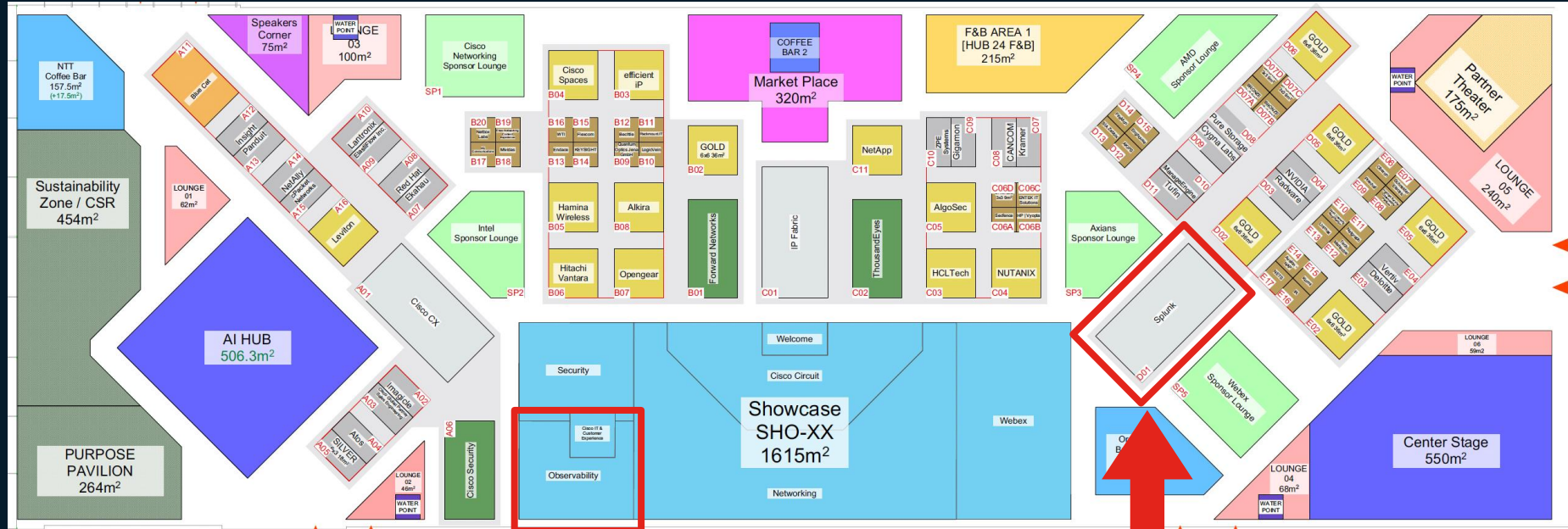# New innovations for Splunk AppDynamics that Enhance Observability for Hybrid and On-Prem Applications

