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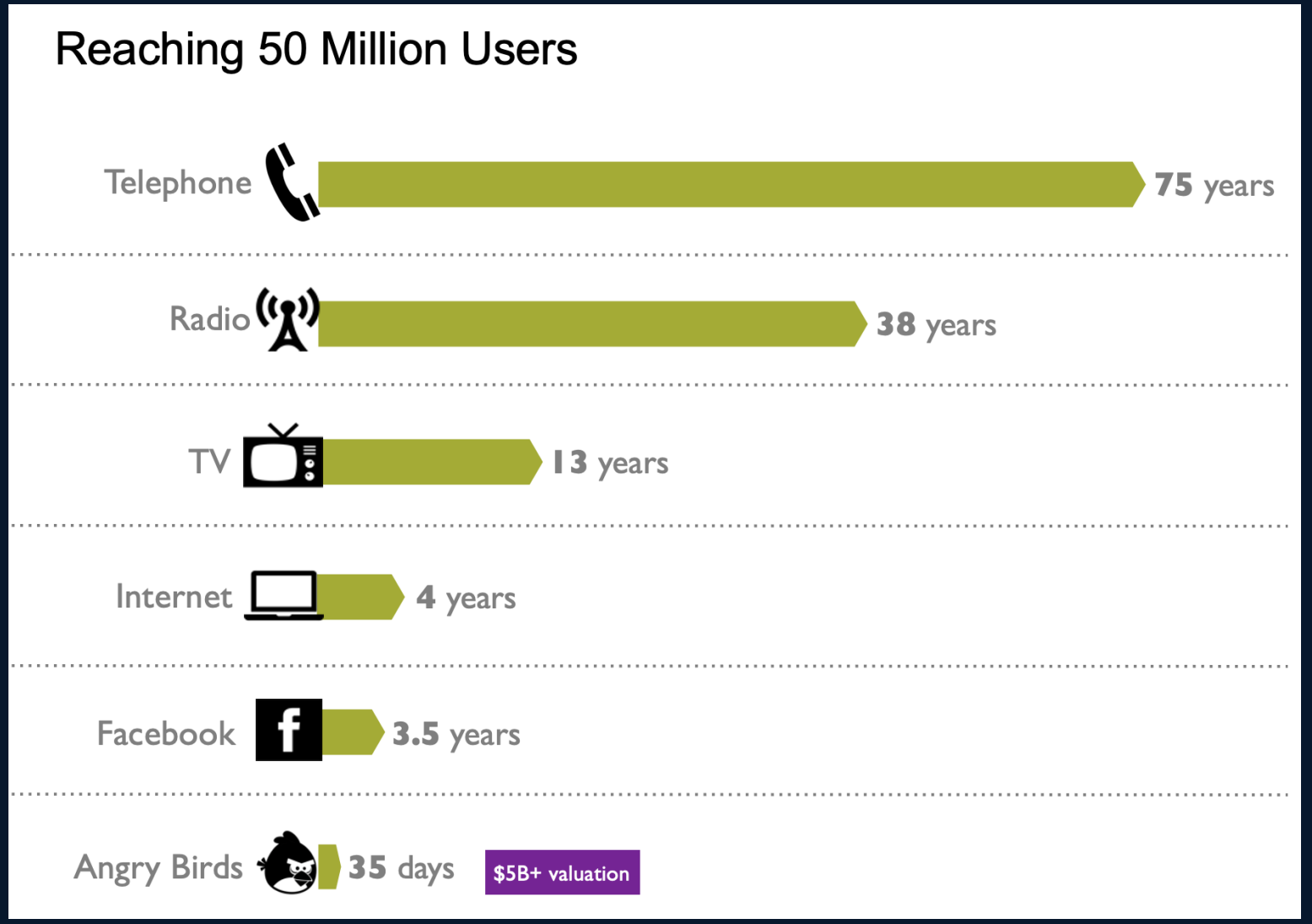
Observability With Cisco & Splunk Cisco One

