CISCO Connect

From Manual Operations to AgenticOps

Redefining data center operating model

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Obserservability & AgenticOps SE Director, @social



September 2026

"...this year roughly **60% of the global AI compute capacity** will be used for inference."

- Dr. Lisa Su, Chair & CEO, AMD

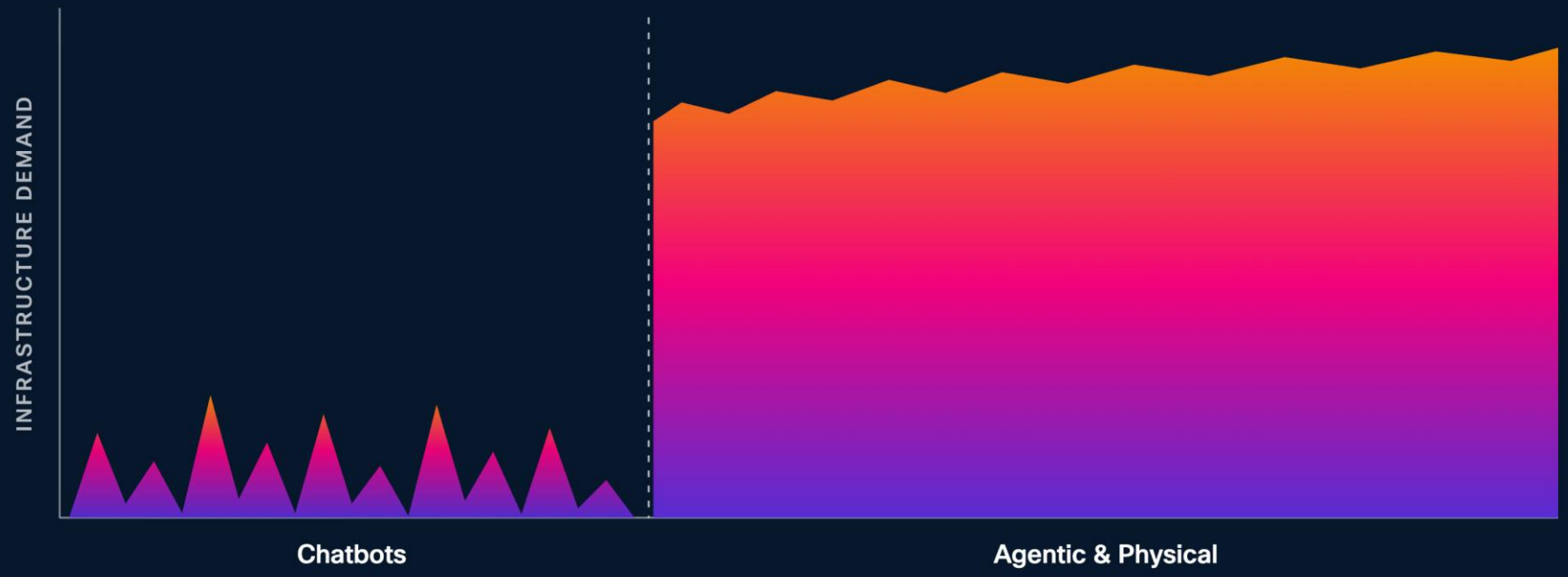
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Inference is the new workload

Agents are the new workforce

Tokens are the new currency

Control is the new moat



AGENTS OPERATE AT MACHINE SPEED & SCALE

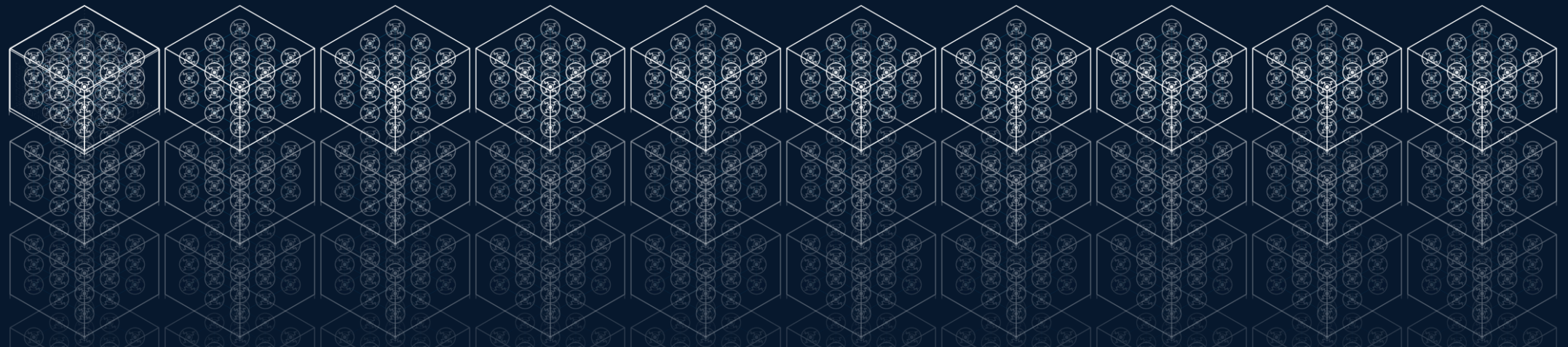
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Inference is the new workload

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10,000s

of devices in one organization

→

Trillions

of agents, each spawning more

→

450%

more traffic per agent than per human

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The bottleneck: scale limitations

AI workloads hit the data center with 10x the scale, data, cost, and complexity.

THE INFLECTION POINT

10x

Operational Pressure

Legacy infrastructure breaks under the asymmetric demand, data velocity, and density that generative AI requires.

Siloed Operations
Disconnected tools and dashboards across networking, security, observability, and compute. No way to correlate signals.

Beyond Human Scale
Signal volume outpaces triage. Manual workflows inflate MTTR and stall resolution.

