Agents of Change: Optimizing Every Workplace with Agentic Ops

ılıılı CISCO

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AI-Ready Data Centers



Future-Proofed Workplaces

Secure Global Connectivity



Digital Resilience



<<<<< Accelerated by Cisco Al >>>>



Another massive technology disruption

Mobility

Internet

Cloud

Proliferation of agents

1,000s

Al Agents per Enterprise expected

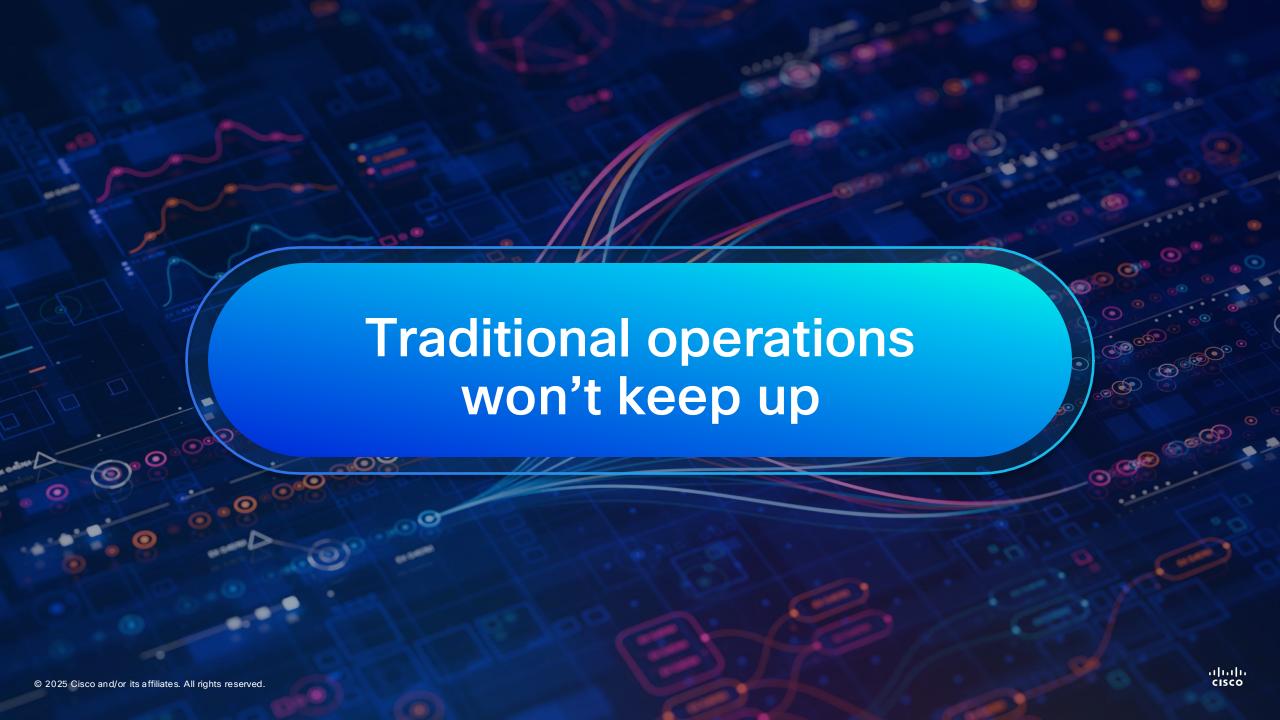


Profound skill shortage

64%

of organizations face IT skills shortage by 2026

Source: Gartner



Operational simplicity powered by Al



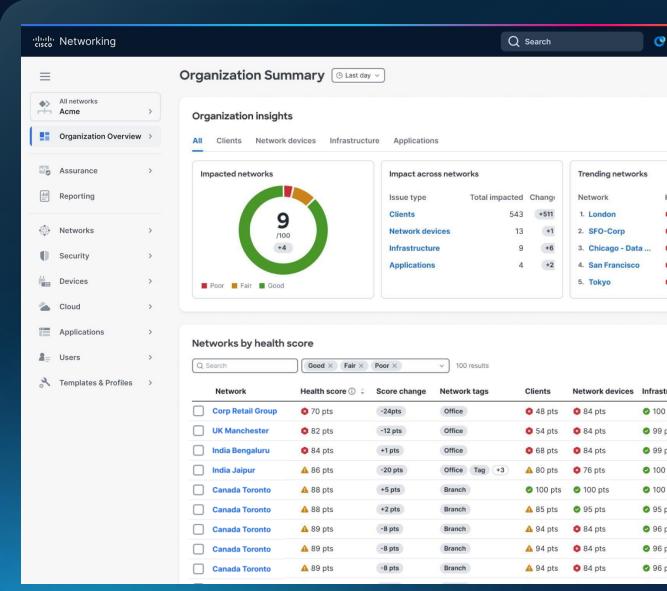
Unified management to simplify operations

Management Assurance API / Integrations **PLATFORM** Intelligence - AgenticOps **HARDWARE** Smart Secure Industrial Wireless **Switches** Routers IoT

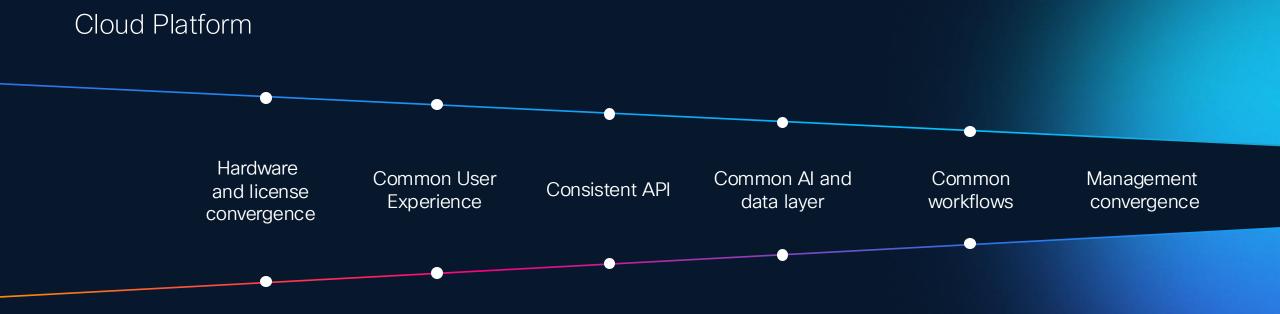
Cisco networking platform

Unified network management with flexible deployments for cloud, on-prem, and hybrid

