CISCO Connect

Accelerate Your Journey to the Agentic Enterprise

With Splunk

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October 13, 2026

Forward-looking statements

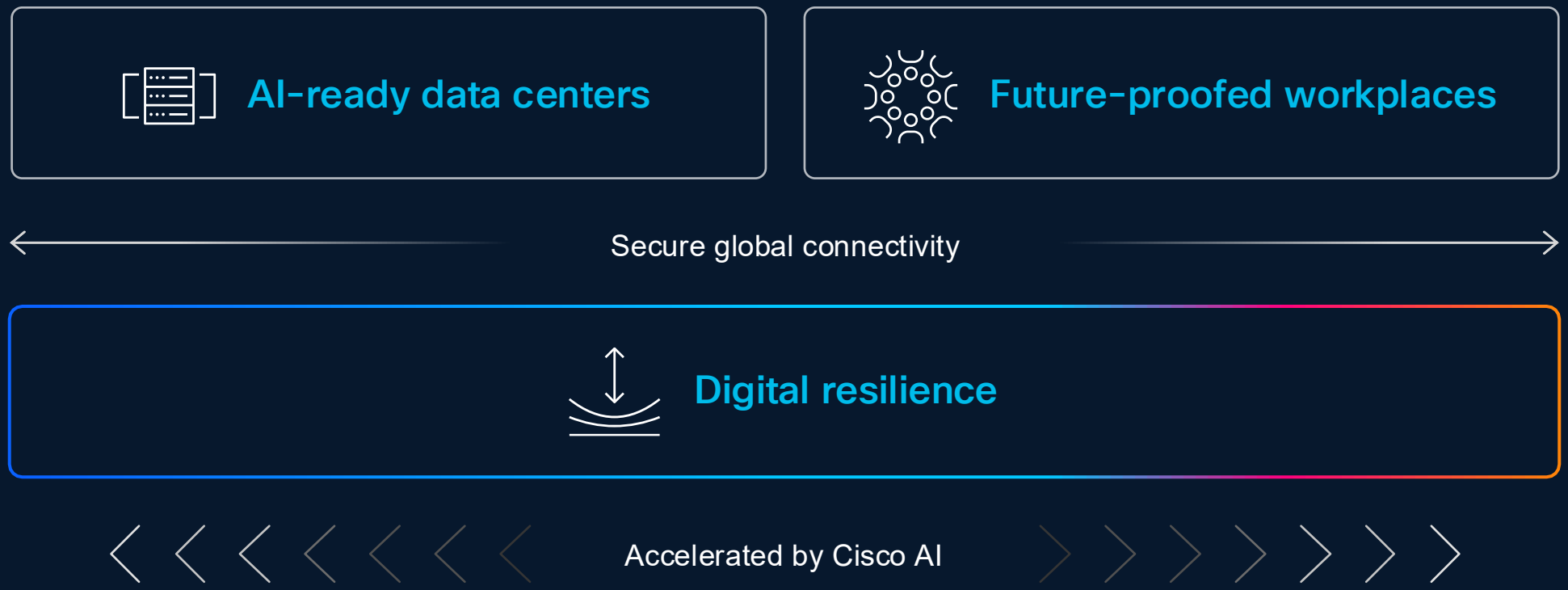
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Cisco powers how people and technology work together across the physical and digital worlds



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We stand on the brink of an **AI-driven enterprise transformation**

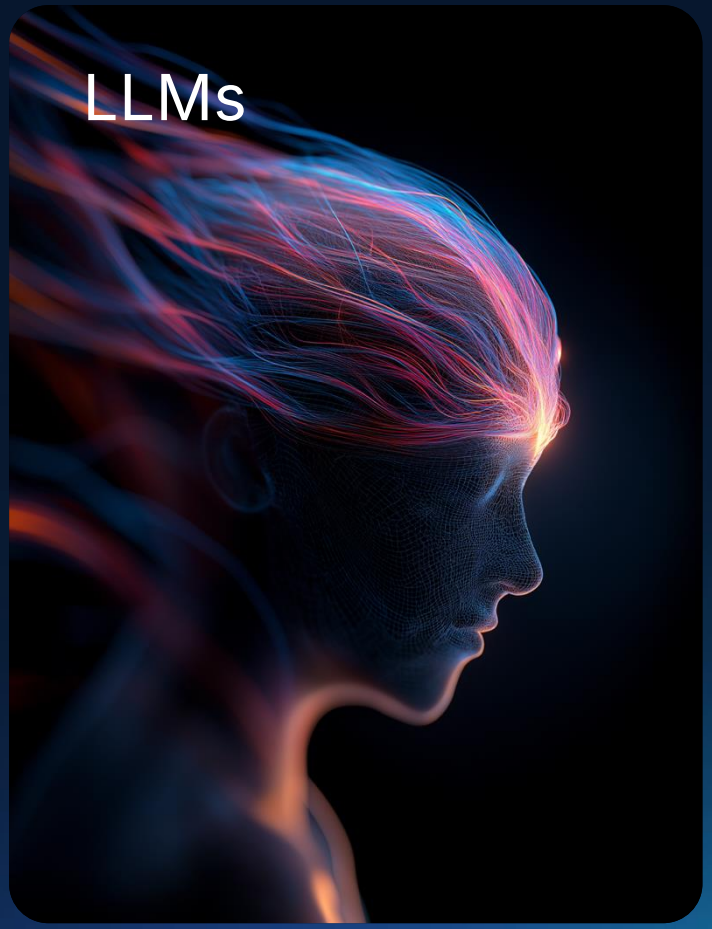
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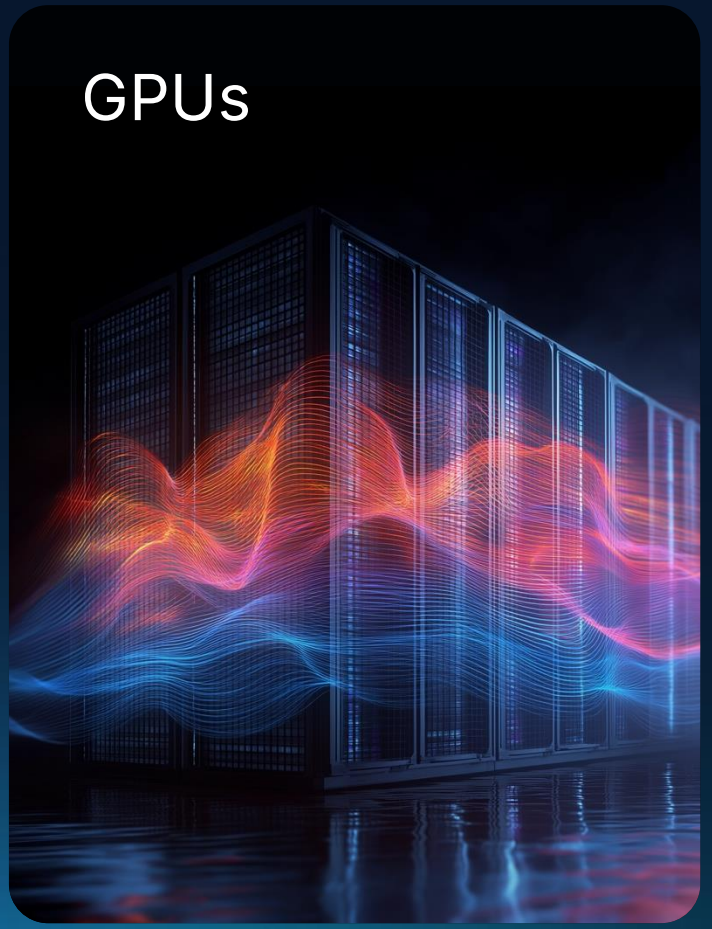
have active agentic pilots today