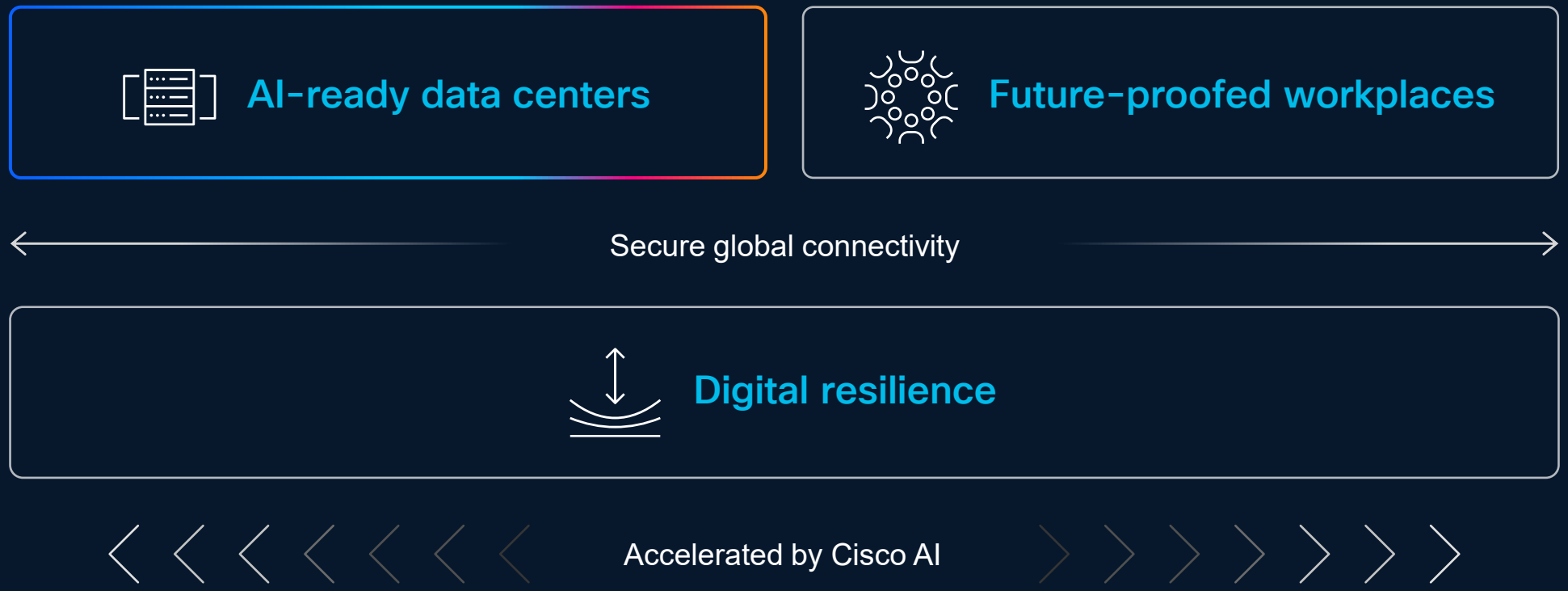
Compounding Risk
Config errors, asset blind spots, and compliance drift accumulate.

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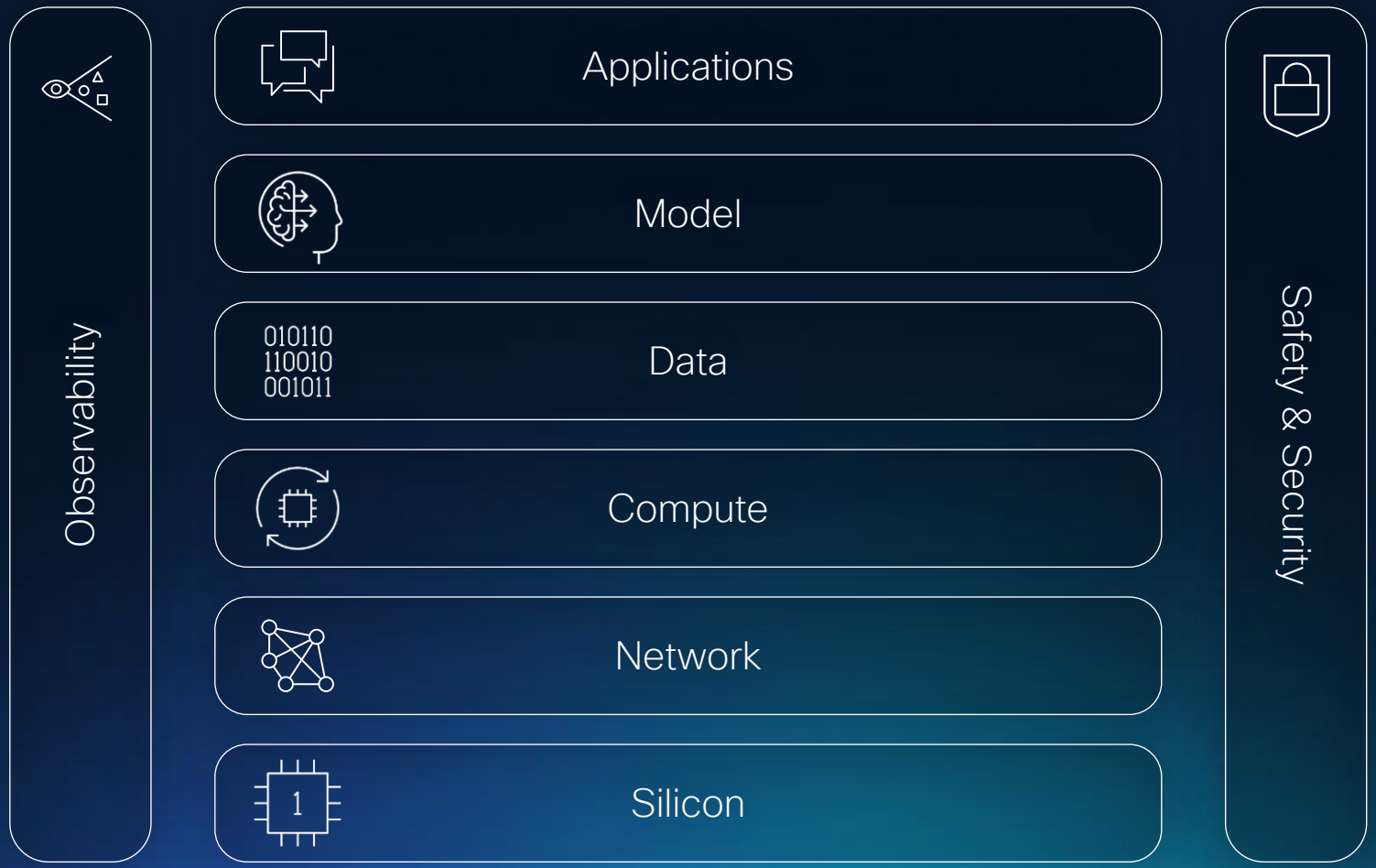
Can your data center operations
scale for AI?

Cisco powers how people and technology work together across the physical and digital worlds



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Cisco is the **critical infrastructure for the AI era**



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The world runs at AI speed.
Your operations run at the speed of tickets.



AI speed

Code ships itself
Threats move autonomously
Workloads spin up in seconds
Users expect instant everything



