

AgenticOps: Observability in the AI era

How AI is empowering operations

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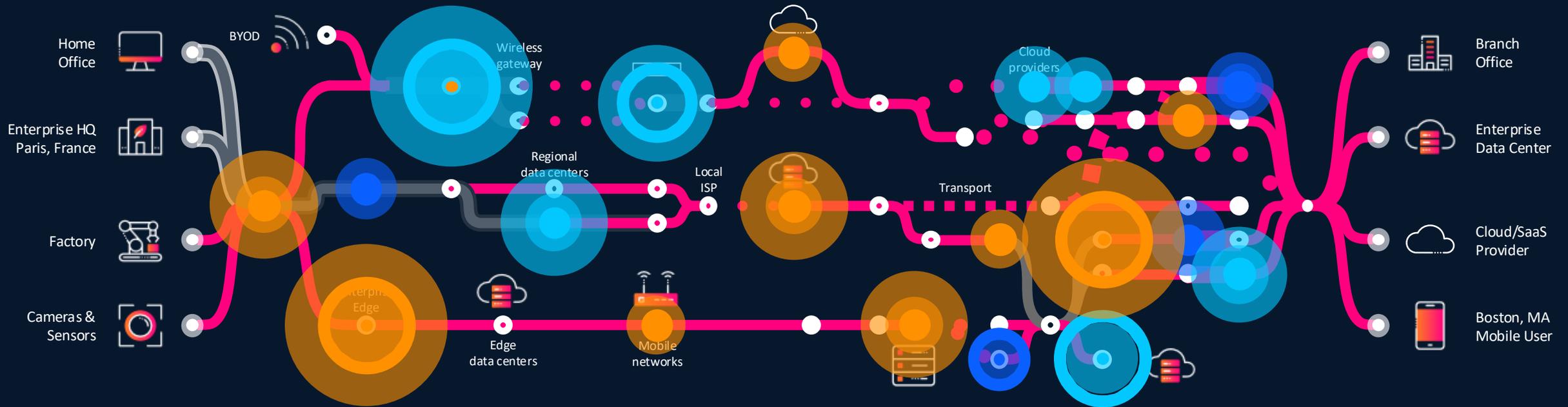
Agenda

1. AI is here
2. The complexity challenge
3. Observability must evolve
4. Data Gap – bridge with Cisco AI
5. Observing AI applications
6. How AI empowers IT operations
7. Vision with AgenticOps

A futuristic cityscape at night, illuminated with blue light trails and digital patterns. In the foreground, a line of silhouettes of people stands on a dark, textured ground. The background features a dense urban environment with glowing windows and structures, all bathed in a deep blue hue.

AI will make our world of **8B** people
feel like one with the capacity of **80B**

Complexity explosion is getting worse



The **next era** of AI is here



97%

of CEOs say they are
planning an AI integration



1.7%

feel fully prepared
to do so



59%

feel they have a maximum of
one year to implement their AI
strategy before it negatively
impacts their business



96% are relying on trusted partners to future-proof their network for AI

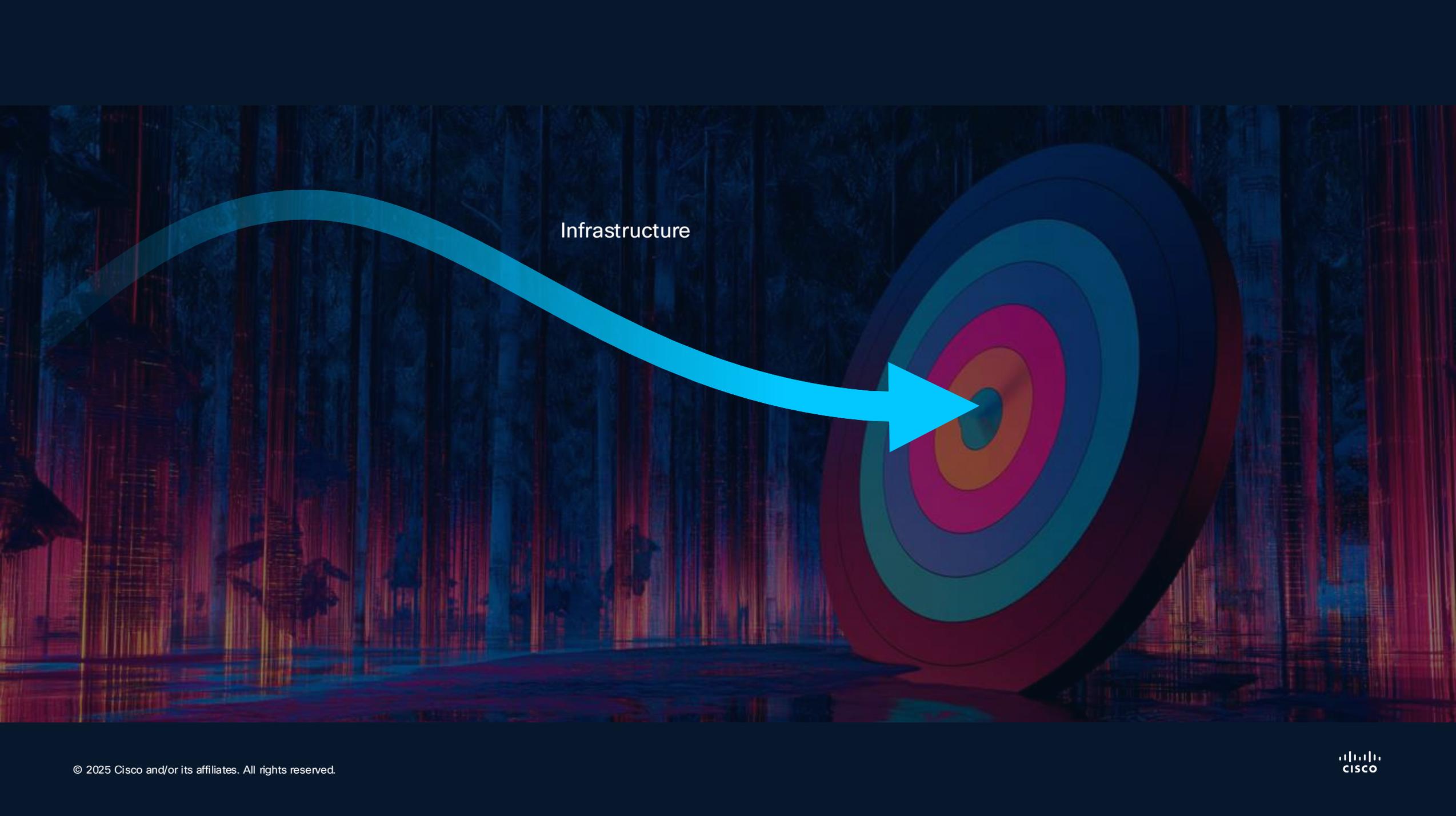
All of this has
massive implications
for your technology
architectures