1.3 billion

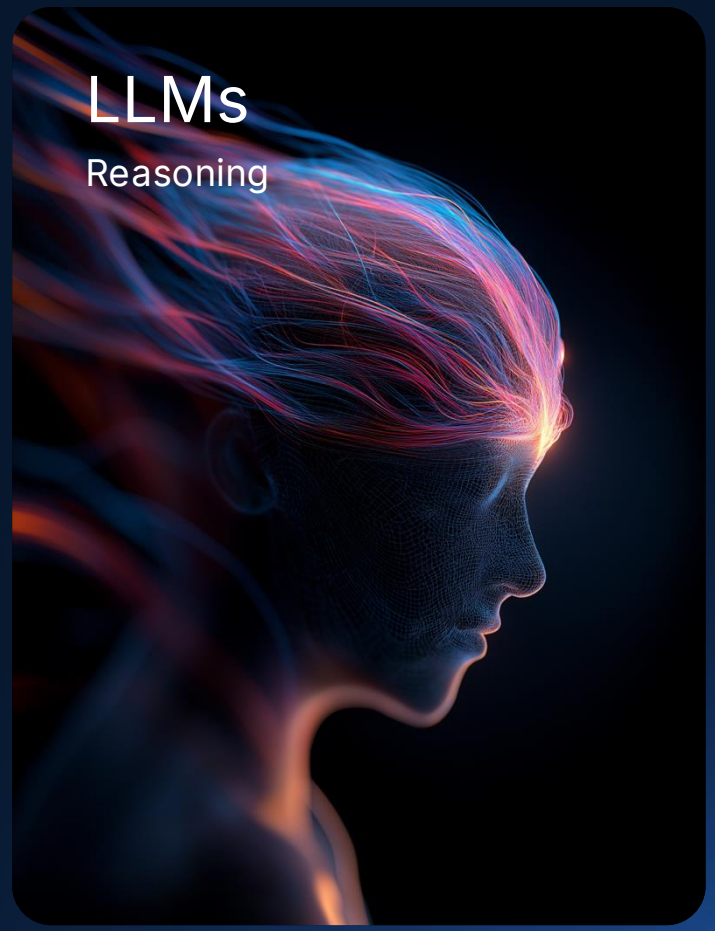
agents expected to be in operation by 2028

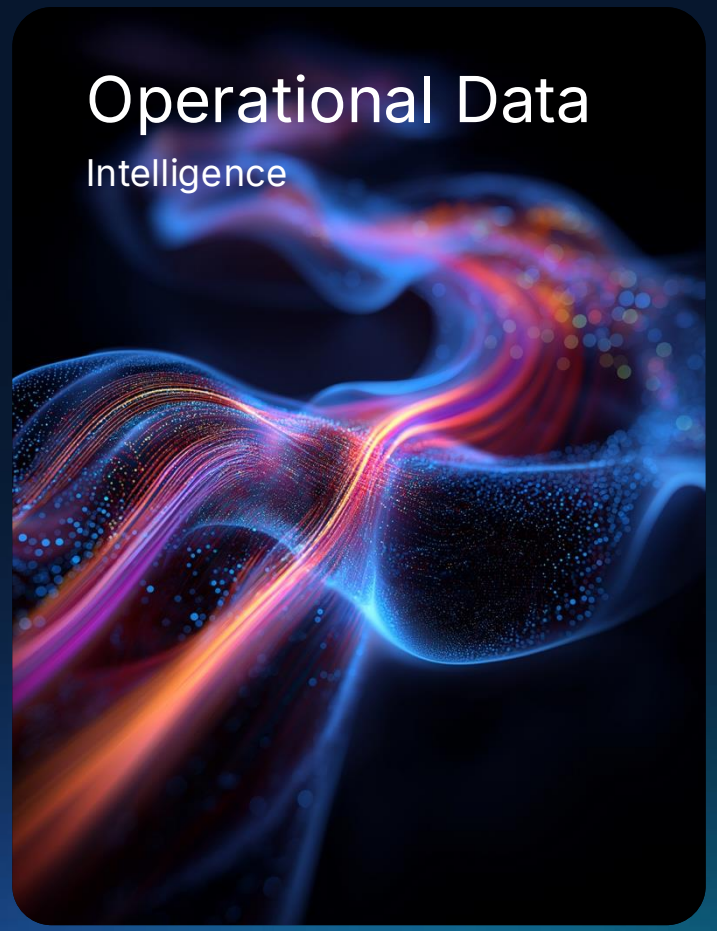
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Imagery generated by AI.