Ticket speed

Manual workflows
Change windows
Tuesday reviews
Reactive firefighting

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AgenticOps

Cisco Cloud Control

AI Assistant | AI Canvas | Studio | Cisco dashboards | Third party & APIs



Cross-domain telemetry



Purpose-built models



Trusted agents

The AgenticOps Foundation

Cisco Silicon One™

High-fidelity data for intelligent, proactive operations

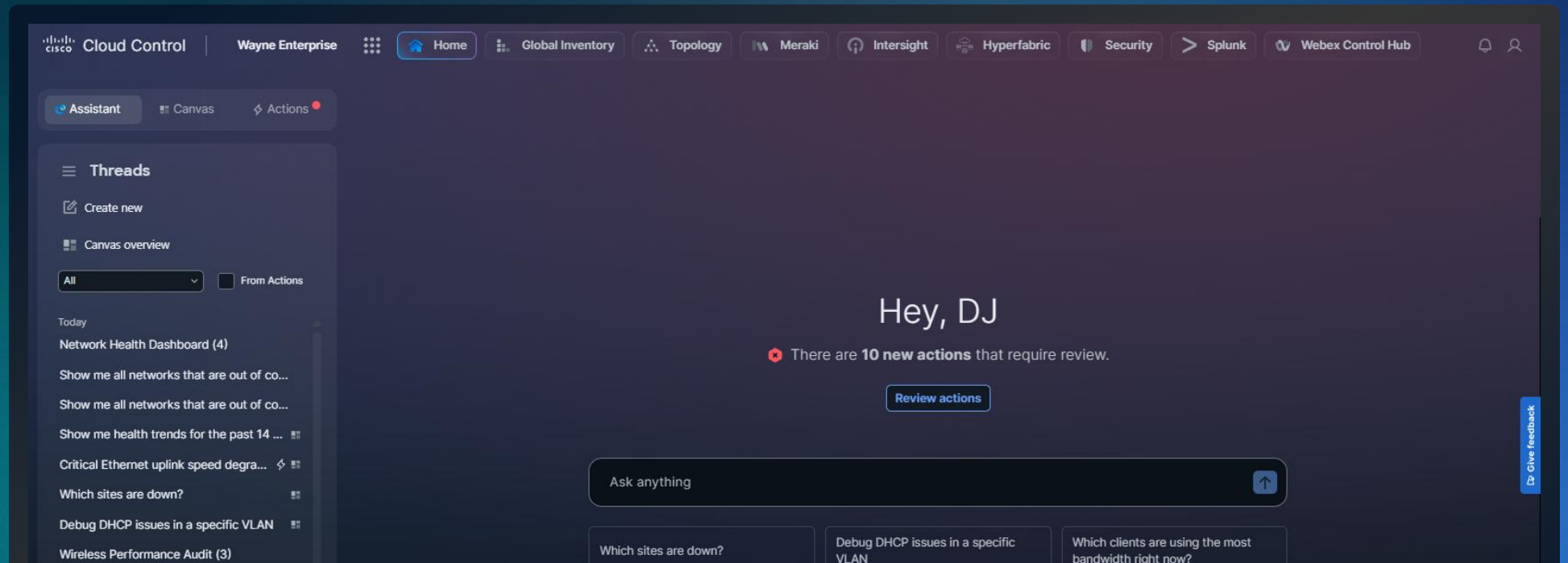
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Cisco Cloud Control

One platform. Every domain. The foundation everything else is built on.

Meraki · ThousandEyes · Security Cloud Control · Splunk · Nexus Dashboard · Catalyst SD-WAN · Intersight · Webex · IQ · & more



Cisco Cloud Control

The management console for AgenticOps

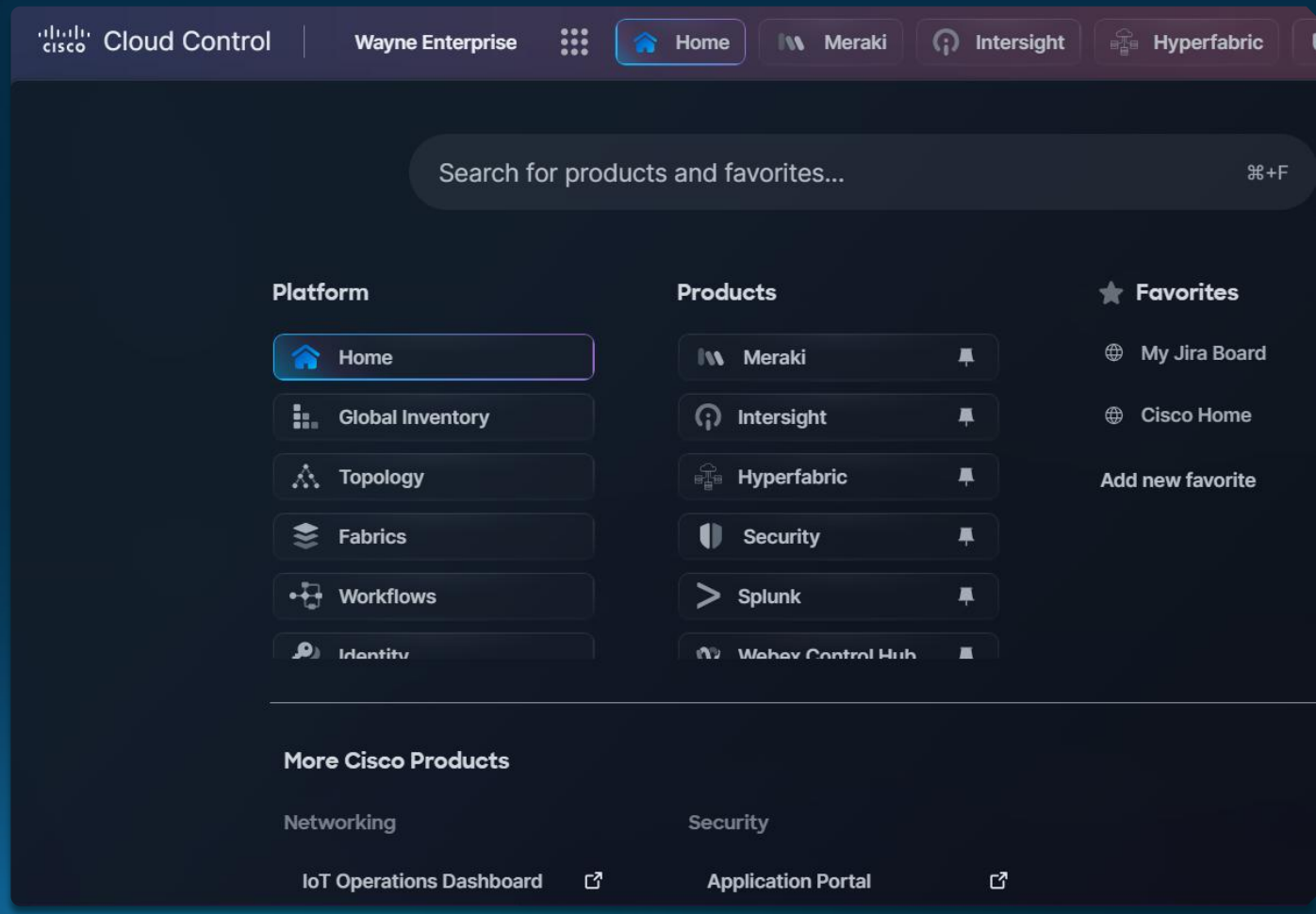
One login
Sign in once. See everything.

One inventory and topology
Every asset. See how it all connects, in real time.

One view for alerts
Actions correlates alerts across every product.

One assistant
Quick answers and tasks with AI Assistant.

One agentic workspace
Investigate, execute and resolve with AI Canvas.