AI is rewriting the rules

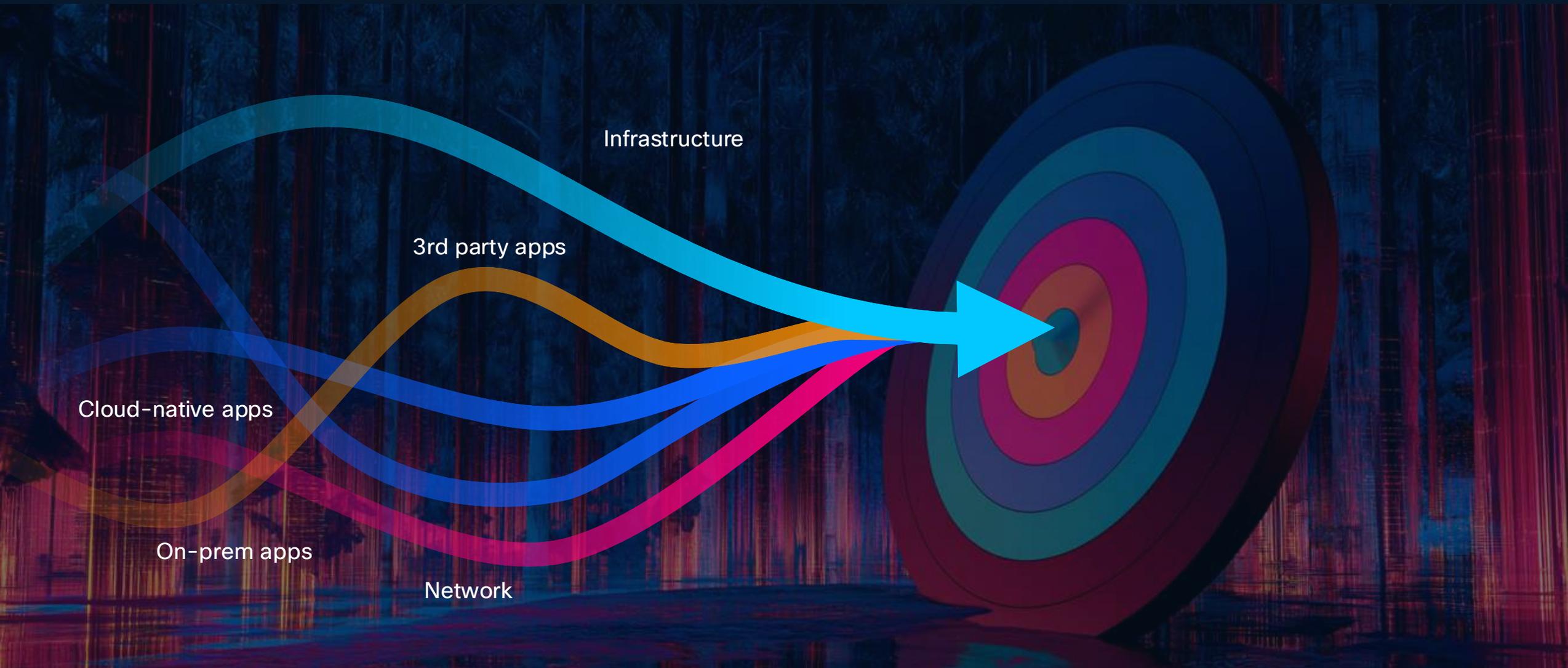
Apps can now be written with little human involvement

AI agents will perform basic troubleshooting and fixes, autonomously

AI apps require new forms of telemetry



Infrastructure



AI

Infrastructure

3rd party apps

Cloud-native apps

On-prem apps

Network



Observability must evolve

Fix and prevent
with AI agents

Observe AI agents
and infrastructure

Unify observability
and show business
impact

What makes this so difficult?



