



The bridge to possible

Cisco IT AIOps

Scaling Enterprise Observability: Insights and Best Practices

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BRKAPP-2037

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Cisco Webex App

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How

- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until June 7, 2024.

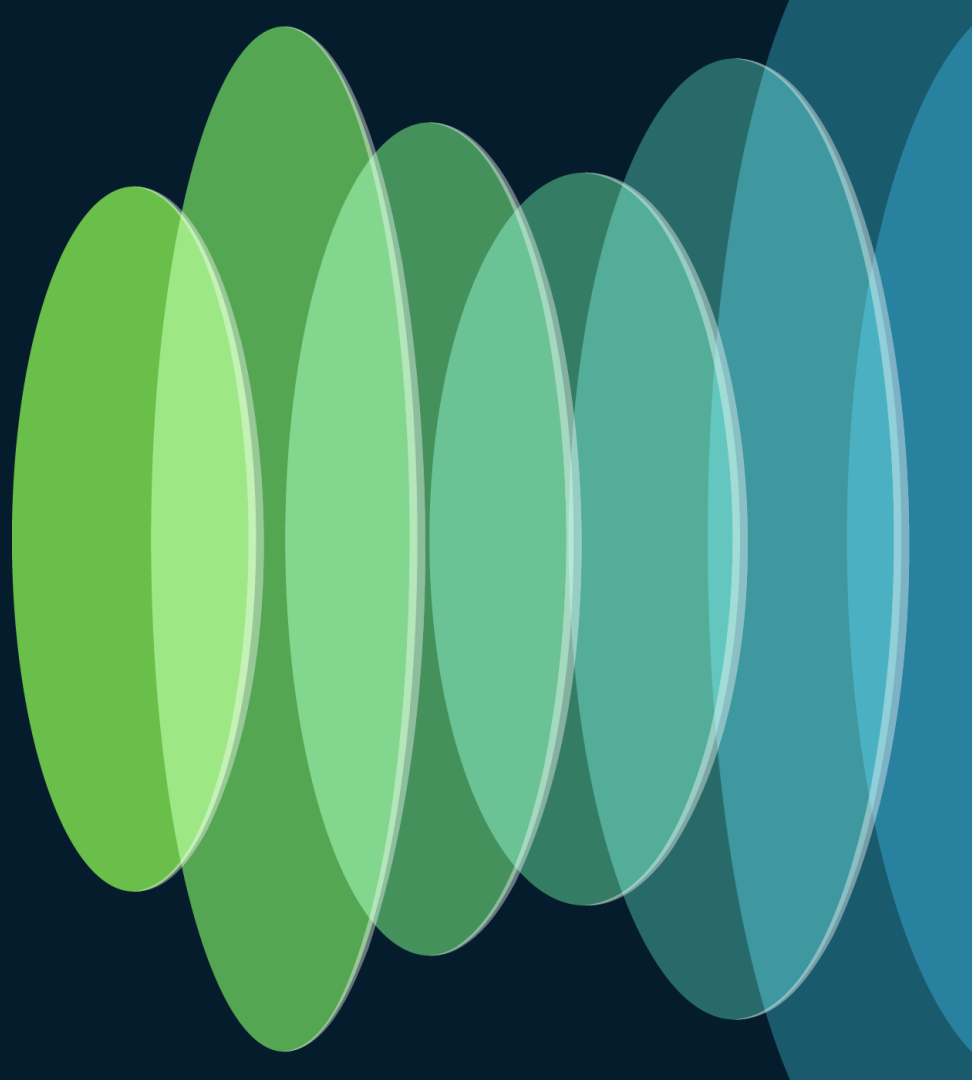




Agenda

- Introductions
- Setting the Stage
- The Vision
- Execution
- Results
- What's Next

