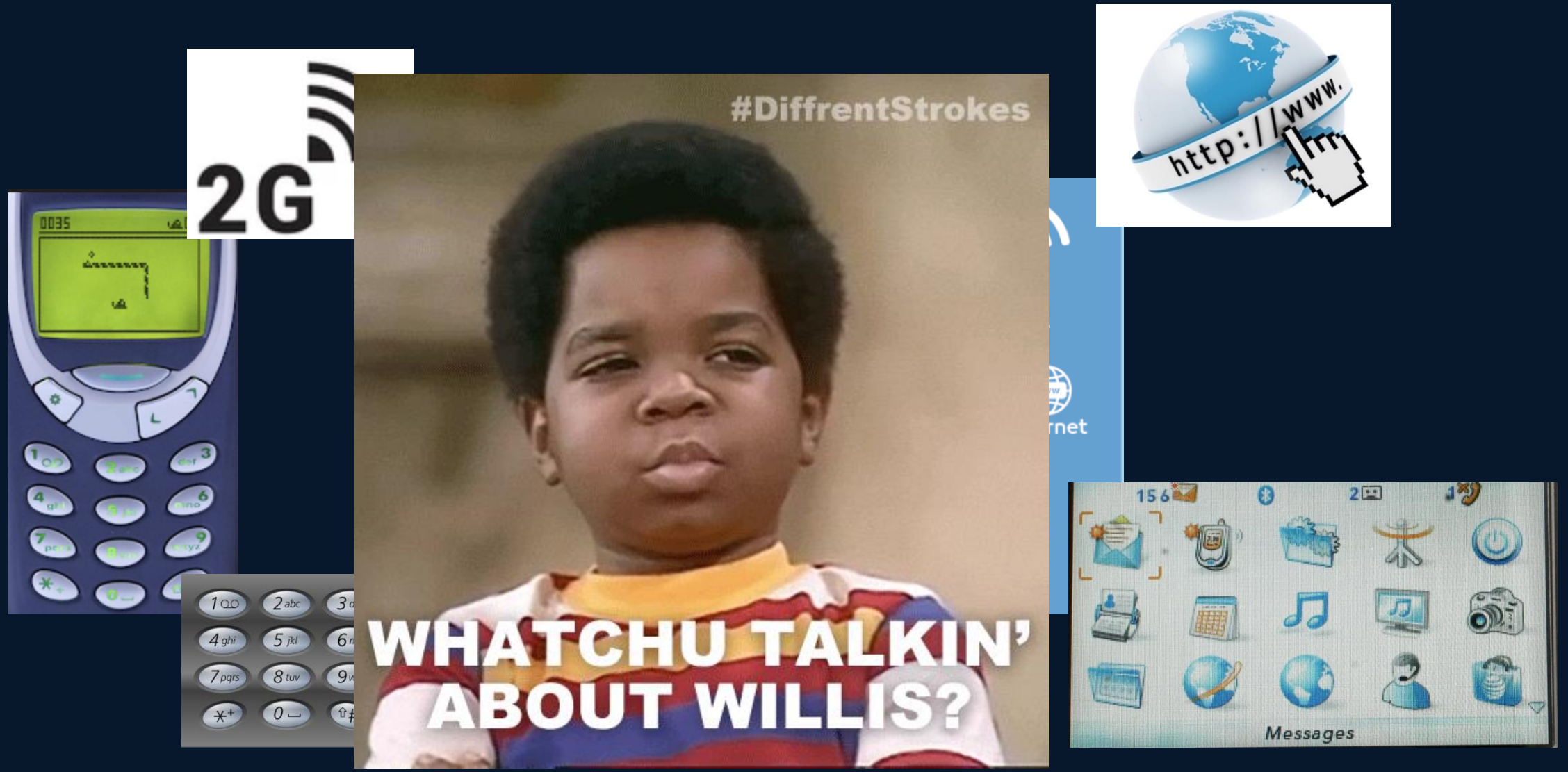
CISCO Engage | Tech Day

Unified Campus Experience:

Manage your Catalyst infrastructure in the cloud, harnessing AI and automated workflows

Dylan Thompson
Cisco Solutions Engineer

December 11, 2025



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← Switches

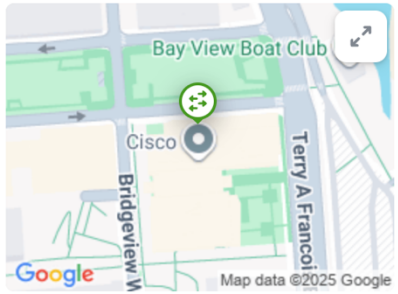
View old version

MS_TOR_9300 [1]

Online | Configuration source: Device

C9300-24U 34:f8:e7:f0:02:00

Summary | Ports | Cloud CLI | Device Health | Event log | Location



Address
500 Terry A Francois Blvd, San Francisco CA

Serial number
FCW2239C1HR
Q5TC-BZDP-VV4L (Cloud ID)

Device uptime
162d 15h 53m
Last device boot Jun 28 19:39:08 (PDT)
Last boot reason View in Event log

Firmware
IOS XE 17.15.1

LAN IPv4
172.16.1.2

Type
Statically assigned

Interface
Vlan 2

Public IP
192.195.83.205

CLI terminal

Close terminal | Detach terminal

```
Welcome to the interactive CLI IOS XE terminal
You are in Read-only Mode

Establishing connection to your device. Please wait...
Connection established successfully

MS_TOR_9300>
```

Session History

Start time...	Complete time (UTC)	User	Session type	Session log
Dec 4, 2025 16:04:22	Dec 4, 2025 16:04:31	MerakiSupport_wru3Rd	Read-only	Download
Dec 4, 2025 16:02:54	Dec 4, 2025 16:04:18	MerakiSupport_wru3Rd	Read-only	Download
Nov 19,	Nov 19, 2025	MerakiSupport_cnVRjb	Read-only	Download

AI Assistant

Meet your AI Assistant

We keep your data safe and secure
Learn how personal data is processed when using the AI Assistant in our AI Assistant disclosures. Remember to always use the AI Assistant in accordance with your company's AI use policies.

- Network Overview
- Troubleshooting
- Client & device insights
- Policies & Configuration

Ask the AI Assistant a question

Assistant can make mistakes. Verify res

Help Center

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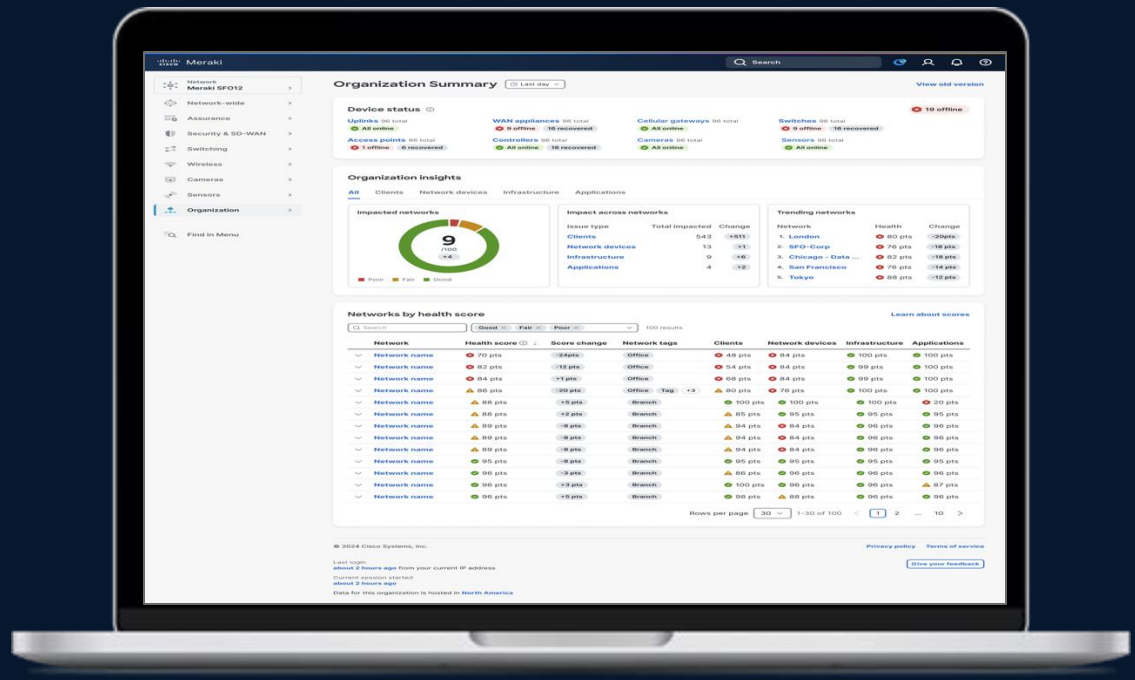
Cisco Networking Cloud

94% of customers save time from a **single, easy-to-use dashboard**



Platform Turbocharged with **fully integrated AI/ML**
offered by the **largest Cloud SaaS Networking Provider**

Access

- Wi-Fi
- Switching
- Mobile Device Management

Edge

- Security and SD-WAN
- Cellular gateways
- ThousandEyes

IoT

- Smart cameras
- Sensors
- IIoT

Cisco Security

- Cisco Secure Access SASE
- Cisco Secure Endpoint, IPS/IDS, Talos Content Filter, XDR
- Access Manager, Cisco ISE - NAC
- Cisco Secure Client

APIs and Ecosystem

- Open Standard APIs
- Cisco Spaces
- Cisco Marketplace

Trusted Everywhere

5M+
Customer networks

15.8M+
Meraki devices online

190+
Countries in network

12B+
External API monthly calls

708M+
Daily end-user devices

250M+
Daily splash pages served

835K+
Customers

99.99%
Cloud SLA

100K+ Active devices for 5+ customers, each

285K+ Access points deployed for a single customer

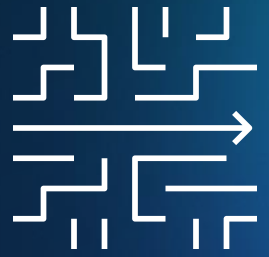
75%

Fortune 500 companies are Meraki customers

97% retention

Realize continuous value from the Meraki® platform

Operational simplicity powered by AI

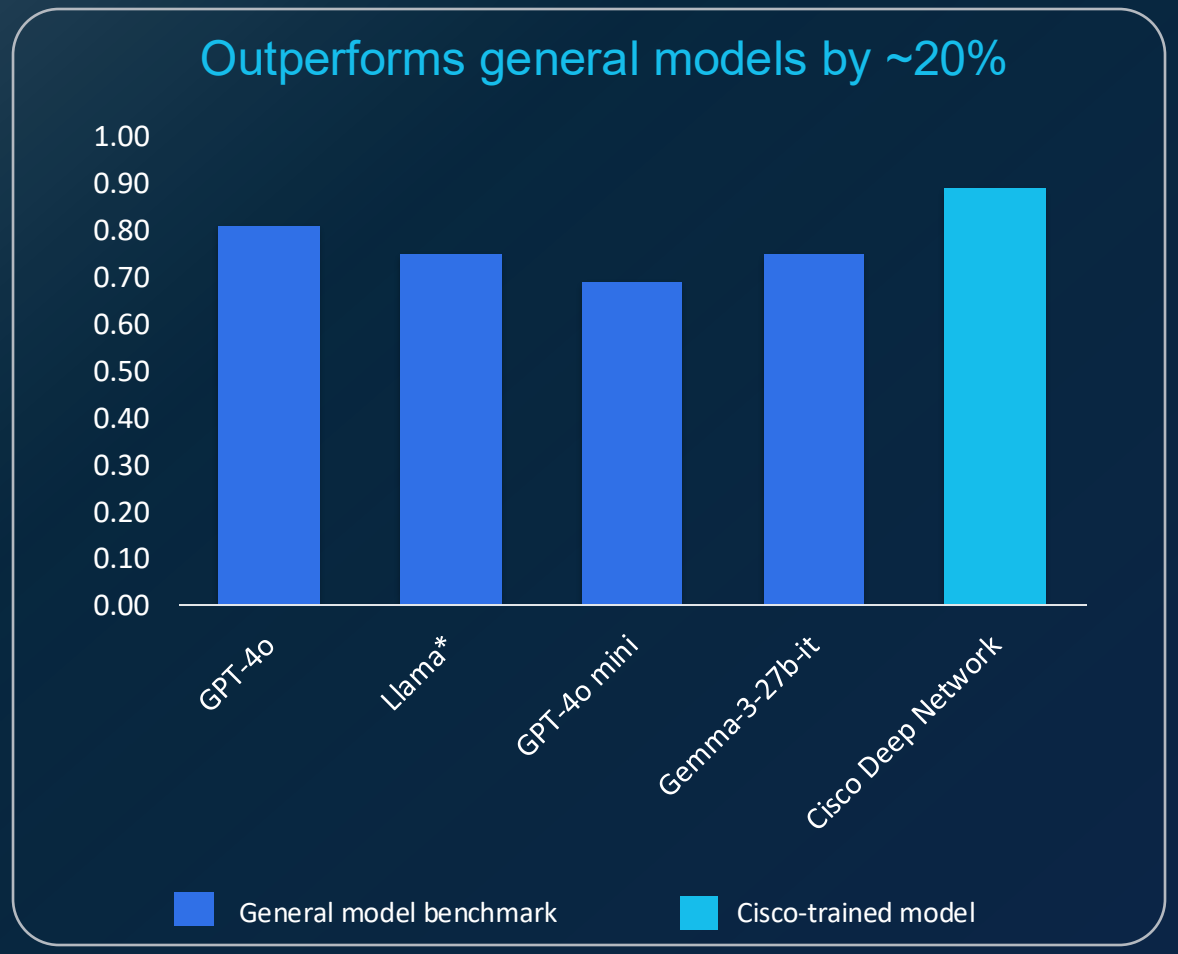


Deep Network Model
The most advanced networking LLM

Purpose-Built for Networking
Up to 20% more precise reasoning for troubleshooting, configuration, and automation.

