ThousandEyes

cisco

From Reactive to Autonomous

Reinventing Assurance with AgenticOps

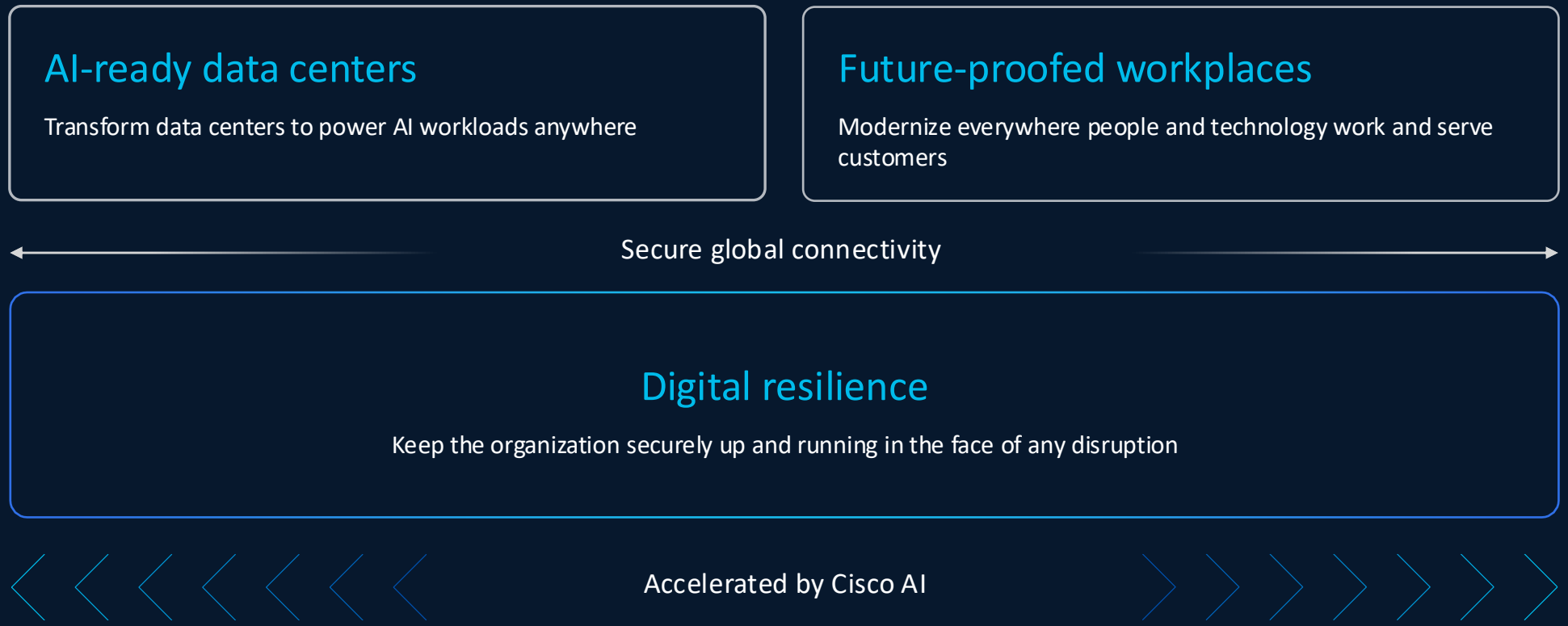


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Cisco powers how people and technology work together across the physical and digital worlds



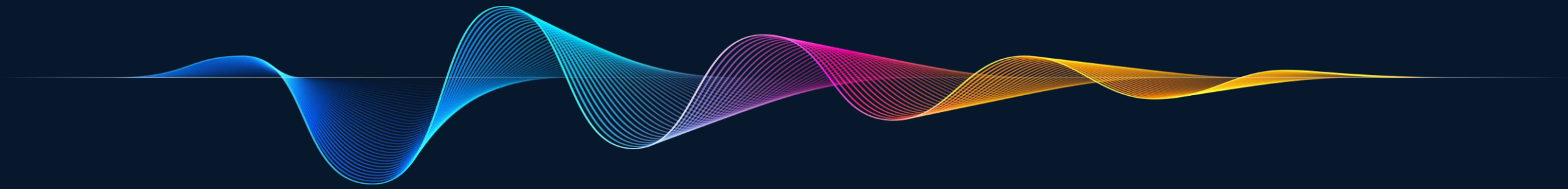
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The world:

AI speed

Operations:

Speed of tickets



71%

of enterprises have deployed agentic AI

34%

average network traffic increase over the past 12 months due to AI

46%

of network alerts closed without investigation due to constraints and noise

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New network demands

Changing traffic patterns

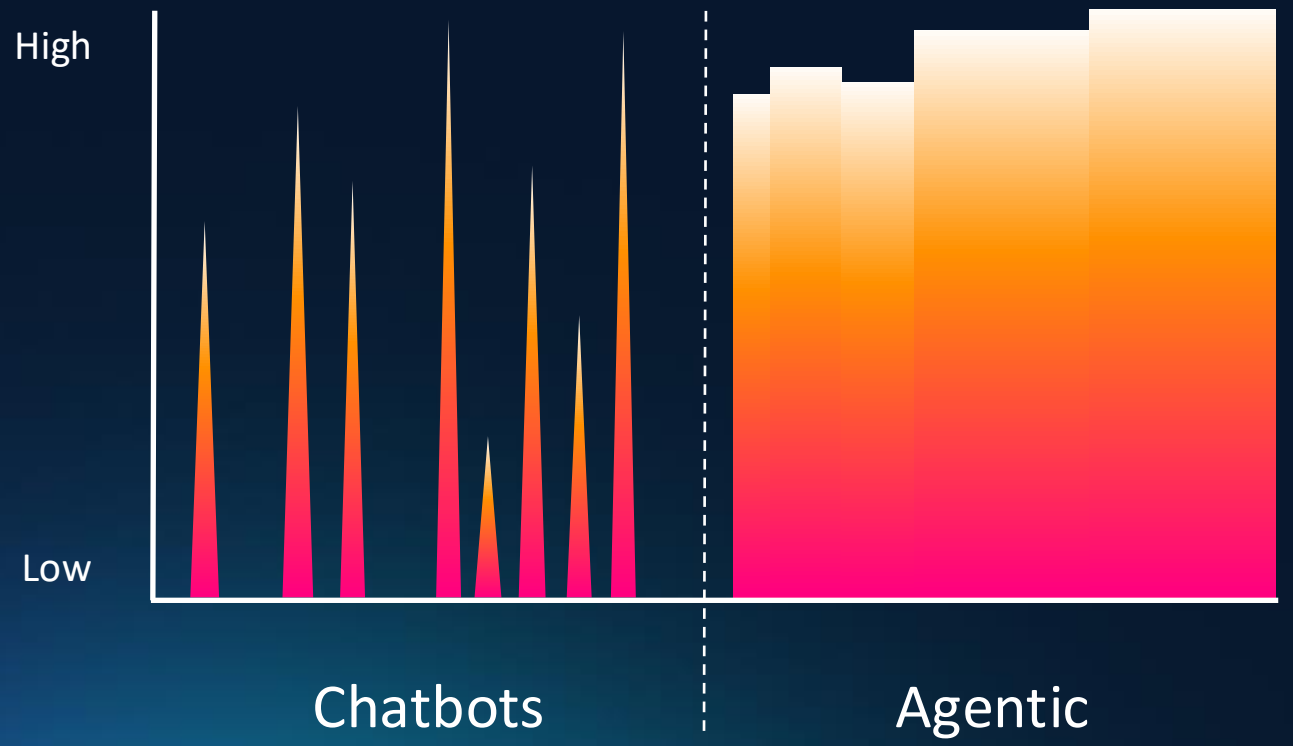
Increasing east-west activity

Agentic execution