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Digital Resilience is a $400B problem

Rapid Data Explosion

Data volume will reach 390+ zettabytes by 2028 and 55% will be machine generated.

Context Gap

Only 34% of organizations have clean centralized data with real time integration for AI agents.

Trust and Governance Gap

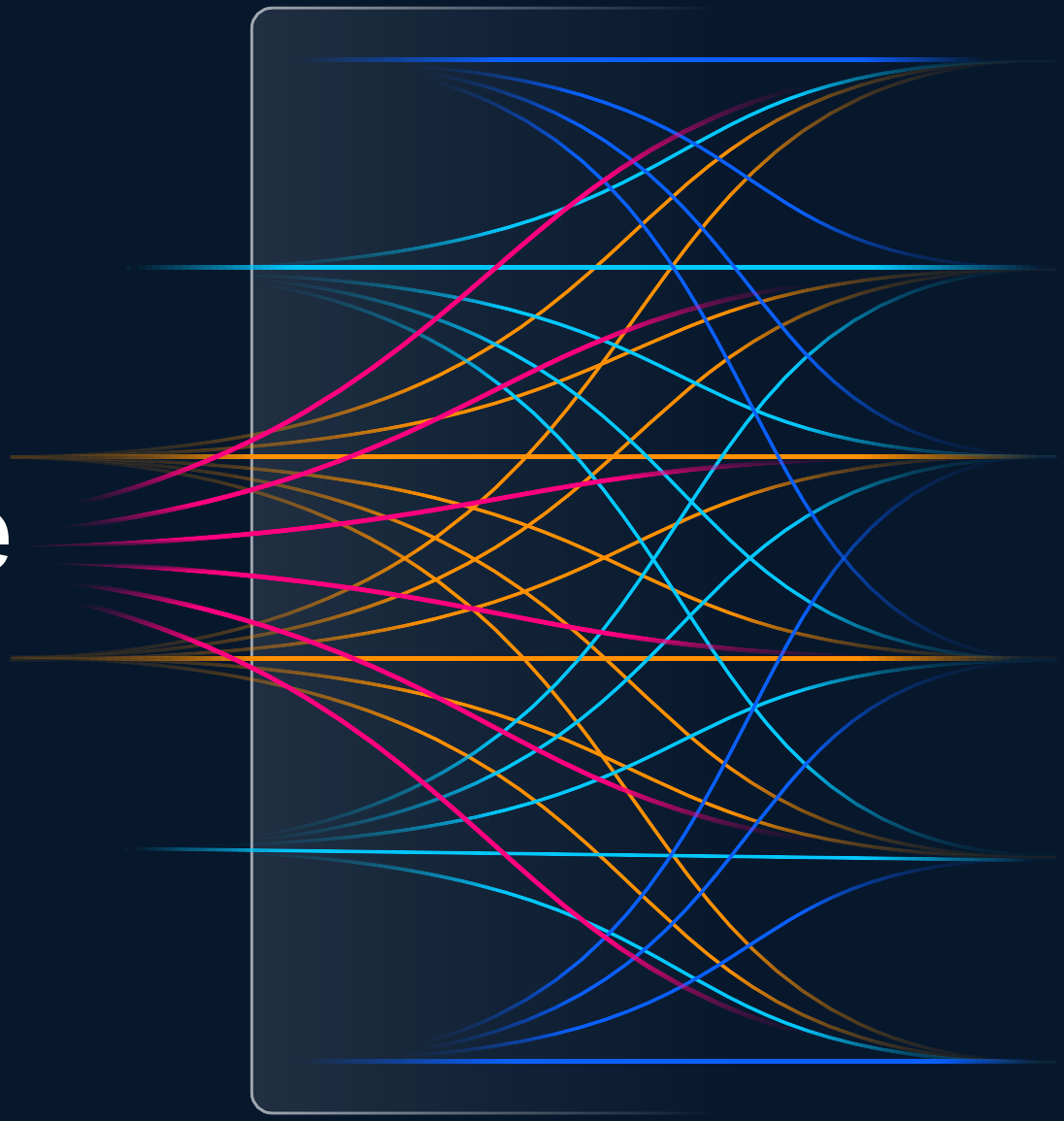
Only 24% of organizations have implemented guardrails and live monitoring to govern AI.

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The Resilience Paradox

More AI.
More Complexity.



NetOps
Maintain SLAs +
Reduce Outages

ITOps
Prevent Degradation + Improve Uptime

BizOps
Protect Revenue

SecOps
Detect, Contain and Reduce Risk

Observability
Improve Digital Experiences

Trust in AI
Making Agents Safe and Auditable

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If AI can’t see all your data,

how can you **trust** it to make good decisions?