Trusted Training
Fine-tuned on 40+ years of Cisco expertise and expert-vetted for accuracy.

Continuous Learning
Evolves with live telemetry and real-world Cisco TAC and CX insights.



Accuracy on CCIE-style MCQs (590-question benchmark, May 2025)
*3.2-90B-Vision-instruct

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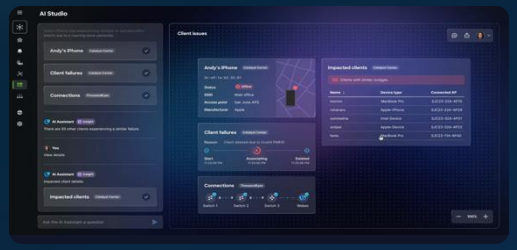
AgenticOps
The New Standard for IT Operations

ALPHA I OCTOBER



AI Canvas

Cross-domain collaborative troubleshooting

CONTROLLED RELEASE I 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.

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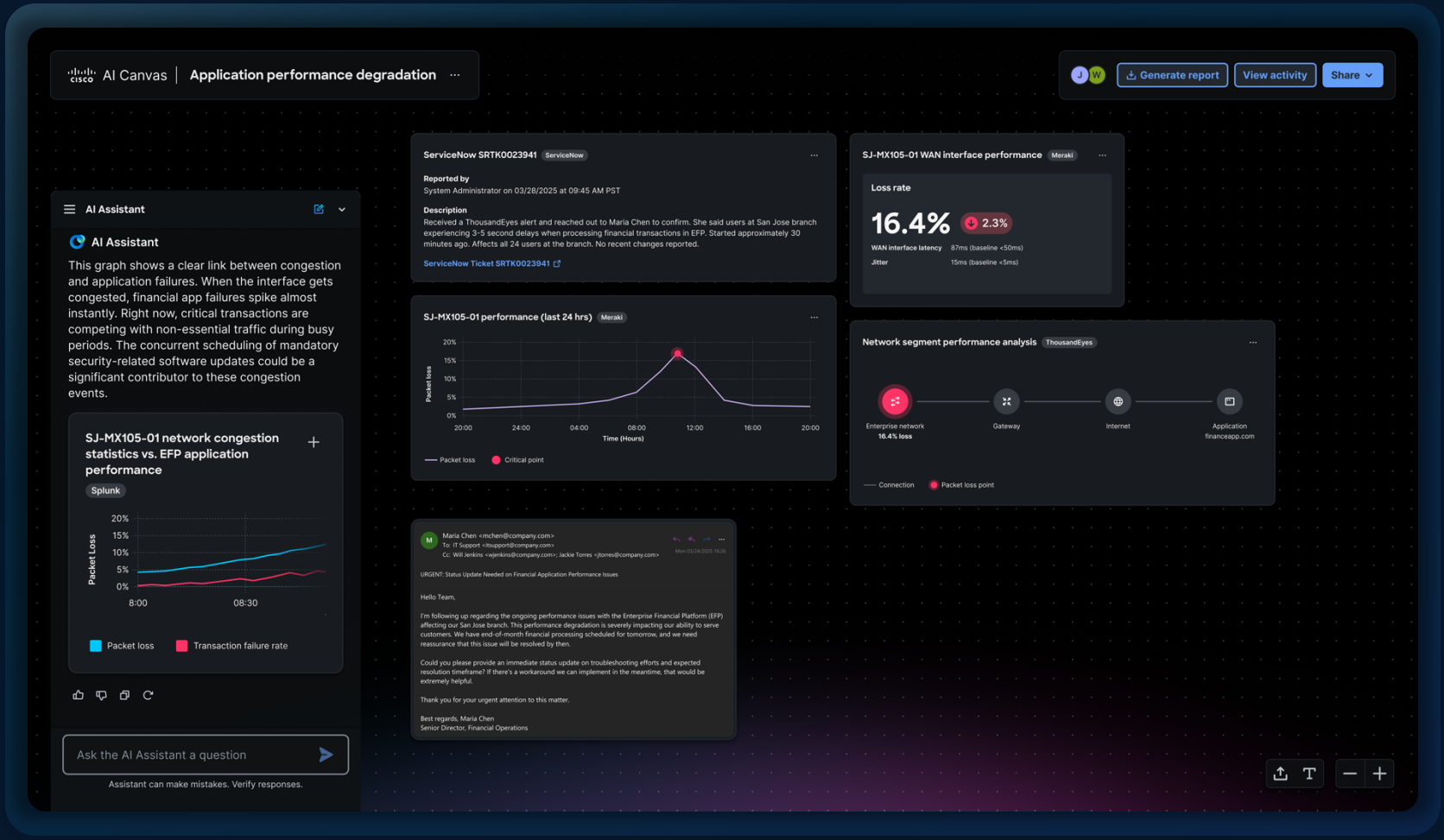
ALPHA | OCTOBER

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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AI Canvas | Troubleshoot a Ticket ···

Generate report | View activity | Share

AI Assistant

AI Assistant

ServiceNow SRTK0023941 ServiceNow +

ServiceNow Ticket Details:

Reported by: System Administrator on March 28, 2025 09:45 AM PST

Issue: Application performance degradation at Online Boutique - Chicago Branch

Description: Received a ThousandEyes alert and reached out to Maria Chen to confirm. She said users at branch experiencing frequent transaction failures and timeouts in EFP. Started approximately 30 minutes ago. Affects all 24 users at the branch. No recent changes reported.

Affected Service: Online Boutique Financial Service

URL: https://online-boutique-us-chicago.com/transactions

Incident Type: Network Performance

Priority: P1

ID: 234945

Automated diagnostics: [Meraki

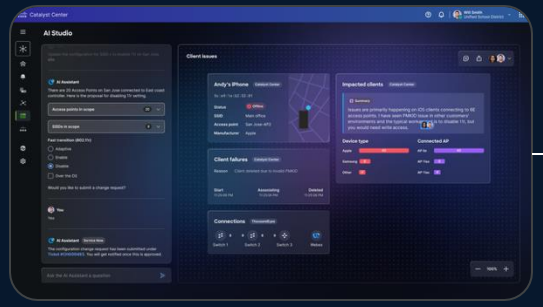
Ask the AI Assistant a question

Assistant can make mistakes. Verify responses.

AgenticOps with cross-product skills and unified data

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

ISE

Authentication Insights

Secure Access

Private & SAAS Resource Access

Firewall

Security & connection events

Duo

Authentication & compliance

XDR

Related Threat Incidents

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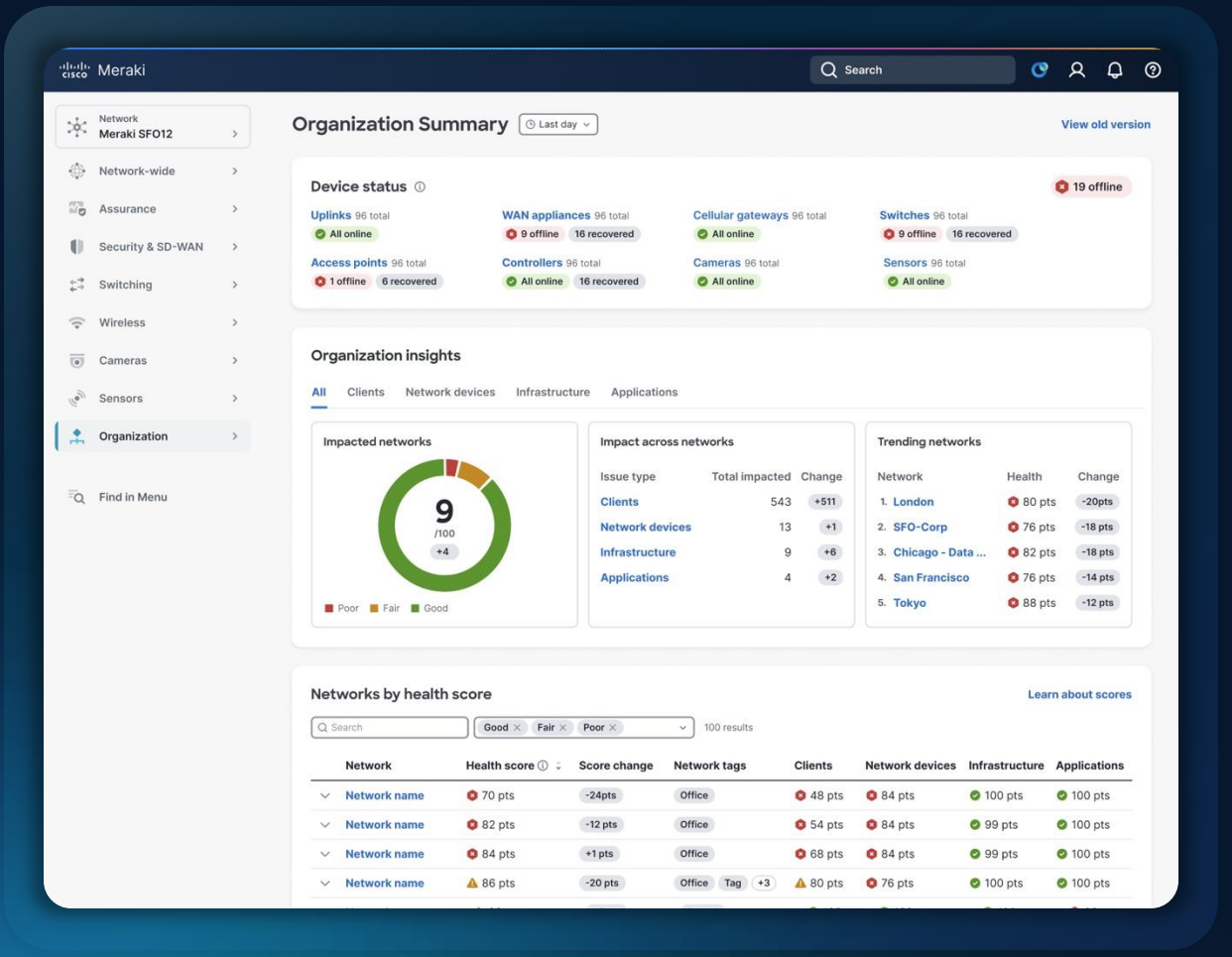
Unified Management – Catalyst and Meraki, any environment

- Seamless control across cloud, on-prem, or hybrid
- AI-powered automation and assurance
- Granular access policy by user, device or application



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Expanded cloud management for networking portfolio

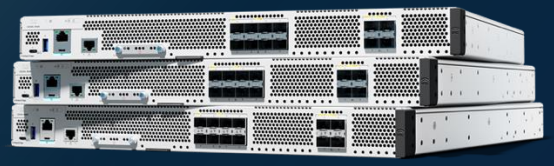
Wireless

Full wireless support

Scale large campus wireless with Campus Gateway

Switching

Expanded management for access and core switching, including C9200 and C9500



Routing

Next-gen routing support coming

Cloud management powered by cloud-native IOS XE

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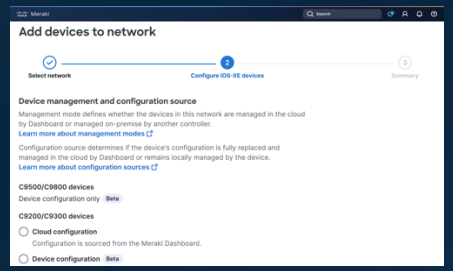
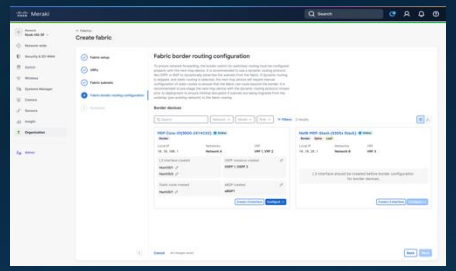
Large campus cloud capabilities

Powerful Switching Capabilities



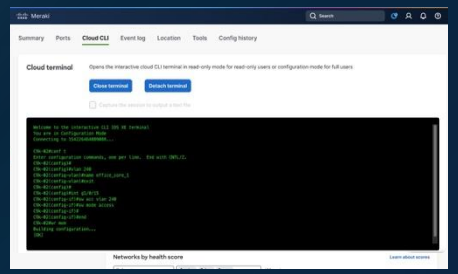
Support campus deployments with BGP, VRF, ISSU, and IOS XE stacking