Beyond DC, across environments

AI-driven threats

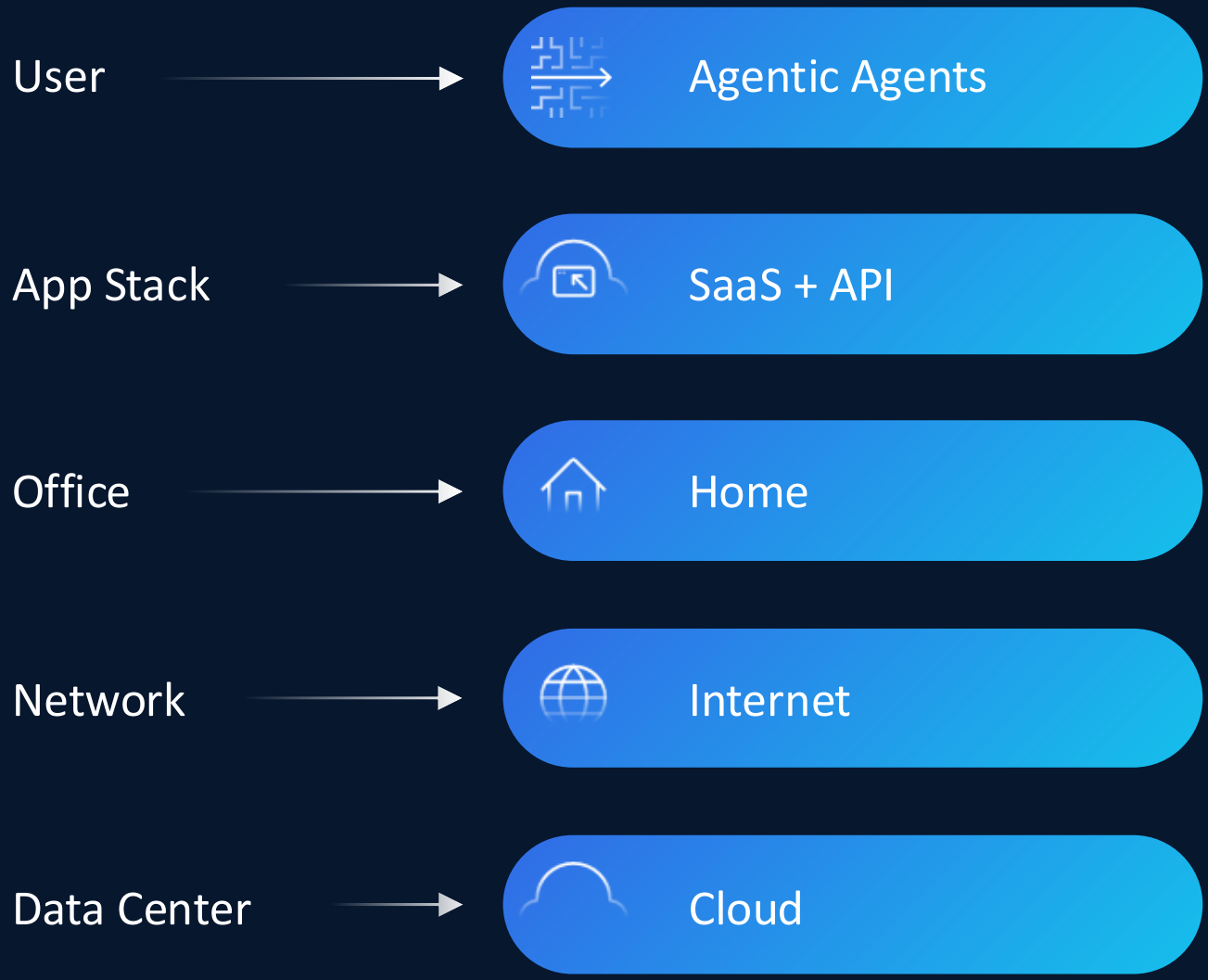
Rapidly evolving security needs



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Visibility and control is shrinking

External dependencies are growing



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Your world changed dramatically

More networks, more infrastructure, and more user environments– much of it unowned, but still your responsibility.