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Cisco Observability Strategy

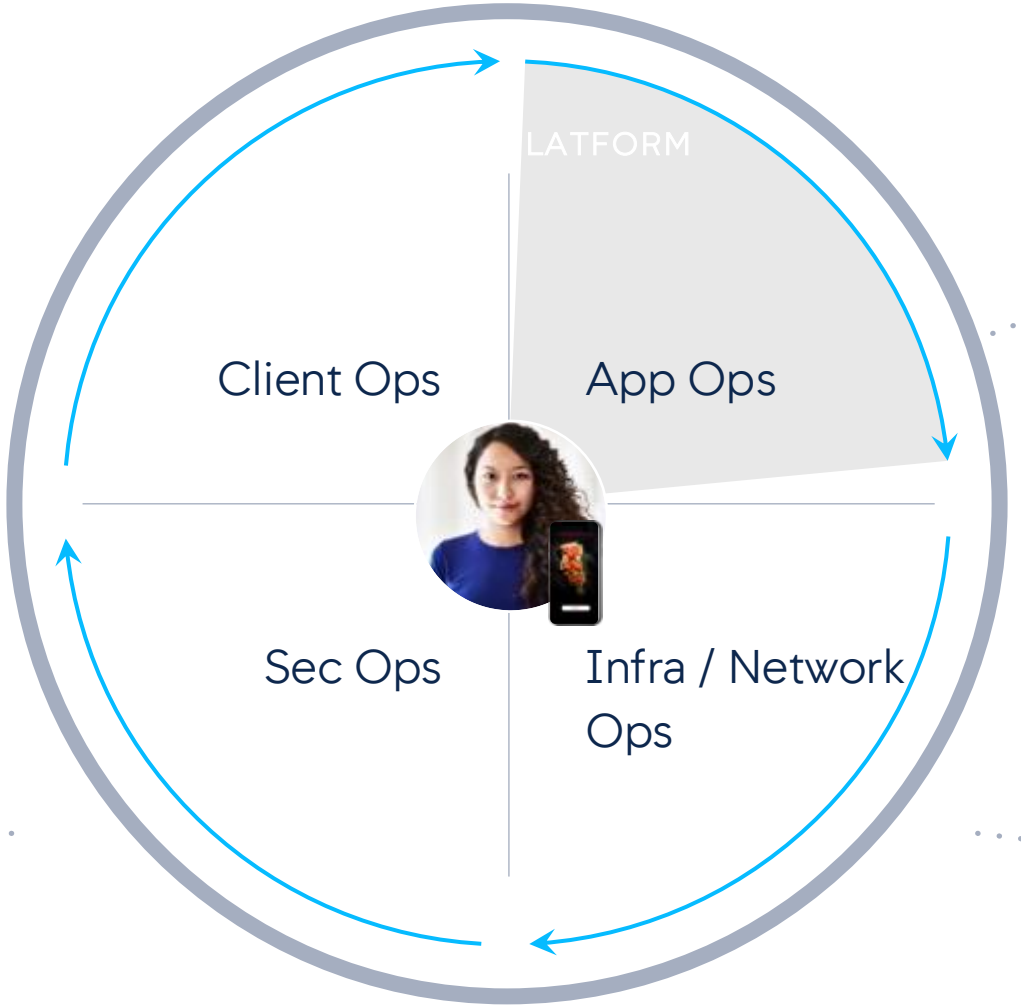
All Apps/Infra need modern observability with AI

Business Observability

- User Experience
- Brand Impact
- SLA reporting
- CX Metrics

Enterprise Security

- SIEM / SOAR / ES
- Intrusion detection
- Data Protection / Gov
- Vulnerabilities
- Identity Mgmt
- Remediation



Application Health

- App Migration (Cloud)
- Enhance CI/CD Models
- Open Telemetry (OTEL)
- **App/AI Perf Metrics**
- **AI Evals & Guardrails**
- Inter-Connections