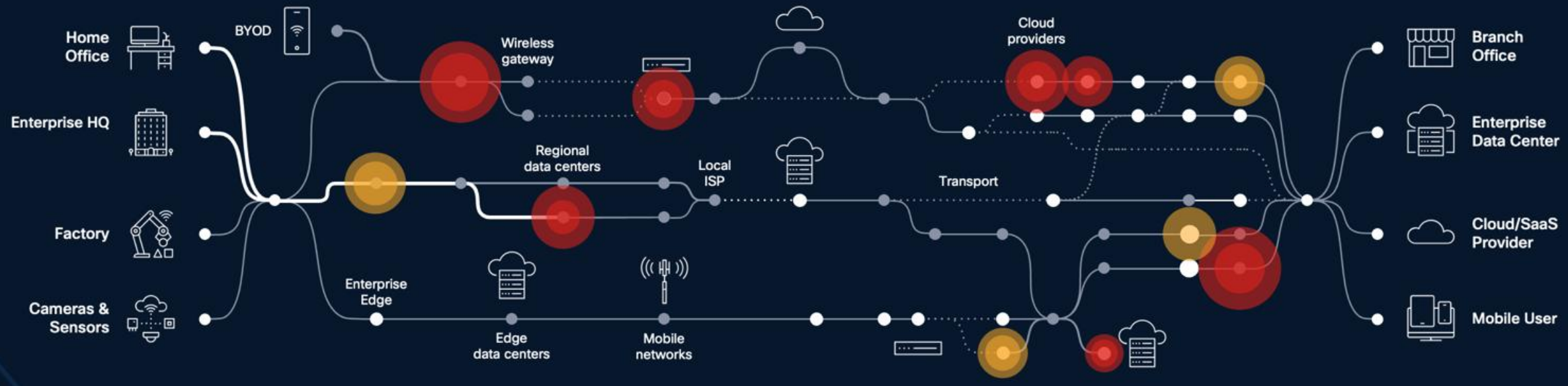
Cisco Connect

Reaching 50 Million Users



Complexity creates risk

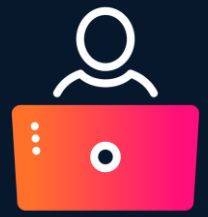
The need for visibility and actionable insights has never been greater to protect against cyber threats, downtime, and poor experiences



The Observability Challenges

Visibility Gaps
More Stacks & Data results in Less Clarity

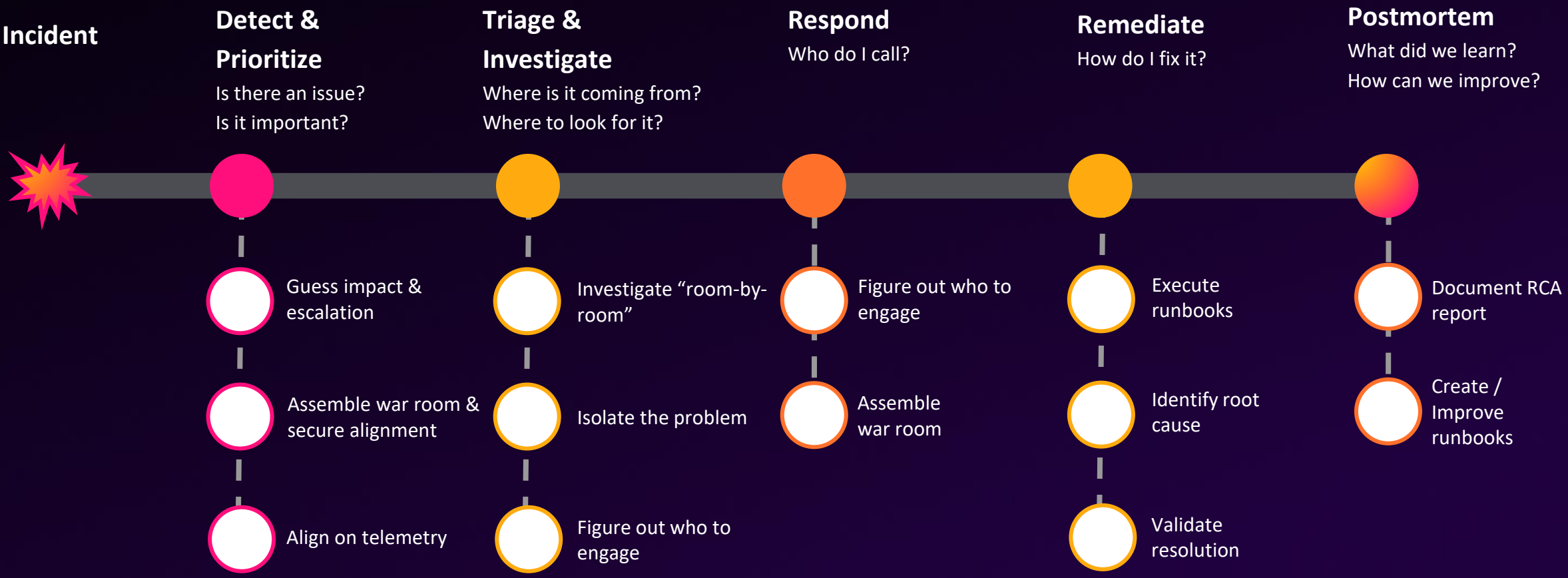
Lack of Unified O11y
Too Many Tools, Too Little Insight