Introductions



Cisco IT



Anusha Nataraj

Leader, Service Delivery
Management, Cisco



Venkat Bongoni

Principal Architect, Cisco

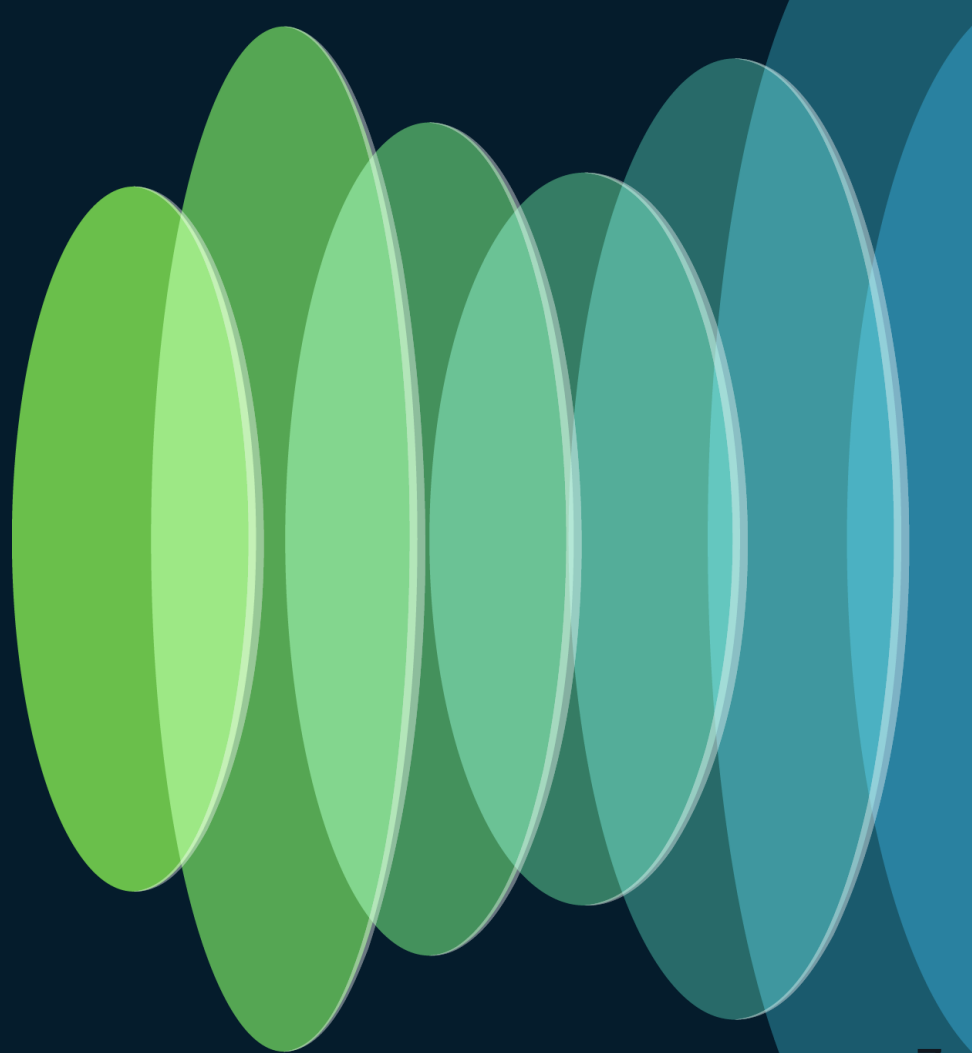
Cisco AppDynamics



Wayne Brown

Partner Engineering Team
Lead, Cisco AppDynamics

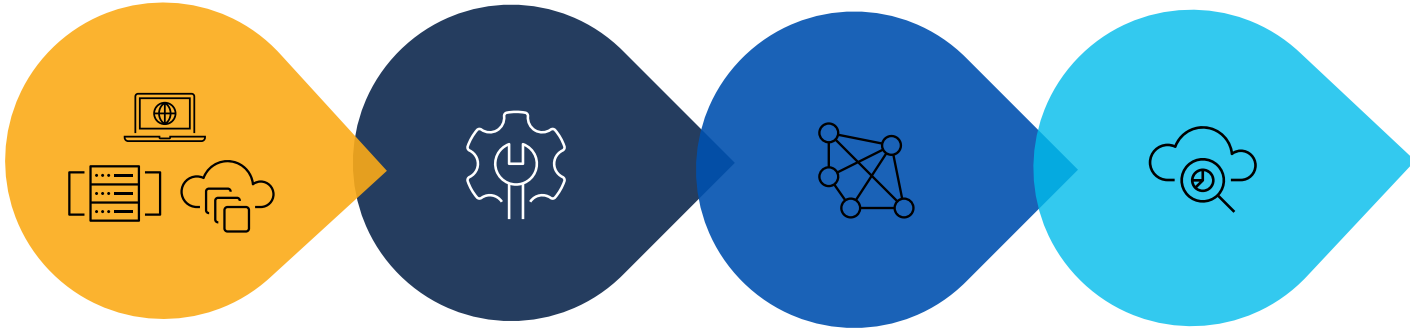
Setting the Stage



AI Ops Impact for Cisco IT

- **60%** Reduction in MTTR
- **80%** Reduction in Business-Impacting Hours
- **99.99%** Business Availability

IT Complexity



Increase in volume
of Applications,
Data, Tools, and
Systems across
hybrid landscape

Increase in
Operational
Complexity

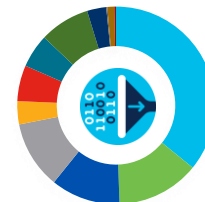
Increase in System
dependencies

Increase in
Monitoring tools

Cisco IT Observability Landscape



Event Distribution



4,800+ Routers



7,300+ LAN Switches



11,000+ UCS servers



56,000+ Virtual Machines



300,000+ Nodes



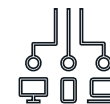
24,000+ Access points



70,000+ Containers



3000+ Databases



Availability Monitoring for 292,500+ Endpoints

Key Use Cases



DevOps



Domain
teams/SRE



Duty
Managers



Command
Center



Leadership
(Service
Management
Executives)



Policy-enforced monitoring | reduce IT noise

Reduce Noise through AI techniques; Automated policy enforcement, detect critical root-cause events and prioritize for faster issue triaging and detection



Cross Domain event correlation for monitoring On-Prem and Cloud based IT Services

Correlate events across various domains (AppOps, SecOps, NetOps, CollabOps, InfraOps) for end-to-end IT service monitoring



Incident Correlation and Self-Remediation

Reduce mean time to resolve issues through AI based advisory ; correlate live events with historical incidents, changes and problems



Real-time Service Availability Monitoring

Monitor IT Service availability in real-time with insights into impacted services , application and infrastructure components



Outage Prediction with Actions

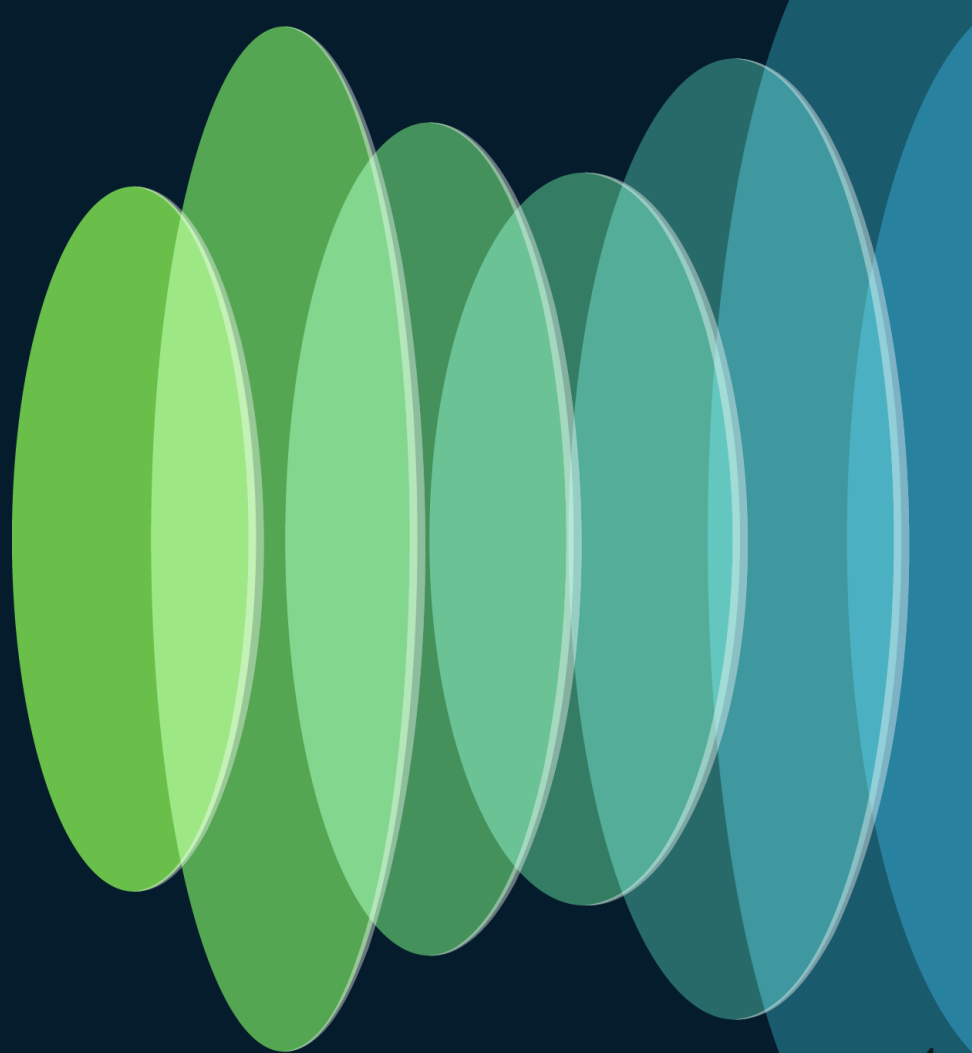
View predictive alerts for IT services , narrow down to causing application modules , components or end points to make quick decisions