Cisco IT Inter-domain Integrations

24 developers to maintain APIs



Introducing **AgenticOps**

Cross-domain | Multiplayer | Purpose-built model

We must unlock the value of **machine
data to fuel AI**



Operate

on machine data at
ludicrous scale



Unlock

your proprietary data
for AI



Unify

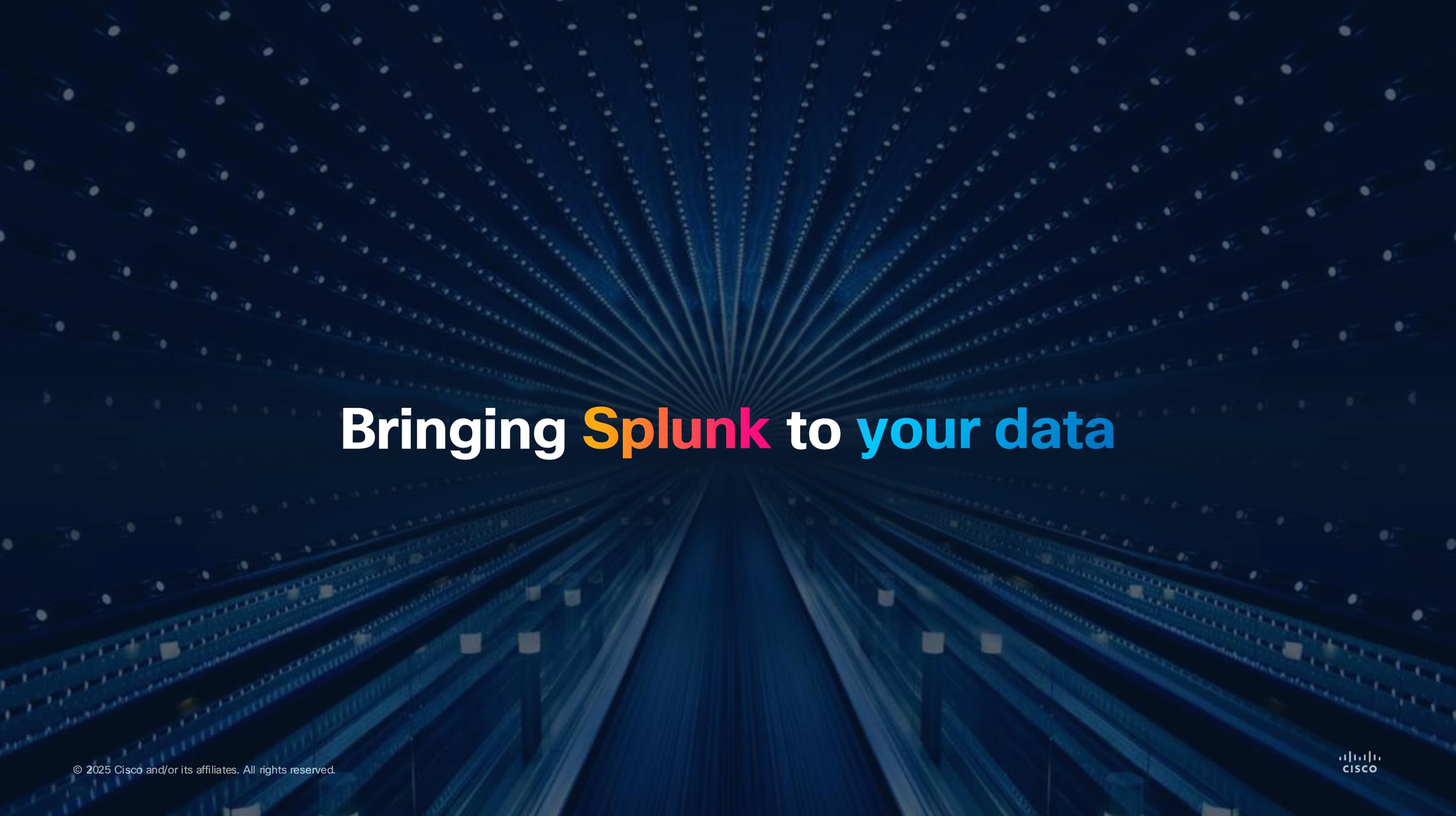
experiences for
humans and agents

Data is the essential fuel for AI



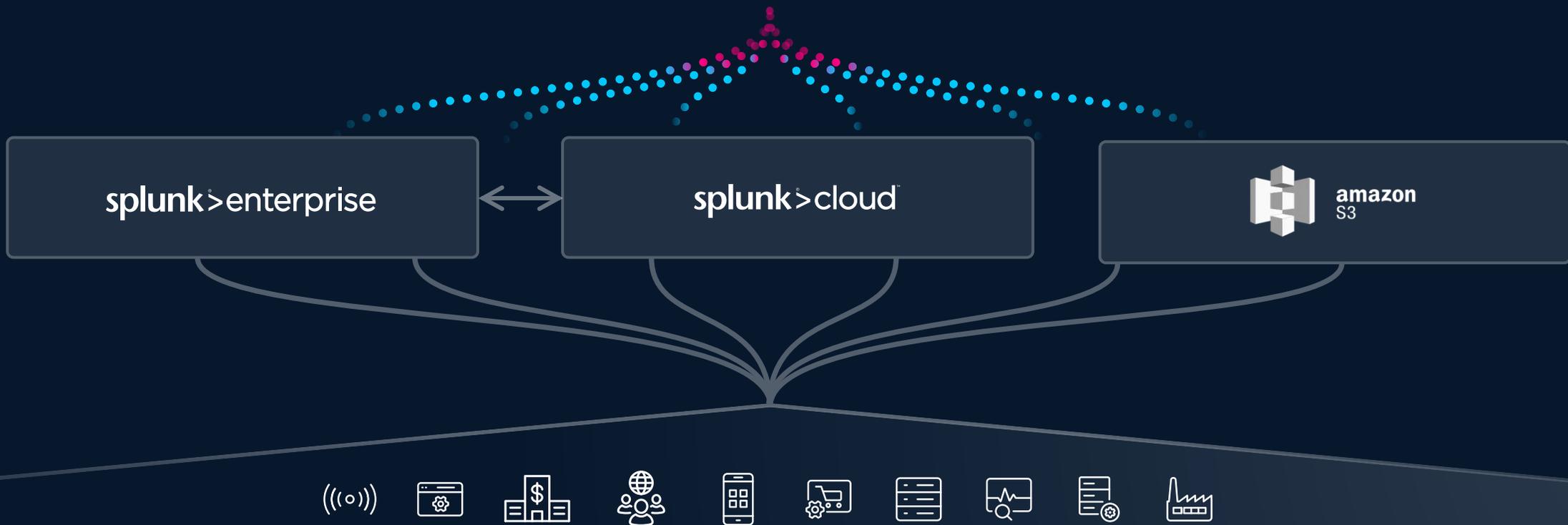
Cisco Data Fabric

A revolutionary new architecture to harness
the value of machine data with AI