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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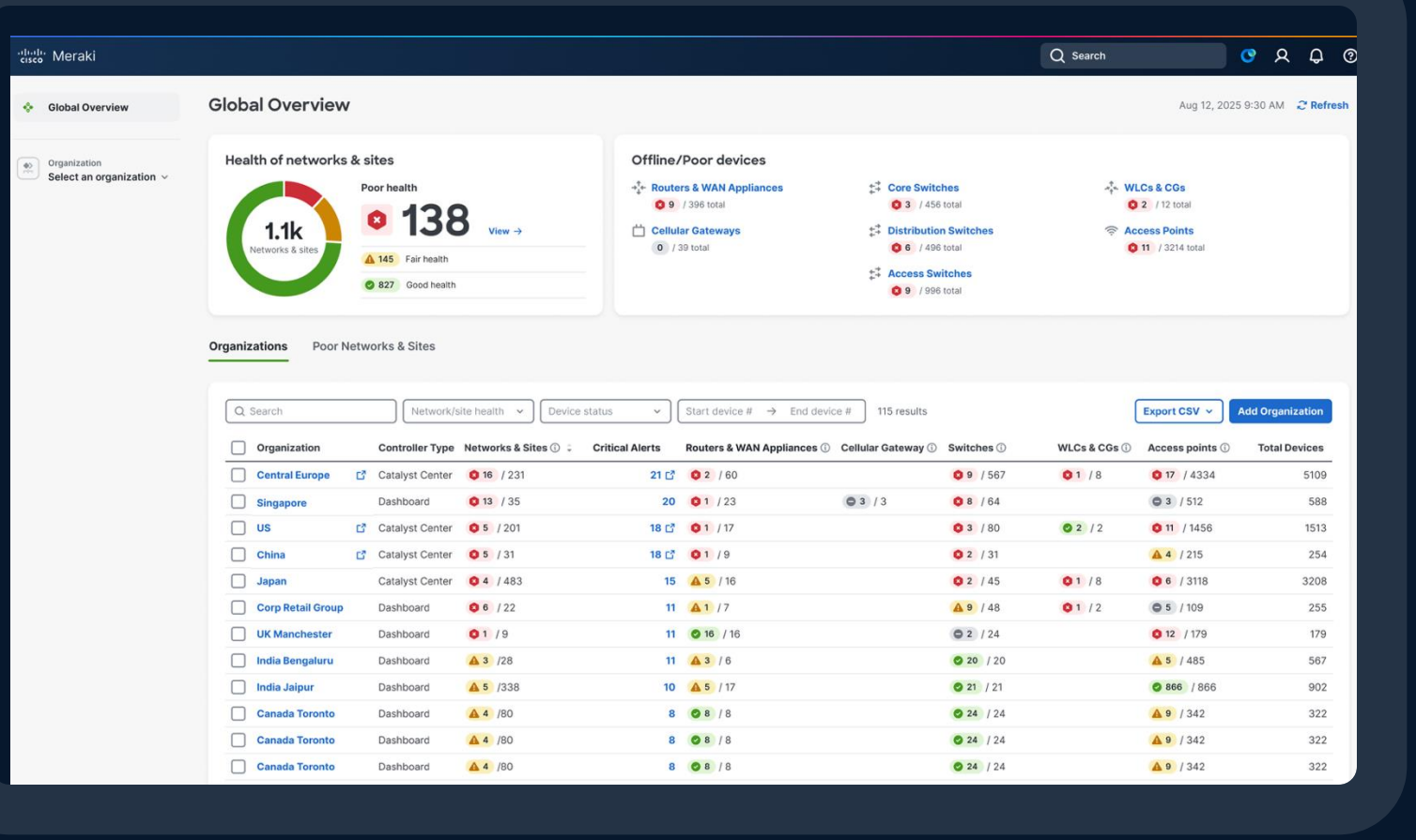
01 | Global Overview

One single view into Meraki and Catalyst Center

Troubleshoot seamlessly with global alerts and single-click access

BETA | NOVEMBER



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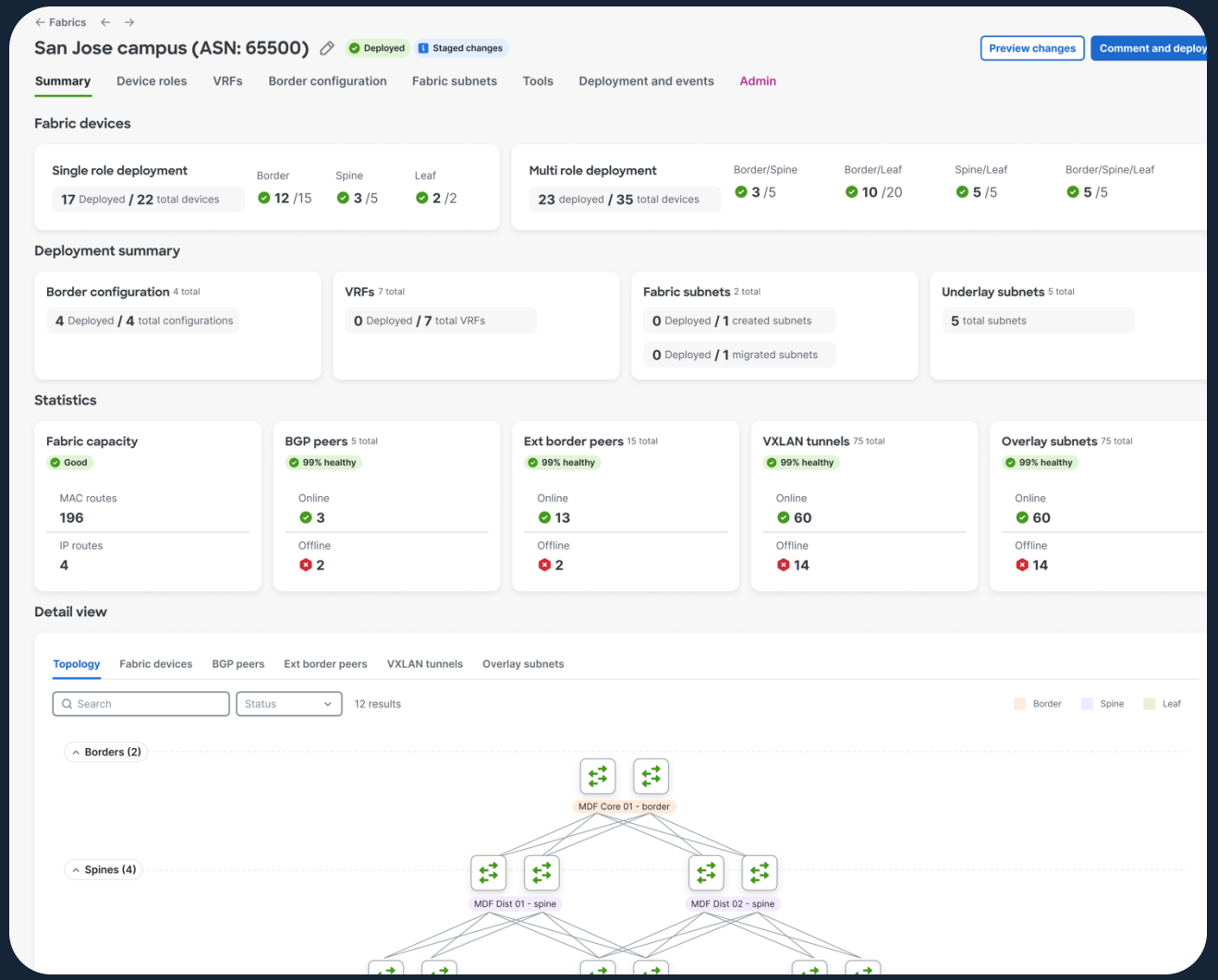
02 | Cloud-managed fabric

Scalable, Secure, and Sophisticated Segmentation

Fast, secure fabric orchestration to simplify large site management from the cloud

BETA | TODAY



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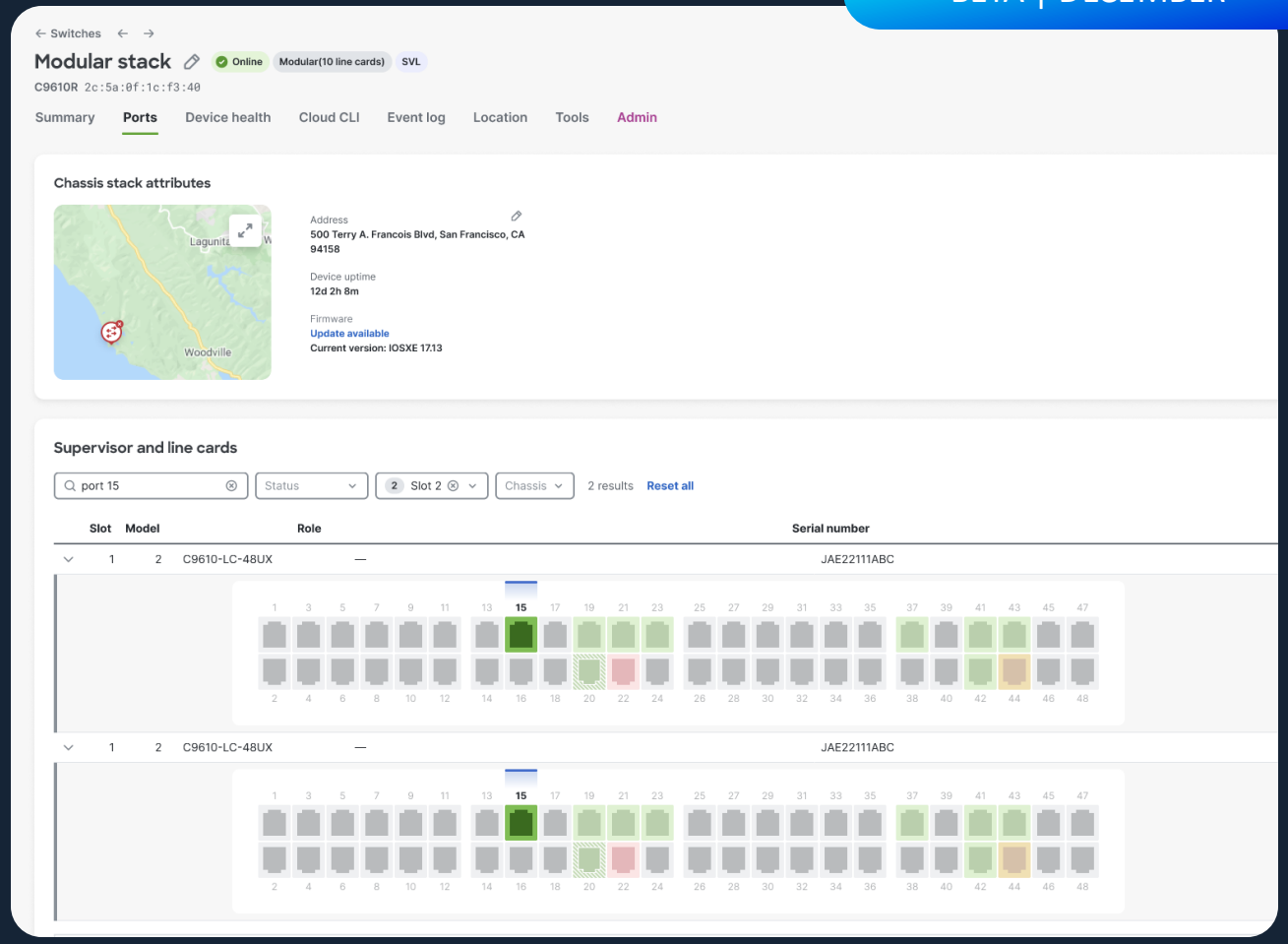
03 | Cloud-managed switching