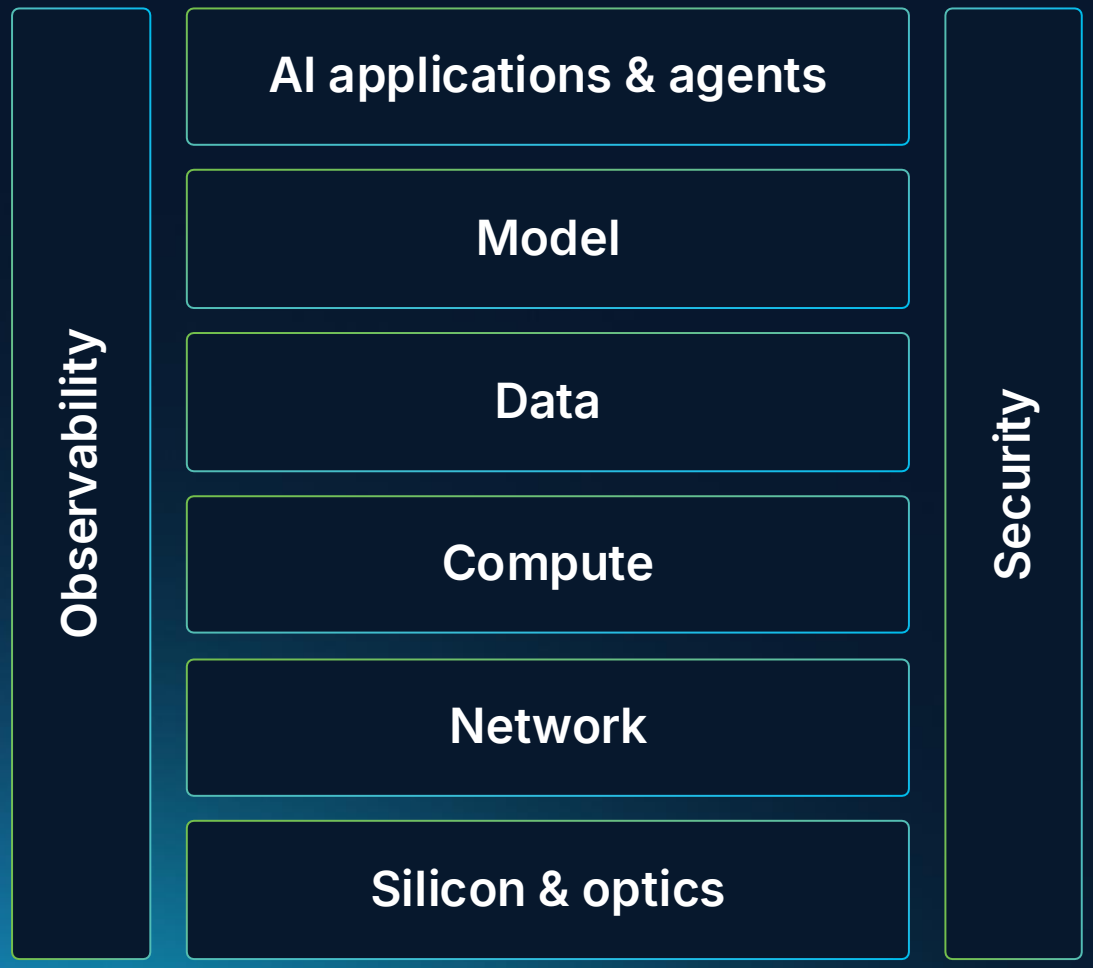
Infrastructure & Cloud Health

- Container Mgmt (K8,EKS,)
- INF Resiliency / Stability
- Unowned Networks
- Cloud Platform
- Optimization

Cisco Data Fabric (MELT)

Enterprise Monitoring Model Framework

Every **technology decision for your business now has an *observability dependency*.**



The fundamental question observability answers is changing

From “what broke?” to “can I trust the system?”



CISCO OBSERVABILITY TECHNICAL ARCHITECTURE

How Observability Built on the Cisco Data Fabric Works

Collect → Process → Access → Analyze & Act

INGEST FROM ANY SOURCE

- **Business Impact**
  Custom metrics • critical-process KPIs
- **AI Stack**
  Agents • models • GPUs • vector databases
- **APM**
  App & service traces/spans
- **Synthetics**
  User/network tests • session evaluations
- **RUM**
  Real user sessions
- **Infrastructure**
  Cloud/on-prem • hosts, network & ACI
- **Security**
  OCSF • eBPF • vulnerabilities
- **Logs**
  App • infrastructure • network • business



OpenTelemetry Native

Instrument & collect
MELT with open standards

INGEST + EDGE PROCESSORS

- Normalize
- Enrich
- Route / filter
- Transform
- Secure

Cisco Data Fabric

Unified MELT storage, analytics, observability and security

On-prem | Hybrid | Cloud-native

DATA FEDERATION PLATFORMS

- Amazon S3
- Snowflake
- Azure Data Lake
- Databricks



ANALYZE + ACT EVERYWHERE

- **Dashboards**
  Executive • service • domain
- **AI SRE / Assistants**
  Autonomous detection • troubleshooting
  remediation • control • explainability
- **AI Tools via MCP**
  Cisco Cloud Control • AI Canvas • assistants
- **Alerting & Incident Management**
  ITSI • PagerDuty • ServiceNow
- **Orchestration / Automation**
  SOAR • Ansible • Terraform

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Cisco Data Fabric powered by the Splunk Platform

The System of Record and Intelligence Layer of the Agentic Enterprise

Data

Unify Data and Insights at Scale for Faster, Safer AI

- Manage data at petabyte scale
- Land all data economically
- Tier data by use case

Context

Fuel Intelligence with Contextualized Machine Data

- Catalog your enterprise
- Correlate relationships
- Surface insights

Action

Activate the Agentic Enterprise to Move From Reactive to Predictive

- Deploy agentic operations
- Connect your agents
- Build proprietary AI

Trust & Governance

Open & Extensible

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Webex Control Hub

Nexus One

Security Cloud Control

Intersight

Meraki Dashboard

Splunk

Cisco Cloud Control



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Cisco AgenticOps

Cisco Cloud Control

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



Cross-domain telemetry



Purpose-built models



Trusted agents

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Delivering impactful customer outcomes



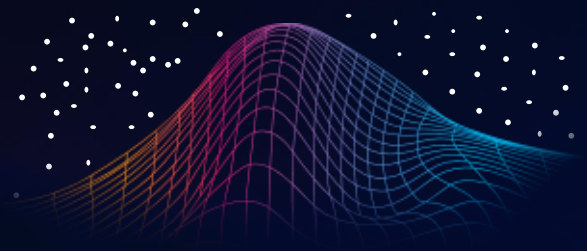
1. UNIFY

data and insights at scale
for faster, safer AI



2. FUEL

intelligence with
contextualized machine data



3. ACTIVATE

agentic operations to move
from reactive to predictive

AUTODESK

Data filtering and optimization capabilities are helping Hyatt cost effectively grow data visibility and **reduce mean time to resolution (MTTR) from hours to real time.**

ARGOS

Splunk AITK helped build custom AI models to process and analyze data locally using a digital twin without relying on constant internet access **resulting in $10M+ in savings.**