Cale Hilts – Sr. Product Marketing Manager, Splunk AppDynamics

PSOOBS-1889

For more information and to see a demo

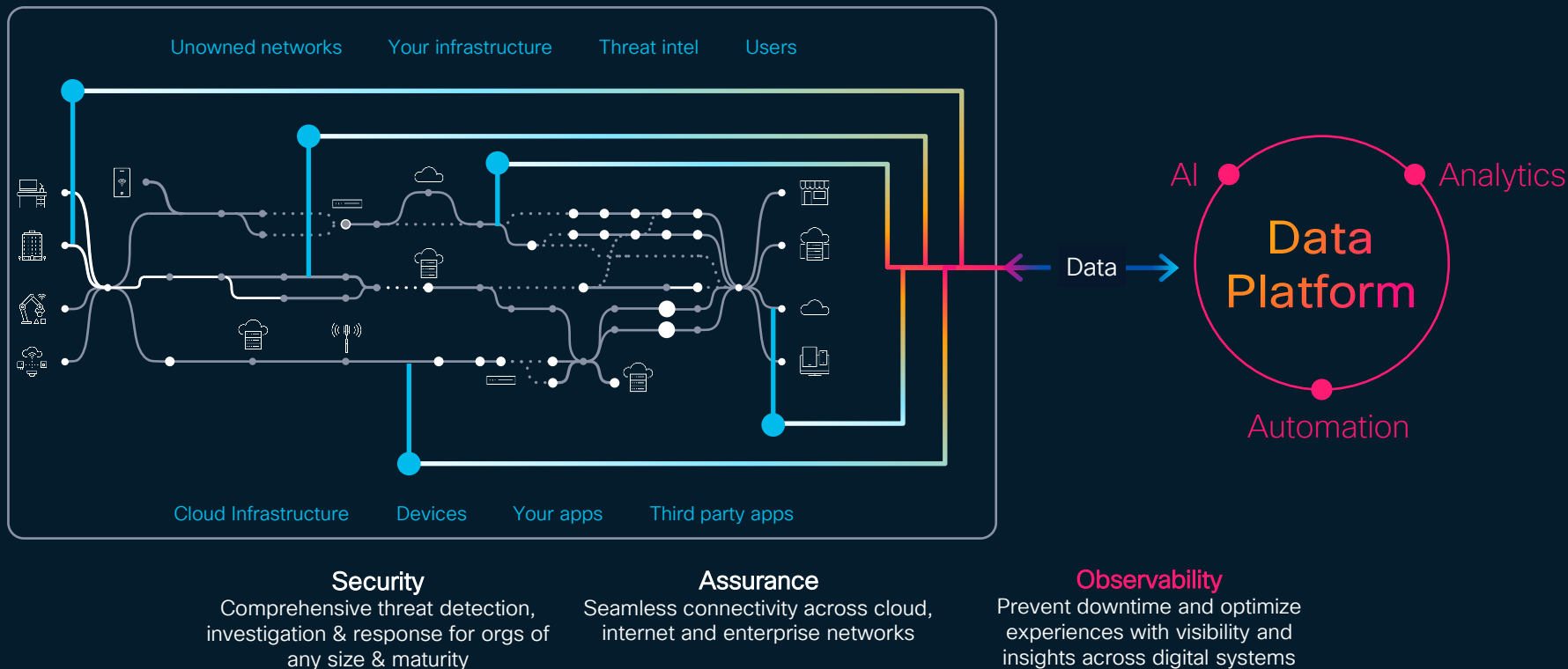Observability within the Cisco Showcase

Splunk Booth

Agenda

- Splunk Observability with AppDynamics

- Intro to AppDynamics

- New Innovations across AppDynamics
  - Optimize Hybrid App Performance
  - Optimize End-User Experiences
  - Detect and Prioritize App Security Vulnerabilities

Observability requires that actionable data from multiple sources is appropriately connected, optimized and enhanced for context.
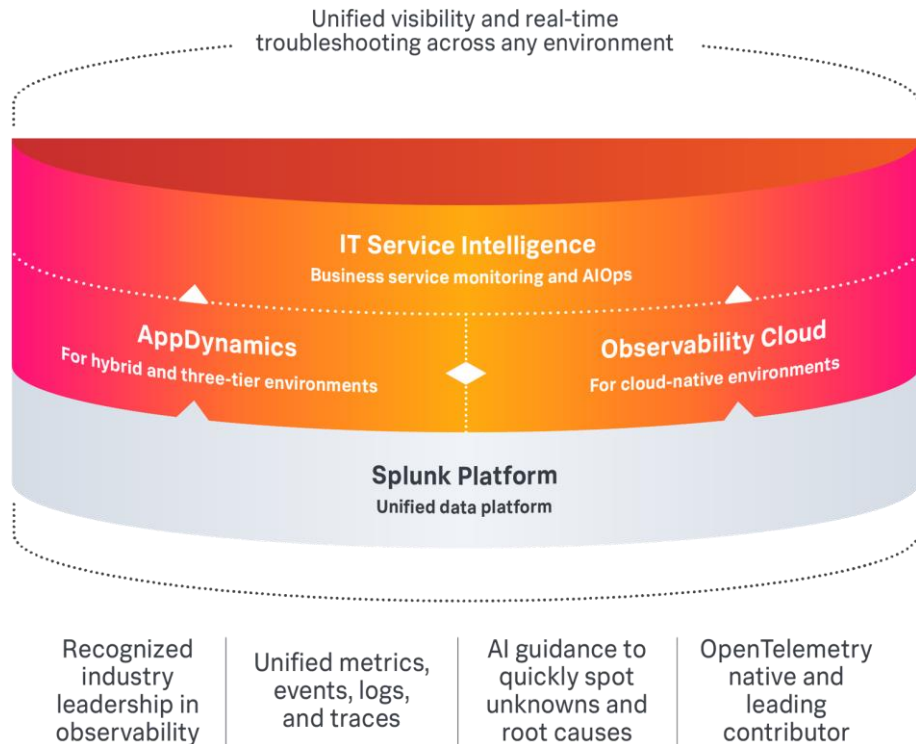
– Gartner