Cloud management for all IOS XE switches

Sophistication, simplicity, and scale, in a single view

Expanding cloud management support into modular core switches

BETA | DECEMBER



C9610 Smart Switches

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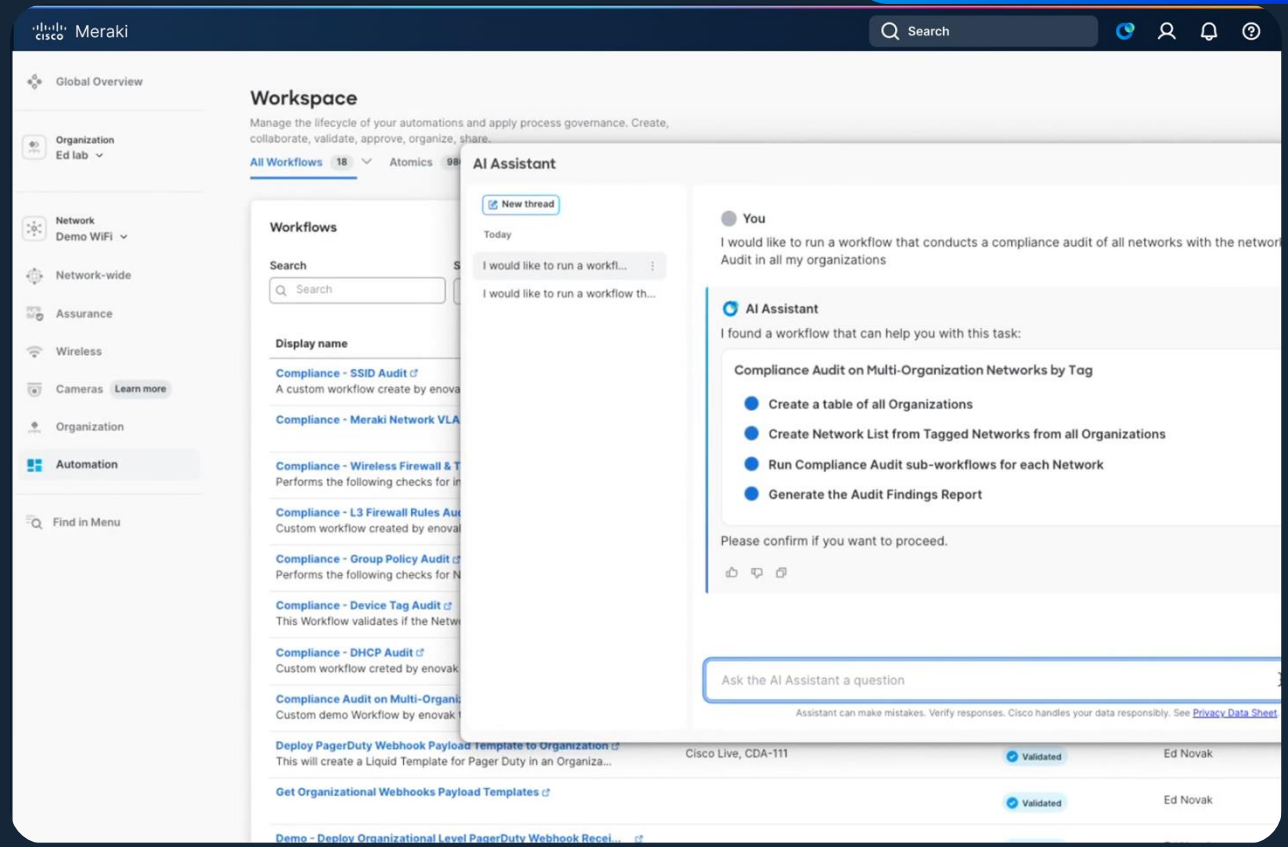
04 | Agentic Workflows

Accelerate cross-domain deployments with AI Assistant

AVAILABLE | TODAY

Automate workflows across Meraki, Catalyst Center, Catalyst SD-WAN Manager, ISE, Nexus, and more



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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

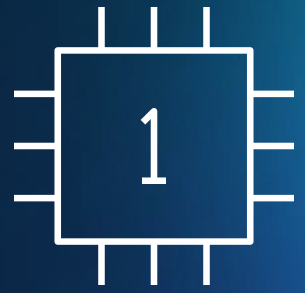
2 items selected Select all — Remove role | Edit role

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	

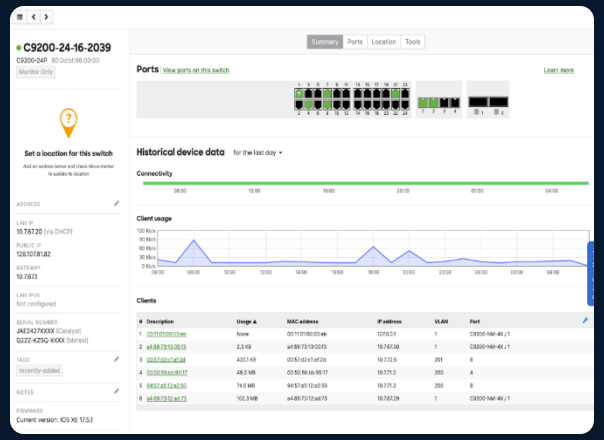
Rows per page 30 | 1-30 of 300 | 1 2 ... 10

Cancel All changes saved — Next

Scalable devices ready for AI

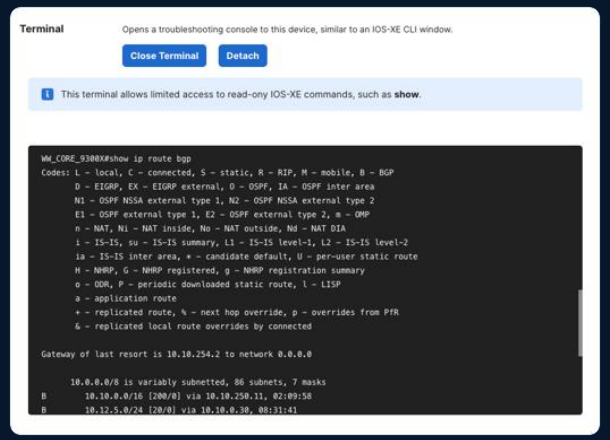


We are now making it simpler to choose how you experience our platform



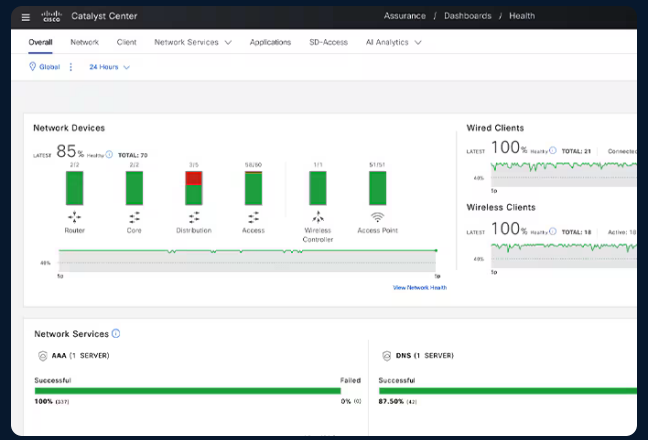
Configuration: Cloud

via Meraki dashboard



Configuration: Device

via Meraki dashboard and CLI



On-Premise Management

via CLI and Catalyst Center

One Device, One License, One OS, Multiple Ways to Manage

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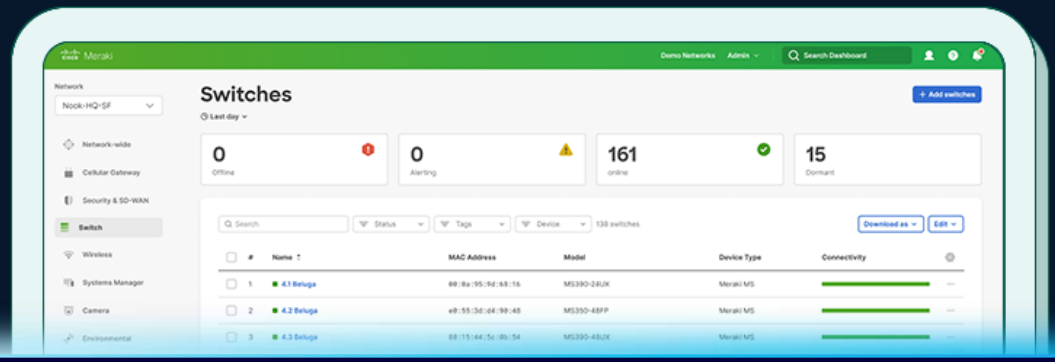
Unlocking the full C9000 Portfolio on the platform



Preview: Extend secure connectivity to rugged outdoor networks

IE3500*

2H 2025 - 2026

AVAILABLE NOW

C9300L

C9300

C9300X

C9200L

C9500

C9200/CX

C9300LM

C9350

Modular*

*CY26**

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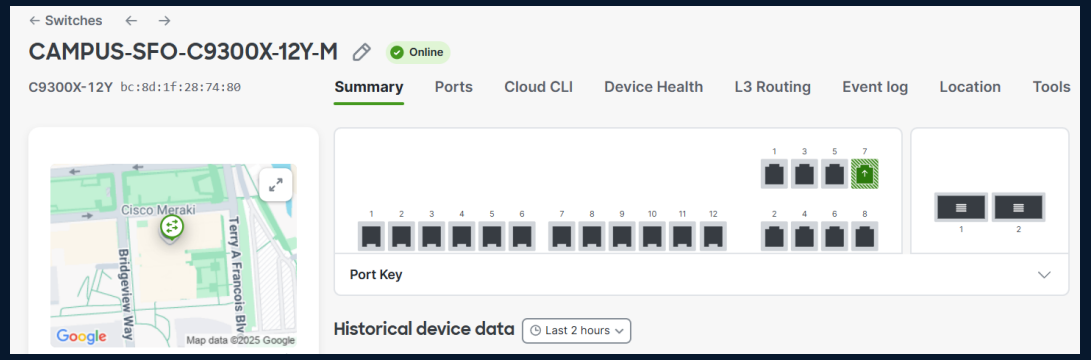
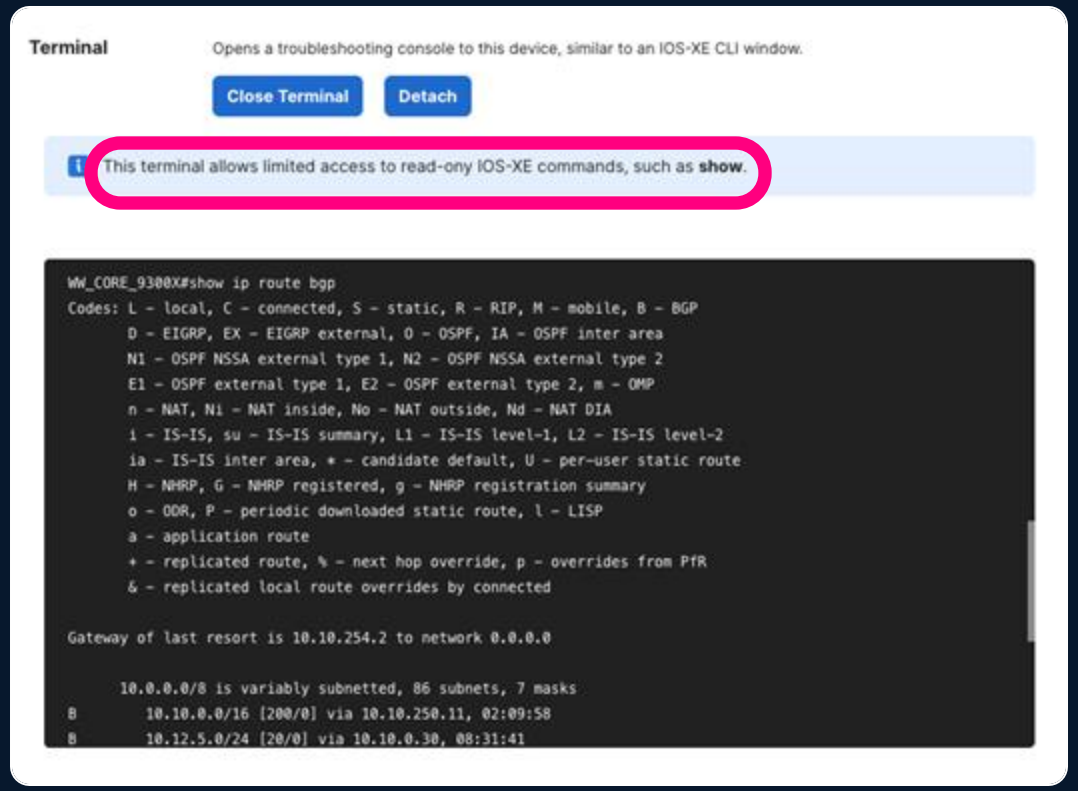
Configuration: Cloud

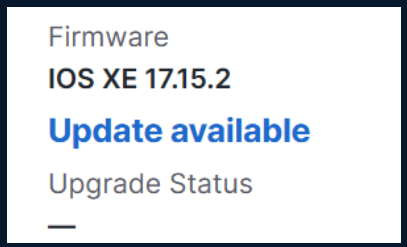
Cloud-managed experience

- Same look and feel as traditional Meraki
- Existing C9000 CLI devices can be migrated to Cloud Operating Mode
- Migration = configuration ‘wipe’
- Rich telemetry and assurance
- Cloud CLI – Read Only
- Cloud-based configuration, ZTP, and firmware management



