

One Con 2025

Enterprise Networking

Max Allan & Ray Geyer
Enterprise Networking

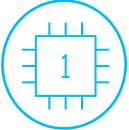
10/6/2025



Cisco Leadership in campus networks



Catalyst Center



Programmable ASICs



Programmable x86 Multicore CPU



Open Cisco IOS-XE

Meraki Dashboard



- Common Policy
- SD-Access (LISP & EVPN)
- Secure Access
- High-speed Encryption
- Campus Automation
- AI Endpoint Analytics



- ThousandEyes Assurance
- Cloud Managed Catalyst
- AI Ops & Assurance
- Infrastructure as a Code
- Visibility, Control & Rollback
- S3 & CloudWatch

430M+

Switch Ports

120K+

Customers

Cisco Validated Profiles (CVP)

Industry Validated Reports

Industry Certifications

Cisco Modeling Labs



Unifying our platforms

Catalyst

Meraki

Catalyst Center

MANAGEMENT

Meraki Dashboard

Catalyst License

LICENSE

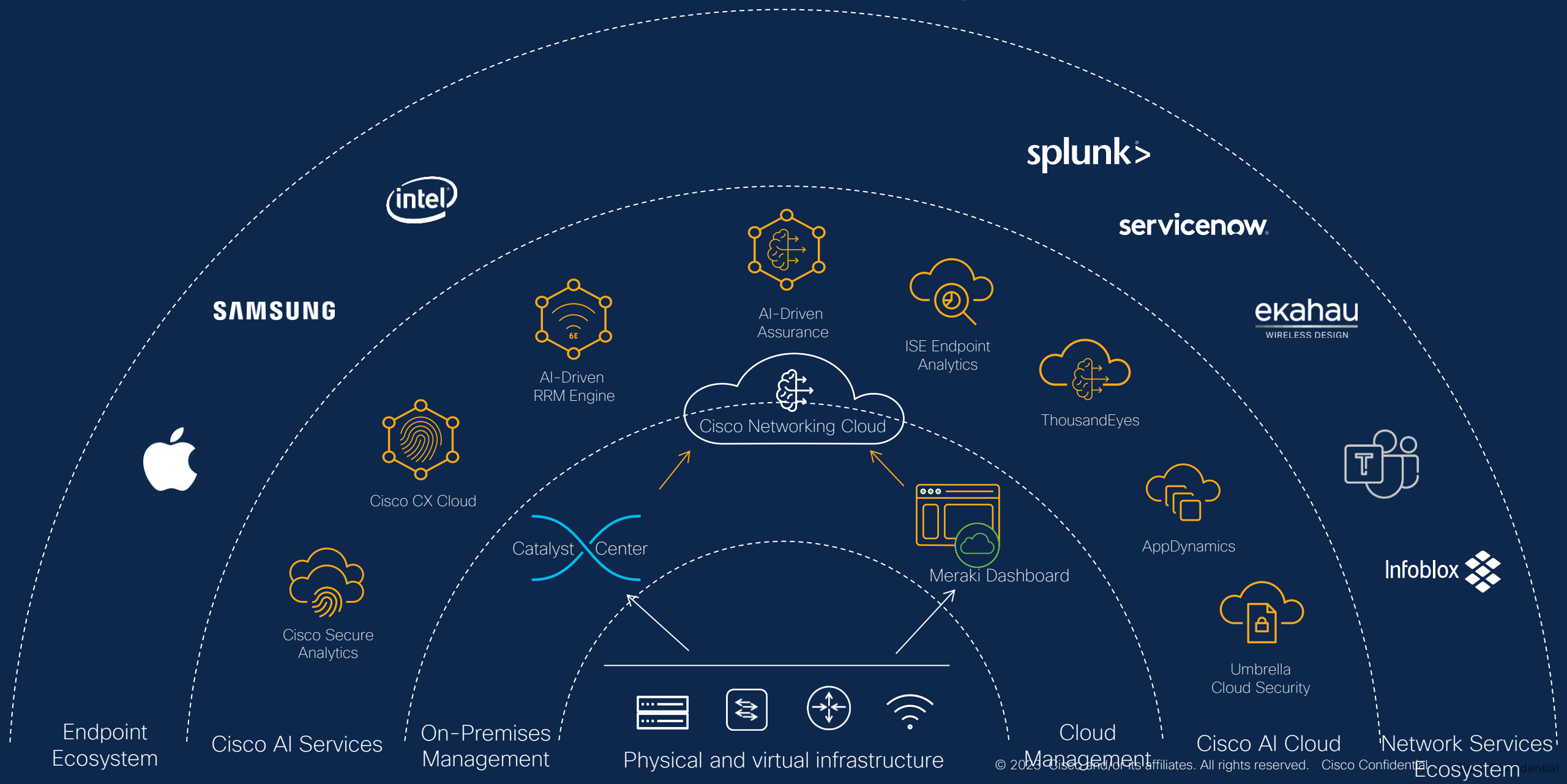
Meraki License

Catalyst Hardware

CISCO HARDWARE

Meraki Hardware

AI Ops: Full-Stack Network Intelligence



Our Unified Platform

Management

API / Integrations

Assurance

Intelligence

PLATFORM



Smart Switches



Secure Routers



Wireless



Industrial IoT

HARDWARE

Unlock operational simplicity, while retaining advanced control

For users embracing the cloud

Cloud CLI

Execute CLI Commands from Anywhere

Access an embedded cloud-hosted CLI terminal within the Meraki dashboard without the need for VPN or jump host.

Enhanced Troubleshooting Workflows

Support for common CLI show commands to uncover network issues effecting network devices

Ensure Accessibility to Detailed Information

Leverage existing and familiar skillsets while ensuring your teams maintain access to detailed device data with CLI

Terminal

Opens a troubleshooting console to this device, similar to an IOS-XE CLI window.

Close Terminal

Detach

i This terminal allows limited access to read-only IOS-XE commands, such as **show**.

```
WW_CORE_9300X#show ip route bgp
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, m - OMP
       n - NAT, Ni - NAT inside, No - NAT outside, Nd - NAT DIA
       i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
       ia - IS-IS inter area, * - candidate default, U - per-user static route
       H - NHRP, G - NHRP registered, g - NHRP registration summary
       o - ODR, P - periodic downloaded static route, l - LISP
       a - application route
       + - replicated route, % - next hop override, p - overrides from Pfr
       & - replicated local route overrides by connected

Gateway of last resort is 10.10.254.2 to network 0.0.0.0

      10.0.0.0/8 is variably subnetted, 86 subnets, 7 masks
B       10.10.0.0/16 [200/0] via 10.10.250.11, 02:09:58
B       10.12.5.0/24 [20/0] via 10.10.0.30, 08:31:41
```