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Actions

Every alert, correlated and actionable

Alerts with answers

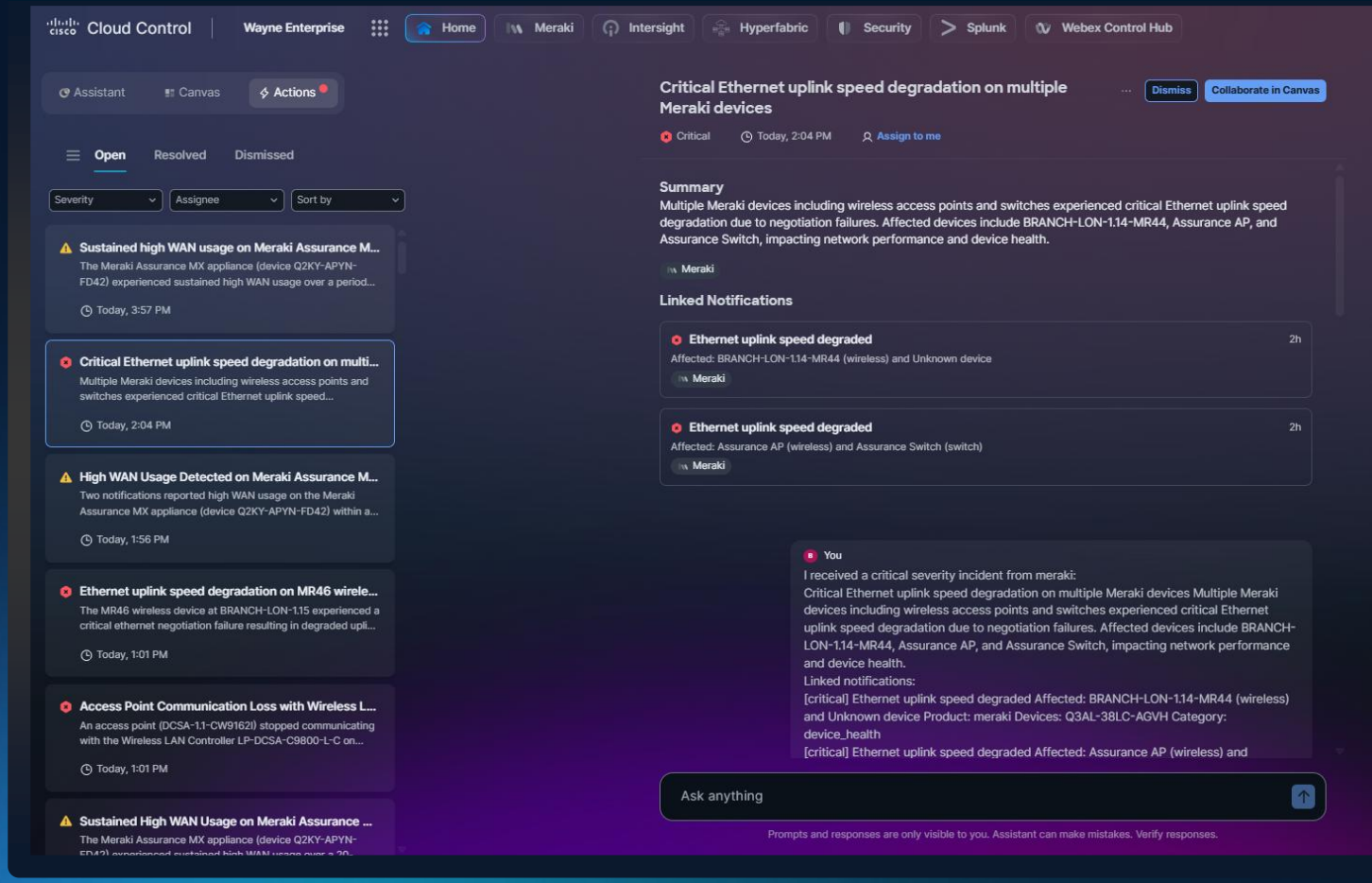
Alerts correlated across domains, paired with recommended next steps.

Personalized to how you operate

AI surfaces what matters most to you, today.

Investigate or escalate with AI

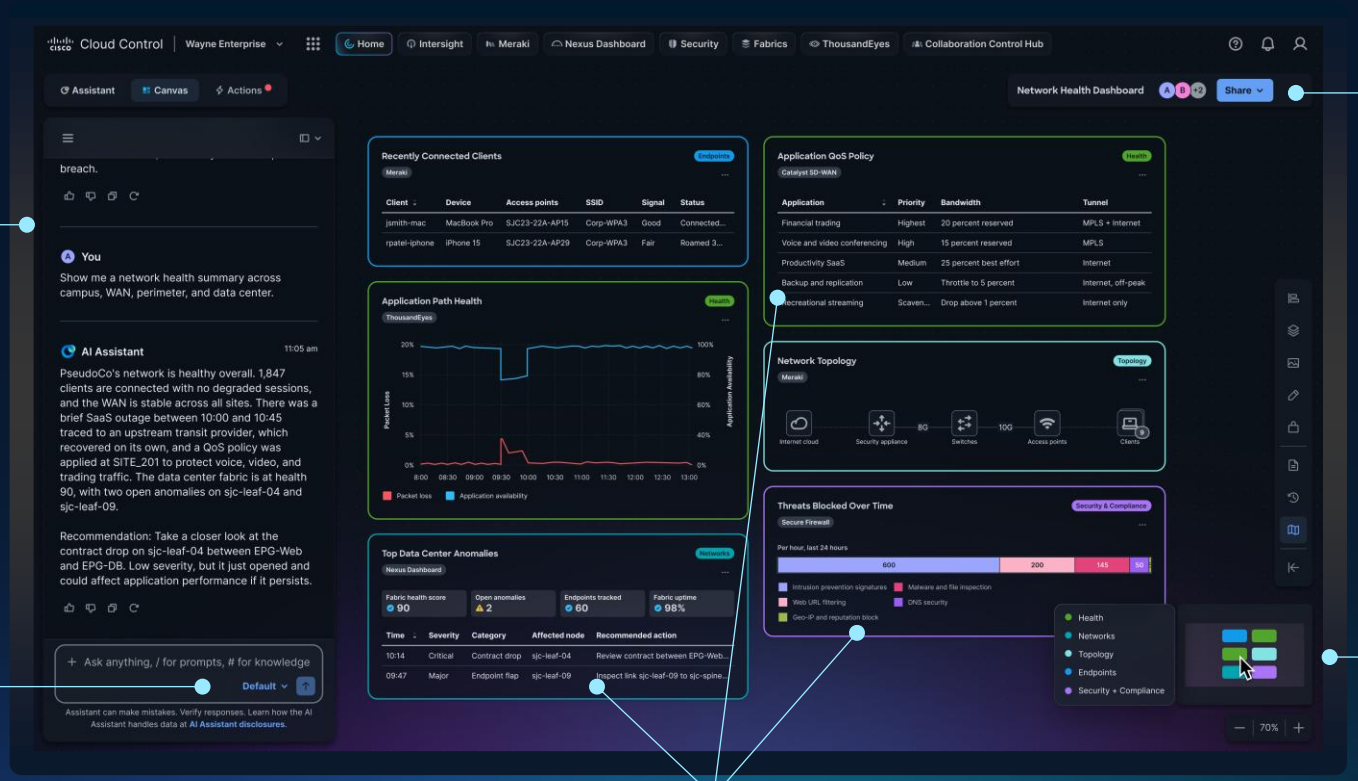
Dig deeper with the AI Assistant, or open AI Canvas with full context preserved.