Splunk and Cisco unify data across your environment to drive digital resilience

Security
Comprehensive threat detection, investigation & response for orgs of any size & maturity

Assurance
Seamless connectivity across cloud, internet and enterprise networks

Observability
Prevent downtime and optimize experiences with visibility and insights across digital systems

Our Vision for
Splunk Observability

- **Complete visibility across your digital footprint**
- **Earlier detection & faster investigation** of business-impacting issues
- **Better control** of your data and costs

Unified visibility and real-time troubleshooting across any environment

IT Service Intelligence
Business service monitoring and AIOps

AppDynamics
For hybrid and three-tier environments

Observability Cloud
For cloud-native environments

Splunk Platform
Unified data platform

Recognized industry leadership in observability

Unified metrics, events, logs, and traces

AI guidance to quickly spot unknowns and root causes

OpenTelemetry native and leading contributor

Bringing Teams Together

Eliminate tool silos by using a single platform to unify teams, ensuring everyone works from the same data and streamlining cross-application issue resolution.

Build a leading observability practice

Network Team

Application Team

Business Leaders
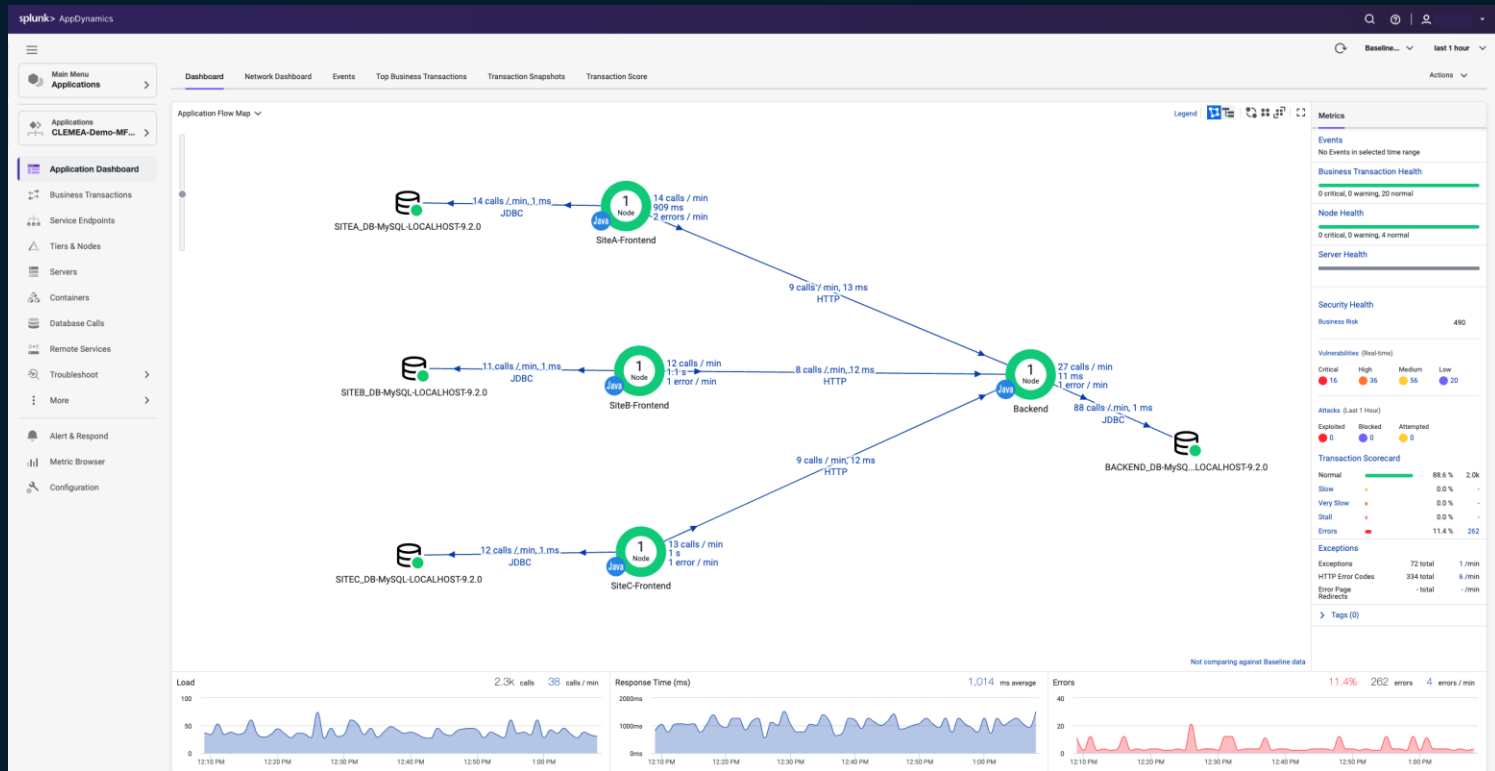
Security Team

What is Splunk
AppDynamics?