Persona Based Unified Visualization

Visualize Business KPIs and IT's Service performance using the 5-level visualization framework from Domain teams /SRE to Leadership view

The Vision



Our Vision

Over the top virtual simplicity, insights, and action

Platform Agnostic

Any platform, any location, any operational domain, easy and fast on-boarding.

Insights

Inter-domain metric and incident correlation, of incidents and services across all operational domains – AppOps, NetOps, InfraOps, SecOps, CollabOps

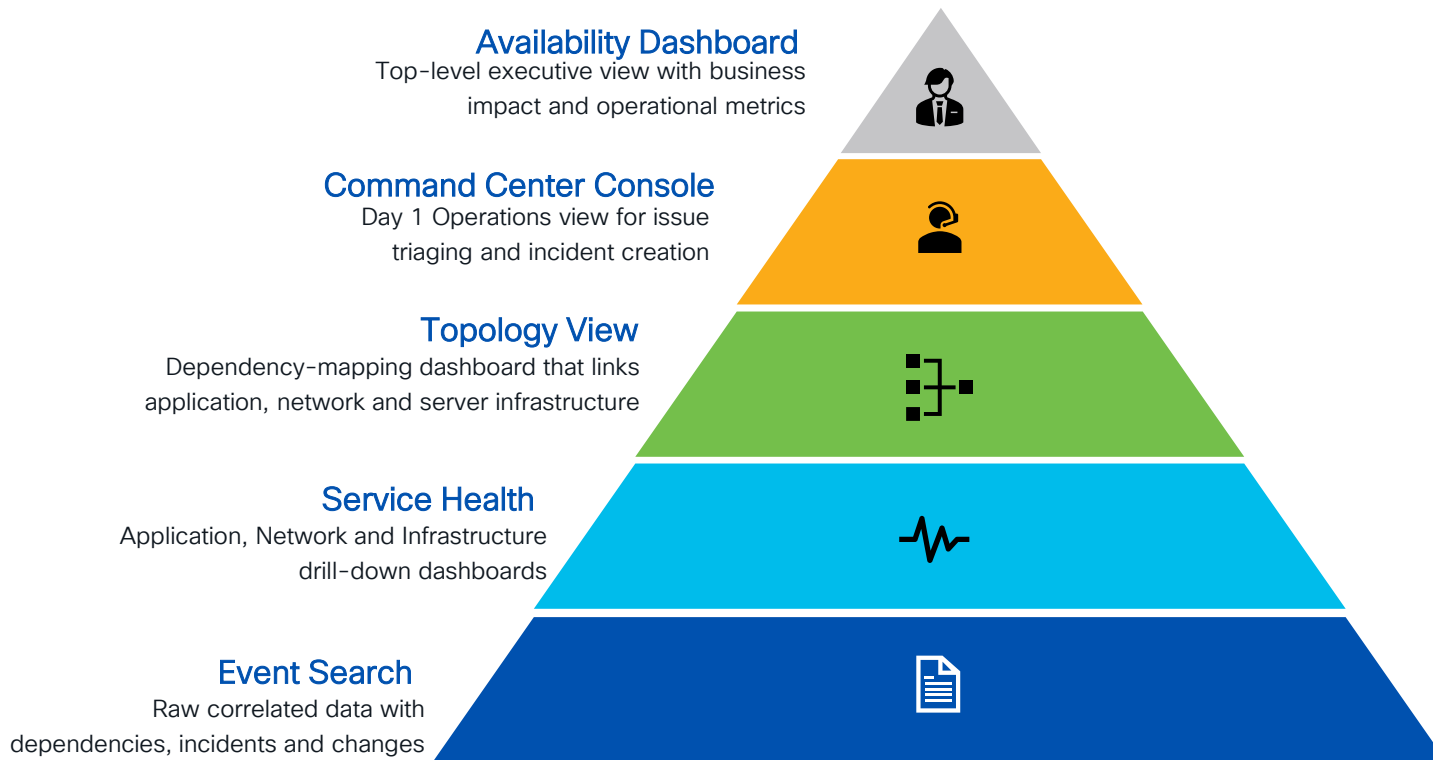
Unified Visualization

Inter-domain 5 levels of persona-based end-to-end visualization of entire I&O system health on a single screen