Bringing **Splunk** to **your data**

Federated Search



ANNOUNCING

Federated search for Snowflake

ALPHA FEBRUARY 2026



Bring all your **data** together



AWS
S3



snowflake





Operate

on machine data at
ludicrous scale



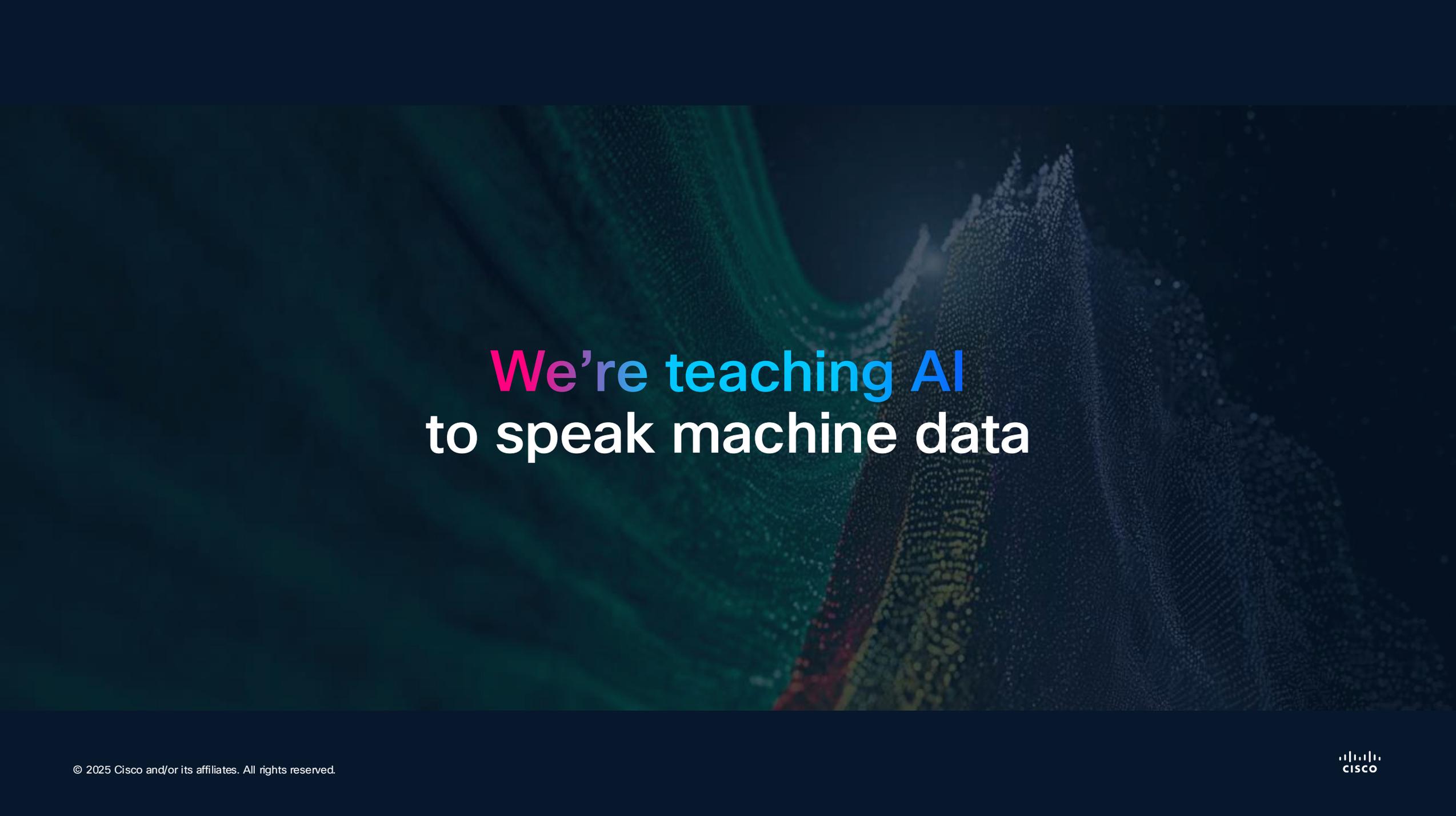
Unlock

your proprietary data
for AI



Unify

experiences for
humans and agents

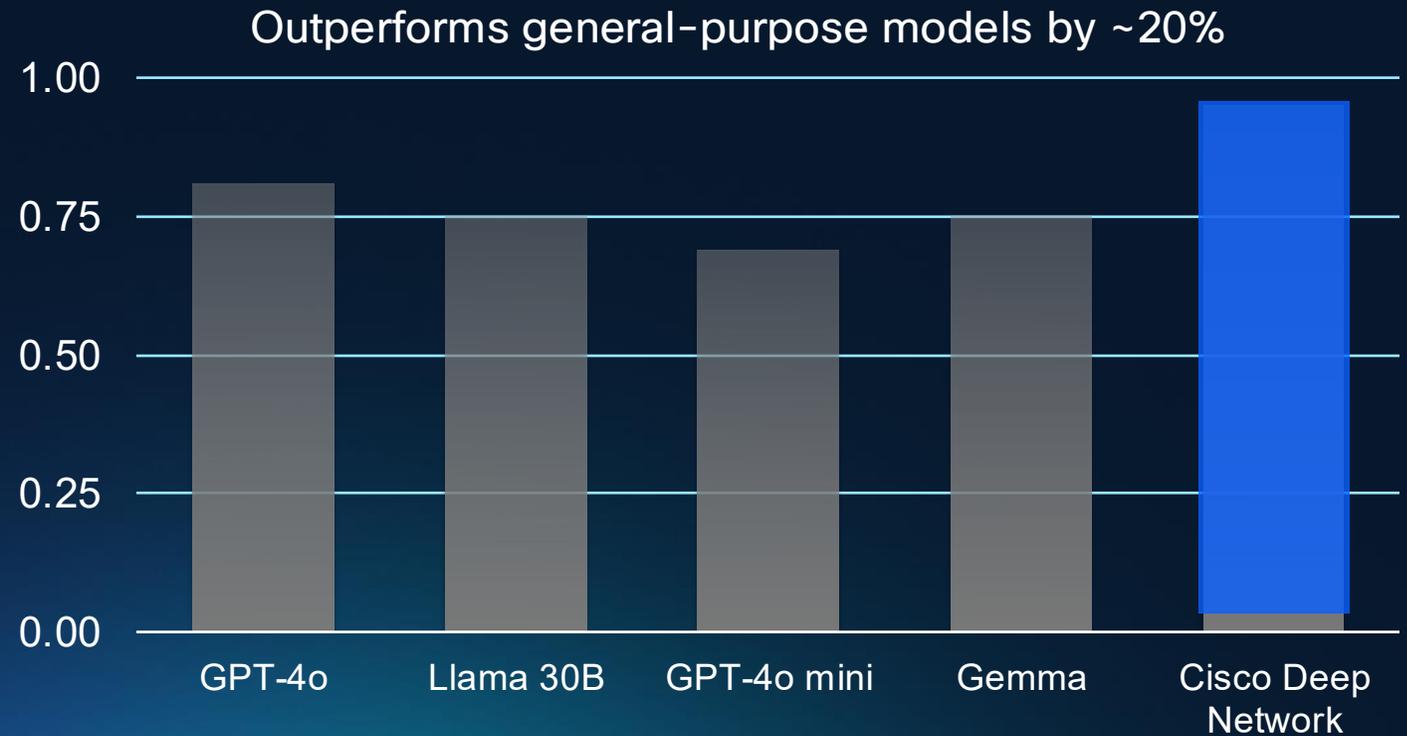
The background features abstract, flowing particle trails in shades of green and blue, creating a sense of motion and data flow. The text is centered over this background.