CISCO Live!
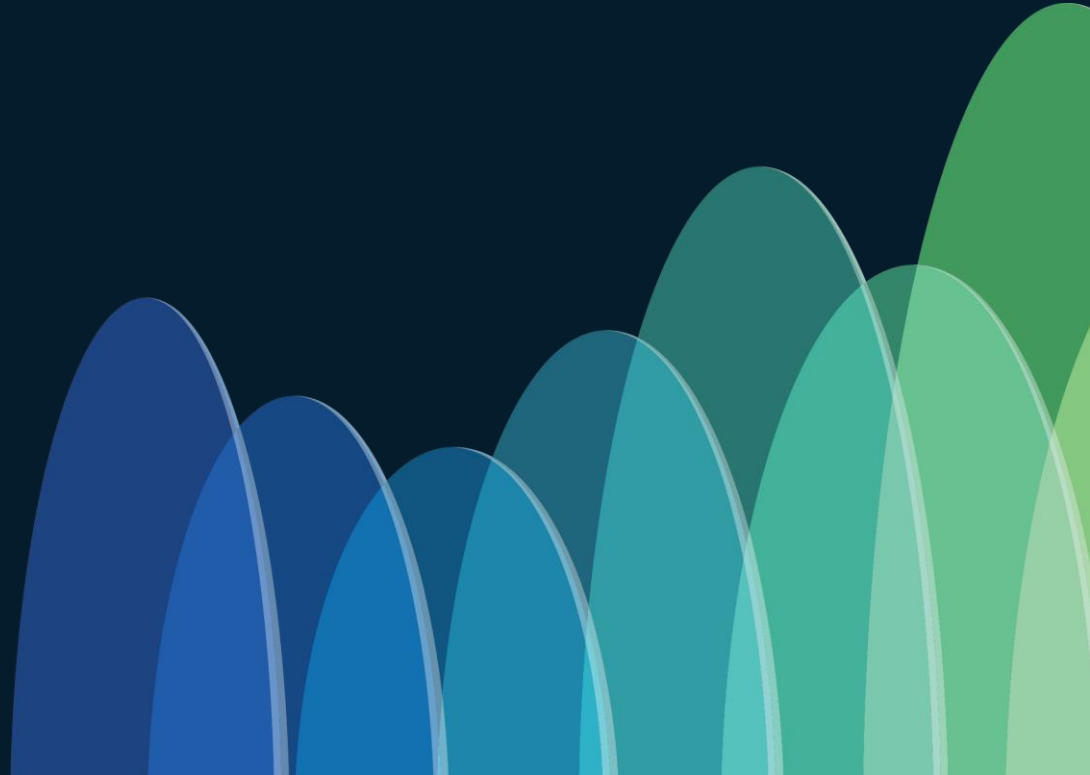
Splunk AppDynamics

Unified observability that delivers
end-to-end visibility of
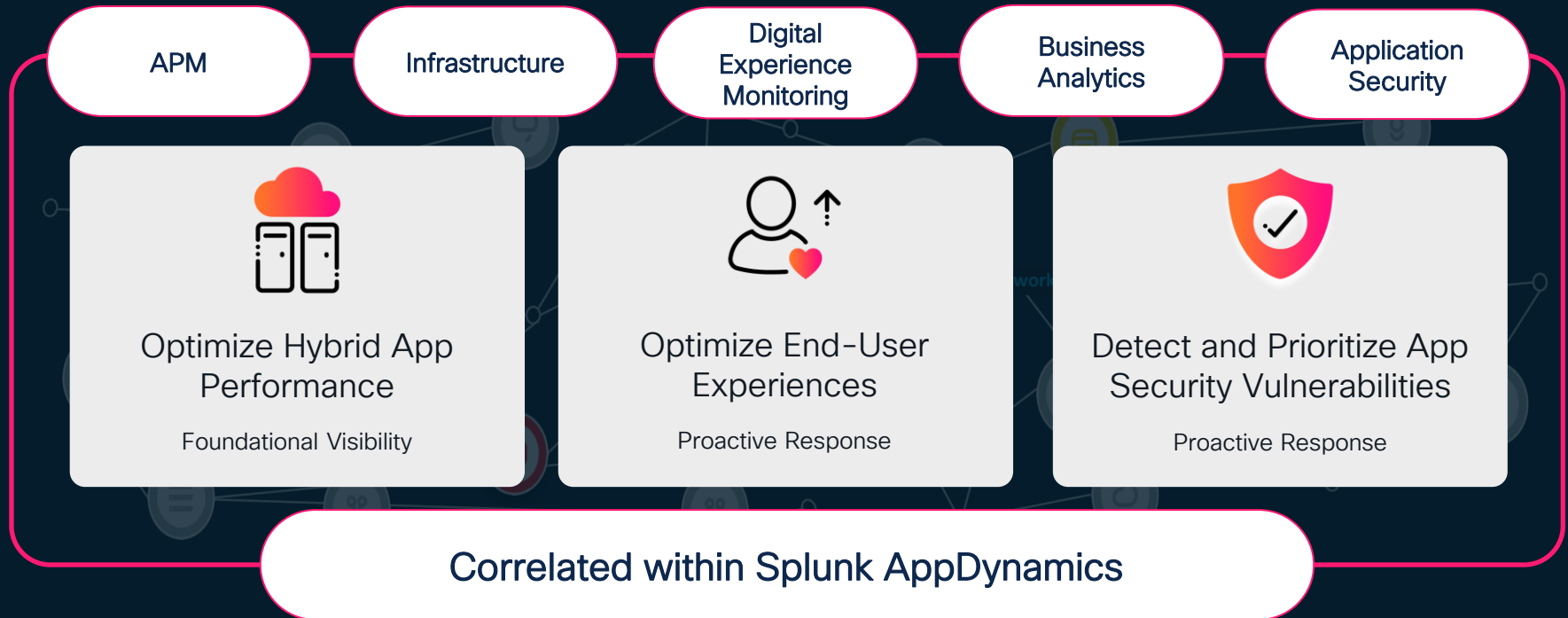three-tier and monolithic applications,
enabling rapid issue resolution and
business-focused insights.

APPLICATION VISIBILITY

See the **business impact** of every problem

UI refresh

New!