- Unified management experience
- Enterprise campus capabilities and scale
- Al-powered automation and assurance



Journey to network platform convergence



On-Prem Platform

Unifying our platforms to simplify operations

Catalyst

Catalyst Center

Catalyst License

Catalyst Hardware

MANAGEMENT

LICENSE

CISCO HARDWARE

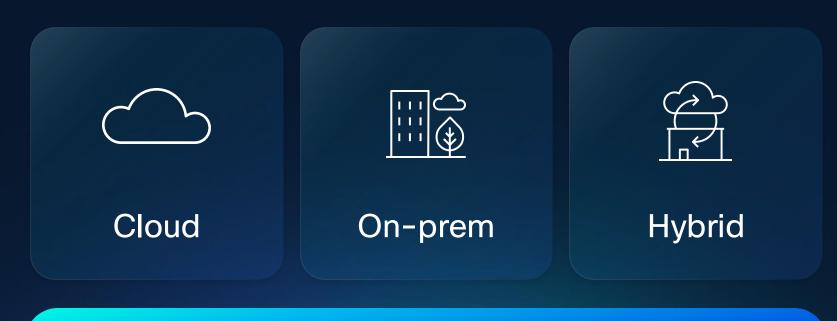
Meraki

Meraki Dashboard

Meraki License

Meraki Hardware

A platform strategy that meets customers where they are



ONE HARDWARE | ONE LICENSE | ONE SUPPORT

Expanded cloud management for Catalyst portfolio



Wireless

Full wireless support
Scale large campus wireless
with Campus Gateway

AVAILABLE NOW



Switching

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

C9200 and C9500 – AVAILABLE C9610, C9600, C9400 – BETA | DEC



Routing

Next-gen routing support coming

ALPHA | NOW

Cloud management powered by cloud-native IOS XE



Industry's largest networking platform

Unmatched real-world intelligence for smarter Al insights, proven reliability, and faster problem solving

38 Million Managed Devices

8M+
Switches

25M+
Access Points

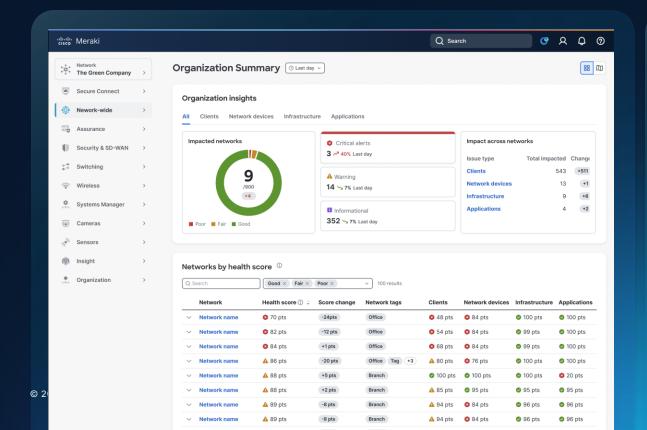
2M+
Routers

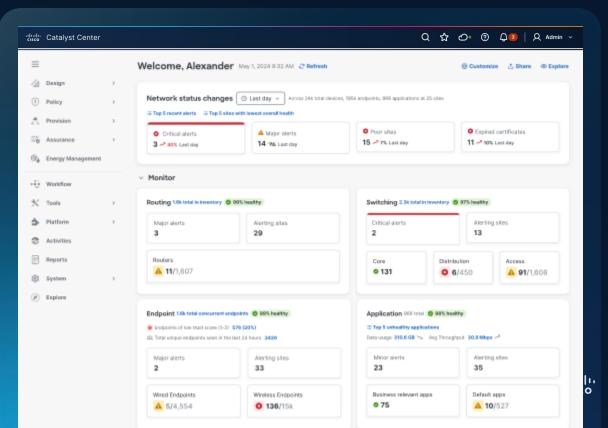
1B+
Connected Clients

4T+
Datapoints per day

Common experience

Bringing together the power of Catalyst and simplicity of Meraki





Large campus cloud capabilities

Powerful Switching Capabilities



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

BETA NOW

Fabric for Secure Networking



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

BETA | NOV

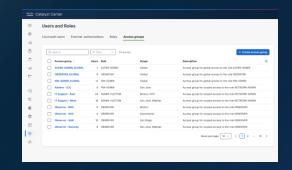
Cloud CLI for Flexibility



Simplify onboarding and flexibility with operating mode options and Cloud CLI

Catalyst Center - Securing and optimizing operations

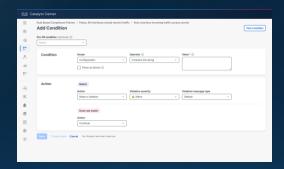
Granular Role-Based Access Control



Enable secure, granular user access based on Site Scope

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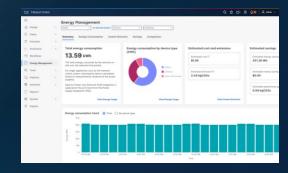
Rule-Based Compliance



Custom compliance rules and to detect issues network-wide

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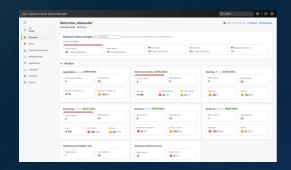
Energy Management



Optimize energy usage and save costs with standardized energy metrics and insights

Catalyst Center - Scaling with flexibility and automation

Catalyst Center Global Manager



Streamline global network management from a single dashboard

AVAILABLE NOW

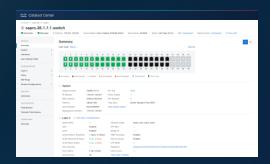
Virtual Appliance Support for Azure



Deploy a virtual appliance on Azure for operational flexibility

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Campus Automation



Enable device-by-device feature learning and configuration

APIs and Apps to automate operations

API / Integrations Management **Assurance PLATFORM** Intelligence - AgenticOps **HARDWARE** Smart Secure Industrial Wireless **Switches** Routers IoT