Cloud Native IOS-XE





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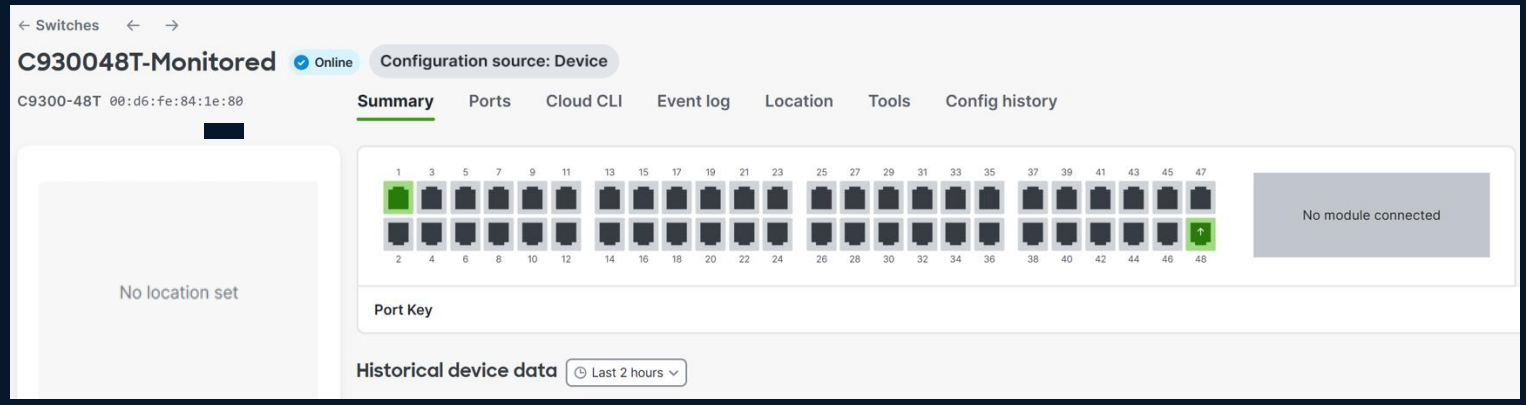
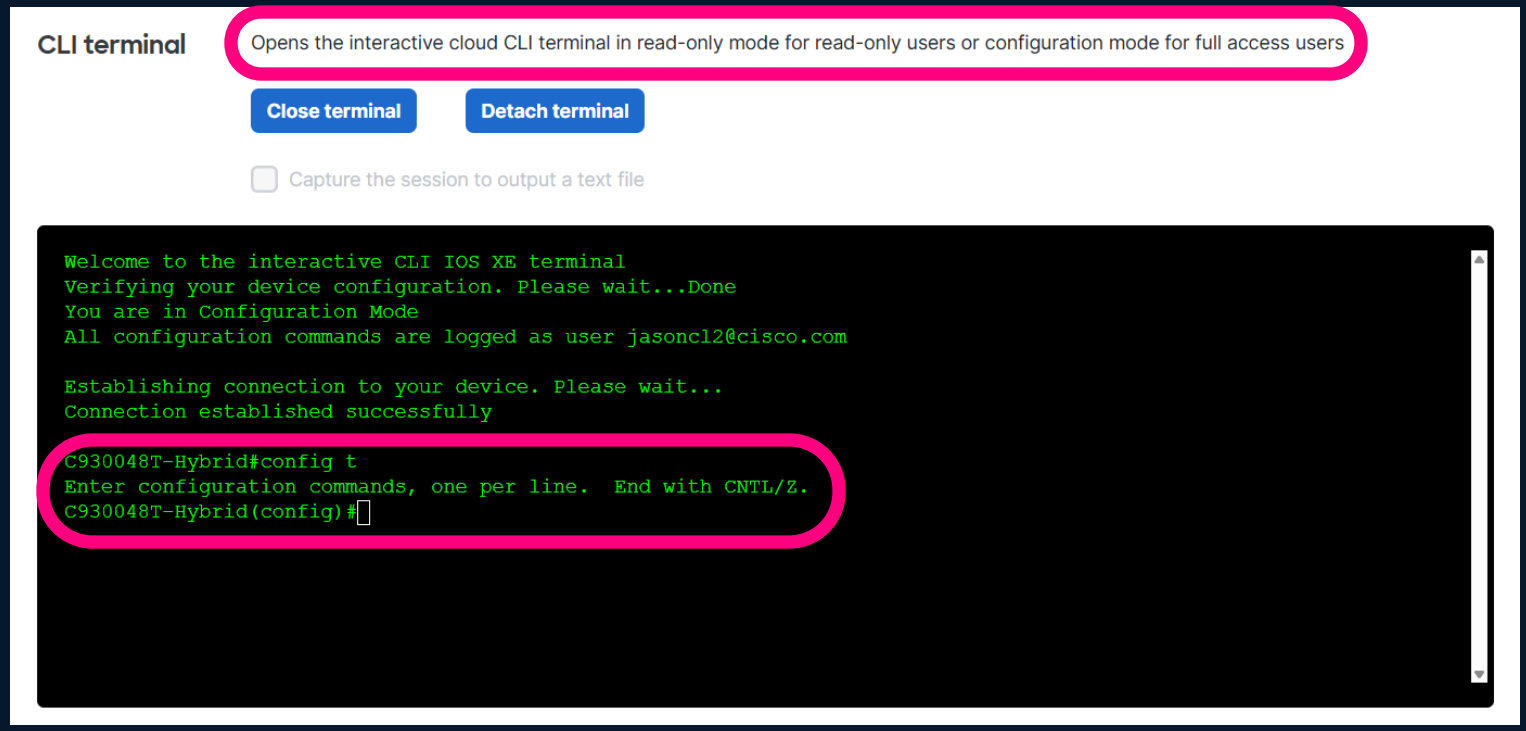
Configuration: Device

Access to Cloud CLI

- Uses existing DNA Licensing
- Ideal for brownfield deployments – no data-plane configuration changes
- Troubleshooting telemetry and alerts
- Cloud CLI – Read or config mode
- Local configuration
- Cloud stored configuration history and diff
- Firmware management road-mapped





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Inventory

View deployed and available devices in your organization. You can claim new devices to add to the list below. After selecting devices below, you can add them to a new or existing network.

View old version

Search inventory

Download

+ Claim devices

Claim individual devices

Scan with Meraki mobile app

Download the Meraki Mobile app for iOS or Android and use Claim Device

Enter manually

Claim individual devices and license keys, or just hardware. To name device at the same time, enter using the format: "device cloud ID, name" for each line

Device Cloud ID (Meraki serial number) or license key - one per line

Q5TD-GPJJ-GXSF

Where can I find these numbers?

Cancel

Back

Claim devices

MAC address			Model
14:9f:43:ee			MS130R-8P
6c:7f:0c:fb			MS150-48MP-4X
6c:7f:0c:fb			MS150-24MP-4X
6c:7f:0c:fc			MS150-24P-4X
ac:d3:1d:ff			Z4
cc:9c:3e:e8			CW9164I
14:9f:43:ee			MS130R-8P
b8:ab:61:fa			MS130R-8P
b4:df:91:15			MV13
6c:de:a9:00			MV13
bc:db:09:e2			MS130-12X
bc:db:09:e2			MS130-12X
bc:db:09:e2:d3:e6	Q3GA-VM9E-64UA	Lab	MG51
2c:3f:0b:05:4d:80	Q3ED-FK9N-XZSW	Lab	MS390-24UX
2c:3f:0b:04:5b:80	Q3EC-XM2L-YJKM	Lab	MS390-24U
00:84:1e:3e:6e:8a	Q3CJ-ZG5C-PEM2	Lab	MT40
14:9f:43:e9:0d:2a	Q3CJ-KJCS-QEZW	Lab	MT40

Cloud Managed Catalyst Live Demo

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INTRODUCING

The Cisco C9000 Series Smart Switches

Powerful, secure, easy to manage

Cisco Silicon One - industry's most powerful, programmable ASIC

High-performance, programmable x86 CPU

Cisco IOS XE w/ secure boot & Trustworthy Solution

Universal PoE+ & PoE Analytics

Switch power optimization & FMP-ready

On-device ThousandEyes App hosting

Cisco C9350 Smart Switch

1.6 Tbps	4x100G	<5 µs	4x
Stacking bandwidth	Uplink Modules	Latency	Higher MAC & ARP density

Cisco C9610 Smart Switch

25.6 Tbps	256x100G	<5 µs	10 slot
System bandwidth	Modular Line-Cards	Latency	To power the core

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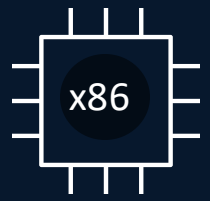
Introducing the Next Generation of Campus Switching

Silicon One ASICs, AI-Ready Infrastructure, Updated IOS-XE

Silicon One ASICs

Adaptability

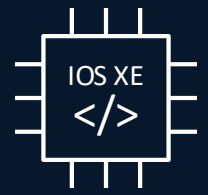
- Programmable at all layers
- Permits multiple use cases in a converged solution
- Virtual slicing for parallel processing



X86 Processor

AI Readiness

- Control-Plane scale for agentic-AI and AI agents at scale.
- Enhances Software-assisted Services (AVC/XDR)
- Advanced App-Hosting with AI-Hosting (Edge Compute)



Updated IOS XE

Security

- Supports post-quantum cryptography
- Trustworthy Linux kernel that securely hosts applications
- Leverage advanced Linux features for Cisco Live Protect

Smart Power, PoE Assurance and Energy dashboard

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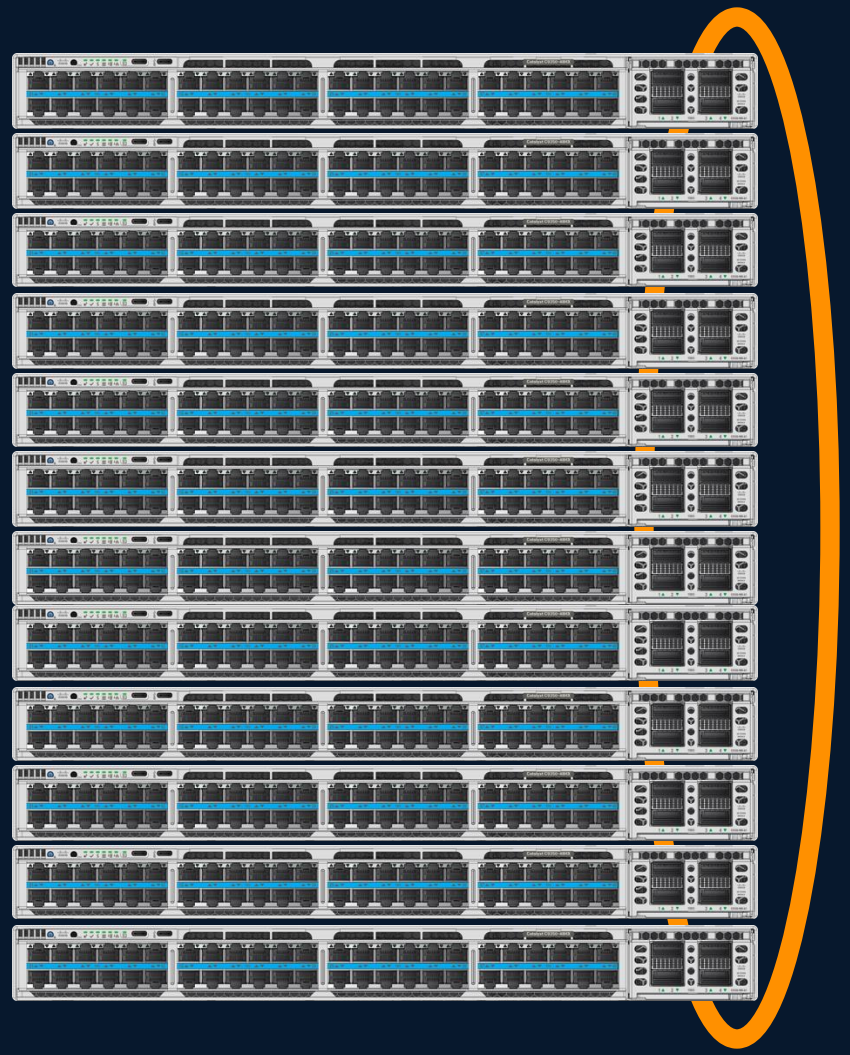
Cisco C9350 Series Switches

New stacking architecture for the new generation of campus switching

Roadmap



NEW

Next generation stacks with up to 12 members*

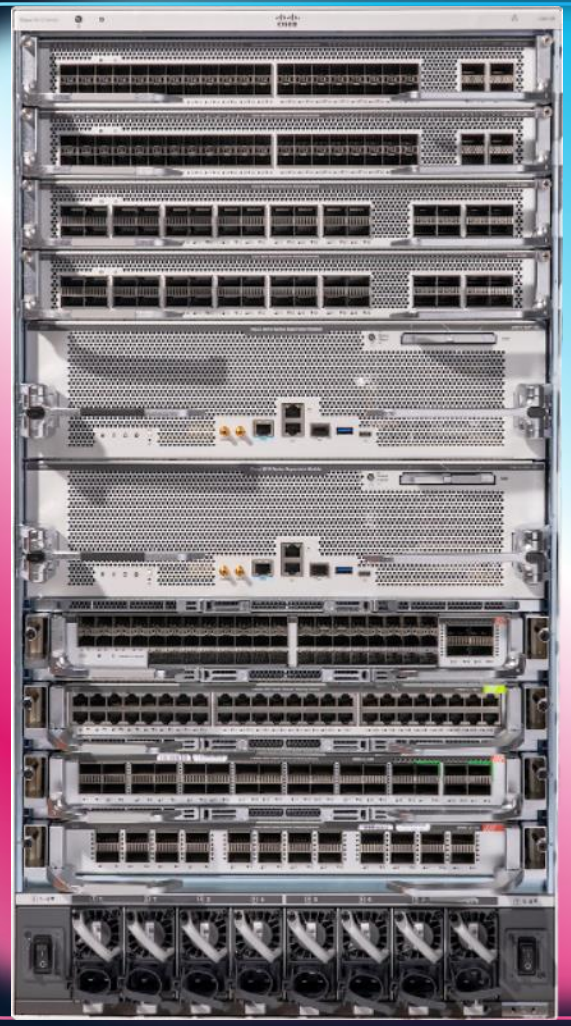
8 x C9300X	12 x C9350
256 ports of 90W UPOE	576 ports of 90W UPOE
384 ports of 10G mGig	576 ports of 10G mGig