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AI Canvas

A workspace purpose-built for the operator



Conversational interface

- Ask questions in natural language
- Watch agents reason live

Agentic Modes

- Default for fast answers
- Reasoning for deep investigations

Multiplayer

- Share the board via link
- Everyone sees the same view

Board Organization

- Widgets color coded by category
- Mini-map for ease of navigation

Widgets

- Visualize topologies, charts, summaries, reports
- Drill into supported widgets to investigate further
- Export widgets as PDF

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AI Canvas | canvas-2025-08-06-17-47-42 ···

c Generate report View activity Share

AI Assistant

Get details from servicenow

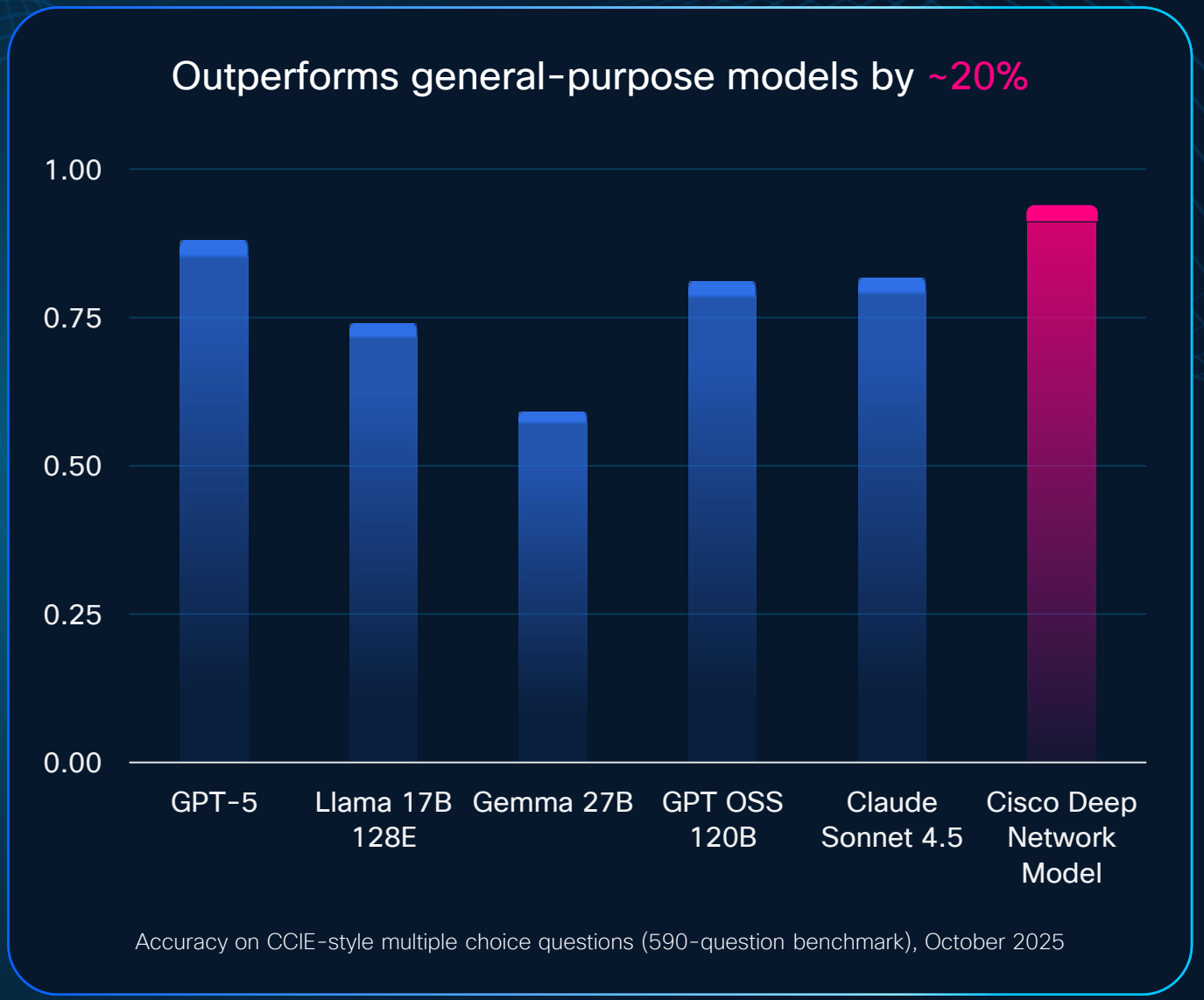
Assistant can make mistakes. Verify responses.

Analyze more efficiently and accurately with

Cisco Deep Network Model

The most advanced networking AI model in the industry. Purpose-built for networking with multimodal capabilities and understanding of how real networks operate – how configurations interact, how policies propagate, how failures cascade.

- Fine-tuned on 40+ years of expertise and expert-vetted for accuracy
- More precise reasoning for troubleshooting, configuration, and automation
- Up to 5x fewer tool-calls for troubleshooting tasks; up to 3x lower latency for networking Q&A



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Marketplace in Cloud Control

One platform. Every tool you need

Fast time to value

Pre-built, ready-to-deploy solutions. Go live in minutes, not months.

Work with your existing tools

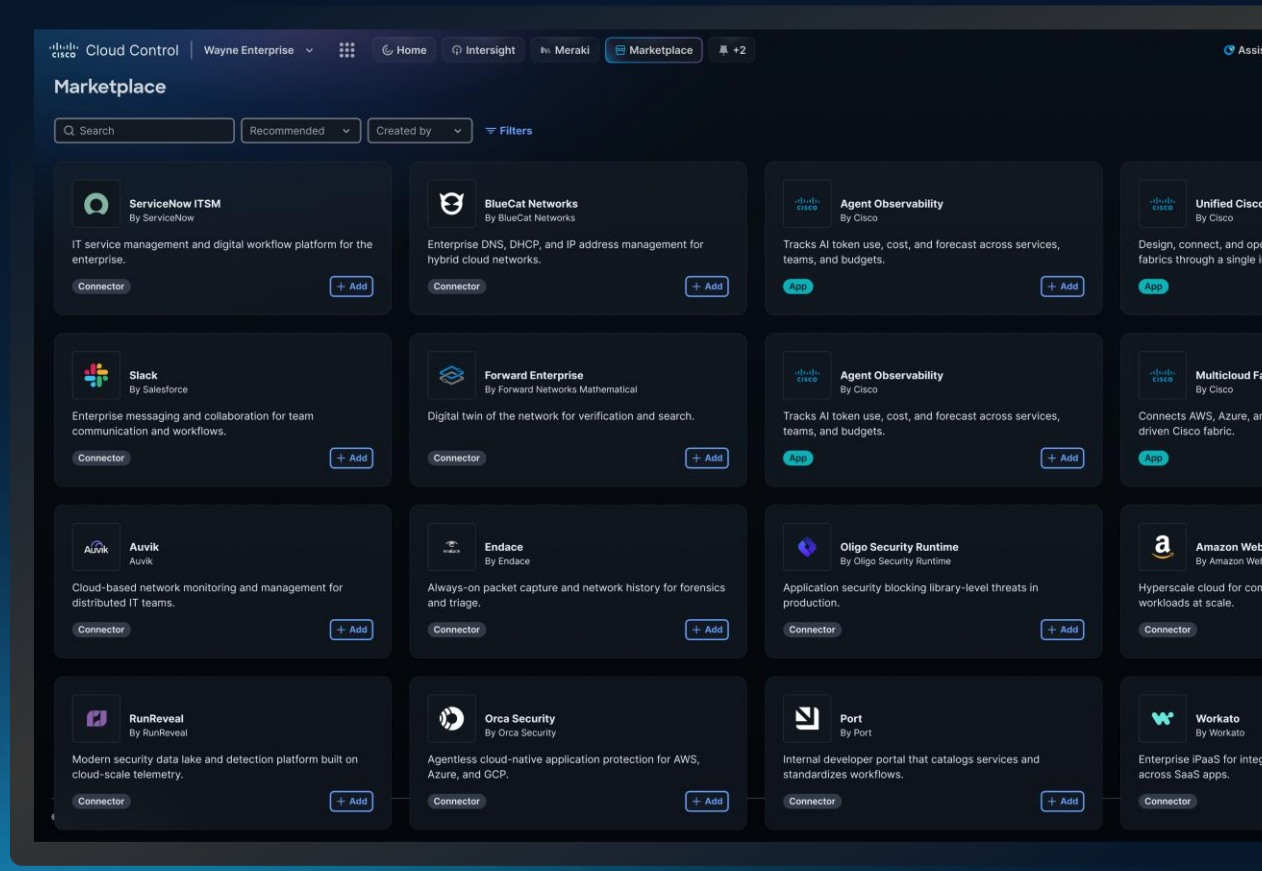
ServiceNow, Azure, Slack, Webex, and many more.