Data Explosion & AI
Data Outpaces Human Insight

The Incident Management Workflow

The Workflow that AI is about to Transform

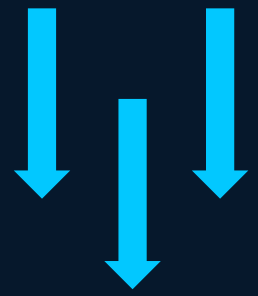


Logging Vs. Observability: What Are The Basics

Traditional Logging	Full Observability
Collects log files	Collects logs + metrics + traces
Reactive (after issue)	Proactive and predictive
Minimal correlation	Automatic correlation across systems
Limited context	Deep visibility into user journeys and service performance
Manual triage	AI-assisted root cause analysis

Cisco One's approach to observability

Ensure the **resilience** of digital systems and reduce the **human toil** of operating them by letting **software** do more of the **heavy lifting** to **identify problems, find root causes,** and **take corrective action**



See the business impact of every performance problem

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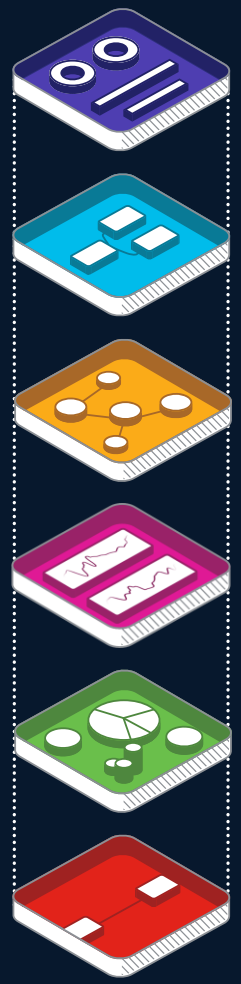
Cisco One Resilience



BUSINESS — Correlate performance metrics with business outcomes

USER EXPERIENCE — Provide a flawless user experience, every time

APPLICATION — Improve application performance (APM) and ensure quality software delivery.

INFRASTRUCTURE — Monitor and manage on-premise and cloud

NETWORK — Isolate performance issues across third party networks, monitor the internet, and SaaS apps