We're teaching AI to speak machine data

Deep Network Model

Purpose-built for networking,
expert accuracy

- 10% more precise reasoning for troubleshooting, configuration, and automation
- Fine-tuned on 40+ years of expertise and expert-vetted for accuracy
- Evolves with live telemetry and real-world Cisco TAC and CX insights



Accuracy on CCIE-style multiple choice questions (590-question benchmark), May 2025



ANNOUNCING

Time Series Foundation Model

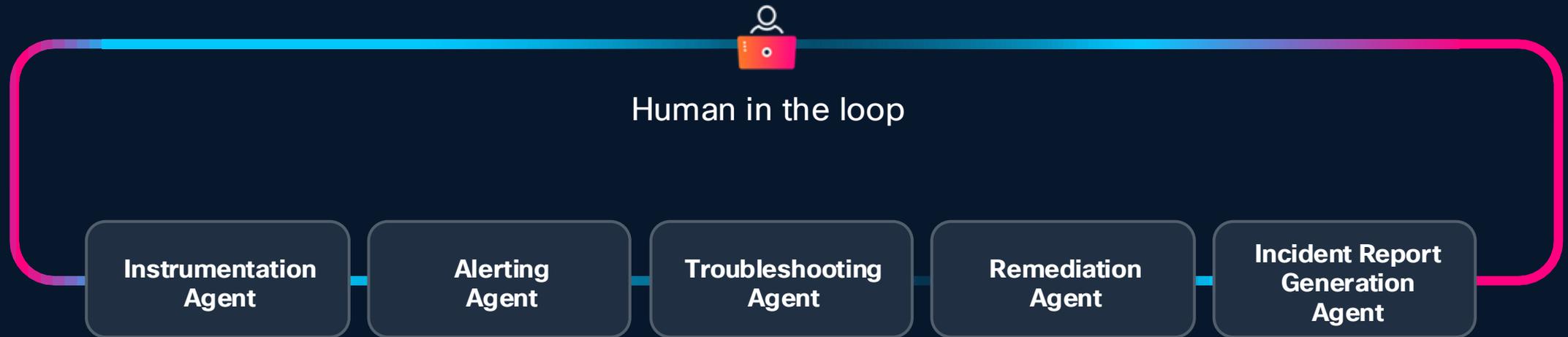
OPEN-SOURCE | ON HUGGING FACE NOVEMBER 2025