Built for your team

Solutions tailored for Network Admins, IT Ops, MSPs, and System Integrators

Trusted & secure

Admin-controlled installs, pre-deployment validation, and centralized alerts



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Integrating into your ecosystem



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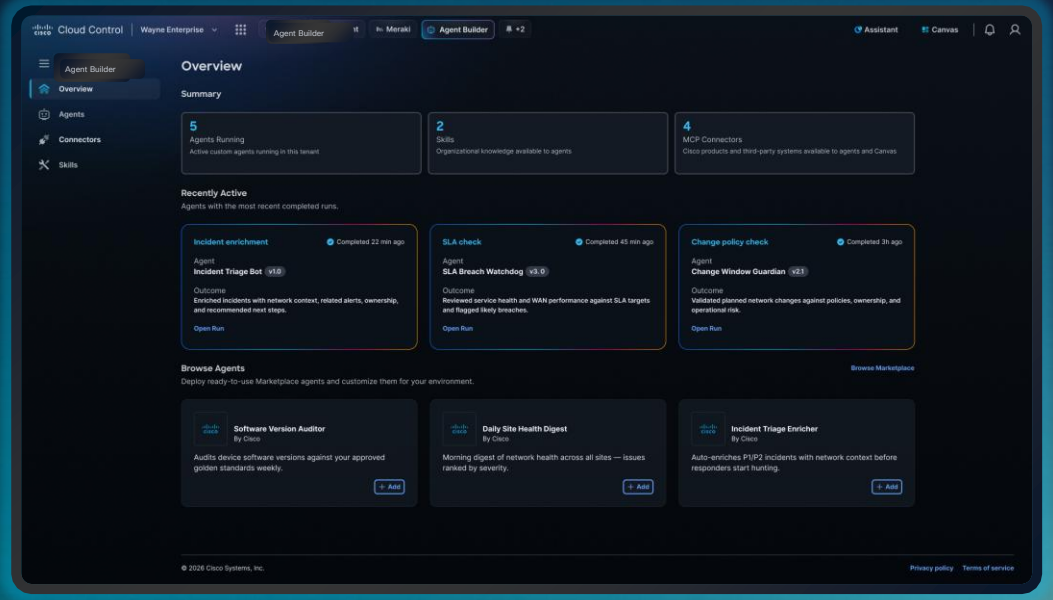
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Now in Alpha

Cloud Control Studio

Agent Builder

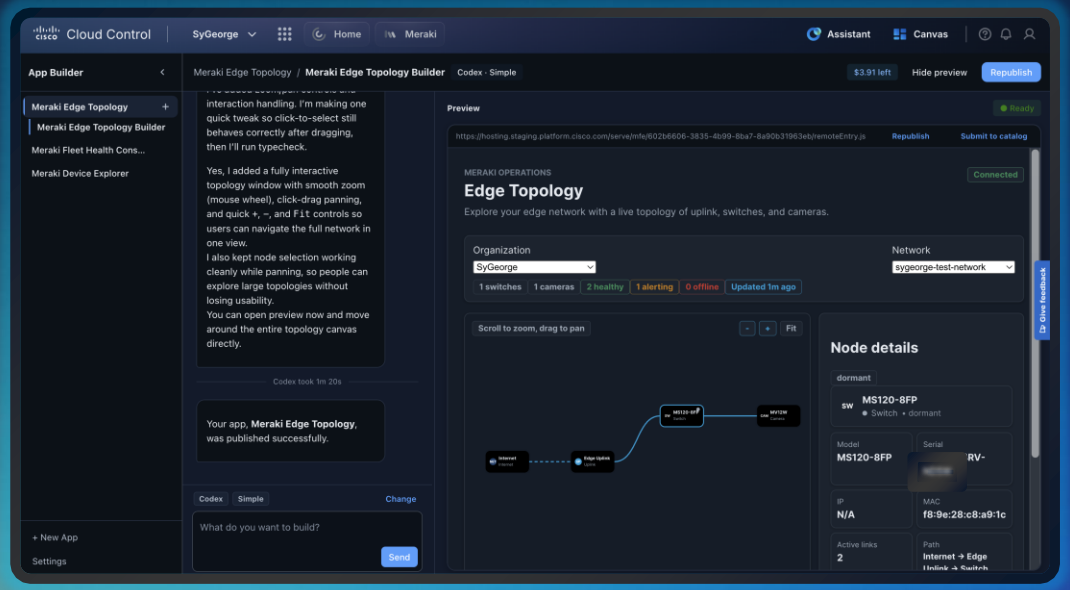
The build and design space for agents



Build, train, or bring your own agents.