AppDynamics powers full-stack observability

APM

Infrastructure

Digital Experience Monitoring

Business Analytics

Application Security

Optimize Hybrid App Performance

Foundational Visibility

Optimize End-User Experiences

Proactive Response

Detect and Prioritize App Security Vulnerabilities

Proactive Response

Correlated within Splunk AppDynamics

What's new in AppDynamics

CISCO Live!
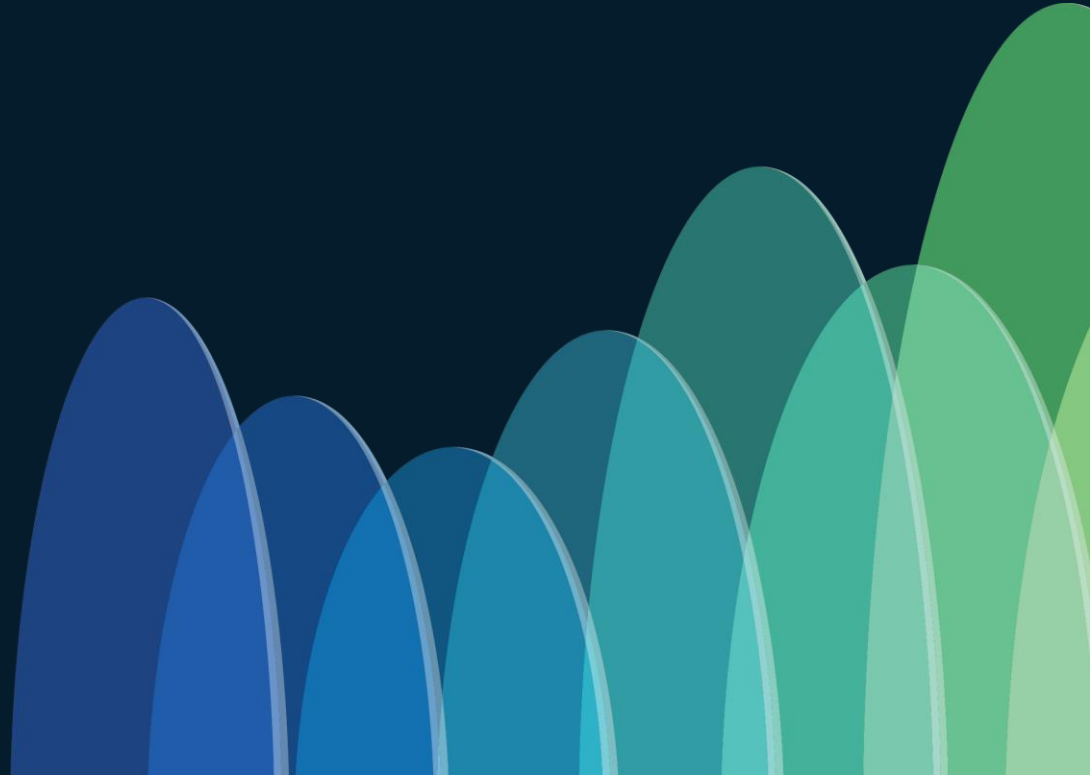
New innovation: Optimize Hybrid App Performance

APM · Infrastructure · Digital Experience Monitoring · Business Analytics · Application Security

Optimize Hybrid App Performance

Foundational Visibility

Optimize End-User Experiences

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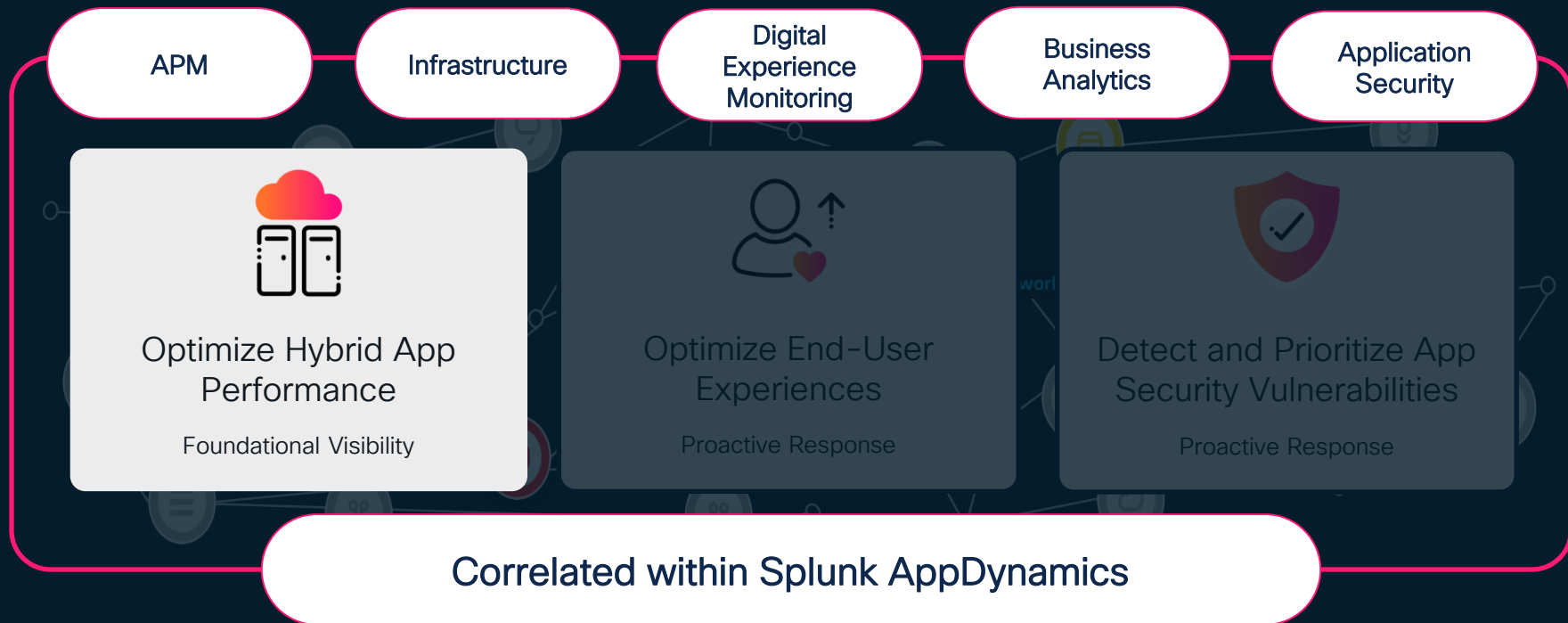
Optimize hybrid app performance