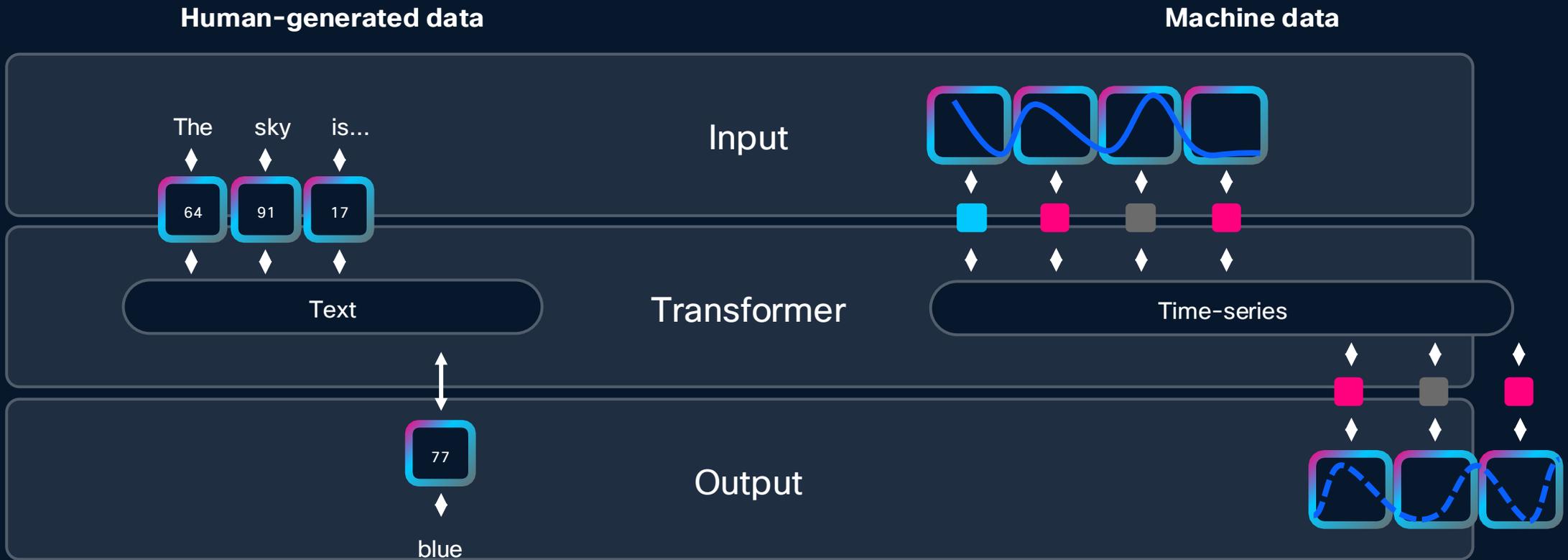
Optimized for machine data

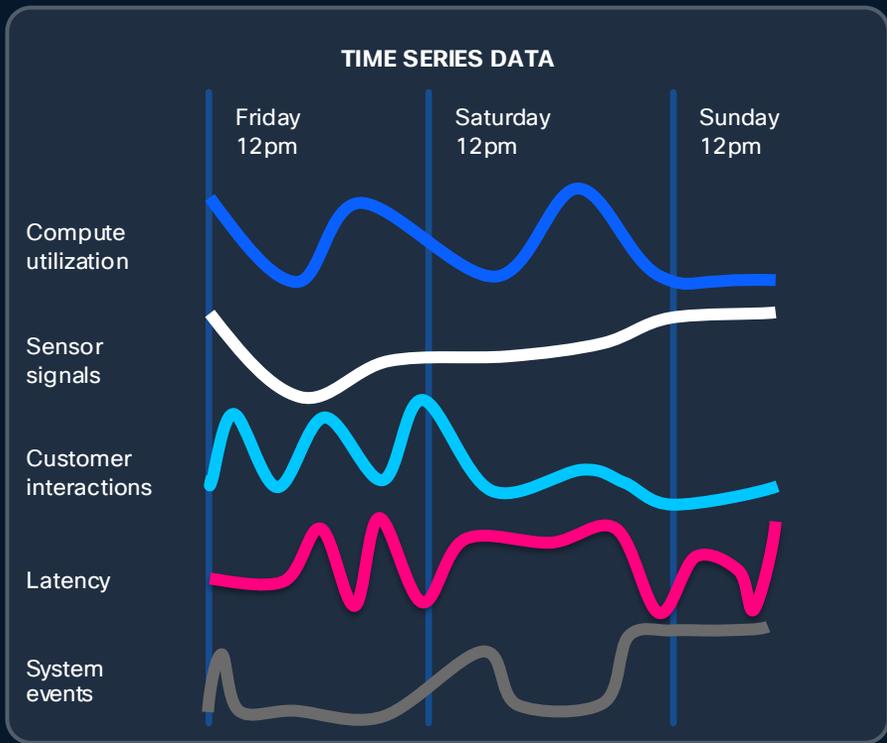
Accurate and scalable

Adaptable to your domain

Fix and prevent with AI agents







UNSTRUCTURED DATA

IT INCIDENT TICKET

User reports intermittent unresponsiveness when running reports

Saturday 08:31 AM

Saturday 12:11 PM

Saturday 1:18 PM

Saturday 1:38 PM

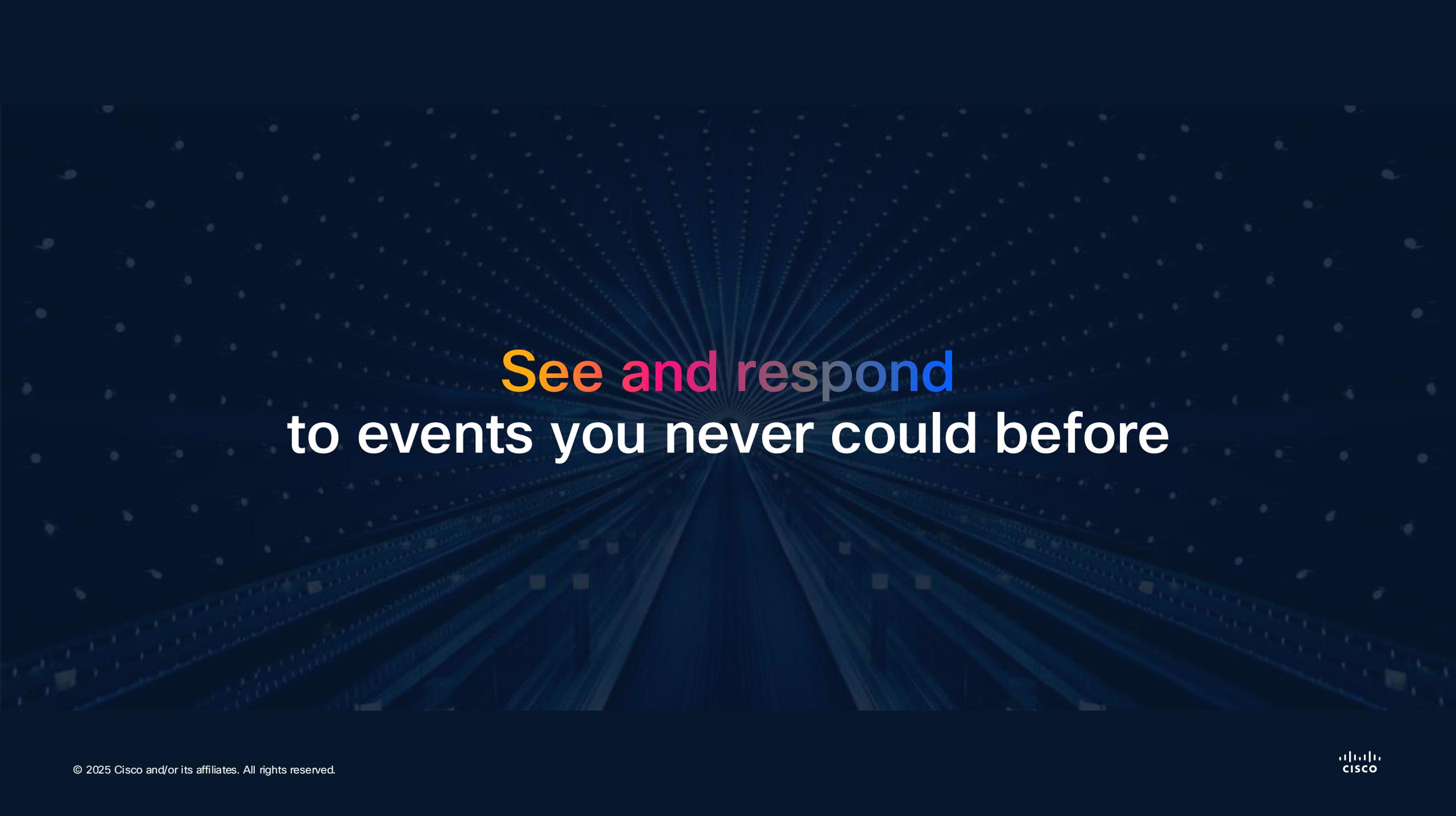
STRUCTURED DATA

Sales transactions

Degradation in customer experience predicted

There's a **60% chance of a network outage in the next 18 hours** that will impact approximately 8,000 customers, resulting in \$500K missed revenue opportunity.

See suggested remediation...



See and respond
to events you never could before



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Machine Data Lake

ALPHA | FEBRUARY 2026

Turnkey solution

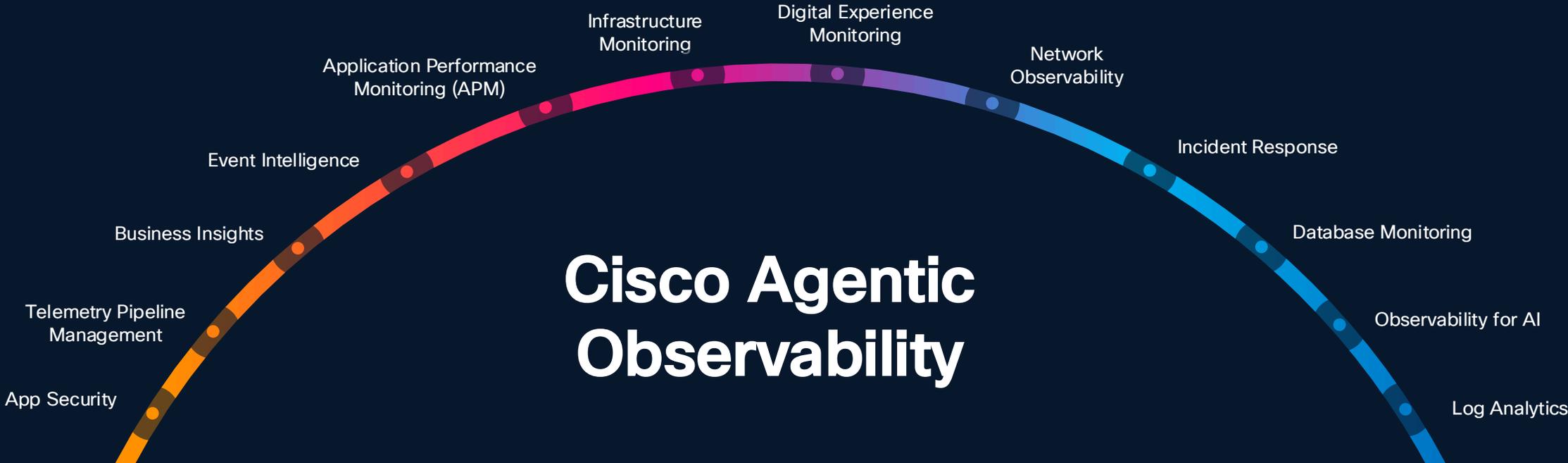
Optimized for AI training

Secure & governed



Now you can create your own
MachineGPT

Cisco Agentic Observability



Cisco Data Fabric
(Splunk)

AI Troubleshooting Agent Demo



Home



Dashboards



Alerts



APM



Infrastructure



Digital Experience



Logs



Metrics



Data

Incidents overview

Monitor and manage AI-driven incident detection and remediation

🕒 PDT -24h
👤 Team: All
🏠 Environment: All
🔍 Add Filter

0 active incidents

0 Critical 0 Warning

[View active incidents](#)

2 incidents need attention

2 Critical 0 Warning

[View incidents needing attention](#)

1 incident auto-resolved

0 Critical 1 Warning

[Review AI-resolved incidents](#)

AI detection and response overview

last 24 hours

4.03m

MTTR

↓ 0.02

139

AI-detected alerts

↑ 1.1%

164

Alerts grouped into incidents

↑ 16

34

AI-resolved incidents

↓ 2

Demo: AI Infrastructure Framework

AI Agent Monitoring Demo



Home



Dashboards



Alerts



APM



Infrastructure



Digital Experience



AI Agent Monitoring



Logs

AI Agent Monitoring

🕒 PDT -4h

Environment: prod

Application: FlashSalesApp

Agents

🔍 Search...