Cisco Networking APIs and integrations



2,000+

API Endpoints

400 new APIs launched in 2025

100K

API Customers

+19% YoY

15B+

API Calls

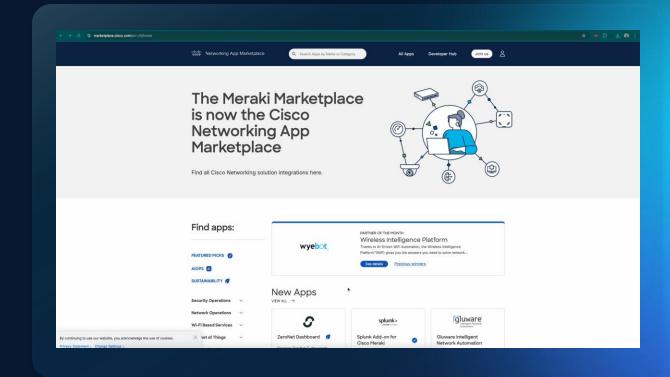
+23% YoY

	splunk>	Hashicorp Terraform	ANSIBLE	servicenow	PagerDuty
Catalyst Center	✓ Updated	√	\checkmark	✓ Updated	\checkmark
Meraki	✓ Updated	√ Updated	\checkmark	√ Updated	√

Cisco Networking App Marketplace

Largest exclusive catalog of turnkey apps to unlock new business outcomes

- 350+ apps offer custom-built automation, insight and security
- APIs integrate workflows across all Cisco platforms
- Al-driven apps drive operational efficiency





PagerDuty

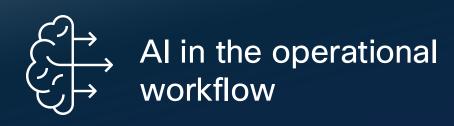




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Al at every layer



Al in the control plane

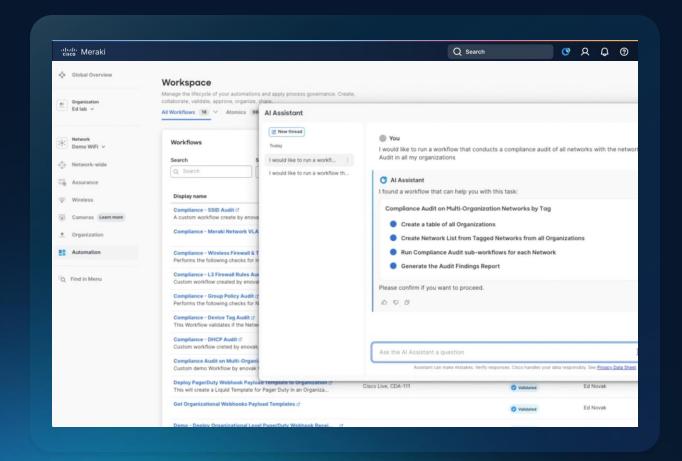


Al in the network stack

Agentic workflows

Agentic automation across cloud and onprem deployments

- Al-powered automation natively in the Meraki dashboard
- Leverage built-in Al Assistant integration for agentic operations
- Automate workflows across Meraki, Catalyst Center, Catalyst SD-WAN Manager, ISE, Nexus, and more



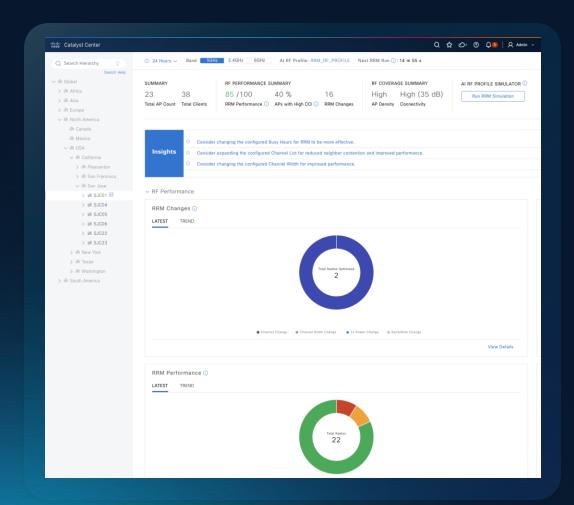


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Wireless optimization with AI-RRM

Al-powered RF intelligence without the manual work

- Get instant visibility into RF performance, saving time and costs
- Proactively optimize and fine-tune wireless configurations
- Deploy AI-RRM in minutes no device provisioning or network configs needed

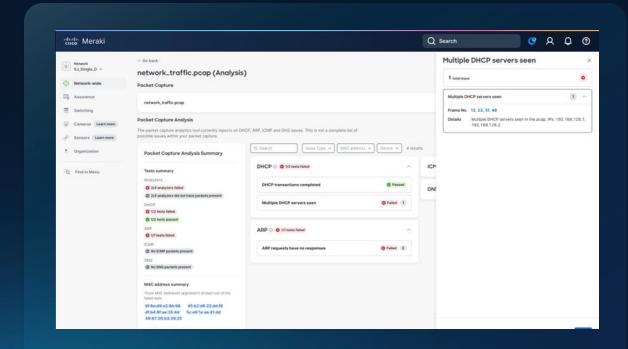




Accelerating issue resolution with Al

Speed up insights and troubleshooting with Intelligent Capture and Al Packet Analyzer

- Automate troubleshooting workflows for efficient network management
- Transform vast amounts of networking data into clear, concise, and actionable insights
- Avoid previously manual 3rd party application usage for packet analysis