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Traditional operations won't keep up



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From reactive to proactive starts with intelligence



Baseline and detect

Monitor end-to-end digital experience from critical vantage points



Localize and diagnose

Visualize, localize, and diagnose across every network segment



Mitigate and remediate

Closed-loop actions across digital domains and teams



Predict and optimize

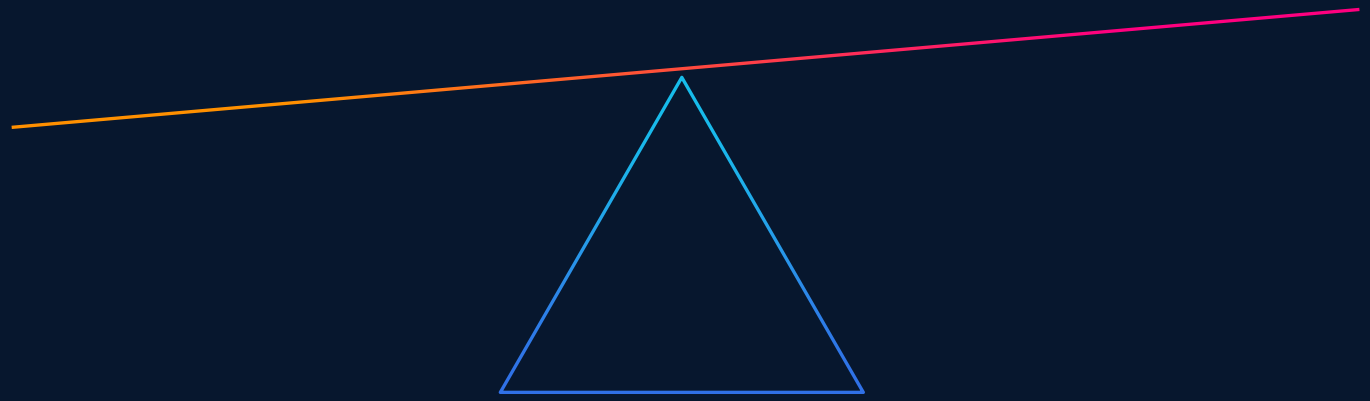
Forecast disruptions, optimize path, and plan connectivity and migrations

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The NetOps dilemma

Reduce AI to human speed → obsolete

Let AI run unchecked → dangerous



Cisco POV:
Assurance lets AI act fast and stay trusted.

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Adapting NetOps with AI-powered assurance

- Design stronger guardrails
- Keep outcomes aligned across domains
- Assuring operations with visibility and speed