SECURITY — Automate and continuously adapt application security

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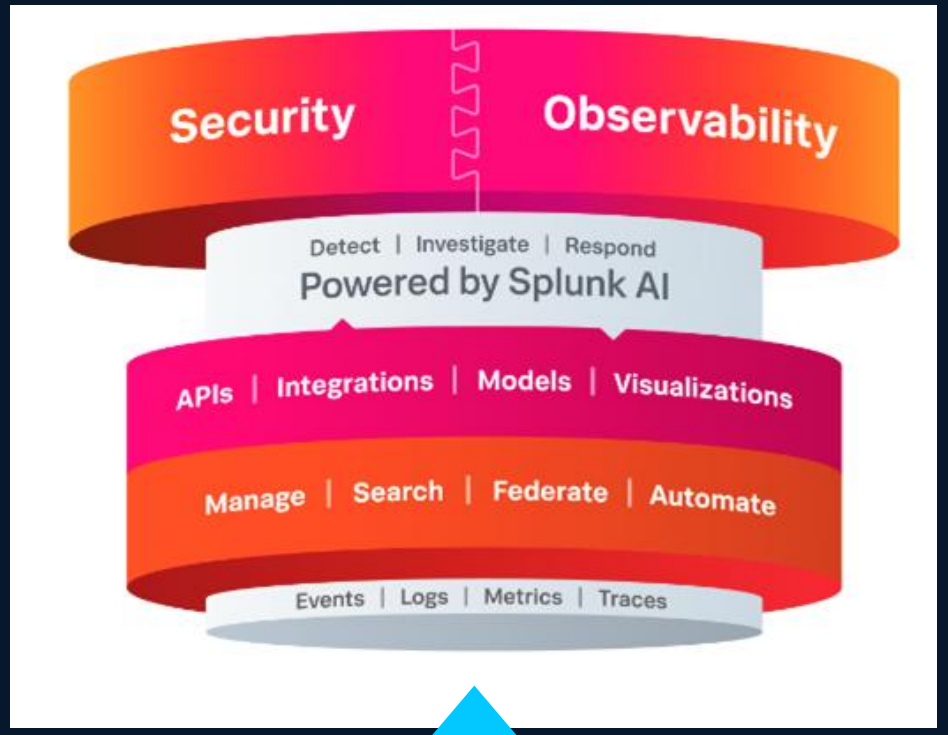
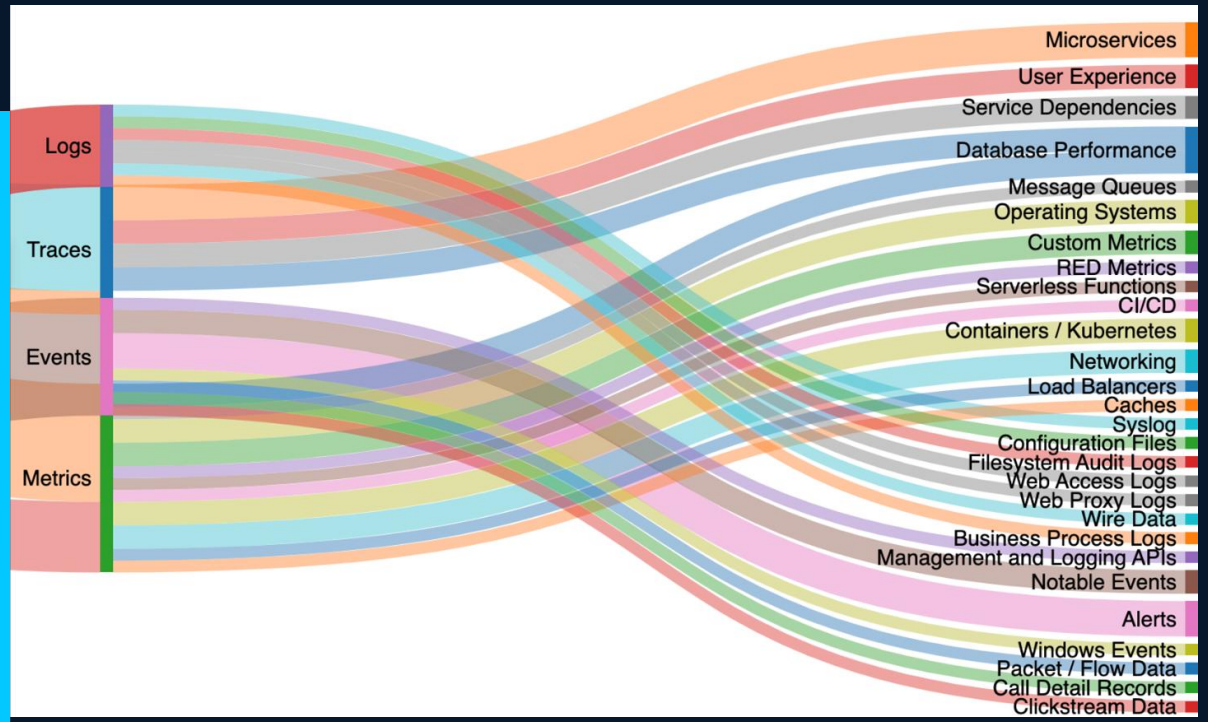
Data is the Differentiator for Cisco's Observability