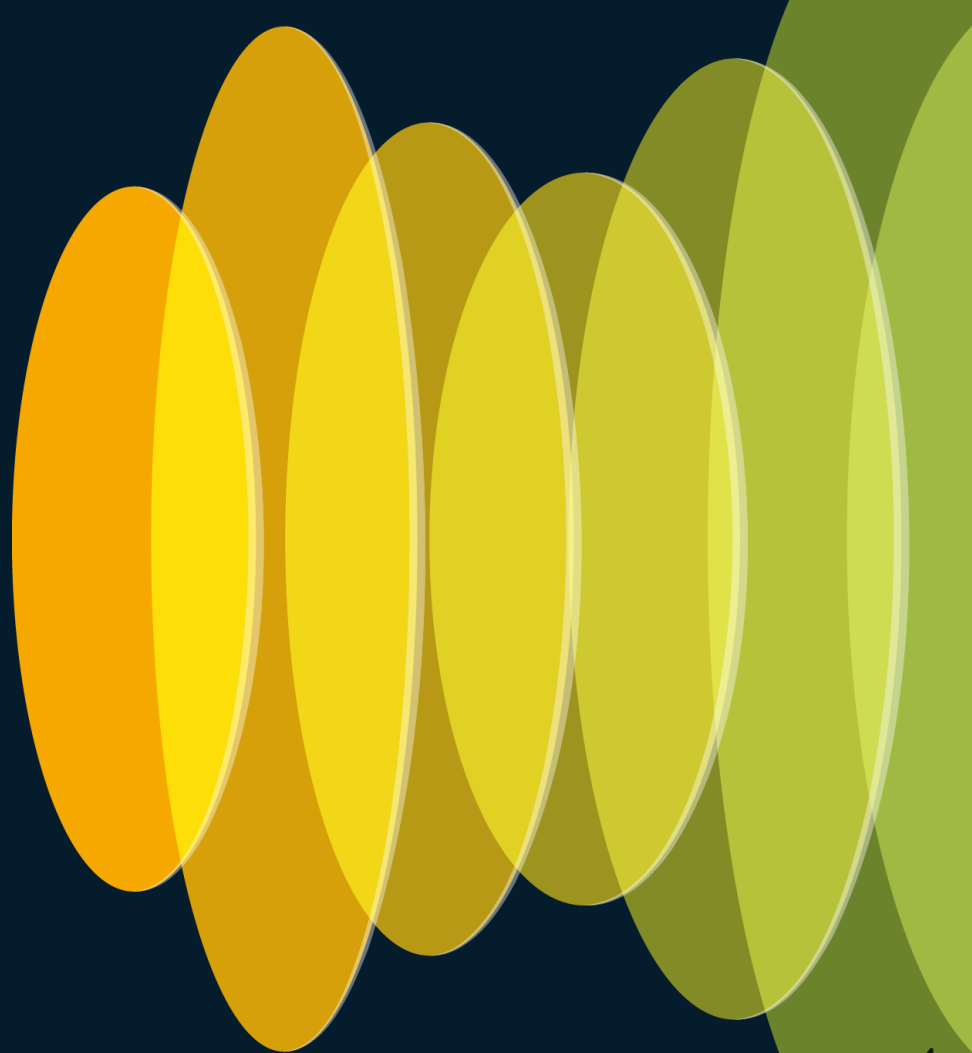
Actions

Discover actionable events from correlated alerts and notifications and act on it