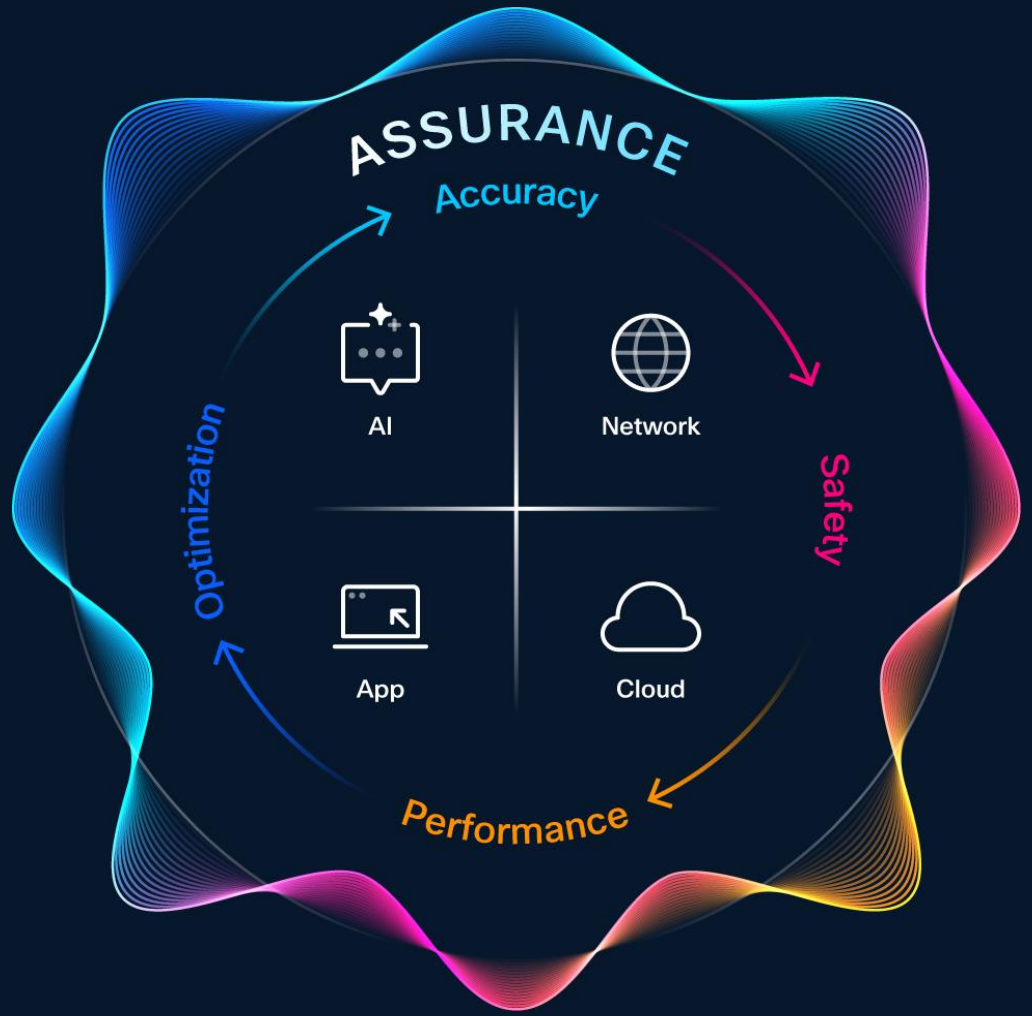


The missing ingredient:

AI-powered Assurance

Transforming AI from **risky to reliable by:**

- Validate human and AI actions in real time.
- Align machine decisions to business priorities.
- Optimize performance across networks, apps, agents, and clouds.
- Ensure AI delivers safe, predictable outcomes.