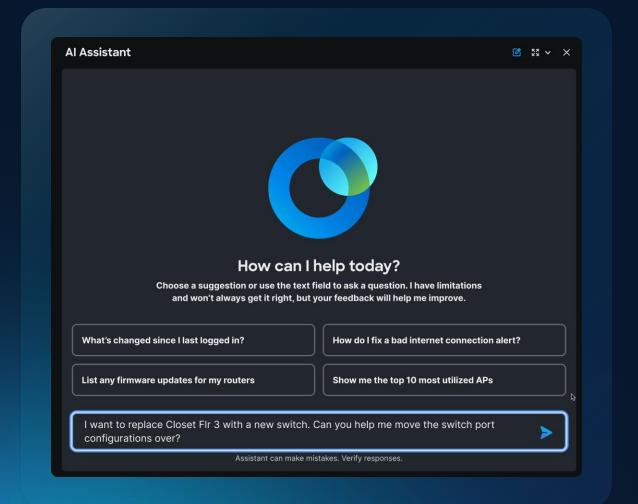




New networking skills for Al Assistant

Seamless monitoring, troubleshooting, and management across Cisco architectures

- Ask, explore, and act in natural language
- New automated workflows for config changes and switch migrations
- New integrated assurance capabilities



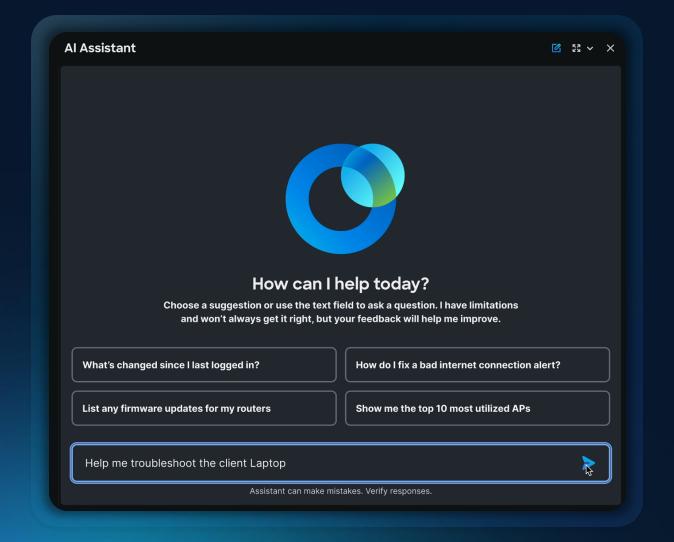


Rapid troubleshooting and RCA

Finds root cause—not just the alert

Provides full stack visibility

Pinpoints the issue and guides the fix



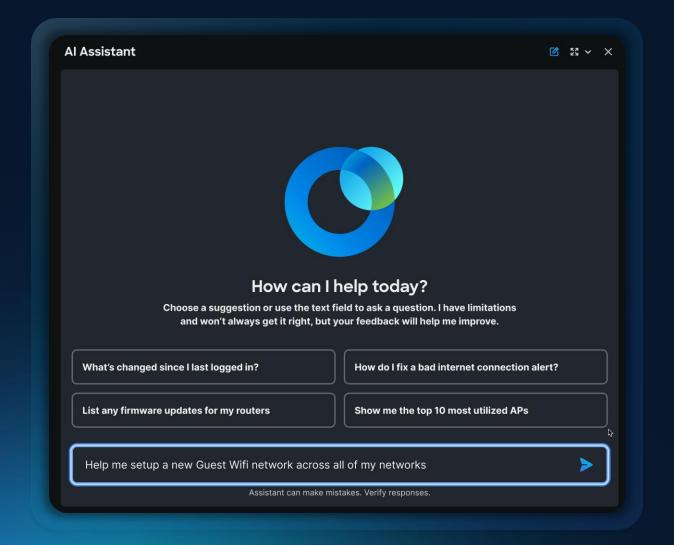
AVAILABLE NOW

Automated workflow for Wi-Fi setup

Creates secure SSIDs with 802.11X and RADIUS

One prompt updates NAC across Meraki and ISE

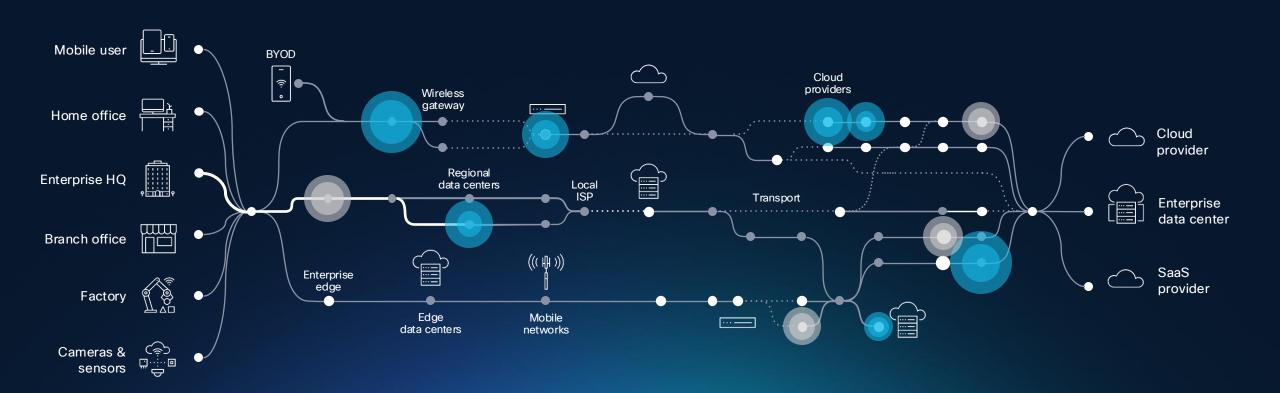
Automates end-to-end access control



Multilayered assurance to simplify operations

API / Integrations Management **Assurance PLATFORM** Intelligence - AgenticOps **HARDWARE** Smart Secure Industrial Wireless **Switches** Routers IoT

Digital experiences span owned and unowned networks



Assuring every digital experience



Delivering multilayered assurance



Experiences now span mobile, cloud, and edge-visibility must follow

Measure where it matters

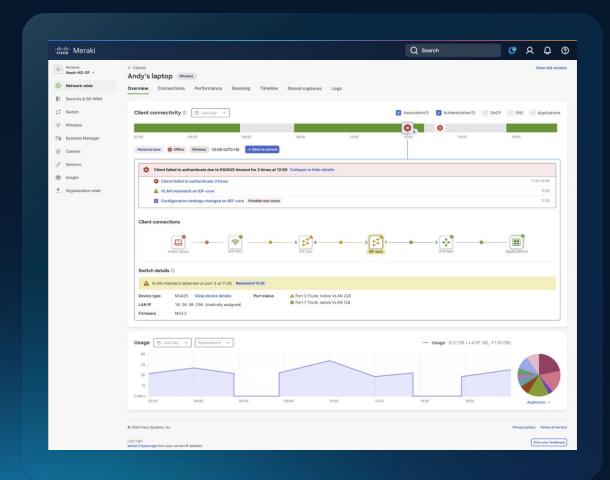
See every part of the path

Contextualize the source

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Assurance across every digital experience