- Unified Control-Plane & Distributed forwarding Architecture
- 8/12* Member Stacking with Proven A/S/M election mechanism
- Sub-Second Stateful Switchover with SSO & NSF
- Plug & Play Solution

Highest Stacking Density in the Industry

Cisco C9610 Core Smart Switches

With Supervisor 3 and Supervisor 3 XL



17.18.1

C9610-SUP3 - E100

- 1M IPv4 Prefixes
- 768K Exact Match
- 256K Policies

C9610-SUP3XL - K100

- 2M IPv4 Prefixes
- 1.2M Exact Match
- 512K Policies

25.6 Tbps (full duplex)

4x K100/E100
+ 1x Q200 ASIC

3.2 Tbps per slot

8x Line Card slots
+ **2x Supervisor** slots

8 core X86 CPU
@ 2.5 GHz

32GB DDR4
DRAM

High density 25G / 100G / 400G ports

Copper and Fiber Mgmt ports

M.2 SATA SSD
(optional: up to 1 TB)

1 x USB 3.0 storage
1x USB C console

Reversible Airflow

Built in RFID

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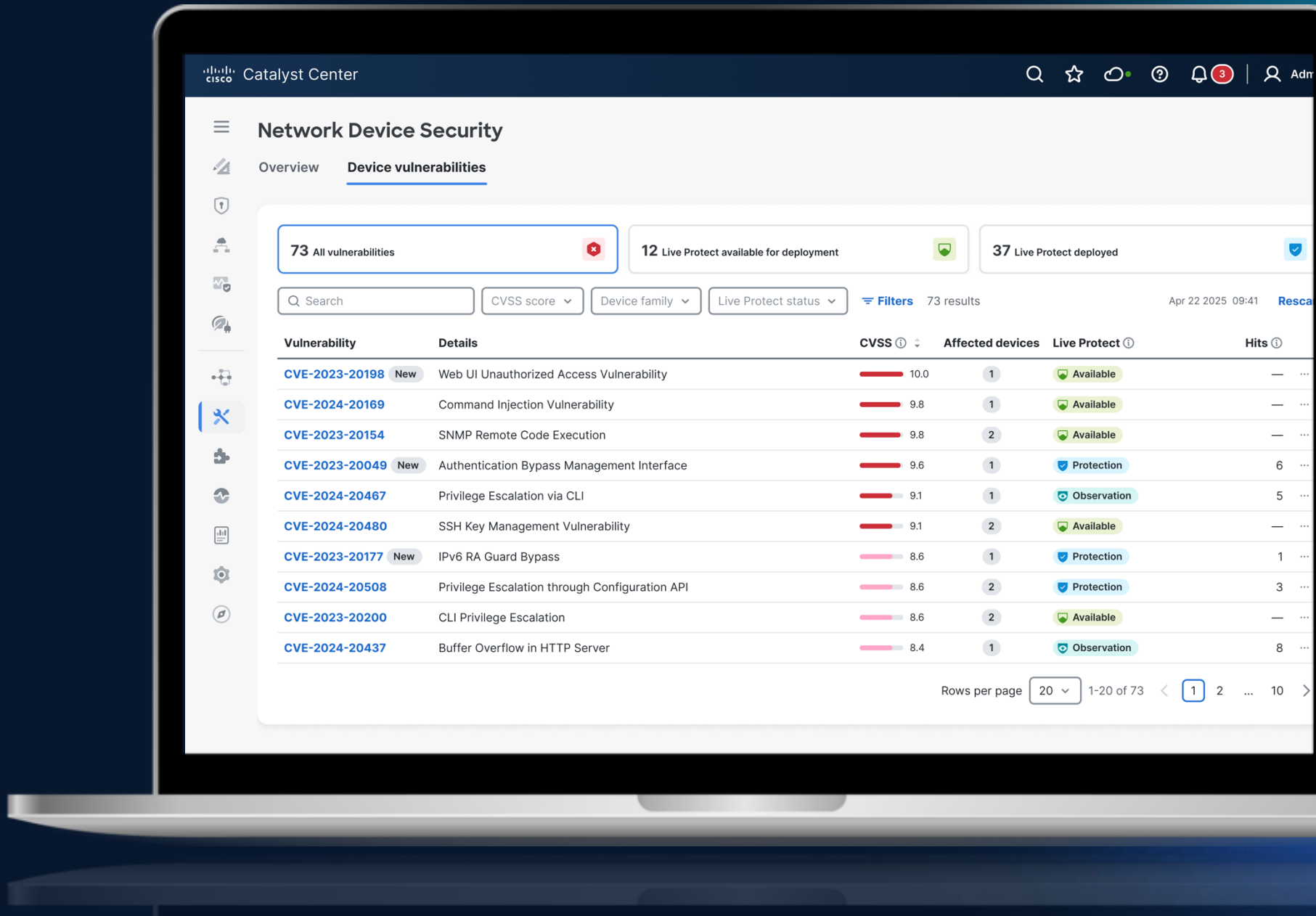
FUTURE

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	Affected devices	Live Protect	Hits
CVE-2023-20198 New	Web UI Unauthorized Access Vulnerability	10.0	1	Available	—
CVE-2024-20169	Command Injection Vulnerability	9.8	1	Available	—
CVE-2023-20154	SNMP Remote Code Execution	9.8	2	Pending	—
CVE-2023-20049 New	Authentication Bypass Management Interface	9.6	1	Protection	6
CVE-2024-20467	Privilege Escalation via CLI	9.1	1	Observation	5
CVE-2024-20480	SSH Key Management Vulnerability	9.1	2	Available	—
CVE-2023-20177 New	IPv6 RA Guard Bypass	8.6	1	Protection	1
CVE-2024-20508	Privilege Escalation through Configuration API	8.6	2	Protection	3
CVE-2023-20200	CLI Privilege Escalation	8.6	2	Pending	—
CVE-2024-20437	Buffer Overflow in HTTP Server	8.4	1	Observation	8

Rows per page 20 | 1-20 of 73 | 1 | 2 | ... | 10

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Extending our Wi-Fi 7 Portfolio

Small branch

CW9171I

4 Spatial Streams

Omnidirectional

NOV ‘25

CW9172H

6 Spatial Streams

Hospitality

SHIPPING

CW9172I

6 Spatial Streams

Omnidirectional

SHIPPING

Mid-size deployments

CW9174E

8/10 Spatial Streams

External antennas

NOV ‘25

CW9174I

8/10 Spatial Streams

Omnidirectional

NOV ‘25

CW9176D1

12 Spatial Streams

Integrated Directional, URWB

SHIPPING

CW9176I

12 Spatial Streams

Omnidirectional, URWB

SHIPPING

CW9178I

16 Spatial Streams

Omnidirectional. URWB

SHIPPING

CW9179F

16 Spatial Streams

LPV/Stadium

SHIPPING

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

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One Cisco Wireless Access Point

Global Use AP, Unified Product, Single SKU

Cisco Catalyst Management Mode
C9800 & Catalyst Center Stack

Meraki Management Mode
MR Dashboard Stack

Join WLC or Meraki stack on Day 0

Management Mode Change from Day 1 to N

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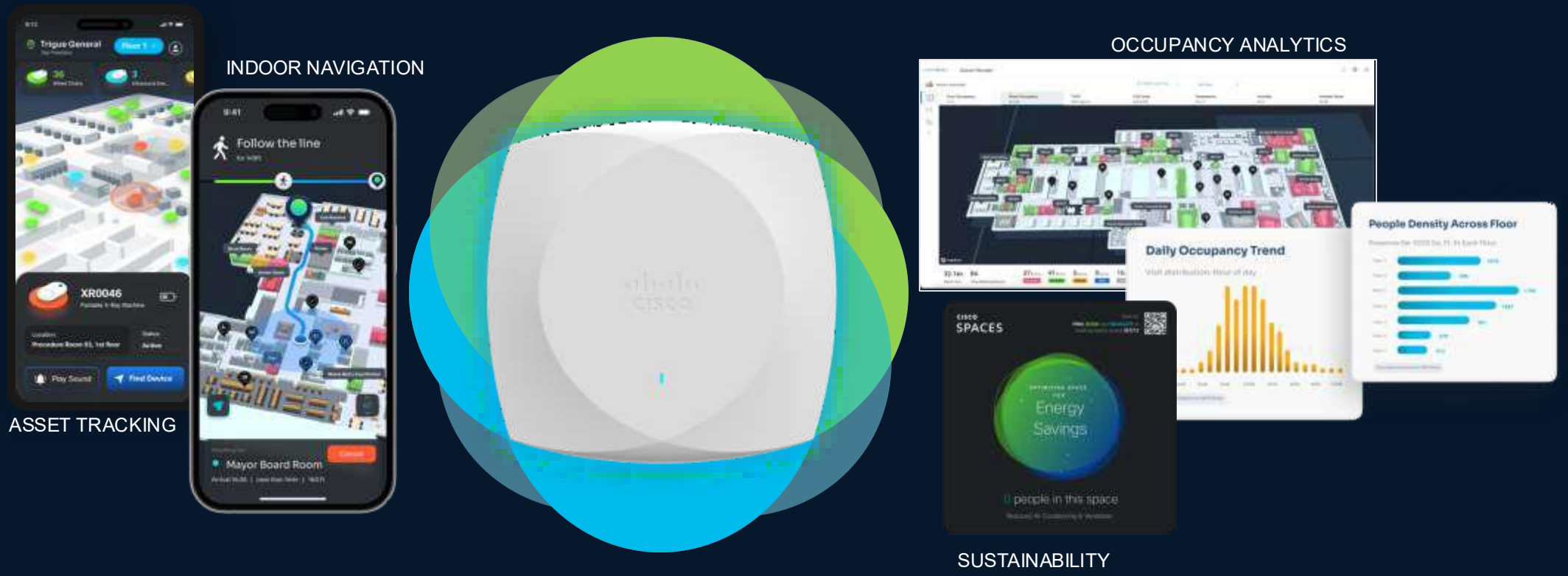
cisco SPACES

Outcomes, powered by the network

With Cisco Spaces and Cisco's Wi-Fi 7 access points, use cases come built in



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cisco

Introducing Cisco Wi-Fi 7 Entry Level AP

Step up to Wi-Fi 7

Enterprise class performance at an affordable price point

Easy to Deploy

Easily deploy Wi-Fi coverage for branch offices and retail stores without a dedicated IT staff

Low Energy Footprint

Minimal power consumption with maximum functionality. Full AP functionality enabled with PoE+ power budget

Compared to CW9172I:
One less Wi-Fi radio
No 2x2 + 4x4 mode

CleanAir® **Pro**

CW917I

4 spatial streams
dual radio tri-band

2.4GHz and 5GHz 2x2:2
-or-
2.4GHz and 6GHz 2x2:2

BLE/IoT and dedicated scan radio

Single 2.5Gbps multigigabit uplink

USB 2.0 – 4.5W

DC Power Jack

Integrated Omnidirectional

Global Use AP

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Introducing Cisco Wi-Fi 7 Mid Tier AP

Modernize Your Network

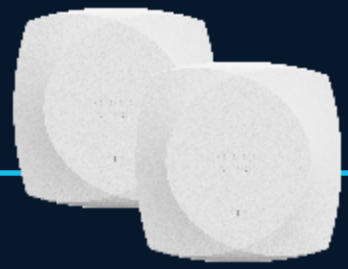
Upgrade your network to the latest Wi-Fi 7 technology with the best security and increased performance

Balanced Cost to Performance

High value Wi-Fi 7 coverage at the right price

Flexible Deployment Options

Available with integrated omnidirectional antennas or external antenna connectors for specialized applications



CleanAir® **Pro**

CW9174I/E

8 or 10 Spatial Streams

2x2:2 on 2.4GHz and 4x4:4 on 5GHz and 6GHz
-or-
4x4:4 on 2.4GHz and 5GHz

BLE/IoT and dedicated scan radio

Single 5Gbps multigigabit uplink

USB 2.0 – 9W

DC Power Jack

Extended operating temperature range, -20C to 50C (9174E only)

Integrated Omnidirectional or DART-8 External Antenna

Global Use AP

Compared to CW9176I/D1:
2x2 2.4GHz in Tri-radio mode
No GPS
No UWB
No Dual 5GHz
5Gbps Uplink

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cisco

Introducing the Cisco CW9800L Wireless Controller

Cisco CW9800L Wireless Controller

Up to 10 Gbps Backhaul

1/10G SFP+ Uplinks

10,000 Clients

500 APs

Increased performance and 2x capacity compared to base C9800-L!