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Cisco Assurance Platform

Experience & Service Assurance



Digital experience

End user | Mobile
IIoT | Agents



Proactive monitoring

Web | Network
BGP | DNS



Global visibility

On-Prem | Cisco
3rd party



Domain insights

Traffic | WAN
Internet | Cloud

AI-powered platform

Automation | Integrations | APIs



Path visualization



Cross-layer correlation



Anomaly detection & alerting



Event summarization



Predictive recommendations



Natural language query

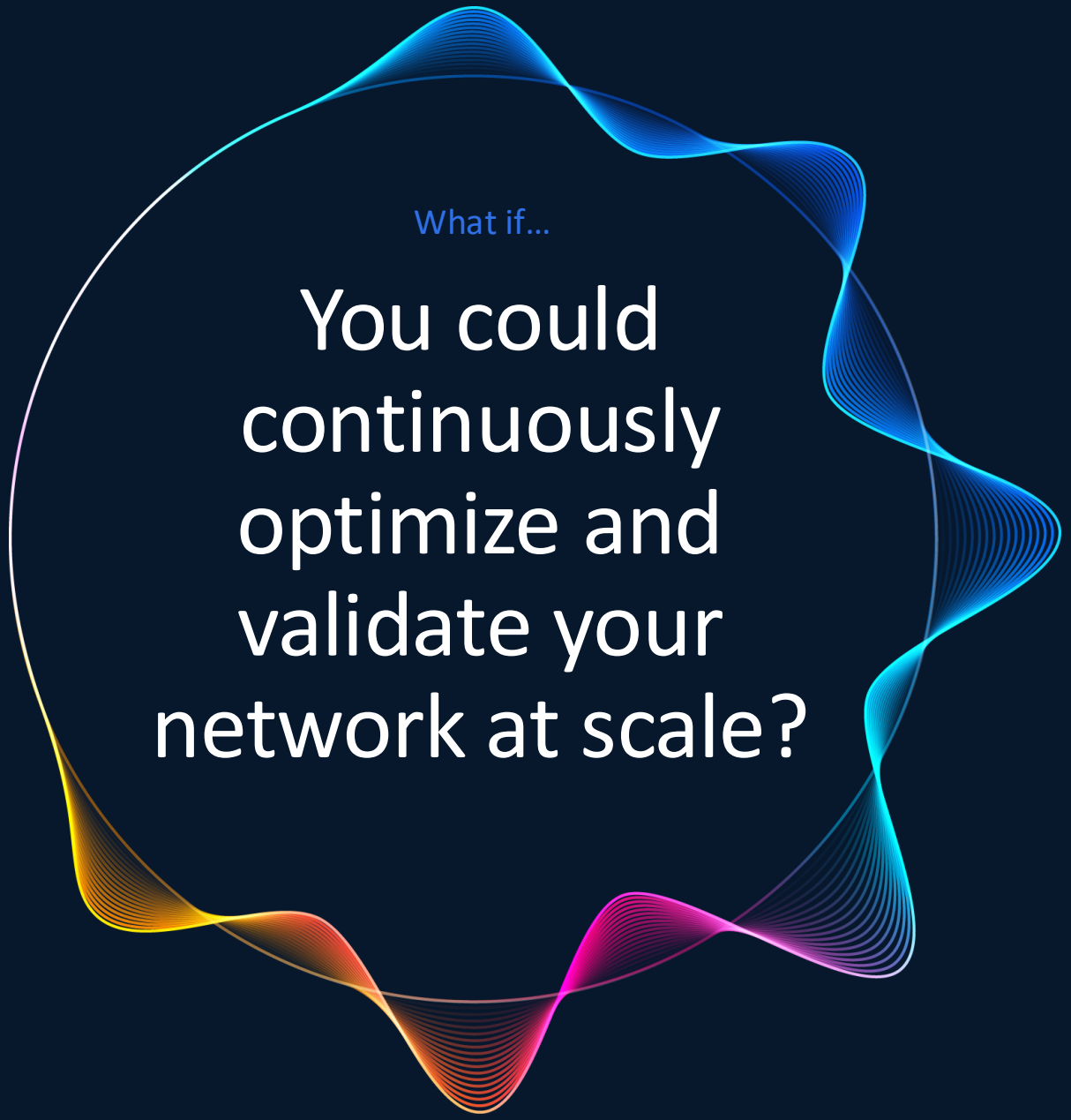
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Trust woven into every action:

AI-powered Assurance



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What if…

You could continuously optimize and validate your network at scale?

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AI-powered assurance in action

SaaS routing change

Optimization without assurance = blind risk

- AI reroutes traffic to boost performance in EMEA
- Latency tanks APAC video calls