Multi-Persona Visualization Framework



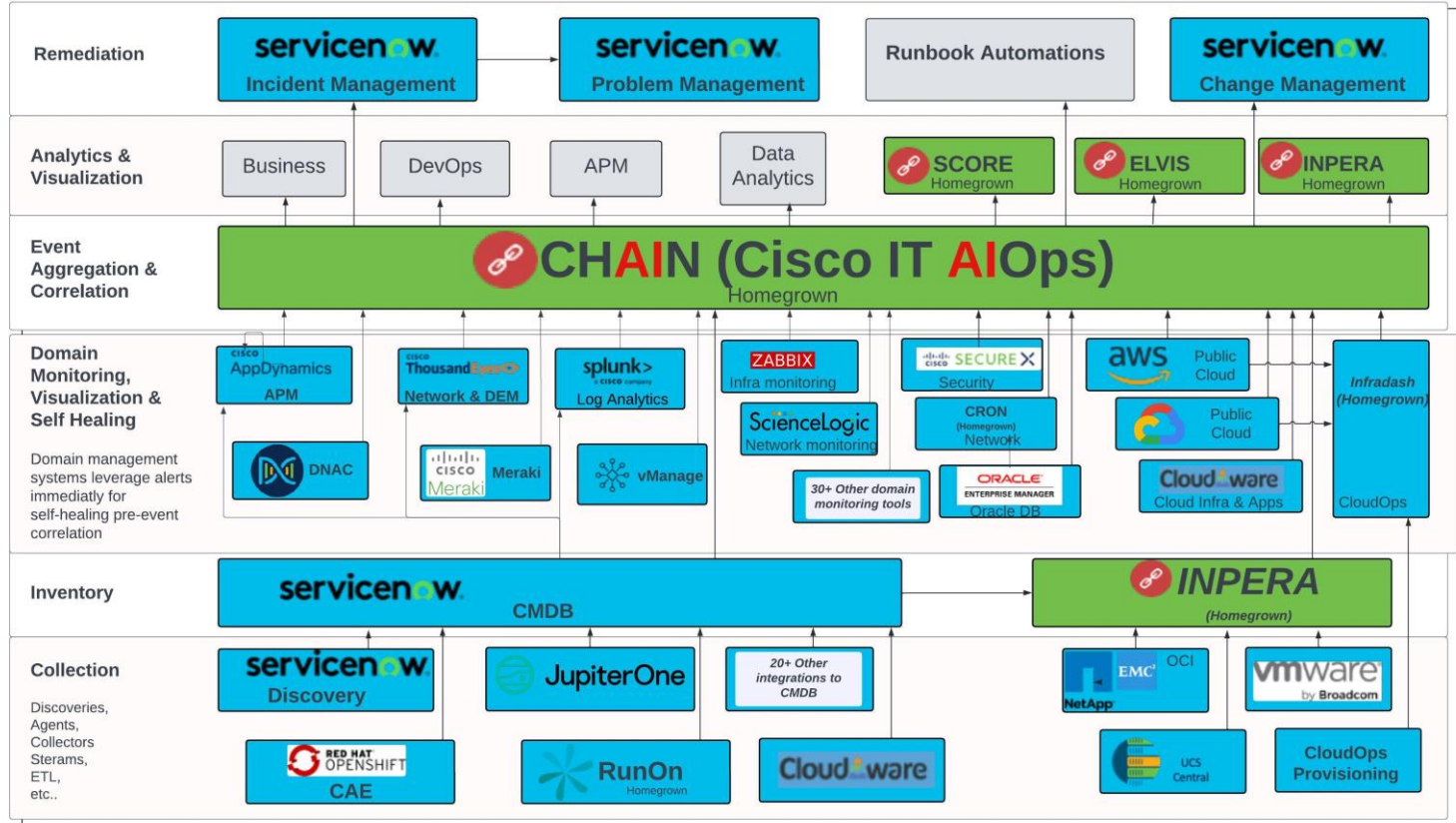
Execution



Monitoring & Observability in IT – Today

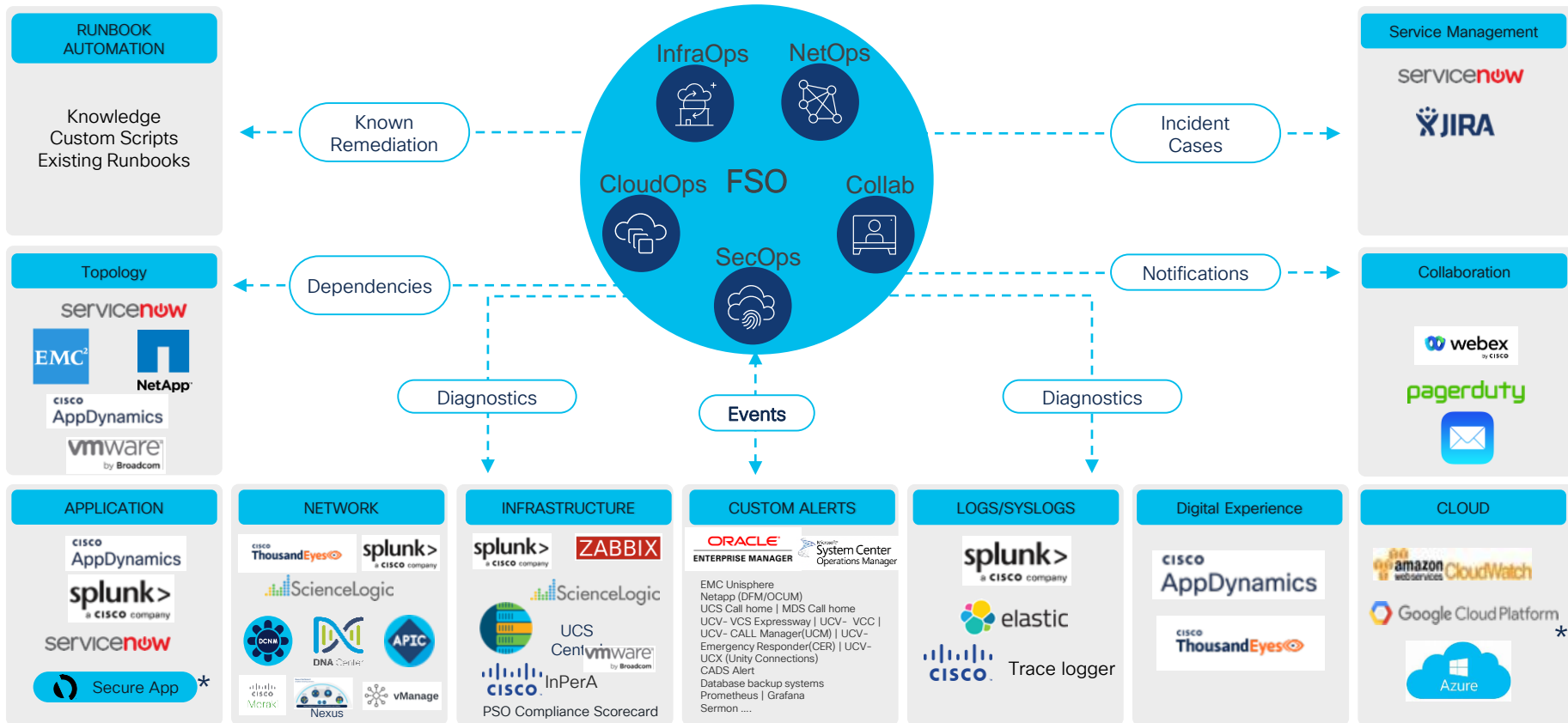
Aggregating events and metrics into a single view

Focusing on Cisco solutions but providing support for a dynamic range of monitoring tools



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Cisco's IT AIOps Inter-domain Integrations



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Drive Operational Excellence through Cisco AIOps

Noise Reduction

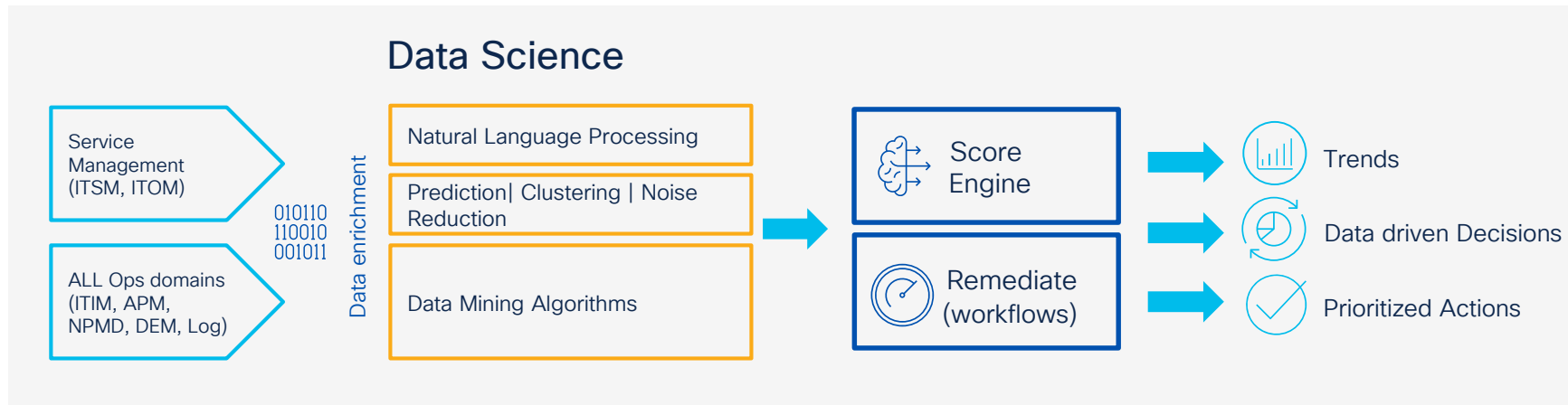
Content and time-based event grouping ; Event Deduplication