Large campus capabilities, managing intuitively

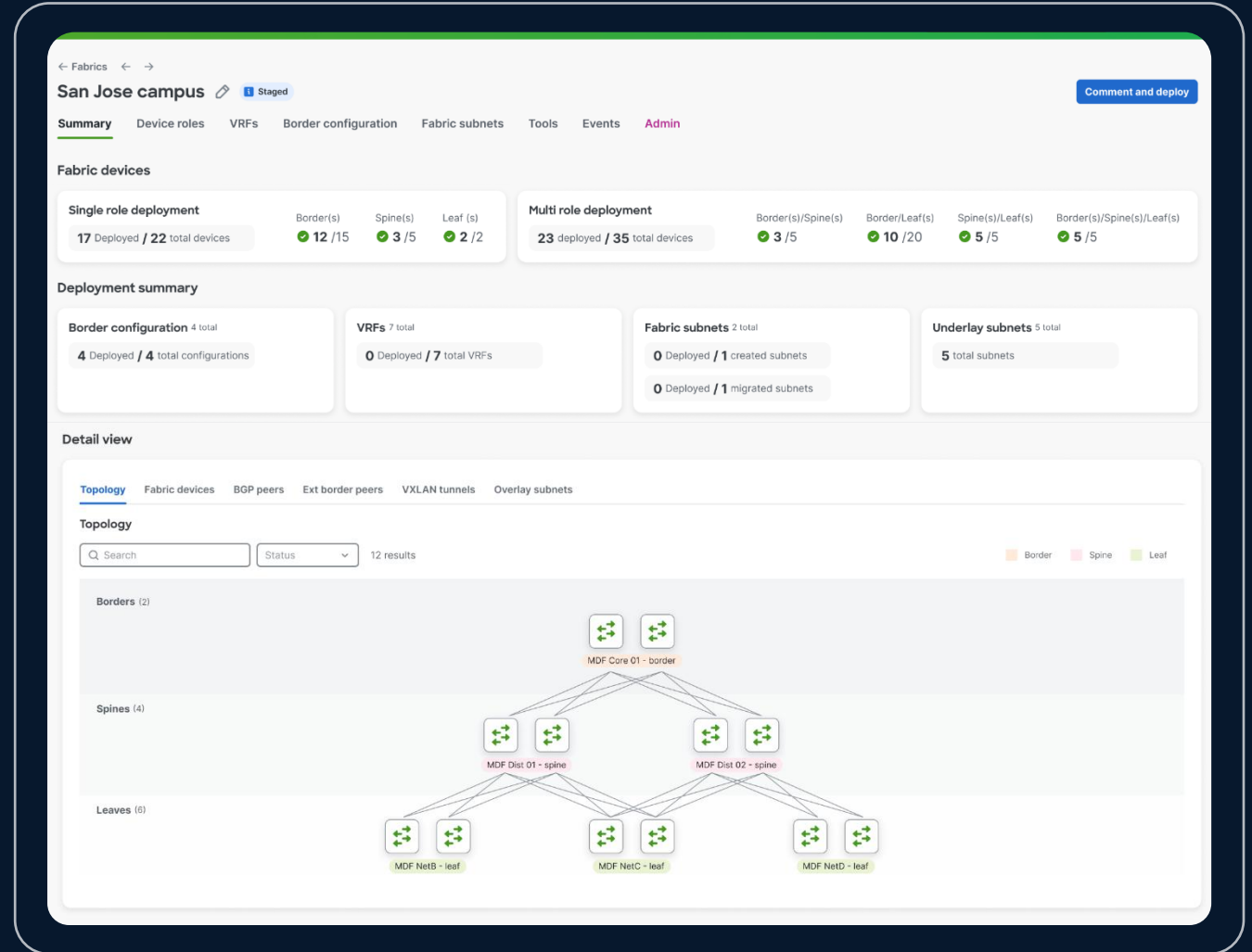
For users embracing the cloud

Cisco Campus Cloud Fabric

Scalable, secure, BGP-EVPN fabric with Cloud management

Micro-segmentation, macro-segmentation, and policy enforcement based on user identity and group

Simplified deployment workflow allowing staging and commit as two separate processes