The only unified security and observability platform

Multiple Use Cases on Common Data Drives Efficiency, Cost Optimization, and Standardization





Full-Stack Hybrid Cloud Observability

Complete vi

splunk> IT Service Intelligence

Business service monitoring, event aggregation / AIOps, network monitoring

Traditional three-tier environments

On-prem and cloud offerings

splunk> AppDynamics

ThousandEyes

Digital Experience Assurance

Unified Experience

(Common look & feel, SSO, unified AI, deep links)

splunk> Observability Cloud

Cloud-native, microservices environments

Logs Integration

Logs Integration

splunk> Enterprise | Cloud Platform

ThousandEyes (Enterprise networks and app synthetics)

Catalyst Center

Meraki

ACI + Nexus Dashboards

Catalyst SD-WAN manager

Private

Public

APP

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The Evolution of Monitoring & Observability

From Reactive to Autonomous: Tracing the Journey to AI-Driven Observability

Reactive
(Basic)

Issue detection after failure

Proactive
(Smarter)

Addressing issues before major impact

Predictive
(AI-Driven)

Anticipating failures

Autonomous
(Self-Healing)

Automated detection and remediation

Our approach toward ML and AI

Generative AI

Make everyone an expert

Reduce need for environment and tool expertise by simplifying analysis and investigations

Detect and predict

Real-time, streaming analysis to detect anomalies and forecast trends

Machine and Deep Learning

Correlate and diagnose

Aggregate and analyze all data to investigate and identify root cause

Introducing agentic observability

Three key innovation areas

Unified observability that surfaces business impact

Instrument and monitor three-tier and microservices environments in one solution, with deeper business context.

Fix & prevent problems using AI agents

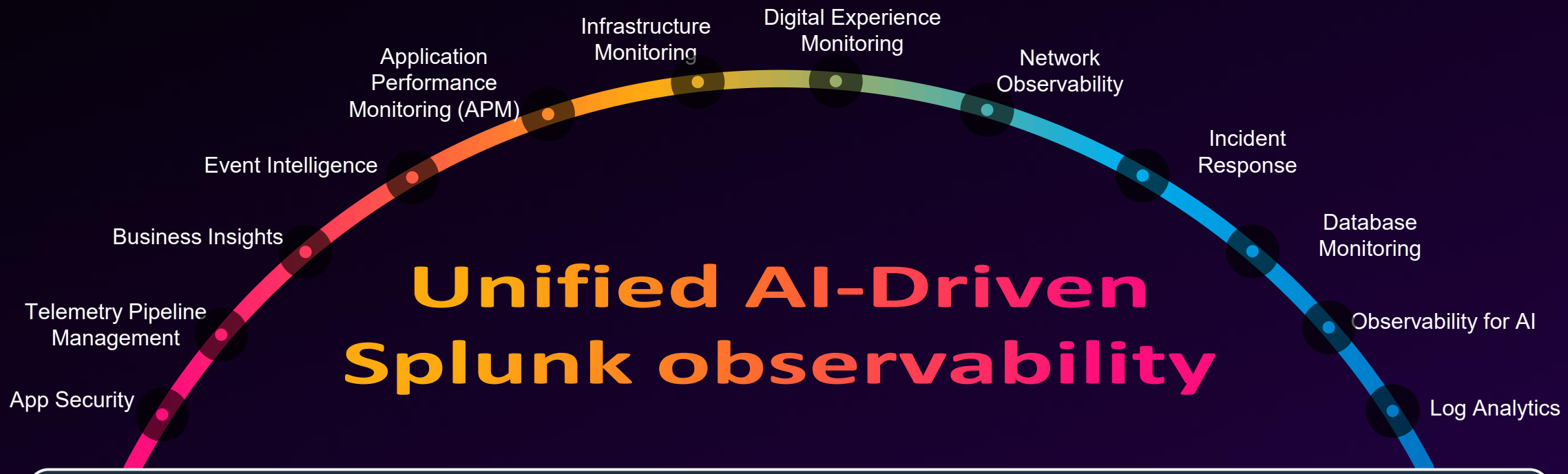
Agentic AI to assist setup, and detect, identify root causes and fix problems before they turn into business-impacting incidents.