< Prev Next > Showing 5 of 17

Agent	Requests	Latency (P90)	Errors	Quality	Security Risks	Tokens	Conversations
CustomerDataAnalyst	342	1.85s	4 (3.5%)	🟢 Healthy	No risk	↑ 847K	57
TrendDesign	194	2.90s	6 (0.8%)	🟢 Healthy	No risk	↑ 623K	89
PricingPromo	123	1.75s	3 (5.1%)	🟢 Healthy	No risk	↓ 445K	120
CampaignGenerator	856	1.10s	7 (2.3%)	🔴 Unhealthy	No risk	↓ 298K	125
SupportAgent Third-party	289	2.45s	2 (6.4%)	🟢 Healthy	No risk	↑ 267K	248

Performance

Requests

340

█ Requests

Latency

3.6s

█ P99

█ P90

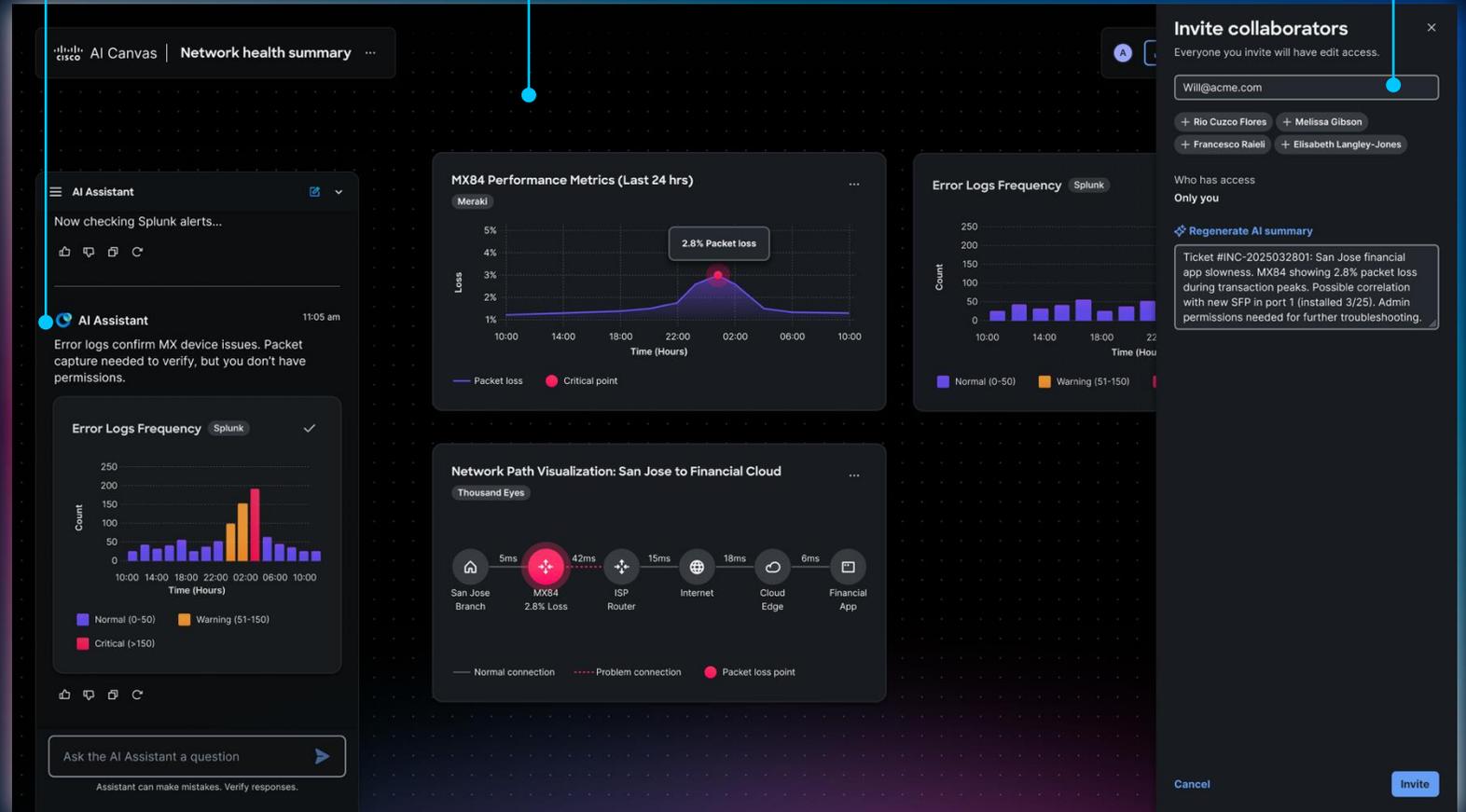
AI Canvas

AI Assistant

Shared Workspace

Users

- Single canvas for cross domain troubleshooting
- Generative UI with reasoning built-in
- Keeps NetOps, SecOps, IT and execs on the same page



Many of the products and features mentioned are still in development and will be made available as they are finalized, subject to ongoing evolution in development and innovation. The timeline for their release is subject to change.

≡ AI Assistant 

Get details from servicenow



Assistant can make mistakes. Verify responses.



Cisco Cloud Control

Cisco Cloud Control Micro-Application Host



Platform managed

1. Navigation
2. Global search
3. Global AI Assistant
4. Help
5. Global notification
6. User menu
7. Platform navigator

A leader in observability



Leader
2025 Magic Quadrant for
Observability Platforms



Leader
European Observability
MarketScape, 2025



Value Leader
2024 Radar Report
for AIOps



Leader & Fast Mover
2025 Cloud
Observability Radar



Leader
2024 Vendor Selection Matrix
for Observability



Overall Leader
2024 SPARK Matrix
Full-Stack Observability

Leader & Fast Mover
2024 AIOps Radar

Top Vendor
2024 Vendor Selection Matrix
for AIOps

Overall Leader
2024 SPARK Matrix AIOps

Leader & Outperformer
2024 APM Radar

Leader & Fast Mover
2024 Kubernetes Observability Radar



Overall Leader
2023-24 AIOps Universe

Overall Leader
2024 SPARK Matrix
Infrastructure Monitoring

Partner with your Cisco account team
to **supercharge** your **AI** strategy

Thank you