Simplify troubleshooting

For users managing on-premise

Assurance enhancements

Org-wide assurance view, Device Health, Digital Optical Monitoring

Intelligent Capture & AI Packet Analyzer

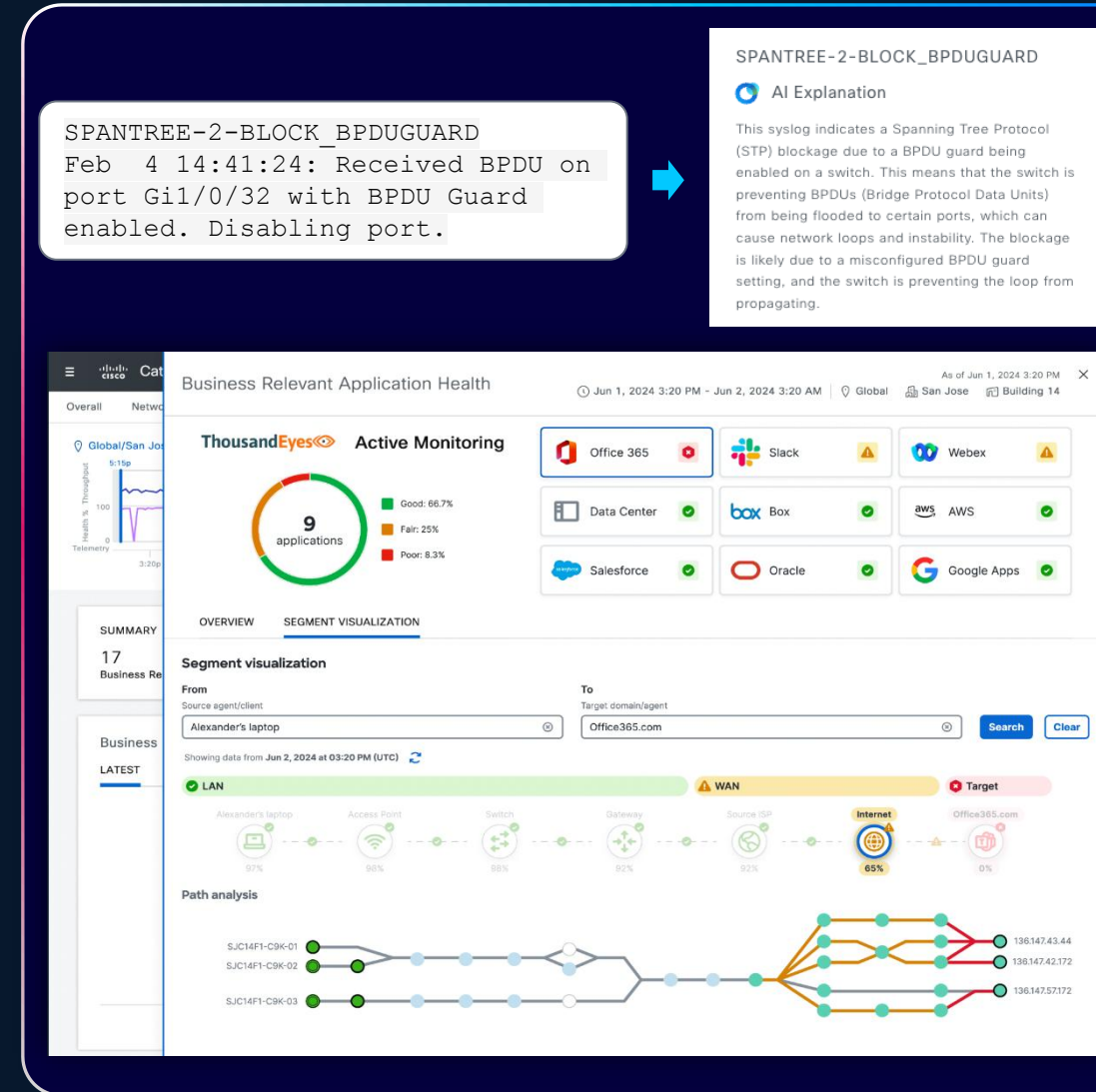
Proactive, automated packet capture & AI driven packet analysis

Thousand Eyes Integration

Identify, isolate, and action issues across owned and unowned infra

AI Event Analytics

Corelated events from Syslogs, Device Reachability, Radio Events, Client Onboarding



AI Assistant

Accelerate network operations with conversational AI

- Understand network health instantly
- Streamline Detect->Diagnose-> Act IT operations lifecycle
- Automated workflows (new)
- Integrated assurance (new)



AI Assistant

2:06 pm

Certainly, I can assist with the root cause analysis of the **degraded Webex performance** for the client **John-MacBook**, with the MAC address **26:20:3b:92:09:2c**, according to the Analysis Plan.



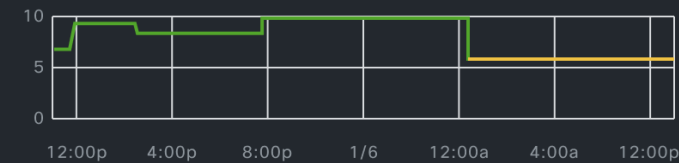
AI Assistant

Here is what I found.