Event Clustering

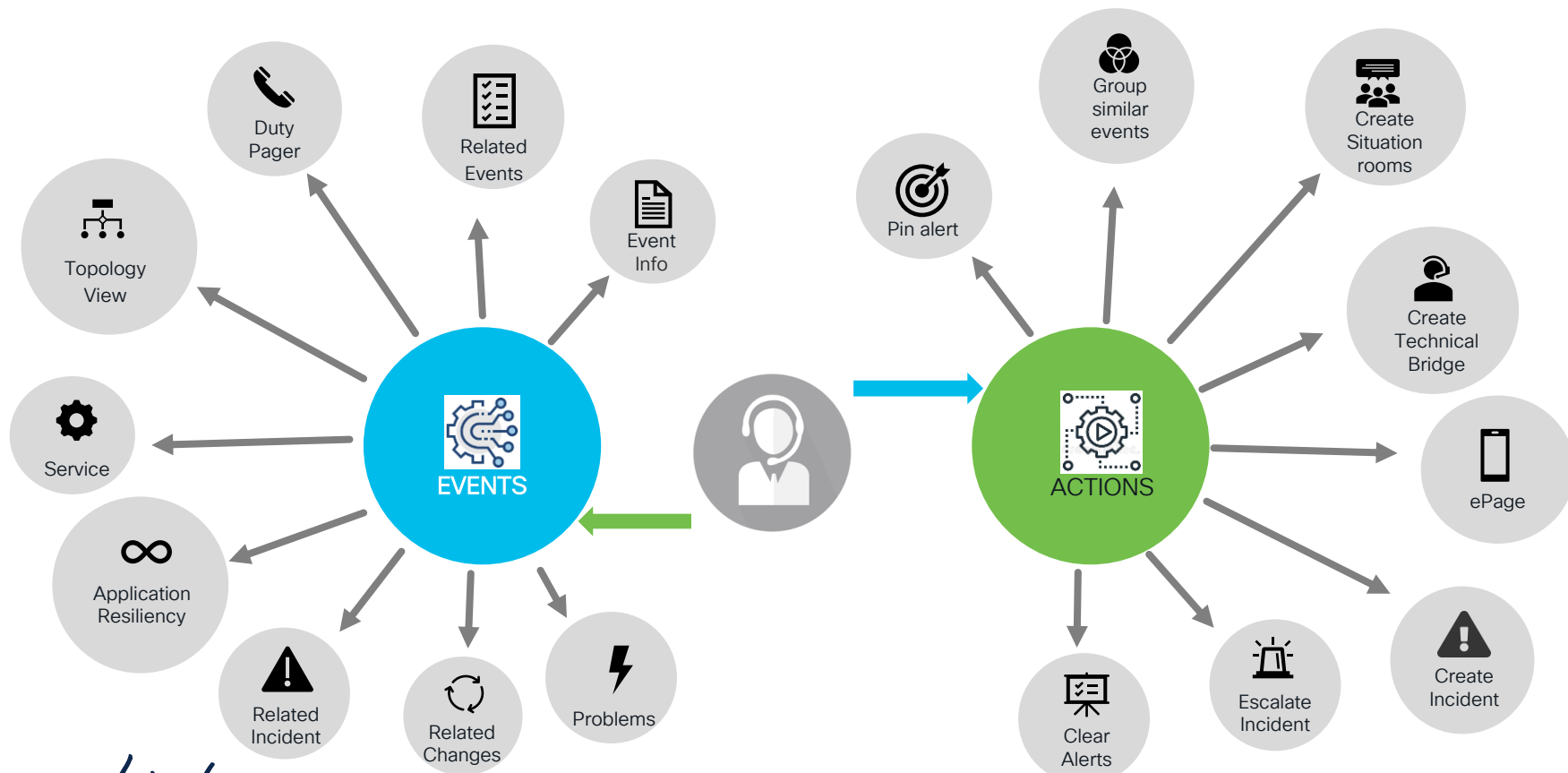
Decision-making based on results from prediction & clustering

Predictive Events

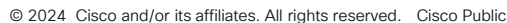
Model training on historical correlated events with incidents data