Simple

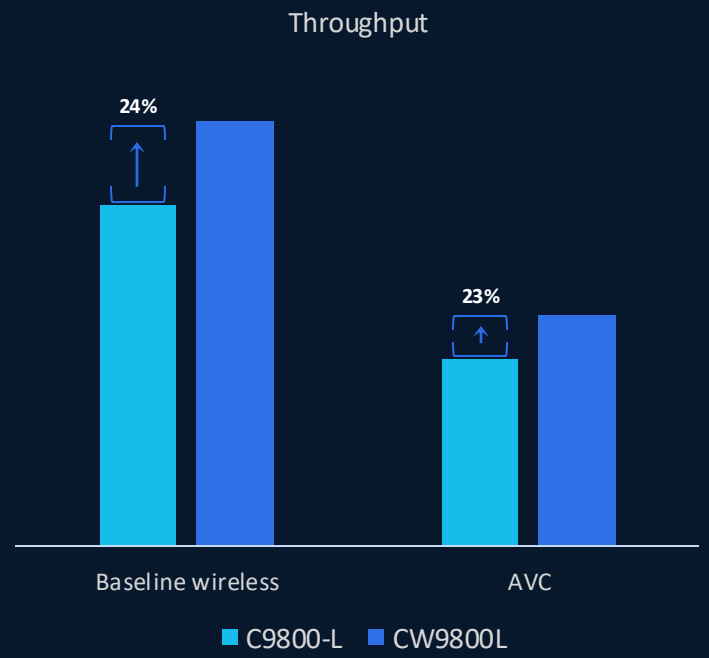
- Familiar WebUI and config structure reduces upgrade friction
- New external redundant power supply option
- Up to 10dB quieter than C9800-L

Secure

- Designed for WPA3 and beyond
  - HW acceleration improves performance when enabling advanced encryption

Sustainable

- 2x Increase in AP and client scale allows for future growth



Performance tests consist of bi-directional (simultaneous 50% up/down) “IMIX” real-world traffic

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Cisco Wireless Controller Portfolio

Embedded Wireless
(Switch, SDA-only)
200 APs

C9800-L
250 APs, 5,000 clients

CW9800L
500 APs, 10,000 clients

C9800-40
2,000 APs, 32,000 clients
(EoS Dec 31, 2025)

CW9800M
3,000 APs, 32,000 clients

C9800-CL
1,000 APs, 10,000 clients

C9800-80
6,000 APs, 64,000 clients
(EoS Dec 31, 2025)

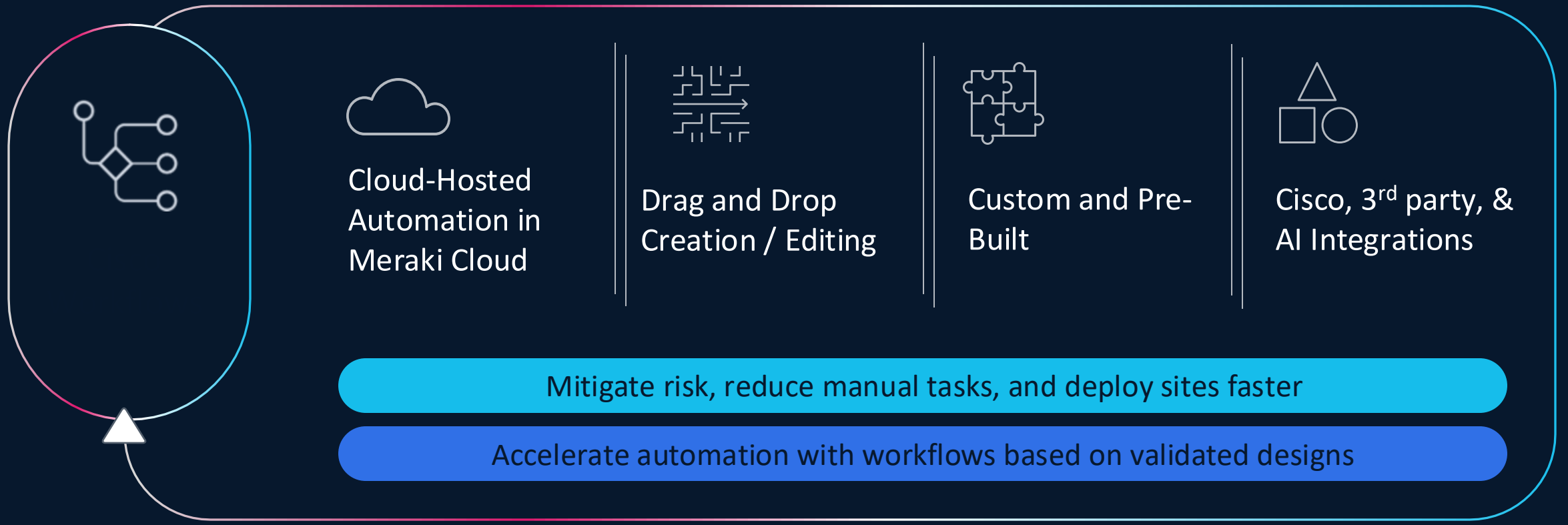
C9800-CL
1K, 3K, or 6K APs
10K, 32K or 64K clients

CW9800H1 / CW9800H2
6,000 APs, 64,000 clients

Up to 200 APs | Up to 500 APs | Up to 1000 APs | Up to 3000 APs | Up to 6000 APs

Distributed branch and small campus | Medium campus | Large campus

Cisco Workflows in the Meraki



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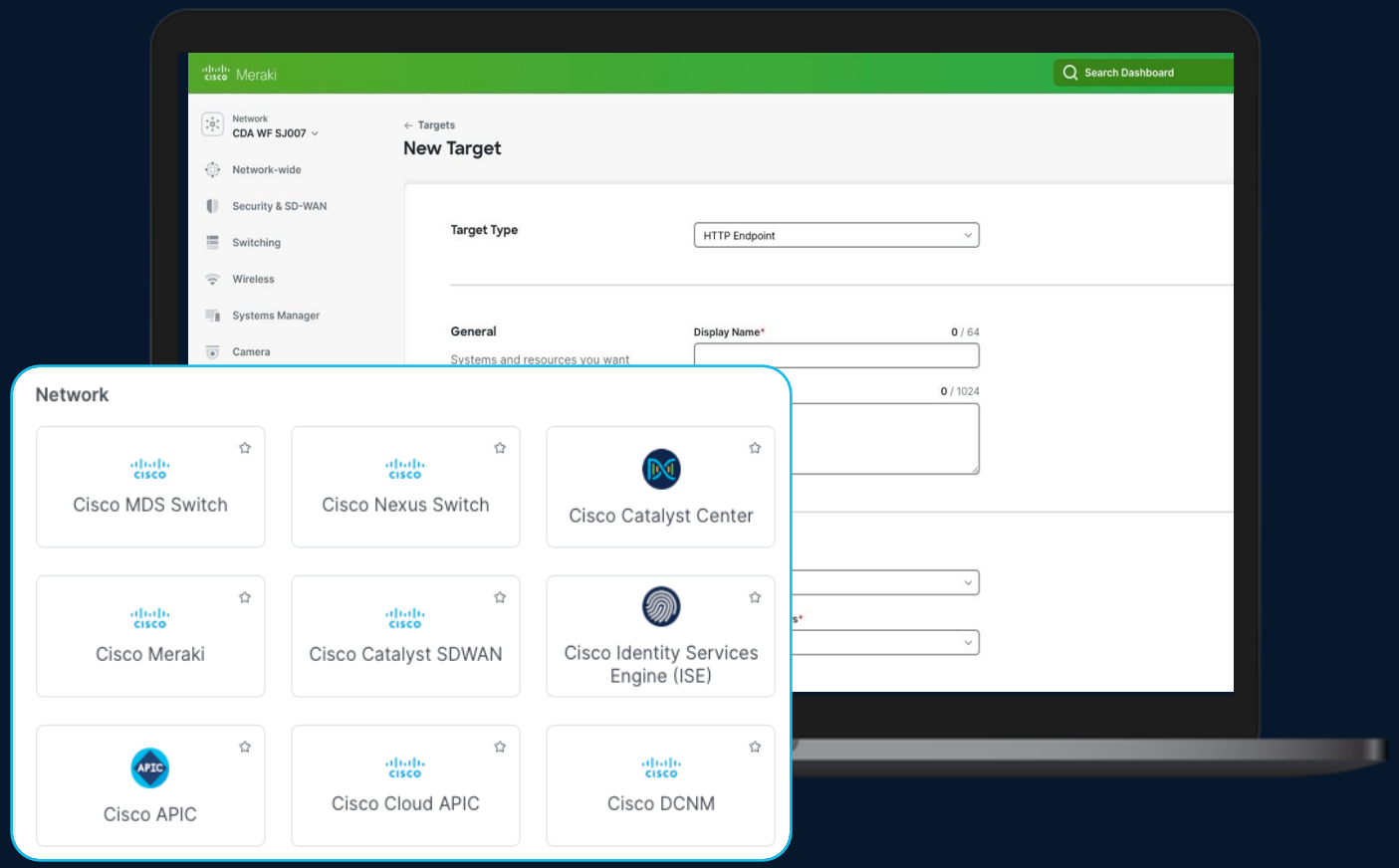
Central automation for Cisco and third-party applications



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

Integrate third-party applications such as ServiceNow into automation outcomes with Cisco domains.

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

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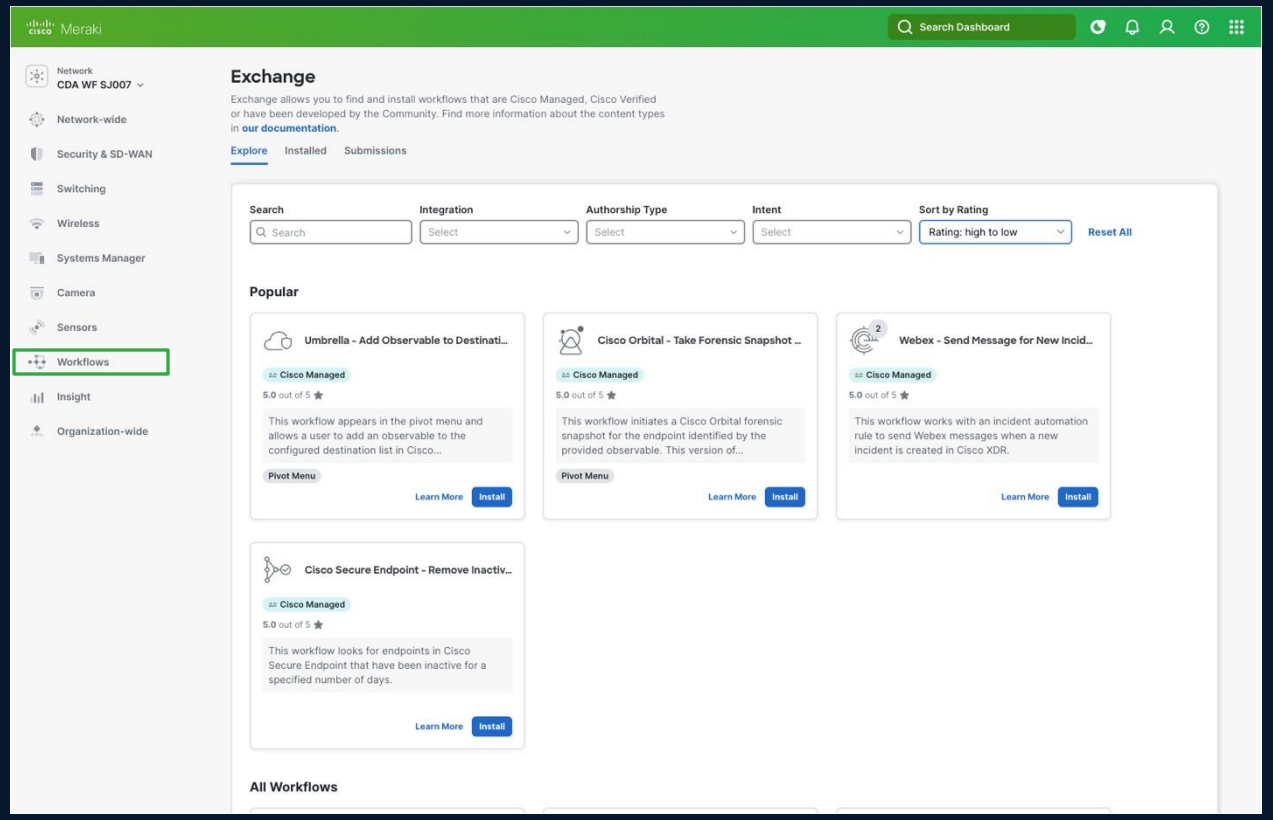
Workflow Exchange

Community driven automation with the ability to submit



Comprehensive Catalog

From Cisco, Partners, or the community.

Based on Validated Designs

Cisco Managed or Cisco Verified

Updated Regularly and Often

A dynamic exchange provided by Cisco.
Submit your own!

