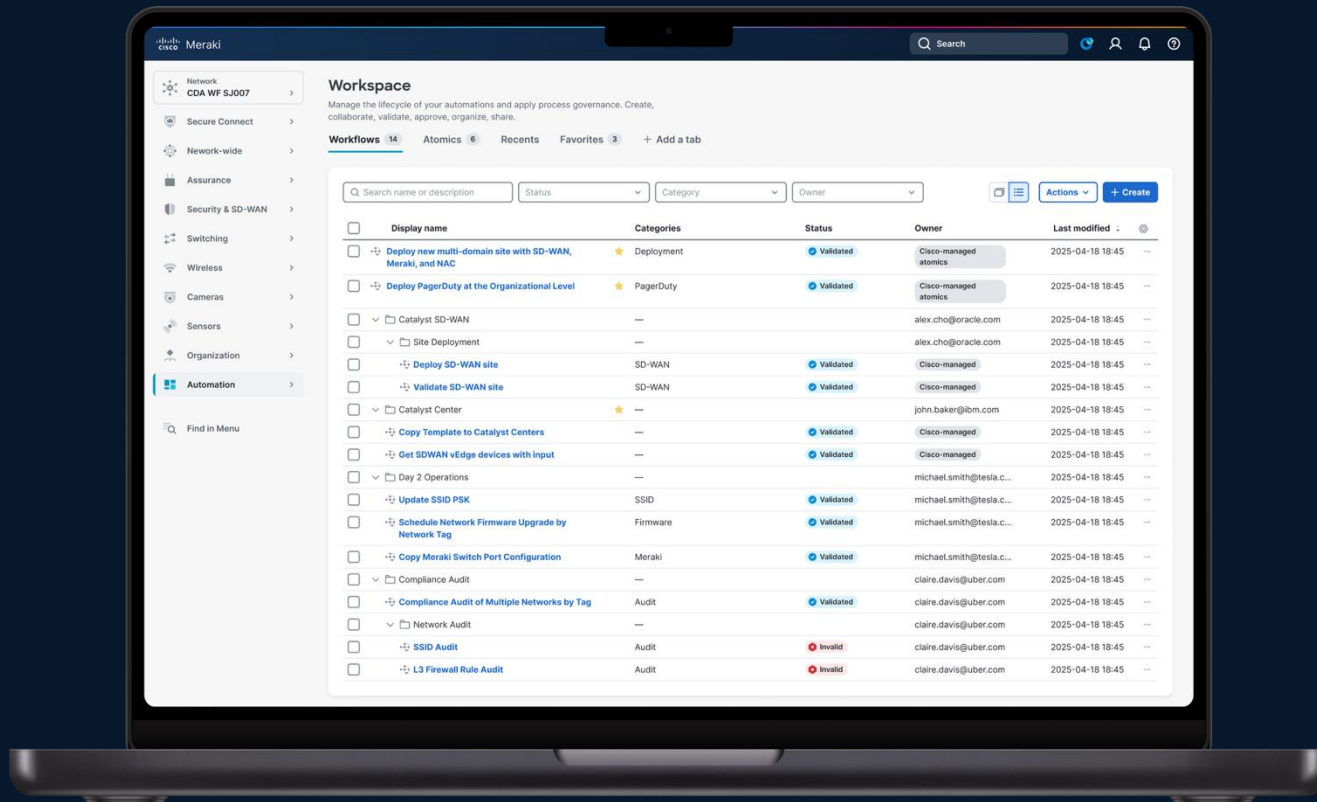
# Browse the Exchange



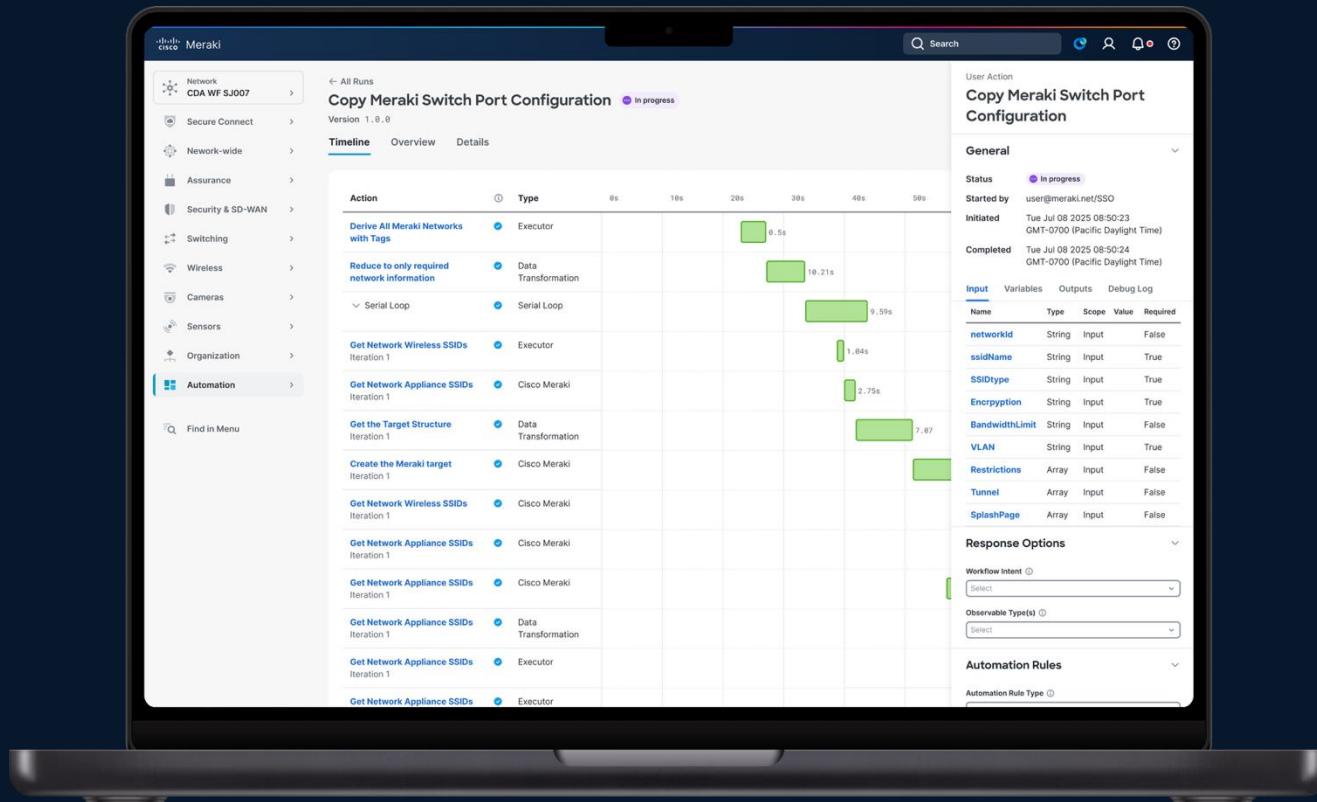
Workflows features an exchange of pre-made automations that solve common use cases. These automations can be run as is or easily customized in the drag-and-drop workflow editor. We frequently update our library with new, free automations.

# View workflows in one place

Manage the lifecycle and status of your automations in the Cisco Meraki dashboard. Oversee processes and approve, collaborate, and validate parameters all in one place.



# Monitor progress for active runs



Get insight into active automations from Workflows in the Automation tab in the Cisco Meraki dashboard. Monitor runs, see statuses, identify targets, troubleshoot errors, and keep logs for compliance and visibility.