Assurance validates global impact before action

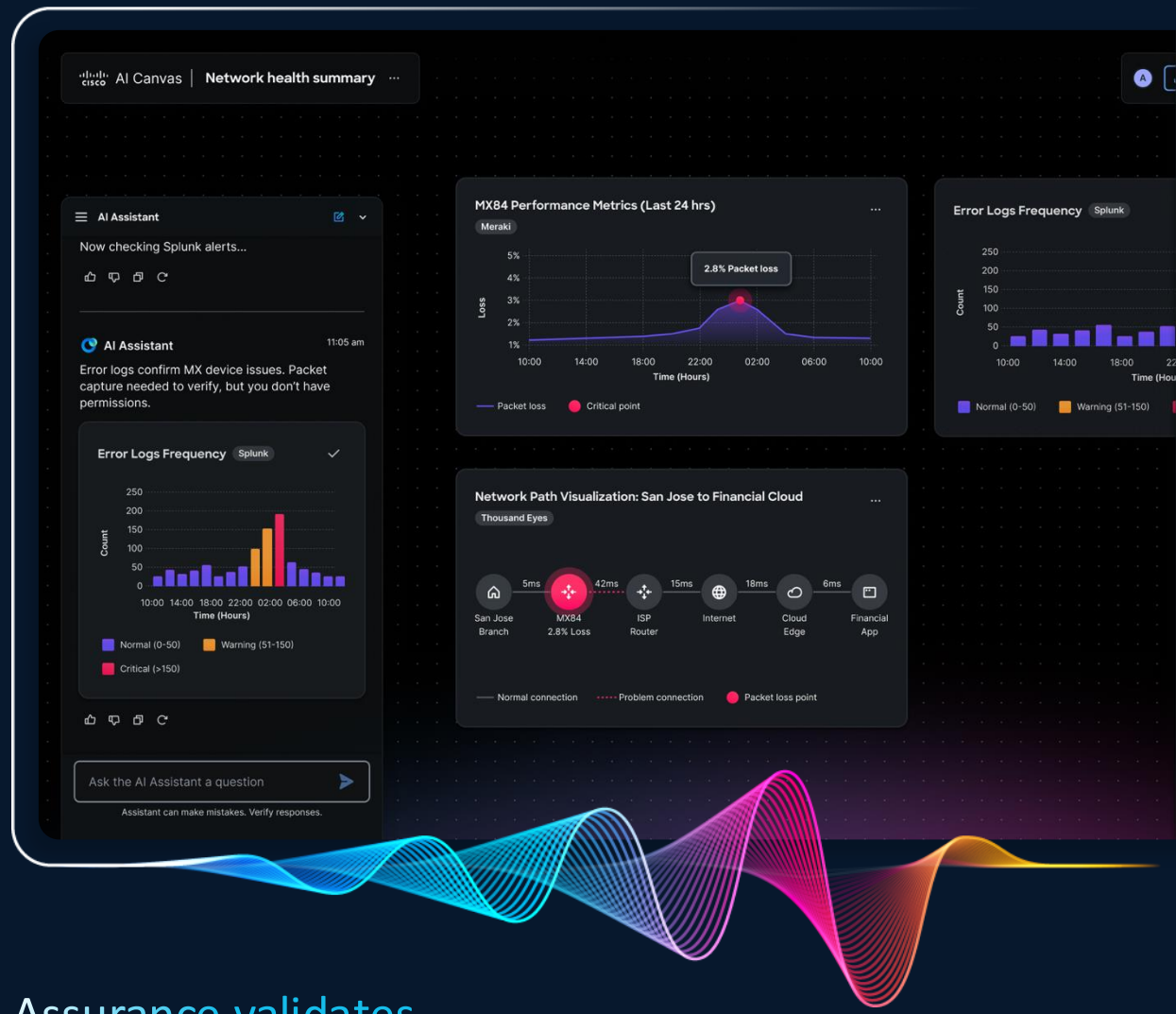
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AI-powered assurance in action