App Builder

The build space for apps and workflows



Build apps quickly with OpenAI's Codex

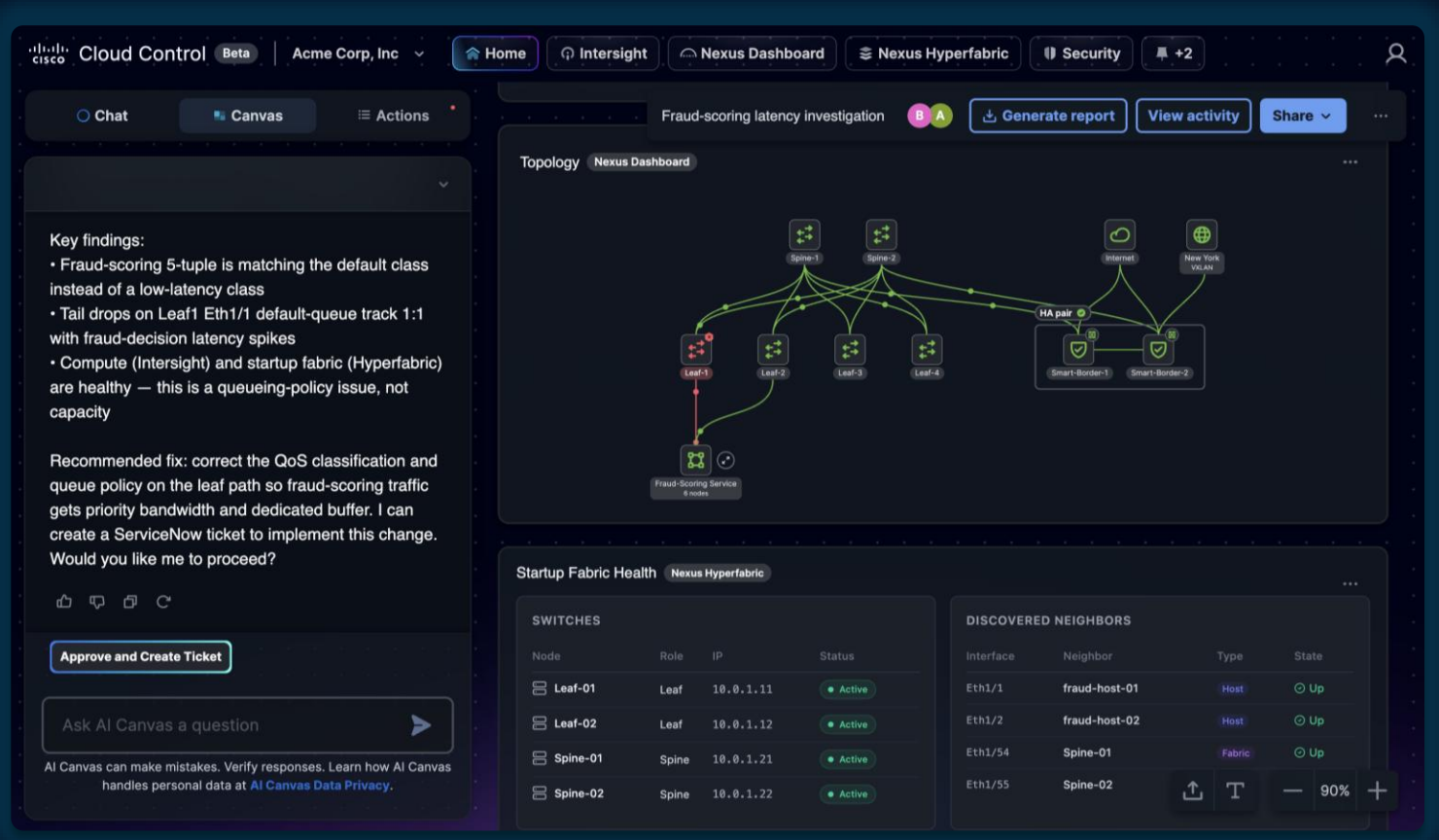
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Cisco Cloud Control

NEW Q2 CY26
Limited Availability

Support for Data Center domains

Leverage cross-domain visibility and telemetry for autonomy — from troubleshooting to continuous management.



Skills powering deep reasoning agents

Nexus One

- Fabric Discovery & Topology
- Health & Connectivity
- Anomalies & advisories
- AI Workload Observability
- Network Analytics

Intersight

- Compute, networking & storage Inventory
- Health and connectivity context
- Change Correlation (audit-record)

Security Cloud Control

- VPN tunnel health
- Traffic flow & routing context
- Guided remediation

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Data Center use cases

Quality of experience and troubleshooting

"Why is my app slow?"

AI Canvas correlates fabric anomalies from Nexus One with server health from Intersight to pinpoint root cause — whether it's a misconfigured VXLAN overlay, a congested spine link, or a failing server NIC.

Nexus One + Intersight

Fabric health and connectivity

"Is my fabric healthy?"

Proactive monitoring of BGP sessions, VXLAN tunnels, and link utilization across the DC fabric. AI agents detect drift, capacity issues, and recommend remediation before users are impacted.

Nexus One

Network performance correlation with AI jobs

"Is the network holding back my AI workloads?"

Correlate and optimize data center network performance for peak hardware utilization to minimize job completion times (JCT).

Nexus One

SKILLS POWERED BY DEEP NETWORK MODEL

Nexus One: Fabric Discovery & Topology · Health & Connectivity · Anomalies & advisories · AI Workload Observability · Network Analytics

Intersight: Compute, networking & storage Inventory · **Change Correlation** (audit-record)

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CISCO CLOUD CONTROL

Cisco Nexus One

FULLY INTEGRATED STACK

Nexus Dashboard

On premises

Nexus Hyperfabric

Cloud management

SILICON	SYSTEMS	OPTICS	SOFTWARE
Cisco Silicon One NVIDIA Spectrum-X Ethernet	Cisco N9000 Systems	Cisco Optics	Cisco NX-OS Cisco ACI, SONiC