Client status

⚠ Fair ^

John-MacBook 6/10

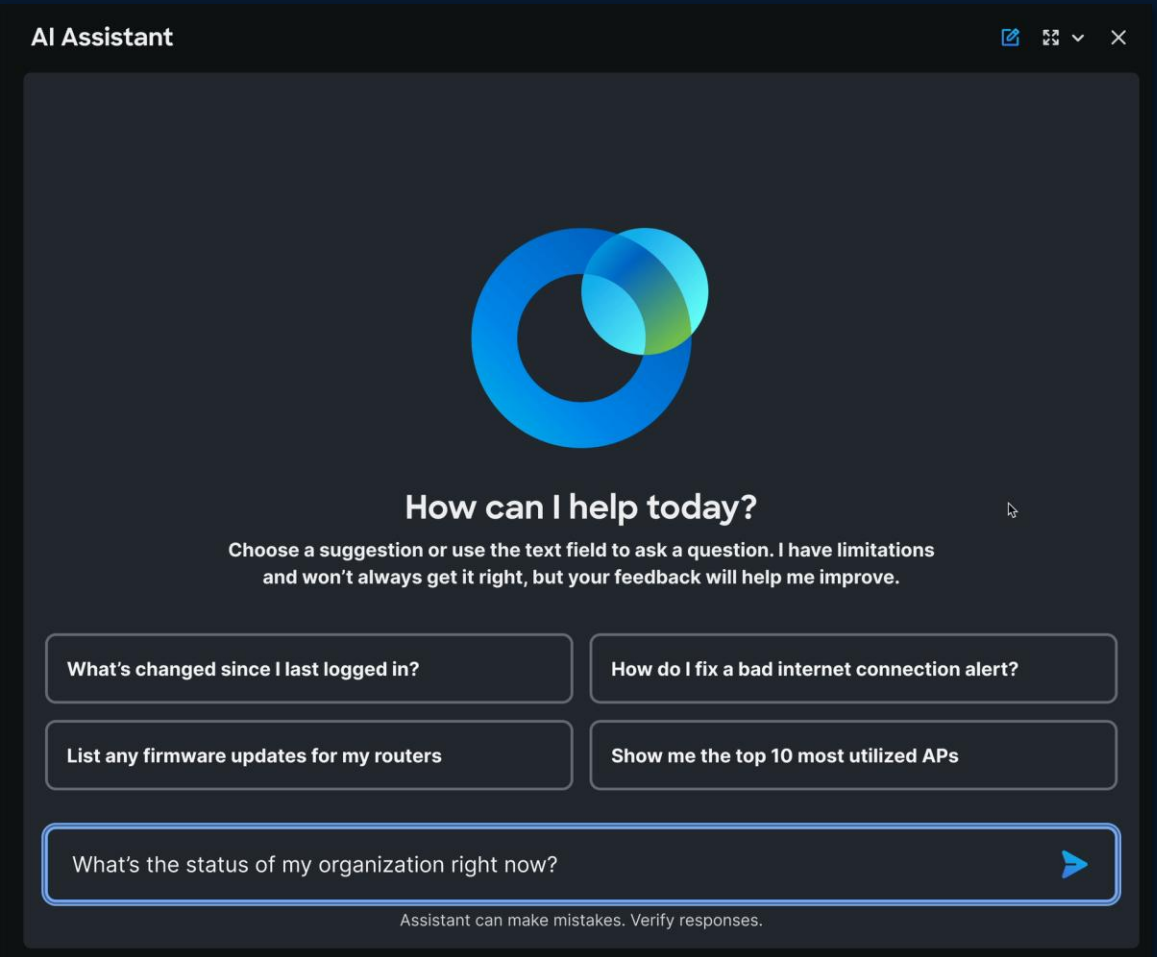


RSSI	● -90 dBm	Tx	201.46kB	Retries	3%
SNR	● 48 dB	Rx	327.75kB	Packet loss	5%
Data rate	102 Mbps				