REPAY
Realtime Electronic Payments

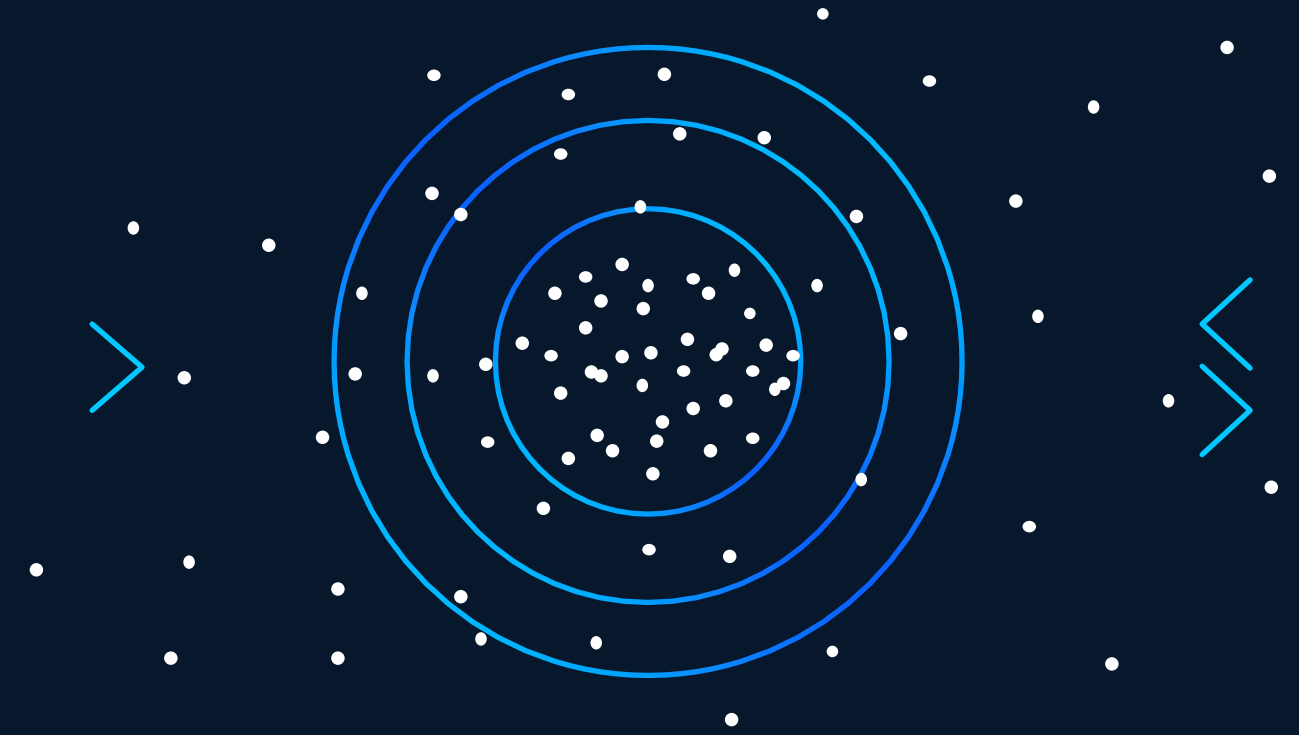
With the AI assistant in Observability Cloud, they were able to identify issues faster with a deeper understanding helping to **slash incident triage times by 50%.**

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1. Unify data & insights at scale for faster, safer AI