SECURITY AND OBSERVABILITY

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NEW

Comprehensive visibility and optimization

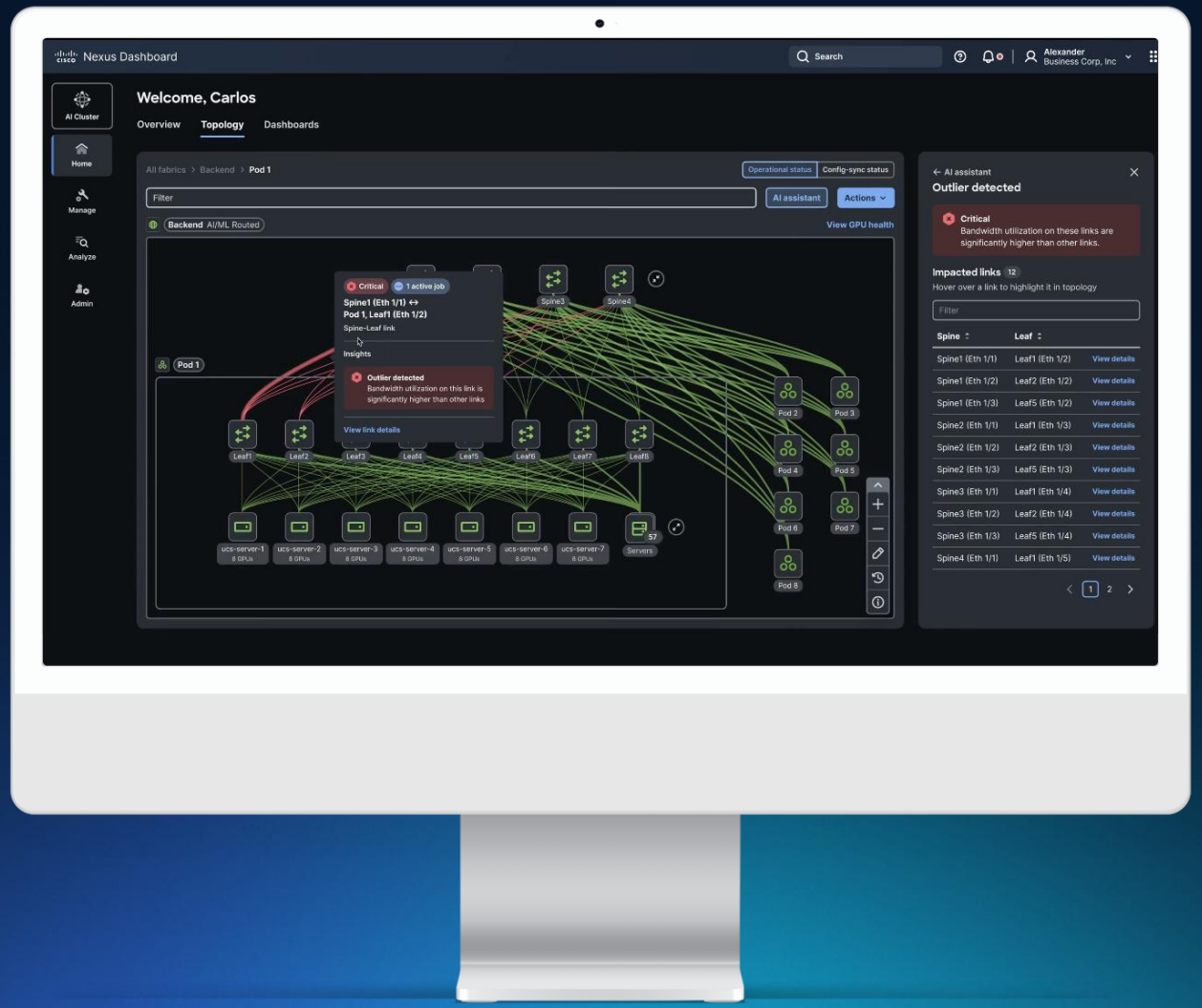
AI Job Observability in Nexus One

Job-aware Network to GPU visibility

Monitor AI workloads across the entire stack. Track network, NICs, GPUs, and distributed compute nodes.

Topology-aware visualization

Correlate network elements with hardware components. See connections between infrastructure and AI job health.



Real-time metrics

Track throughput, latency, and GPU utilization.
Get actionable insights into distributed AI workloads.

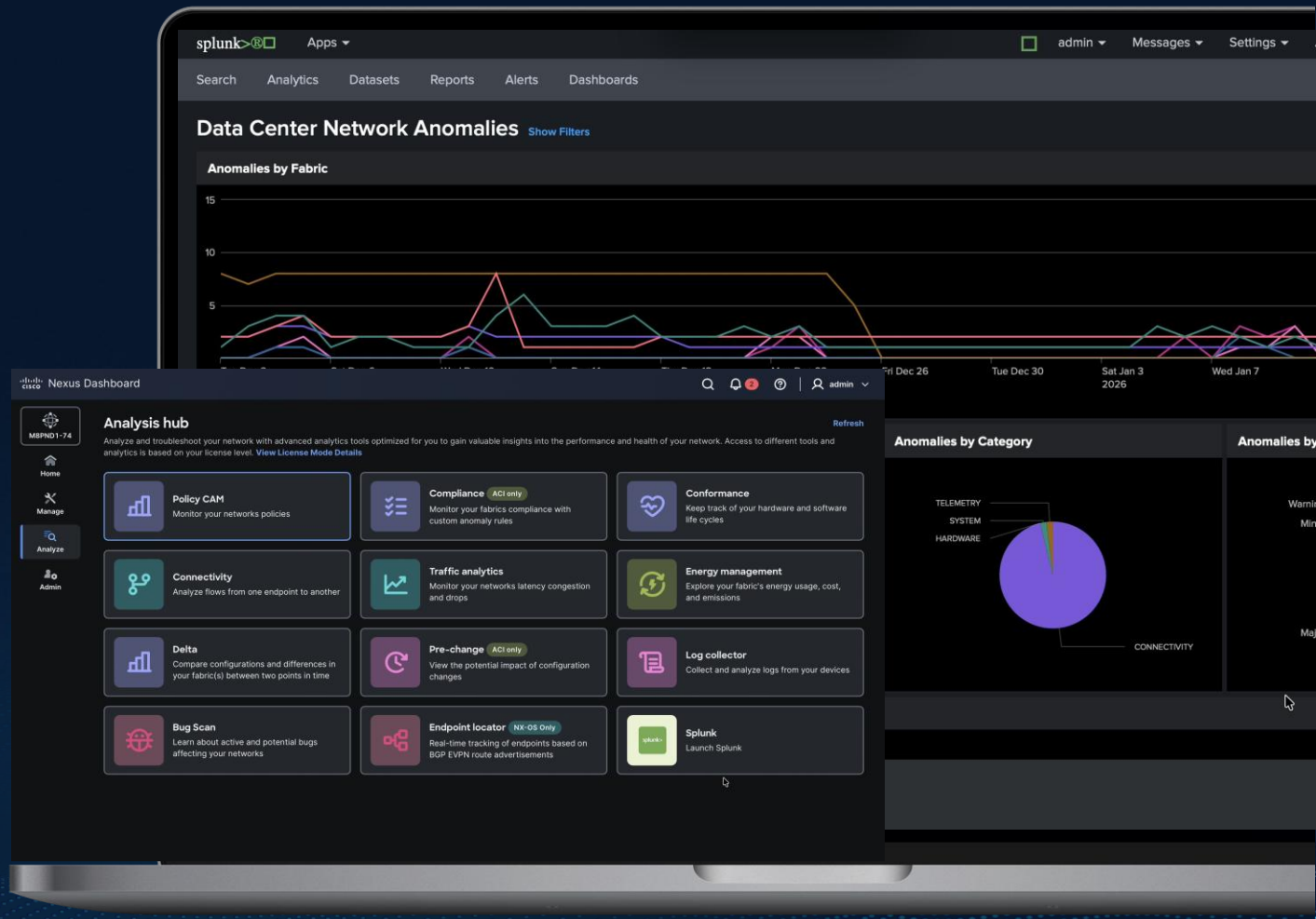
Proactive troubleshooting

Detect anomalies against historical baselines. Accelerate root-cause analysis with automated recommendations.

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Unlock Network Intelligence Without Moving Data

Native Splunk in Nexus One



DISTRIBUTED ANALYTICS

FEDERATED SEARCH

FLEXIBLE DATA INGESTION

Faster Troubleshooting

Data Sovereignty

Reduced Cost

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The AI Trust Gap

Organizations struggle to roll out agents at scale

AI is unpredictable

10:1

Agents : Human Workers* by 2028

*(*In The Sales Domain)*

Gartner, Nov 2025

AI lacks governance

AI is costly

14%

Of enterprises have scaled a single agent org-wide

Capgemini, March 2026

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NEW GA
AUG CY26

Splunk Agent Observability

Powered by Galileo - Observability for the agent lifecycle, from development through production

- **Accurate Evaluations**
- Evaluate agent, output, and RAG quality with high-accuracy evals and out-of-the-box and custom metrics.
- **Instant Visibility**
- See the root cause of errors in complex multi-agent workflows.
- **Runtime Guardrails**
- Leverage Luna SLMs for real-time guardrails. Block hallucinations, prompt injections, and safety violations.



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Learn more about Cisco AgenticOps

Cisco Agentic Operations

Cisco Cloud Control: Unified Operations for Agentic IT | Cisco

At-a-glance: Cisco Cloud Control for Data Center

Sign up for Cloud Control: https://cloud.cisco.com/login

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Thank you




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