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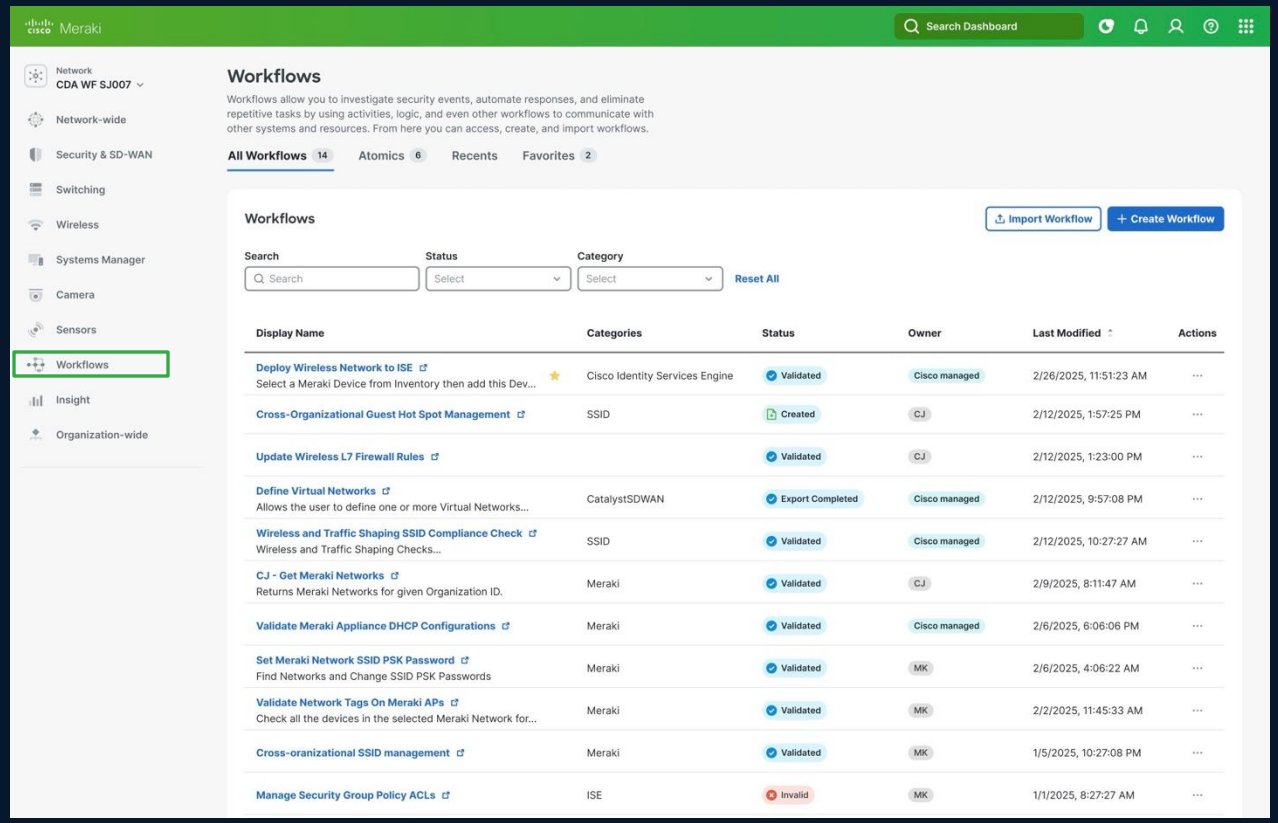
Workspace

Favorite, organize, and manage workflow automation



Quickly View Workflows in Meraki

See status, owner, and details

Duplicate, Edit, and Share

Orchestrate automation commands

Manage Your Team

Enable Network Operations for daily tasks or Network Designers to create

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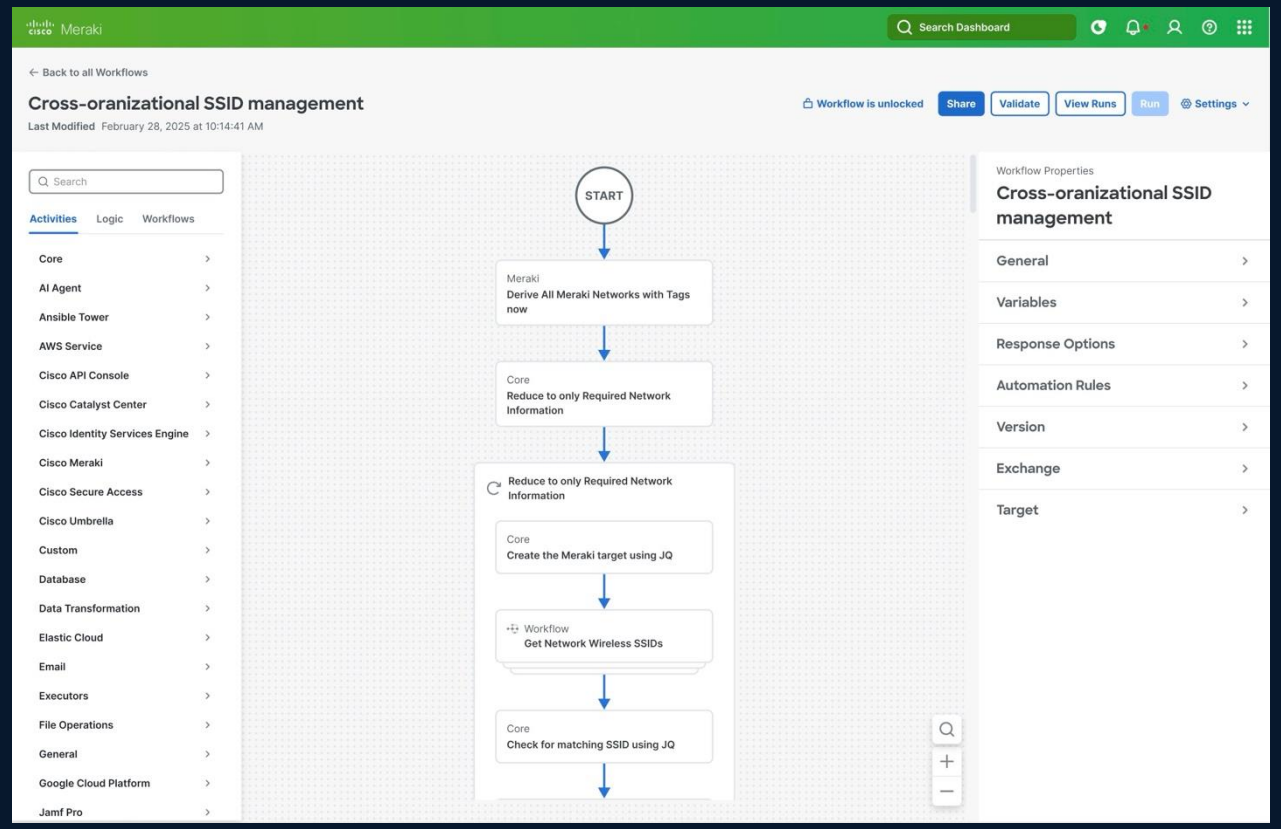
Workflow Editor

Drag-and-drop creation, sub-workflows, broad integrations, approvals



Drag-and-Drop Builder

No code creation and editing

User Flexibility

Data transformations, python, JSON table creation, loops, serials, conditions

Flexible Deployment Options

Out-of-the-box, modified, or fully custom

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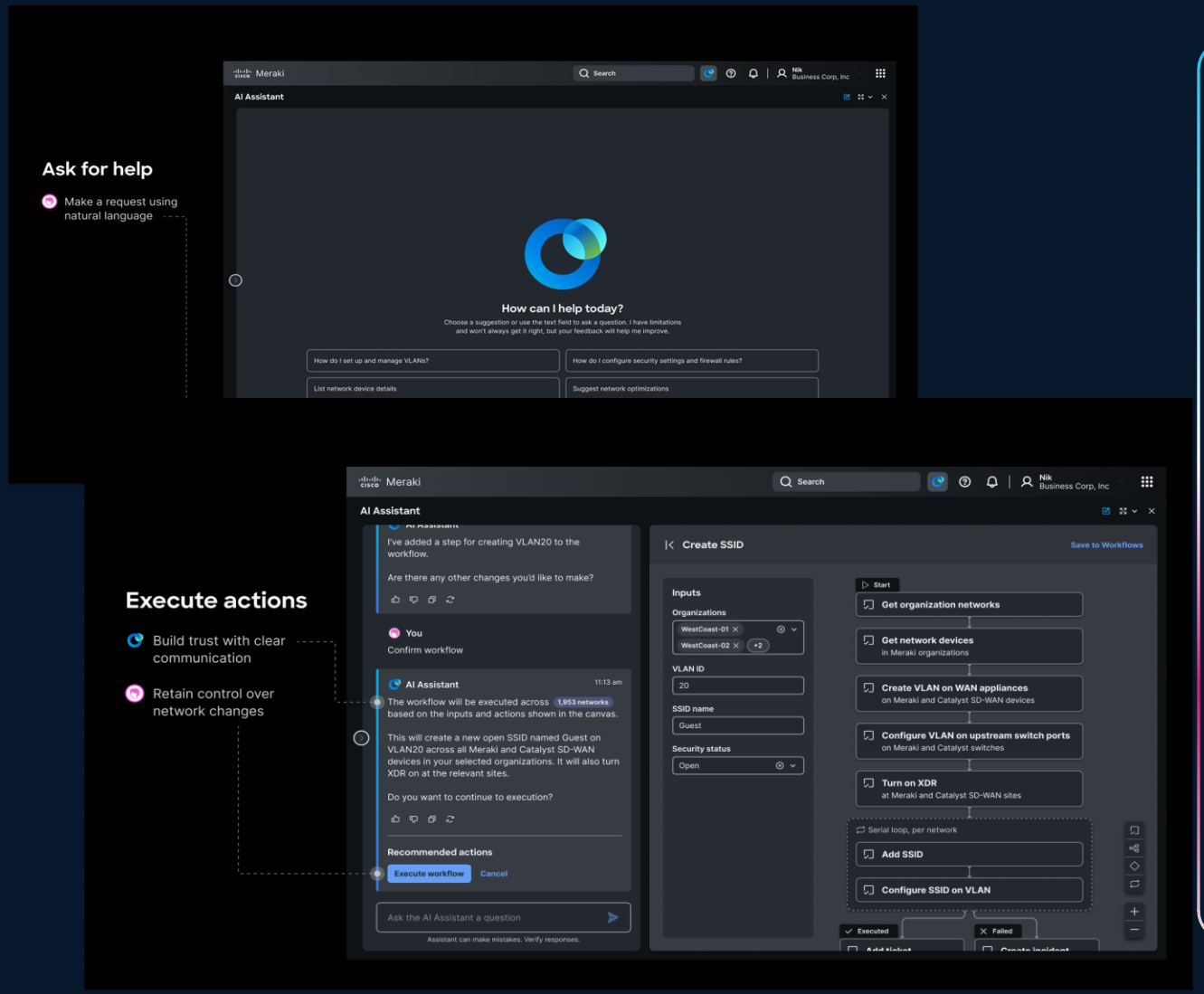
AI driven dynamic workflows

Leverage AI to assist Network Operator interaction with automation



Speak your mind

Ask the AI Assistant for help with your tasks

Responsiveness

Enquire to learn more about the outcome

Dynamic Execution

Interact to ensure your intention

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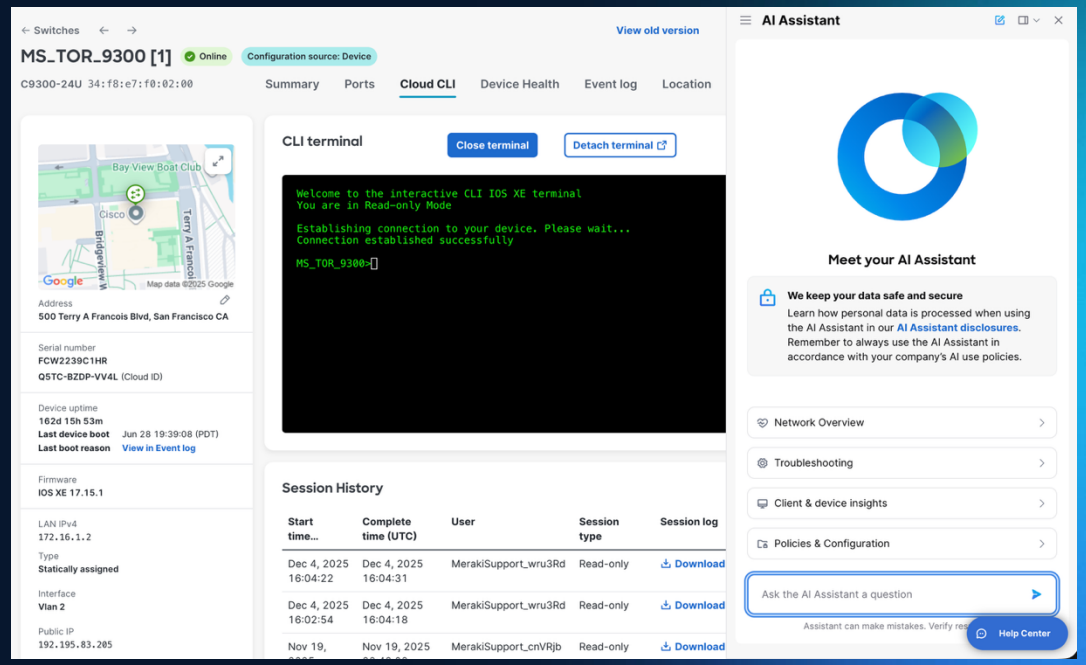
Whats next?

DNA Essentials

OR

DNA Advantage



Let's bring Catalyst into the cloud!

We are here to help. Reach out to your Cisco Account Team, or me personally, dylthomp@cisco.com

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