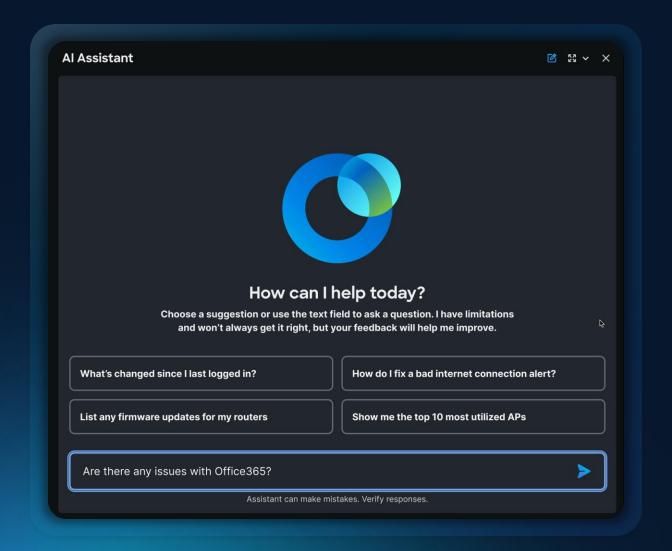
- Deep visibility into both owned and unowned networks
- Al-powered insights surface experience-impacting issues instantly
- Closed-loop workflows trigger automated remediation
- Al Assistant accelerates root cause analysis end-to-end





Proactive assurance and insights

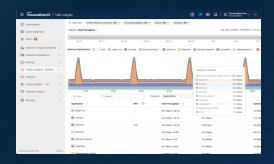
- End-to-end visibility across owned and unowned networks
- Full-stack insight into users and applications
- Predicts and pinpoints issues before they impact performance





Deep visibility from campus to mobile to industrial

ThousandEyes Traffic Insights



Smarter visibility and planning for enterprise networks

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ThousandEyes Mobile endpoints



Extends Assurance to mobile endpoints

AVAILABLE NOW

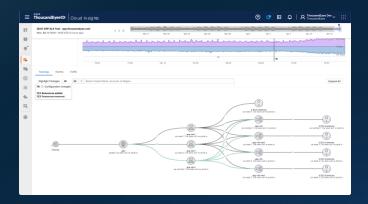
ThousandEyes Industrial Devices



Assurance for the industry's largest Industrial IoT portfolio

End-to-end insight from public clouds to app paths

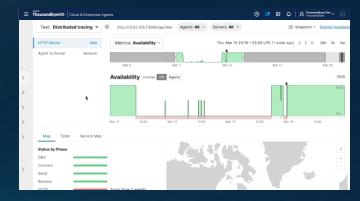
ThousandEyes Cloud Insights



Deeper visibility into Microsoft Azure (new) and AWS environments

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ThousandEyes + Splunk



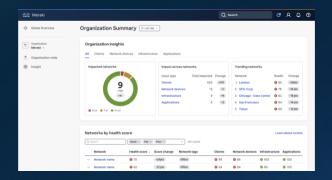
End-to-end app to network assurance

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Real-time clarity from the client to enterprise-wide

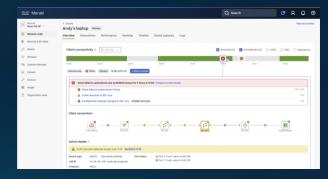
Organization-wide assurance visibility



Visibility across every site—spot trends, surface issues, drill into site-level detail

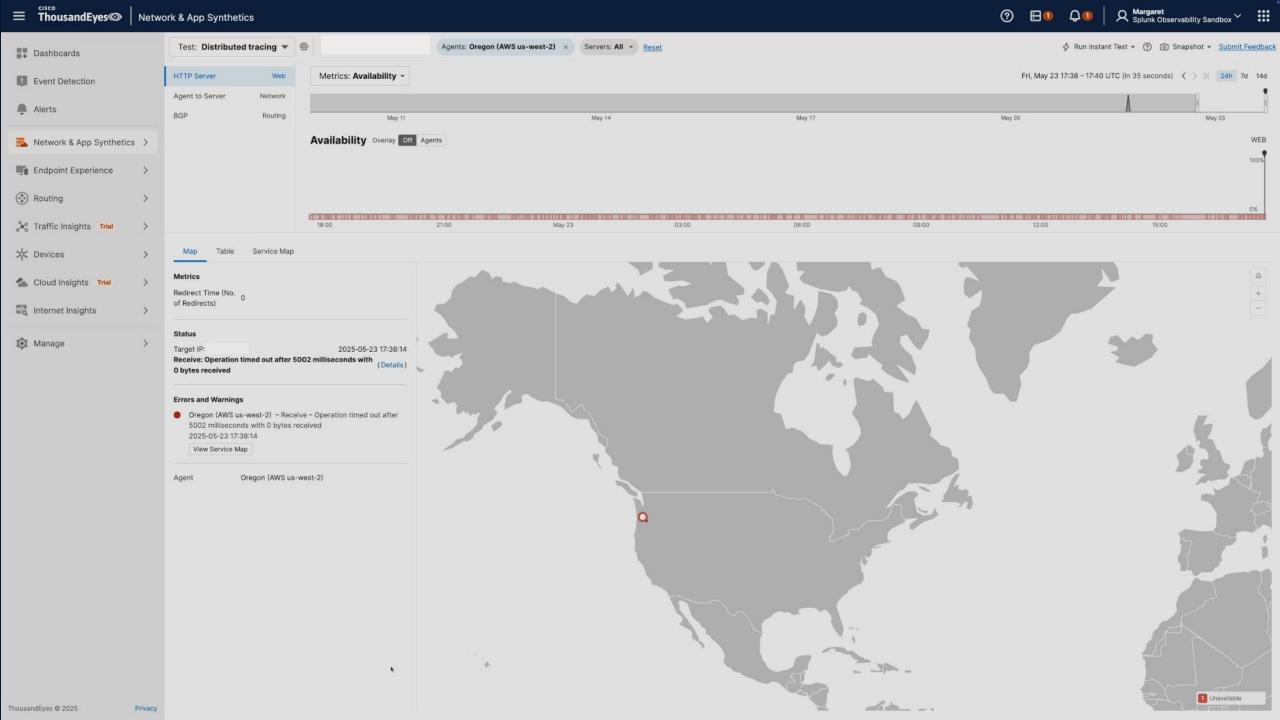
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Client-side assurance insights