AI-optimized WAN

Not every optimization is a win

- AI tweaks QoS and routing
- Bulk traffic improves, but VoIP collapses



Assurance validates without breaking critical apps

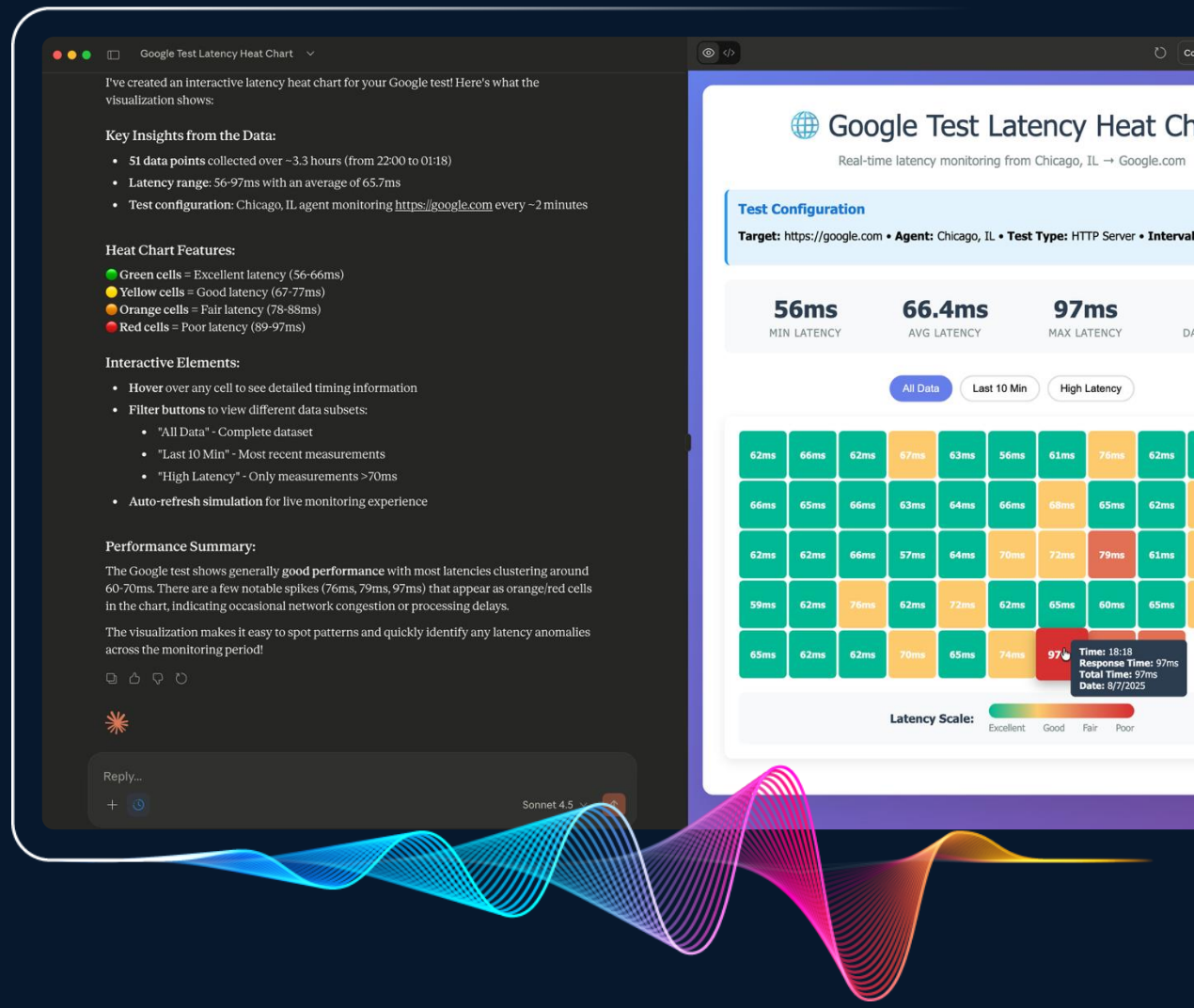
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AI-powered assurance in action

Assurance for Agentic Apps

Faster decisions don’t mean better outcomes

- Agents act instantly across LLMs, APIs, and SaaS ecosystems
- Without validation, they scale mistakes at machine speed



Assurance proves every agent decision improves real user experience

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Seamlessly integrated across Cisco

Simple Deployment, At Scale | ThousandEyes Data within Cisco Dashboards



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Let’s talk next steps



Start a Free Assurance Value Assessment

Work with our experts to plan your new assurance strategy



Sign up for the AI Assistant

Get in queue to activate AI Assistant for your org

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Speak with your Cisco account team to get started

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Thank you




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