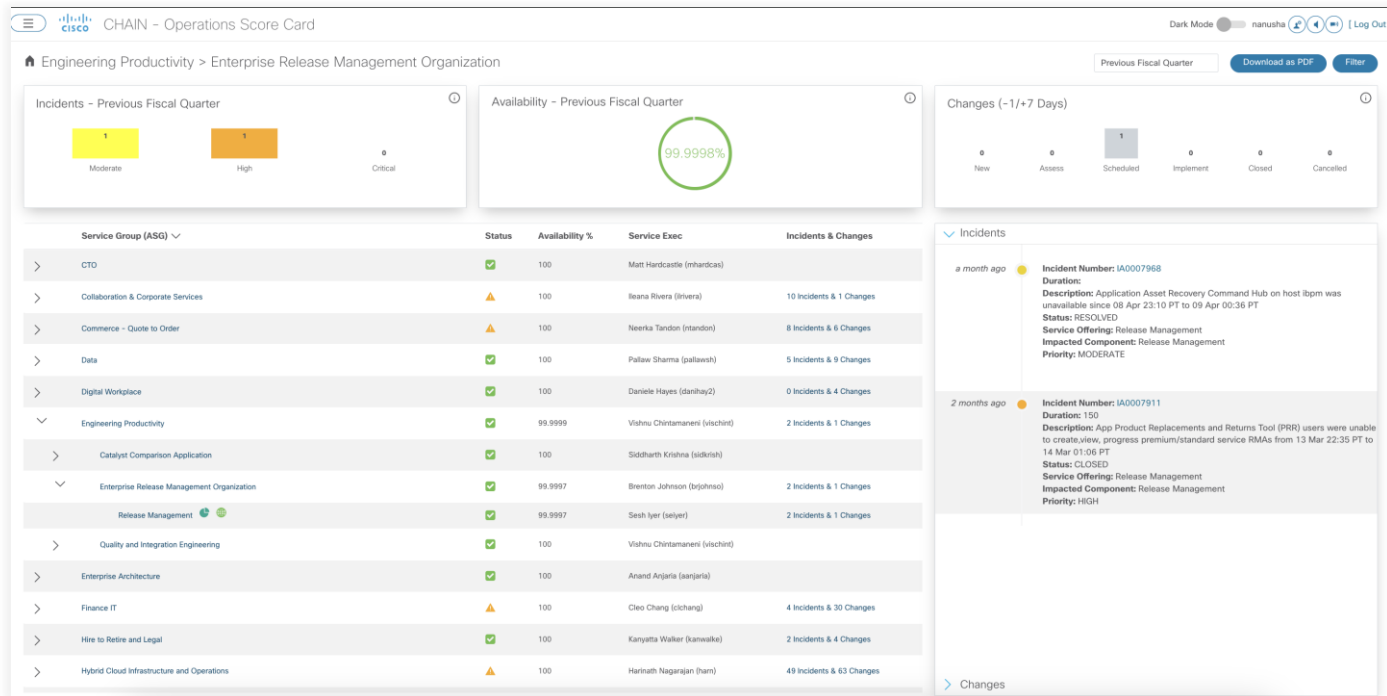
Event Management



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CIO view

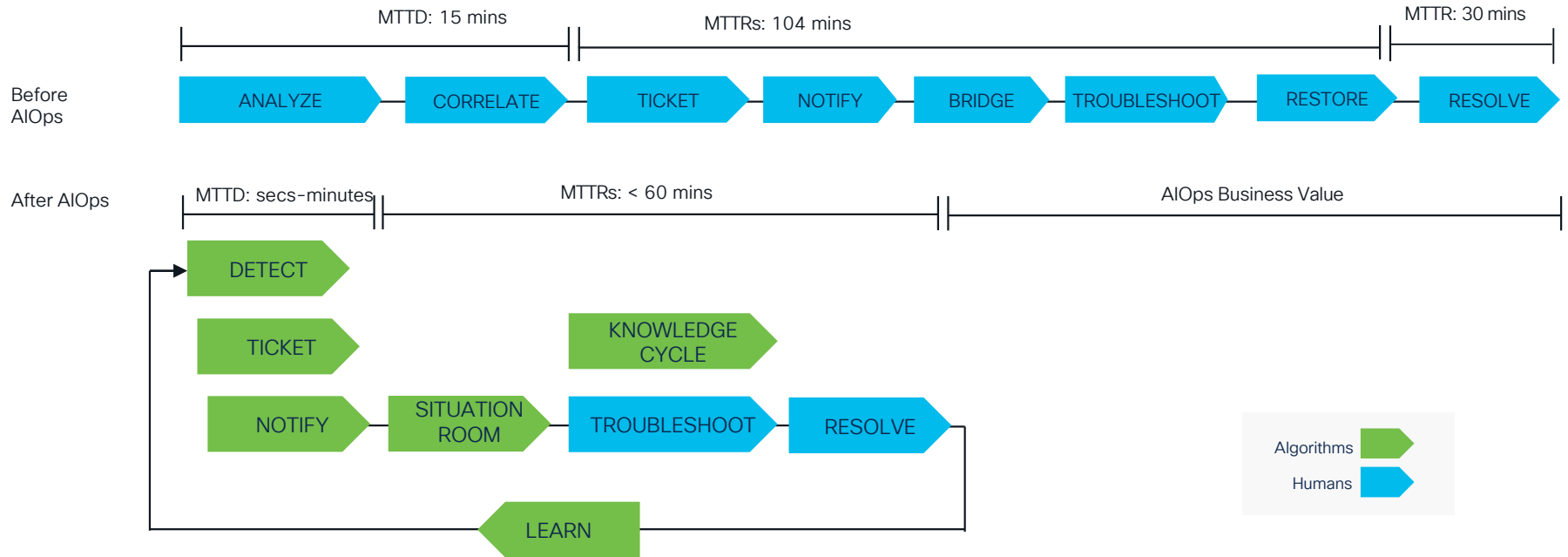


Real-time IT Availability with insights into ongoing Incidents and changes

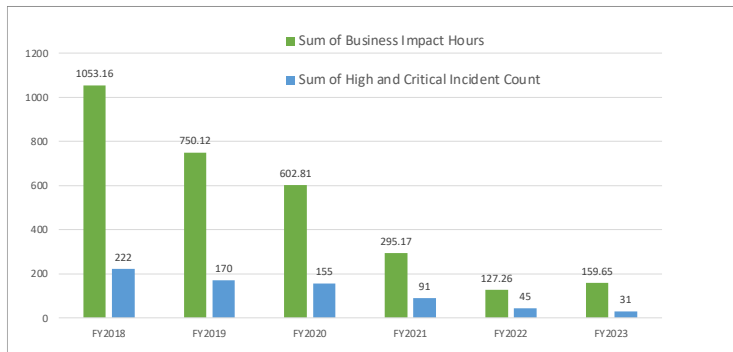
Drill-down view to business functions and related business impact