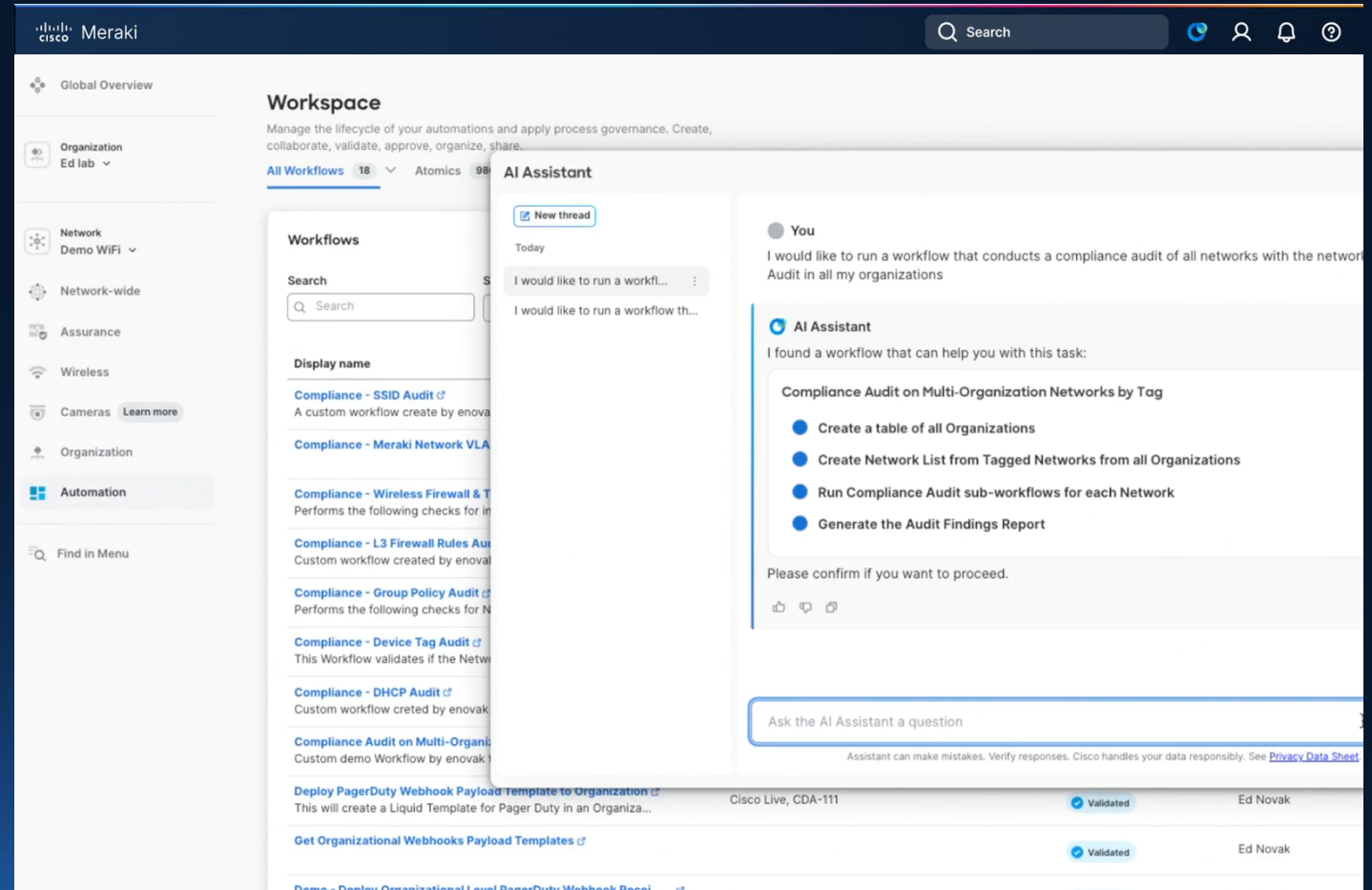
# Workflows is fully integrated with Cisco AI Assistant

Leverage built-in AI Assistant integration for agentic operations using natural language

Faster workflow creation

Streamlined operations

Accelerated outcomes



- Global Overview
- Organization SEMA SE Lab
- Network MK-Lab
- Secure Connect
- Network-wide
- Assurance
- Security & SD-WAN
- Switching
- Wireless
- Sensors
- Insight
- Organization
- Security **New**
- Automation

## Clients

View old version  
+ Add client

**Uplinks** 2 total

All Online

**WAN appliances** 1 total

All Online

**Switches** 2 total

All Online

**Access points** 3 total

1 Online



Search for clients Status, type, OS Connected to VLAN Policy Tunneled through 19 results Download

Status	Description	Last seen (UTC-4)	Usage	Device type, OS	IPv4 address	IPv6 address	IPv6 address (link local)	Policy	Connected to
Wired	mk-ms130-12x-b8ab61e45a7f	Oct 27 2025 14:02	394.91 MB	Cisco Meraki	192.168.39.183	—	—	Normal	Device removed from network
Wired	c9800-cl.sema-lab.net	Oct 27 2025 15:10	3.98 GB	Cisco Systems	192.168.39.25	—	—	Normal	MK-C9300X-CORE
Wired	cc:6e:2a:fd:05:60	Oct 27 2025 15:10	1.75 MB	Cisco Meraki	192.168.39.2	—	—	Normal	MK-MS130-12X
Wired	74-8f:c2:e3:f2:d7	Oct 27 2025 15:10	20.36 GB	Cisco Systems	192.168.38.2	—	—	Normal	MK-C9300X-CORE