Observe AI agents & infrastructure

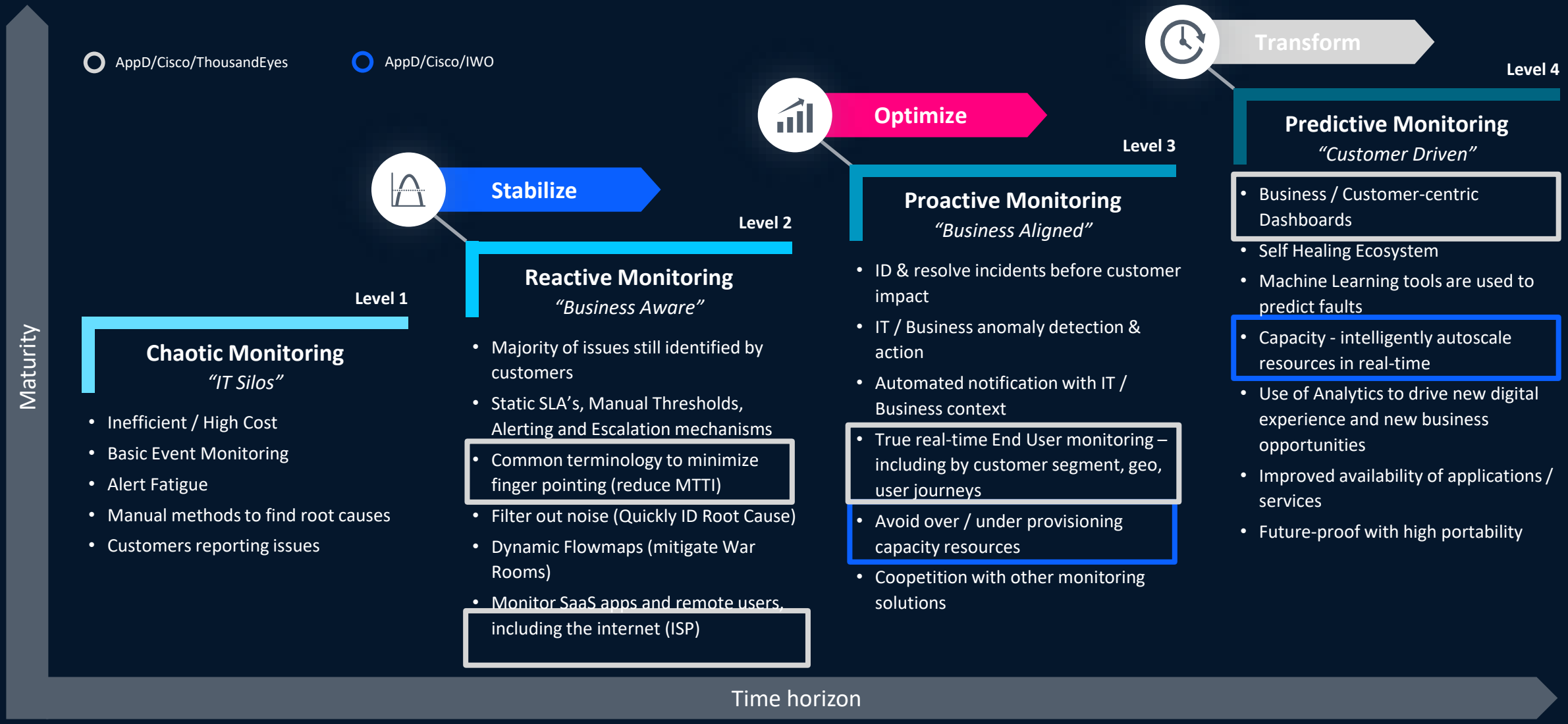
Monitor the health, performance, quality, and cost of the entire AI application stack, including agents, LLMs, and AI infrastructure.

Key Takeaway

Build and future-proof resilient operations with...



Cisco One Resilience Maturity Model



Leverage the Maturity Model with where our solutions fit within Full Stack Observability