End-to-end visibility for every individual client

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Our unified platform

Management API / Integrations Assurance **PLATFORM** Intelligence - AgenticOps **HARDWARE** Smart Secure Industrial Wireless **Switches** Routers IoT

Purpose-Built Decision Model with Continuous Learning

INTRODUCING

AgenticOps Agent-First Operations

Cross Domain Operations

Autonomy with oversight

Deep network model the most advanced networking LLM

Purpose-Built for Networking

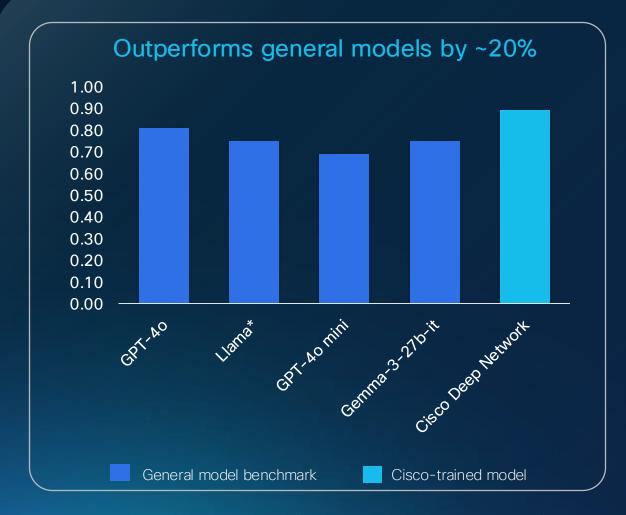
Up to 20% more precise reasoning for troubleshooting, configuration, and automation.