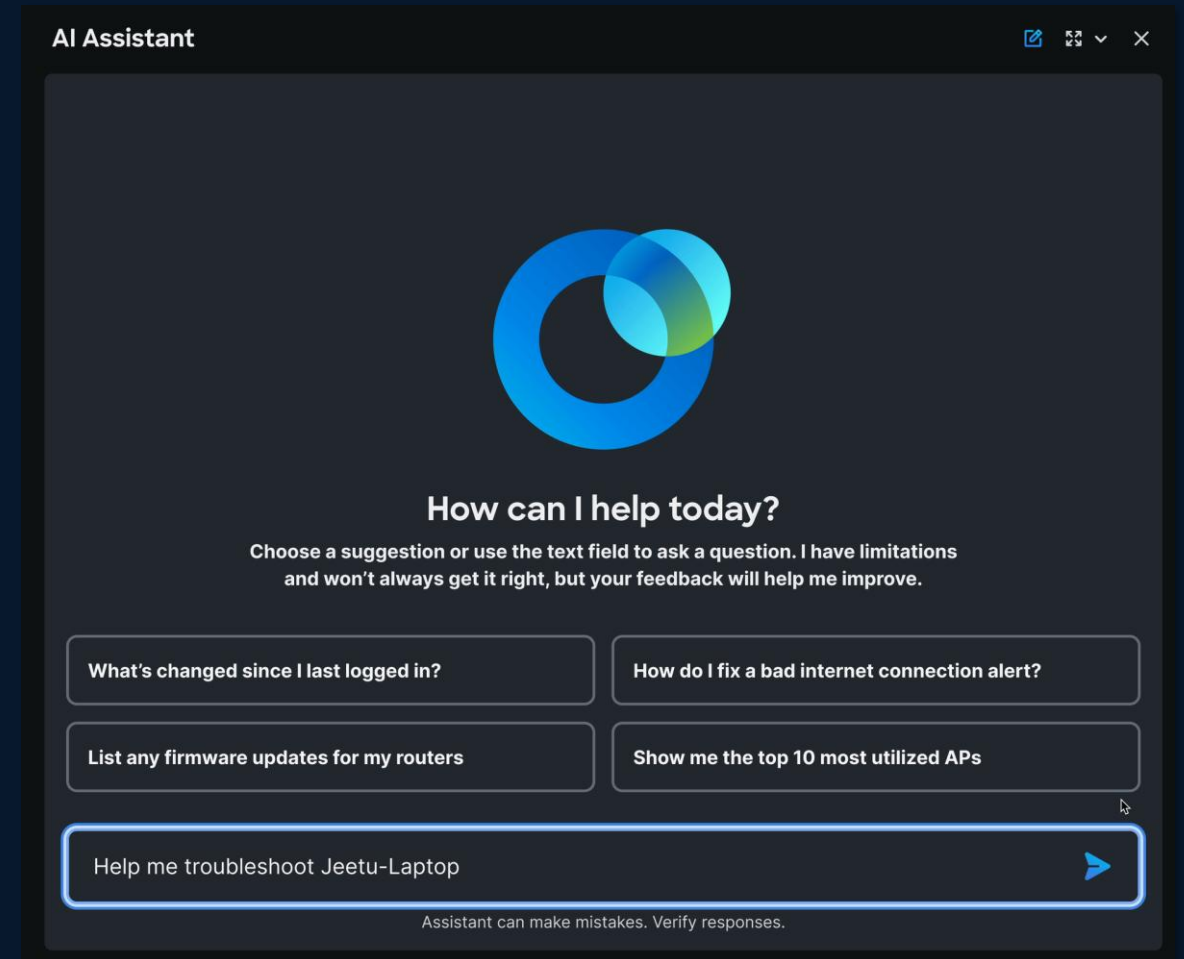
End-to-end monitoring and visibility with AI Assistant

- Network health across WAN, LAN, and IoT
- Instantly shows impacted devices and users
- Smart alerts, prioritized by severity and urgency