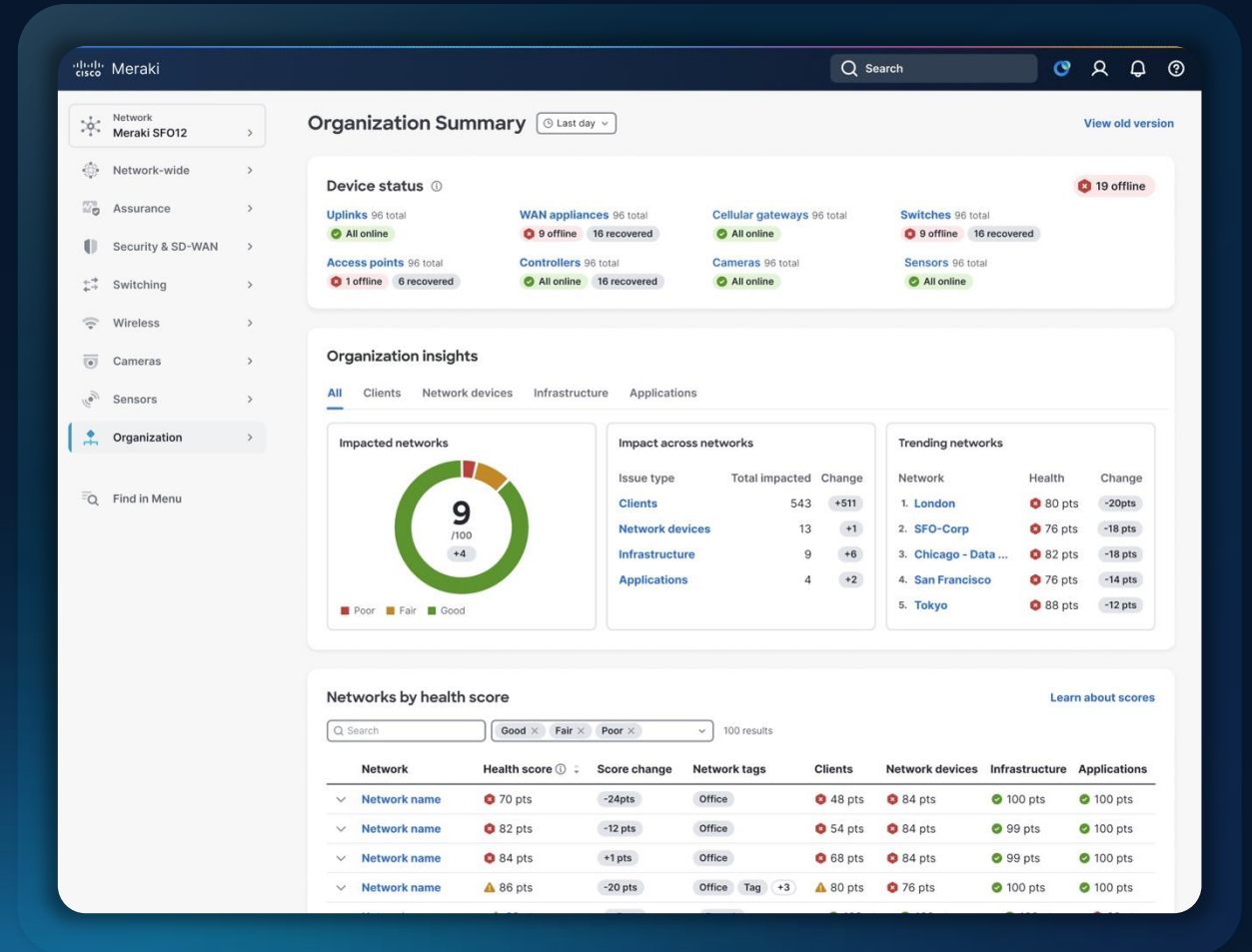


# Unified Management – Catalyst and Meraki, any environment

Seamless control across cloud, on-prem, or hybrid

AI-powered automation and assurance

Granular access policy by user, device or application



**Scalable branch devices ready  
for AI**

More throughput to support increased traffic to data center

Advanced embedded NGFW for secure branch connectivity

Post-quantum secure

DevOps style Branch-as-code for rapid deployment

# Introducing Secure Routers for the AI-powered unified branch



## Cisco 8000 Secure Routers

# Cisco 8000 Series Secure Routers for every size location



## Small Branch: 8100

4 Variants

IPsec:  
Up to 1.5 Gbps

SD-WAN:  
Up to 1 Gbps

Threat Protection:  
Up to 1 Gbps



## Medium Branch: 8200

2 Variants

IPsec:  
Up to 5 Gbps

SD-WAN:  
Up to 4 Gbps

Threat Protection:  
Up to 2.5 Gbps



## Large Branch: 8300

2 Variants

IPsec:  
Up to 20 Gbps

SD-WAN:  
Up to 15 Gbps

Threat Protection:  
Up to 7 Gbps



## Campus: 8400

3 Variants

IPsec:  
Up to 45 Gbps

SD-WAN:  
Up to 23 Gbps

Threat Protection:  
Up to 11 Gbps