Results

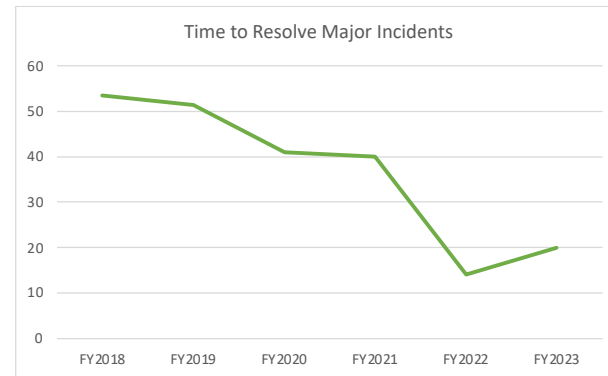
Business Value



IT operational metrics



↓ 80%
Reduction
in business-
impacting hours



↓ 60%
Reduction
Time to Resolution



↑ Improved
Business availability
from
99.98 → 99.99

What's Next

Our Full-Stack Observability portfolio

Full-Stack Observability use cases

GenAI Powered Unified Observability Experience

Splunk IT Service Intelligence

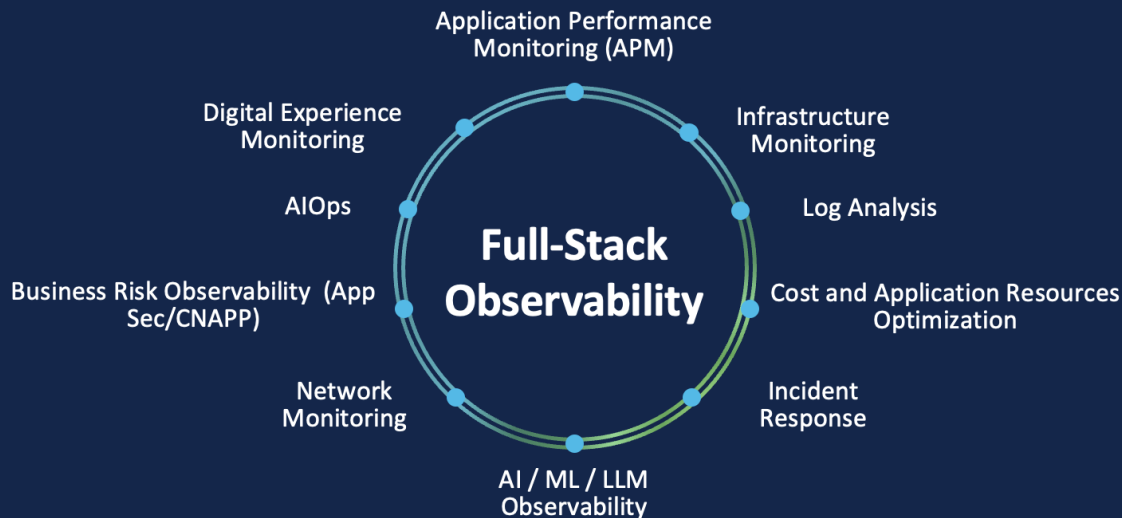
Business Service Monitoring, Event Aggregation, AIOps

AppDynamics SaaS | On-Premises

Splunk Observability Cloud

Splunk Enterprise | Splunk Cloud

Cisco + Splunk Full-Stack Observability



Real-Time
Insights

AI
Powered

Federated

Open Telemetry
Native

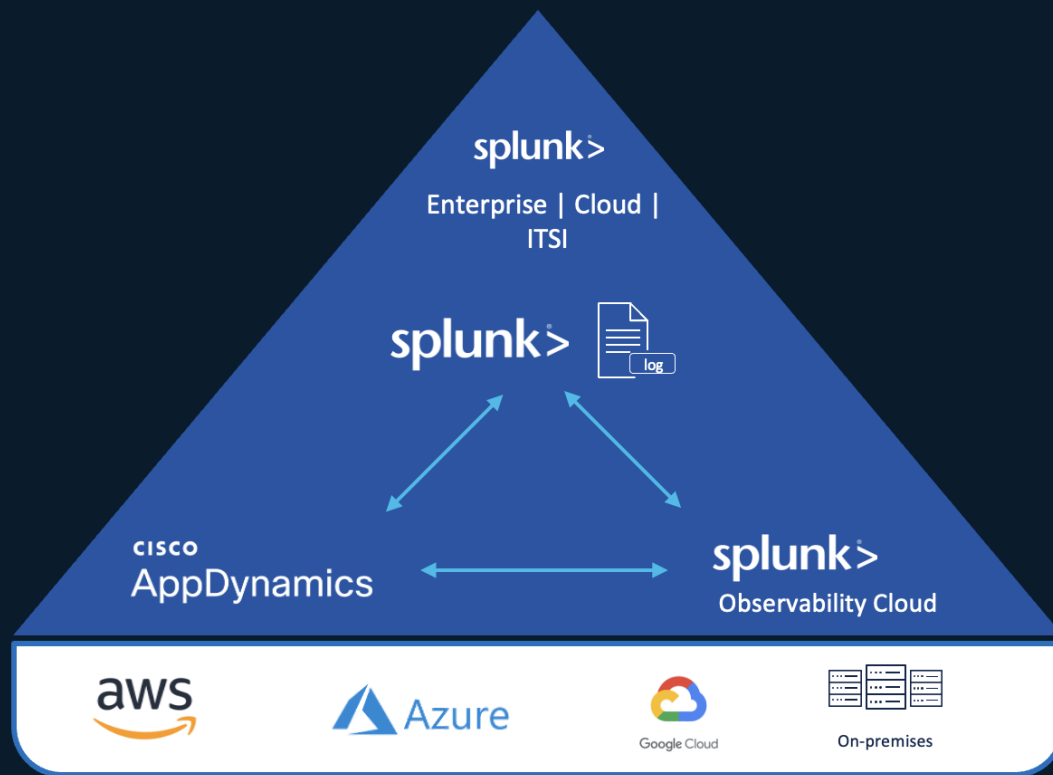
Extensibility

Cross
MELT

Business context

On-Prem | Hybrid Cloud | Multi-Cloud | Cloud-Native

Our initial approach



Complete Your Session Evaluations



Complete a minimum of 4 session surveys and the Overall Event Survey to be entered in a drawing to **win 1 of 5 full conference passes** to Cisco Live 2025.



Earn 100 points per survey completed and compete on the Cisco Live Challenge leaderboard.



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Thank you

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