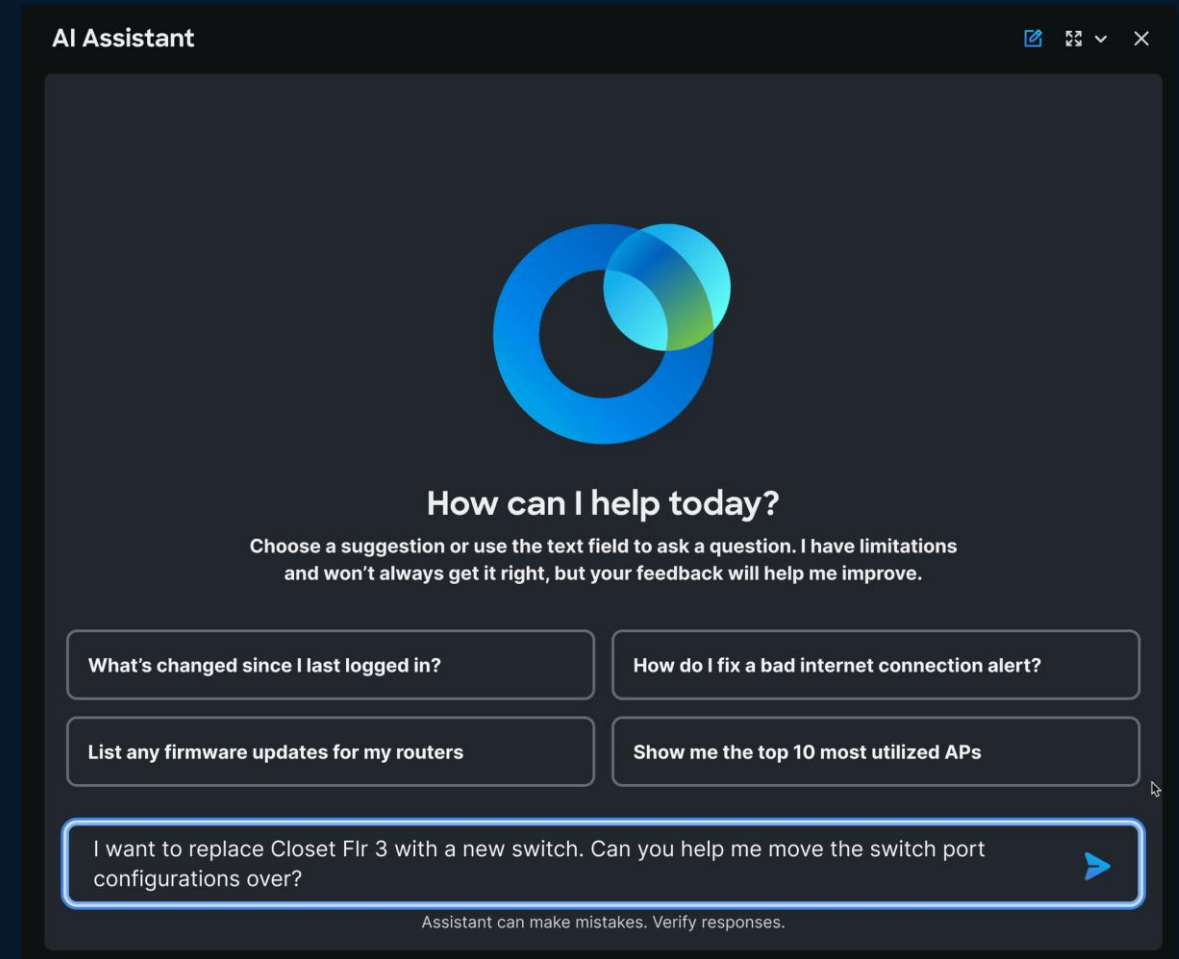
Rapid troubleshooting and RCA with AI Assistant

- Finds root cause—not just the alert
- Provides full stack visibility
- Pinpoints the issue and guides the fix



Automated workflow for switch migration with AI Assistant

- Transfers configuration from old to new switches
- Validates setup
- Cuts downtime and eliminates manual errors



Introducing A new lineup for the new network

Smart Switches



NEW

Secure Routers



NEW

Large Venue Wi-Fi 7



NEW

Campus Gateway



NEW

Industrial IoT



NEW

Wi-Fi 7 for every operational scale

NEW



CW9172

6 Spatial Streams

Omnidirectional

Ceiling mount and
Wall Plate form factor



CW9176I

12 Spatial Streams

Omnidirectional

10Gbps, GPS, UWB



CW9176D1

12 Spatial Streams

Integrated Directional

10Gbps, GPS, UWB



CW9178

16 Spatial Streams

Omnidirectional

2x 10Gbps, GPS, UWB



CW9179

16 Spatial Streams

Software-defined Radios

2x 10Gbps, GPS, UWB

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

AVAILABLE JULY 2025

Introducing Wi-Fi + Ultra-Reliable Wireless Backhaul

Cisco IW9165

Cisco IW9167

Single access point to connect
end users and industrial AI

Highly resilient,
always-on connectivity

Ultra-low latency
and high reliability



AVAILABLE MAY 2025

Introducing The New Campus Gateway

Cisco Campus Gateway

Cloud-managed wireless LAN controller
for up to 5,000 APs and 50,000 clients

Enable seamless roaming across
large campus environments

Go cloud without re-cabling,
changing VLANs, or disrupting ops



INTRODUCING

The Cisco C9000 Series Smart Switches

Powerful, secure, easy to manage

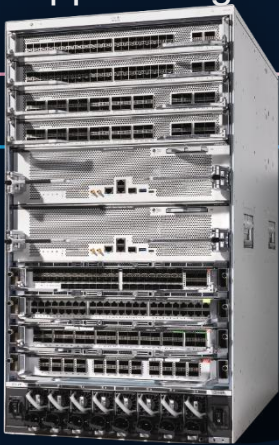
- Cisco Silicon One - industry's most powerful, programmable ASIC
- High-performance, programmable x86 CPU
- Cisco IOS XE w/ secure boot & Trustworthy Solution
- Universal PoE+ & PoE Analytics
- Switch power optimization & FMP-ready
- On-device ThousandEyes App hosting