## Data Center: 8500

2 Variants

IPSec:  
Up to 45 Gbps

SD-WAN:  
Up to 23 Gbps

Route Scale up to 8M

# Deliver exceptional branch experiences

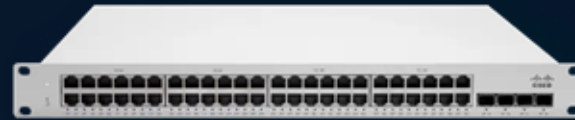
Smart Wi-Fi 7 access points and cloud-managed switches

Sustainable and energy efficient designs

Make every space smarter



Cisco Wireless Wi-Fi 7



Cloud-managed Switching



**Security fused into the network**



# Security fused into the branch network

Securing users, things,  
and agents UZTNA/SASE



Securing network access



Securing network connectivity



Securing the device



# Cisco eases your journey to a future proof secure branch



\*when combined this is known as SASE architecture

# SASE: Secure Access integrated with Cisco SD-WAN

Your security strategy for a hyper-distributed world

## SASE

Secure  
SD-WAN

Converged set of cloud networking

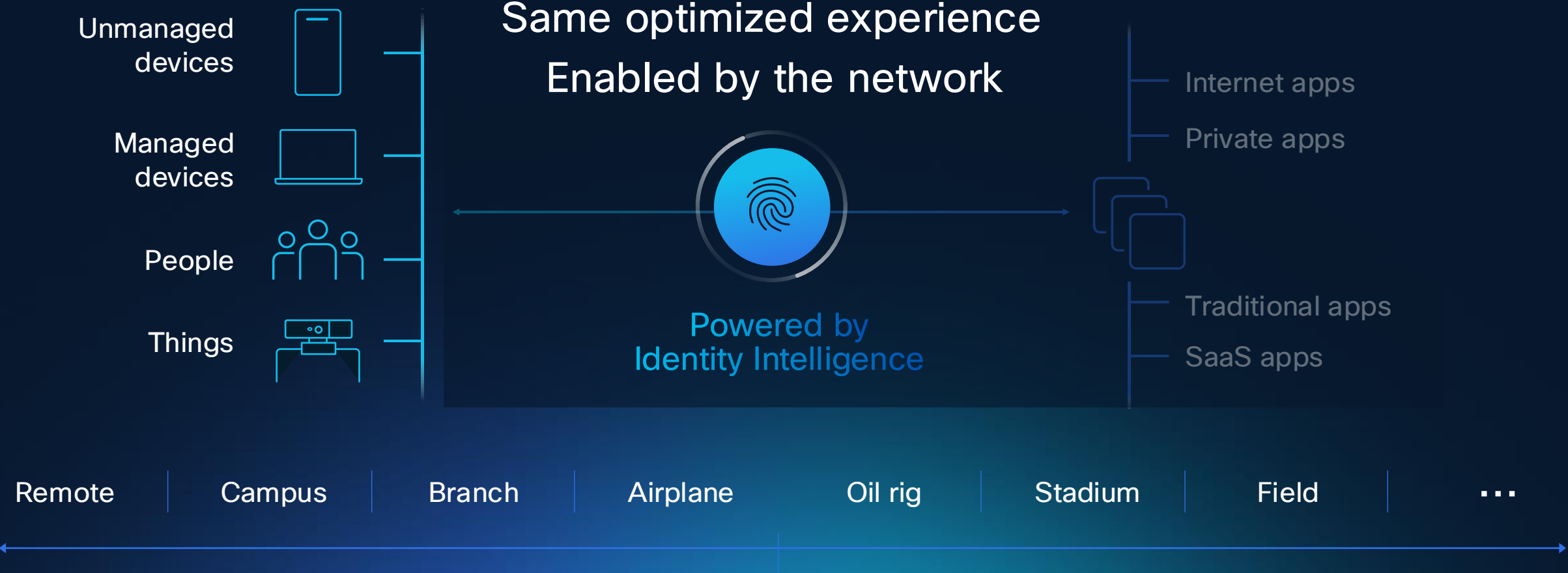
+

Security  
Service Edge

Converged set of cloud security

End-to-end Assurance with ThousandEyes

# Securing Users, Device access to Apps with Universal ZTNA from Cisco



**CISCO** Connect

**Thank you**