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

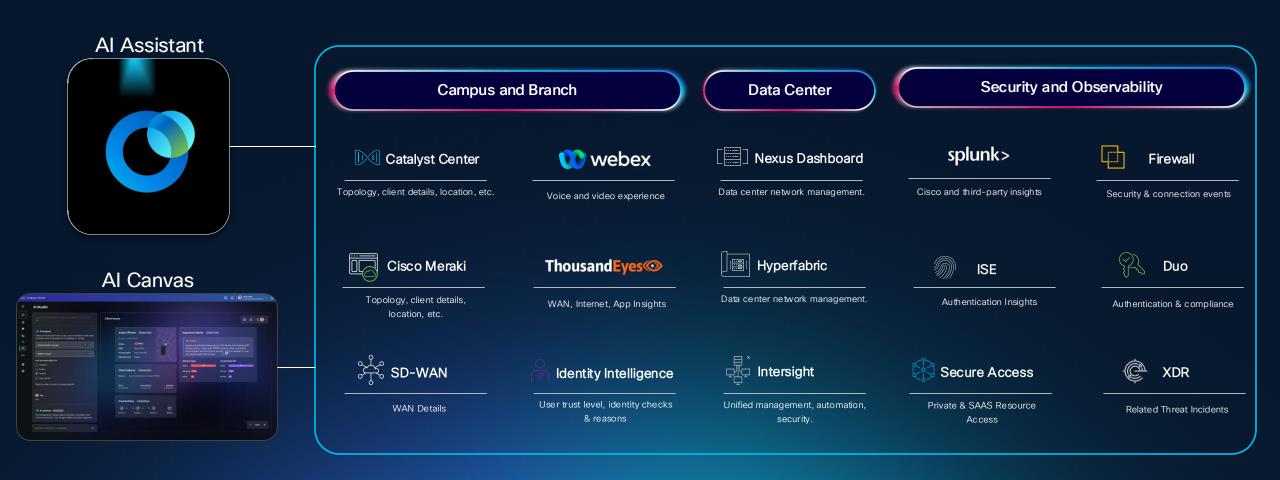


Al Canvas

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



Al Canvas is the AgenticOps Platform



Agents Empower LLMs to Solve Real-World Problems

Al Agents reason on problems and use tools to solve them



Agents LLMs, and Tools -



Capabilities

Reason and Troubleshoot

Works with Agents & Tools

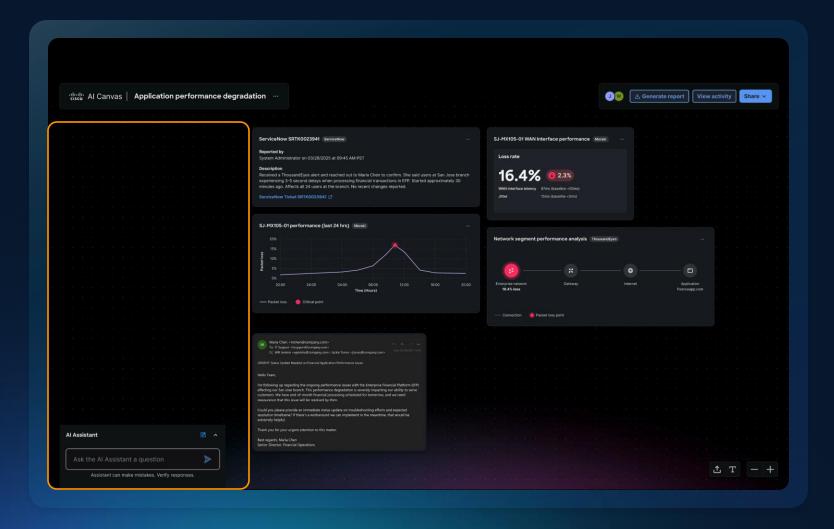
Automate Your Network

Talk to Your Network

Al Assistant embedded in Al Canvas

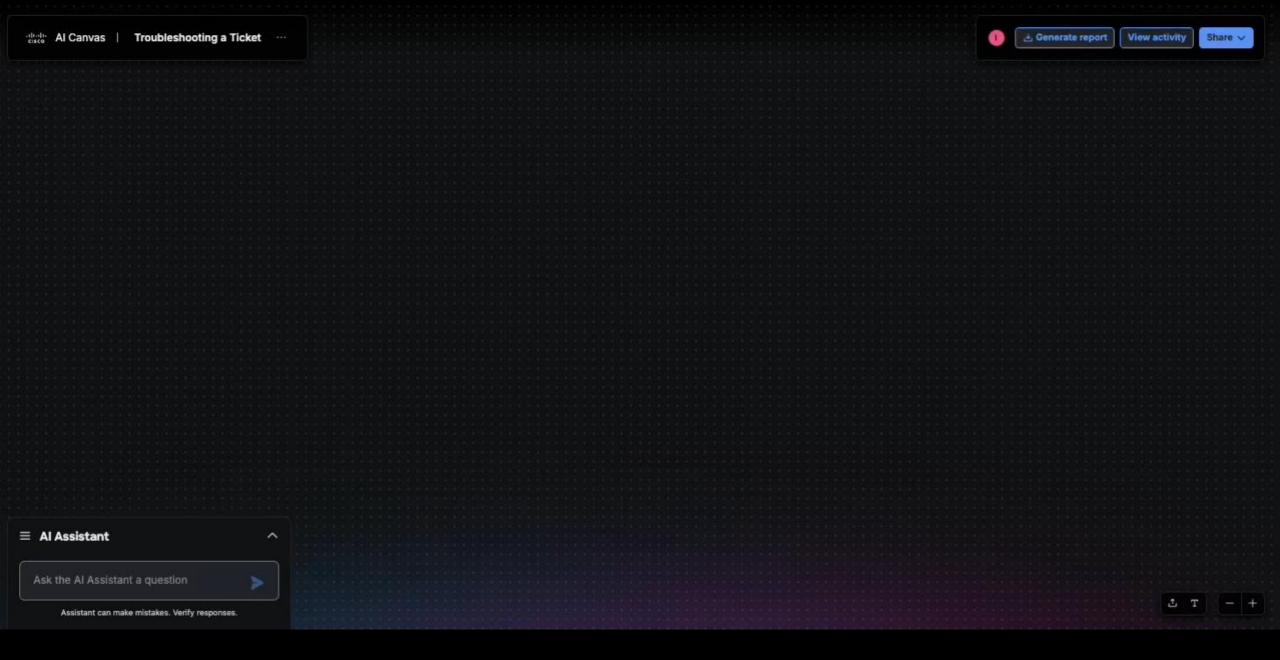
Interface to ask and explore in natural language

Guides you through diagnostics, decisions, and action inside the Canvas



Al Canvas







Al Canvas | Troubleshooting a Ticket ---



View activity







get details from servicenow SRTK0023941



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

HDI - https://online.houtique.us.

Ask the Al Assistant a question

Assistant can make mistakes. Verify responses.

ServiceNow SRTK0023941 ServiceNow

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Affected Service: Online Boutique Financial Service

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

Incident Type: Network Performance

Priority: P1

ID: 234945

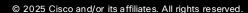
Automated diagnostics: [Meraki Organization ID: 537758 Device Name: BRANCH-CHI-MDF1.1-MX68CW Thousand Eyes Test ID: 6927645 Thousand Eyes Agent Name: Chicago Thousand Eyes Account Group ID: 1204541 Thousand Eyes Test Start Date: 2025-05-04T01:16:00Z Thousand Eyes Test End Date: 2025-05-04T01:17:00Z application_host_name: online-boutiqueus.splunko11y.com)

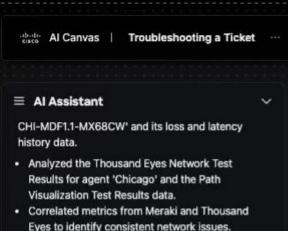




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CISCO





 Key metrics observed: Meraki Loss: 32.44% to 42.78%, Latency: ~91 ms, Jitter: varied;

Thousand Eyes Avg Latency: 238.0 ms, Jitter: 1.5

Remediation Suggestions: The path view confirms our internal network issue. This is completely within our control to fix. Here are some solutions

. Configure QoS on the MX device to prioritize the

Limit non-essential traffic during business hours.

· Add DSCP tags to application traffic for network-

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 Organization ID: 537758 Device Name: BRANCH-CHI-MDF1.1-MX68CW Thousand Eyes Test ID: 6927645 Thousand Eyes Agent Name: Chicago Thousand Eyes Account Group ID: 1204541 Thousand Eyes Test Start Date: 2025-05-04T01:16:00Z Thousand Eyes Test End Date: 2025-05-04T01:17:00Z application_host_name: online-boutiqueus.splunko11y.com]









The end-to-end network analysis is complete. Act on the provided remediation suggestions. Please escalate to an expert if the problem still persists.





ms, Loss: 43.5%.

application traffic.

wide priority.

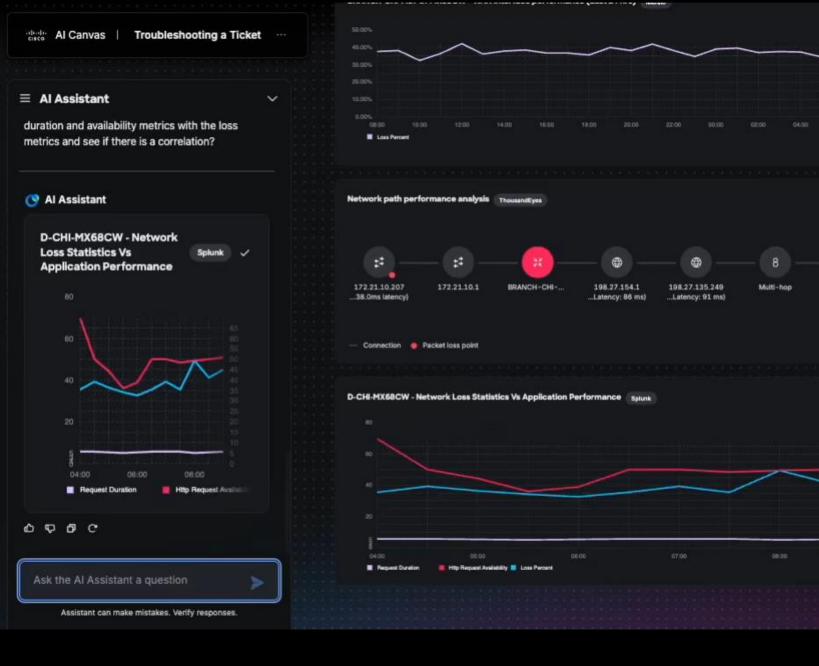
you can implement immediately:

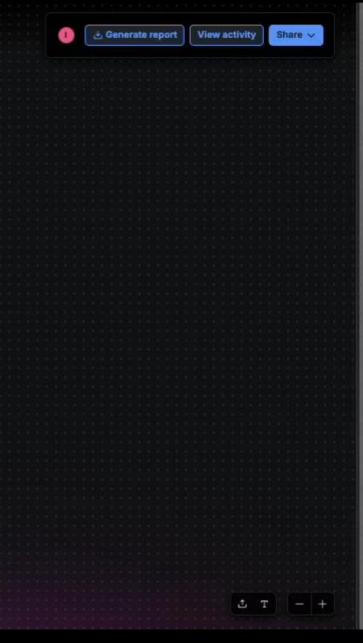




Ask the Al Assistant a question

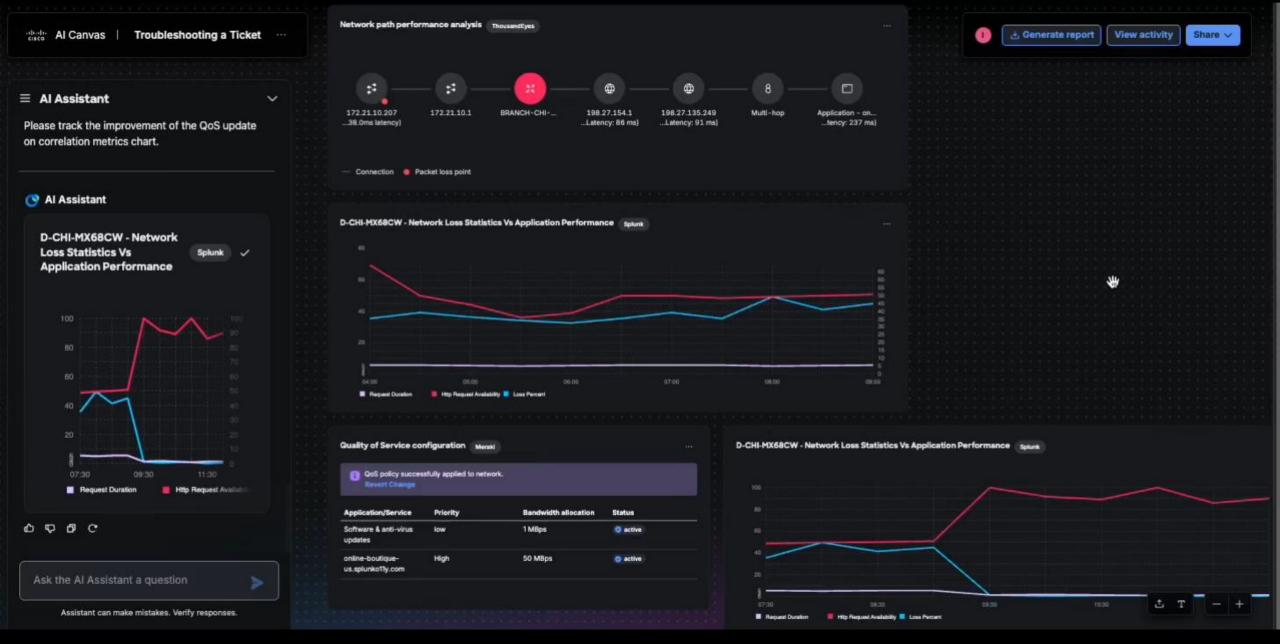
Assistant can make mistakes. Verify responses.





Application - on...

...tency: 237 ms)



AgenticOps The New Standard for IT Operations

ALPHA I OCTOBER



Al Canvas

Cross-domain collaborative troubleshooting

AVAILABLE OCTOBER



Al Assistant

Accelerate network operations

POWERED BY DEEP NETWORK MODEL

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

Catch critical issues early with Al that sees across the stack.

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

Troubleshoot faster together with shared context across teams.



Unifying experiences and future-proofing networks



Unified Hardware

Flexible deployment: cloud, on-prem, or hybrid—same hardware



Unified Licensing

Common licensing for cloud, on-prem unlocks advanced features across platforms

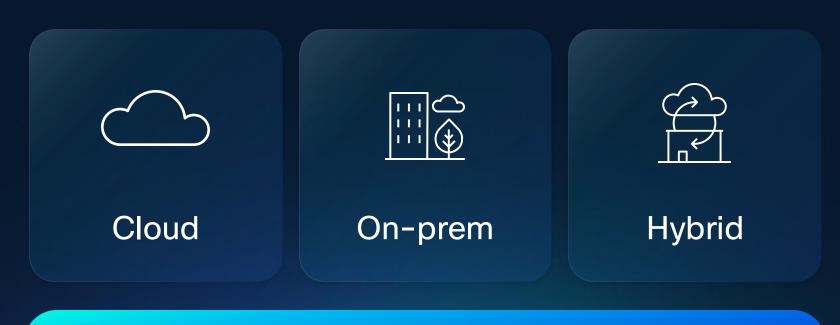


Unified Support

Reliable support included, with optional RMA upgrades



A platform strategy that meets customers where they are



ONE HARDWARE | ONE LICENSE | ONE SUPPORT



Let's talk next steps



Start an Al-readiness assessment

Work with our experts to plan your new architecture



Sign up for the Al Assistant

Get in queue to activate Al Assistant for your org

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Start a free product trial

Speak with your Cisco account team to get started



CISCO Connect

Thank you



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