Any data, anywhere it lives, in the Cloud or On-Premises



Cross Domain Intelligence across the Agentic Enterprise

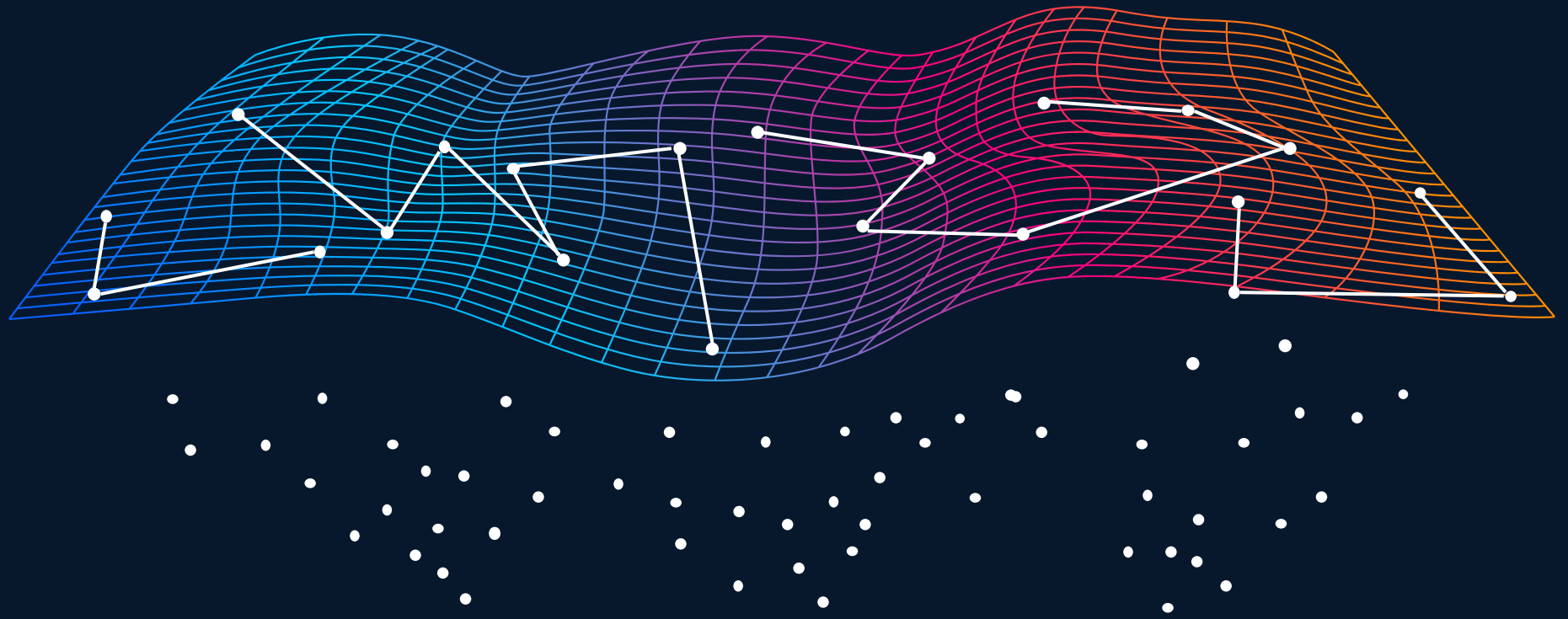
Unify cross-domain data for rapid value

Power AI with scalable, trusted information

Speed decisions by analyzing data where it lives

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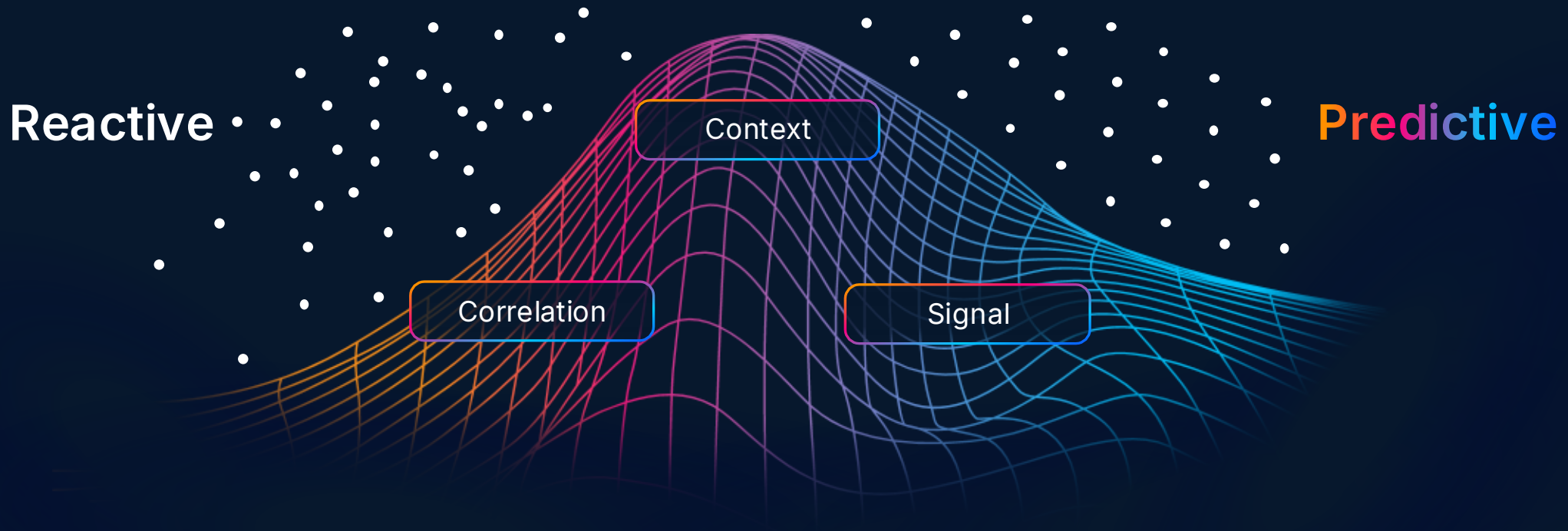
2. Fuel AgenticOps with contextualized machine data



Turn machine data into **real-time operational truth**
that agentic AI can act on accurately, at scale.

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3. Activate agentic workflows to move from reactive to predictive



Anticipate issues to protect customer experience

Accelerate resolution with guided, confident decisions

Automate with guardrails to focus on driving innovation

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Your Single Control Plane Across Domains

Cisco Data Fabric powered by Splunk

The Intelligence Layer of the Agentic Enterprise



SecOps

Mitigate cyber risk & secure AI adoption

Leader: Gartner® Magic Quadrant™ for SIEM (11 Times in a Row)



ITOps & Engineering

Monitor and mitigate from silicon to agent

Leader: Gartner® Magic Quadrant™ for Observability Platforms (3 Times in a Row)



NetOps

Unify network telemetry and context to reduce MTTx

Leader: Magic Quadrant for SD-WAN (6 times in a row)

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Accelerate Your Journey to the Agentic Enterprise **with Splunk**

Foundational

Optimized AI-ready Data Foundation

End silos and govern telemetry so AI decisions are accurate, auditable and reliable.

Augmented

Faster, Democratized Expertise

Contextual assistants empowering more people to answer the why, without specialist knowledge.

Agentic

Orchestrated Action at Scale

Supervised agents to execute repeatable playbooks at scale cutting time to resolution and operational toil.

Innovative

Build a Proprietary AI Advantage

Train custom models to unlock unique, hard to replicate business outcomes.

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What About Agentic Observability ?



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Agentic Observability Solutions Engineer

Date placeholder

The AI trust gap

Inaccurate and low quality agent behavior creates business risk and drastically increases costs



AI is unpredictable

AI agents behave (and fail) in ways that are difficult to simulate: hallucinations, flawed reasoning, bias, policy drift



AI is expensive

Agent interactions consume tokens and resources. It's difficult to know which are useful or wasted



AI lacks governance

No guardrails and audit trails to *block* harmful agent behaviors and establish trust

It's hard to understand agent behavior,
stop agents from taking the wrong actions
and control token costs

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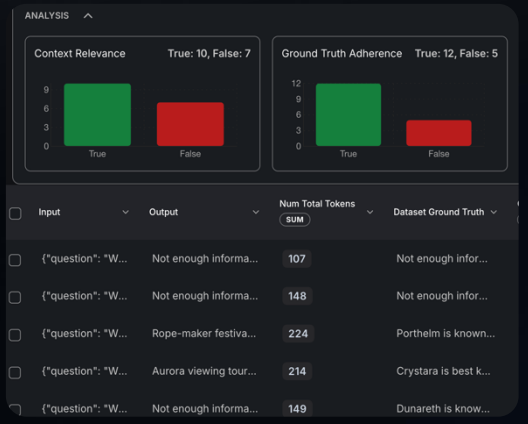
Agent Observability Use Cases