Cisco C9350 Smart Switch



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

Cisco C9610 Smart Switch

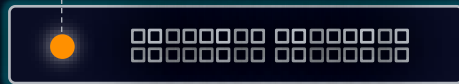


- 25.6 Tbps System bandwidth
- 256x100G Modular Line-Cards
- <5 μ s Latency
- 10 slot To power the core

Cisco Enterprise Switching Portfolio

A model for every use case

End Of Sale



Legacy

Access

C2960-X/XR

C3650/3850

C4500-E Series

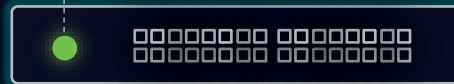
Core

C3850-XS/4500-X

C6850-X/6800-X

C6500-E/6807-XL

Current Generation



Catalyst 9000

C9200/L/X/CX

C9300/L/X/M

C9400/X

C9500/X

C9600

C9600X

Launching



Cisco Smart Switches

C9350 Smart Switch



C9610 Smart Switch



No plans to EoS / EoL any Catalyst 9000 switches

Statement of Direction

CISCO SECURE ROUTERS: AVAILABLE JUNE 2025

Cisco 8000 Secure Router for every size location



Small Branch: 8100

IPsec:
Up to 1.5 Gbps

SD-WAN:
Up to 1 Gbps

Threat Protection:
Up to 1 Gbps



Medium Branch: 8200

IPsec:
Up to 5 Gbps

SD-WAN:
Up to 4 Gbps

Threat Protection:
Up to 2.5 Gbps



Large Branch: 8300

IPsec:
Up to 30 Gbps

SD-WAN:
Up to 12 Gbps

Threat Protection:
Up to 7 Gbps



Campus: 8400

IPsec:
Up to 45 Gbps

SD-WAN:
Up to 22 Gbps

Threat Protection:
Up to 11 Gbps



Data Center: 8500

IPSec:
Up to 60 Gbps

SD-WAN:
Up to 23 Gbps

IPSec Scale up to 10,000

AVAILABLE JULY 2025

Introducing All New Industrial Ethernet Portfolio

Cisco IE3100/H

Cisco IE3500/H

Cisco IE9300

19 versatile form factors

54 Gbps throughput

720W per switch

Cyber Vision embedded security



Industrial switches for secure, AI-driven operations

Future proof networking for new industrial use cases

NEW!



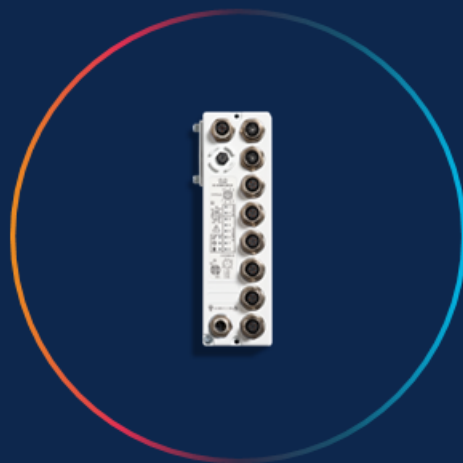
6 New DIN-rail Switches
and 8 Expansion Modules

NEW!



8 New IP67
Switches

NEW!



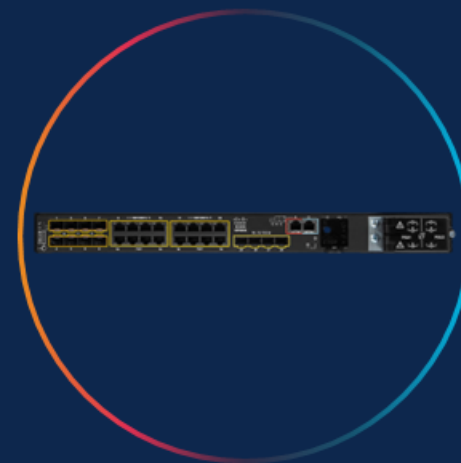
2 New Compact
IP67 Switches

NEW!



2 New Compact IP30
Switches with 4PPoE

NEW!



1 New Mixed-port
Rackmount Switch

19 new industrial switches enabling new industrial automation use cases

Thank you!