Evaluate

Improve agent behavior

Evaluate agents and models

Build and deploy accurate evals for hallucination, bias, relevance and safety

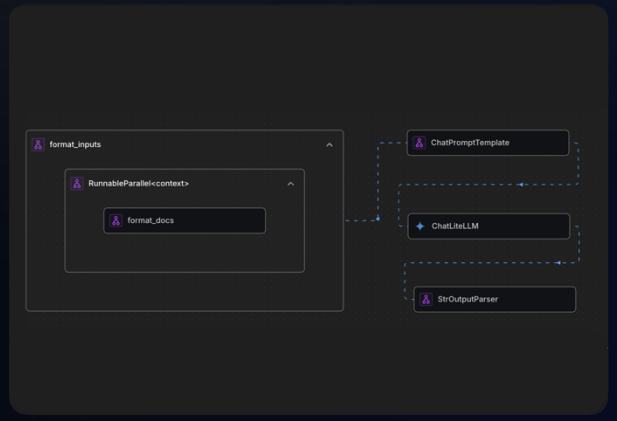


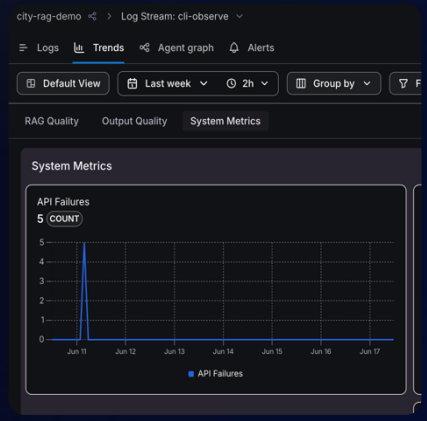
Observe

Diagnose failures and optimize cost

Manage AI performance affordably at scale

Isolate root cause, trace intra-agent dependencies, analyze workflows, and optimize costs across the AI stack





Guardrail

Block harmful & inaccurate outputs

Prevent harmful outputs

Prevent inaccurate or harmful outputs with runtime guardrails



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Splunk Agent Observability

End-to-end observability for the agent lifecycle, from development through production

AVAILABLE AUGUST 2026



Accurate Evaluations

Evaluate agent, output, and RAG quality with high-accuracy evals out-of-the-box and custom metrics.

Deep Insights

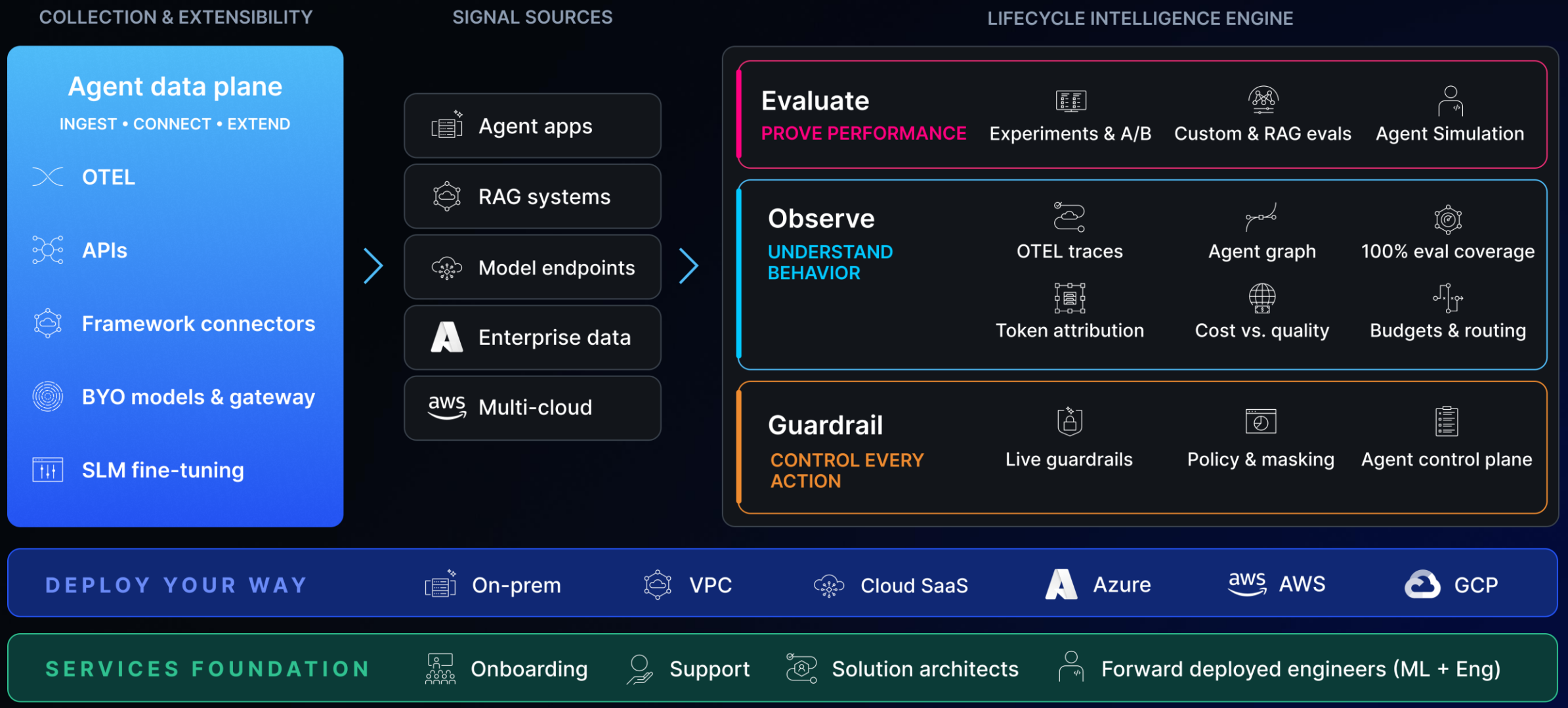
See the root cause of errors and waste in complex multi-agent workflows.

Runtime Guardrails

Leverage Luna SLMs for runtime guardrails. Block hallucinations, prompt injections, and safety violations at machine speed.

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Coverage across the entire agent lifecycle



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Demo