Automatically discover and map application dependencies.

Visualize and analyze application performance.

Trace and diagnose key business transactions.

Seamless navigation between monitoring modes, maintaining context, and correlating data.
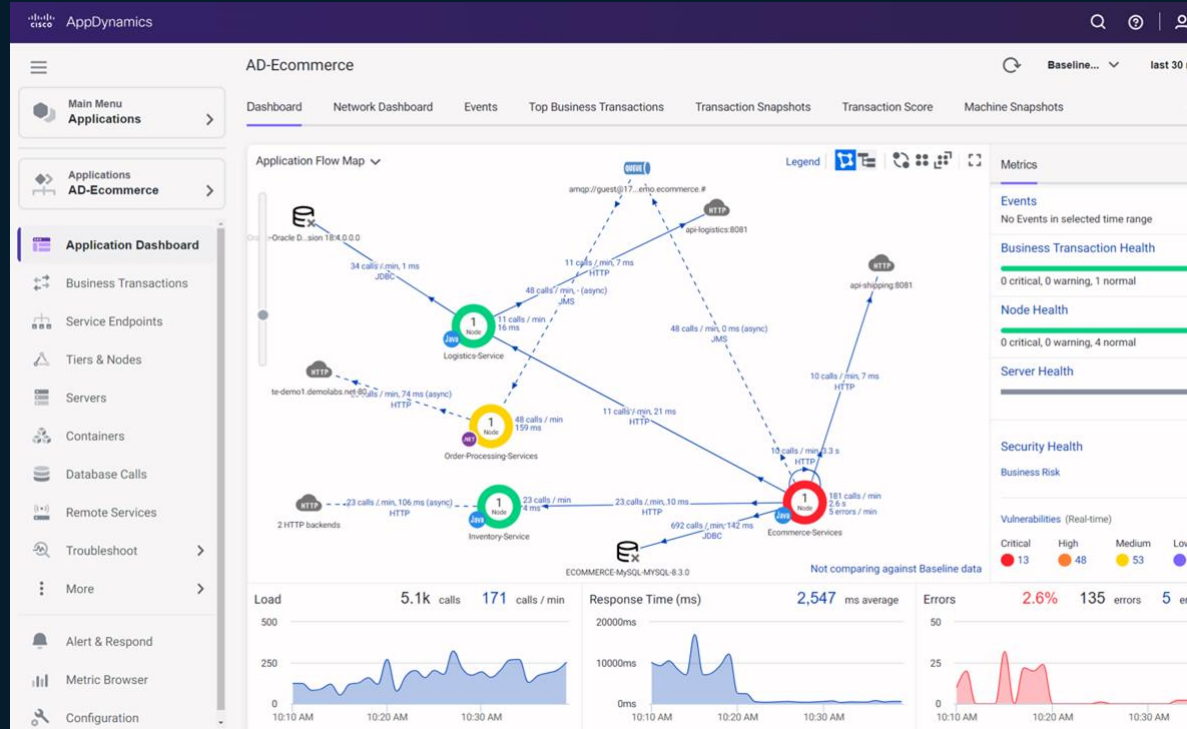
Smart Agent

Your intelligent agent management assistant

- Orchestrate agent install, config and upgrades to **make routine maintenance simpler and faster**

- **Automate agent lifecycle** to maintain compliance

- **Simplify onboarding** with a single Smart Agent installation
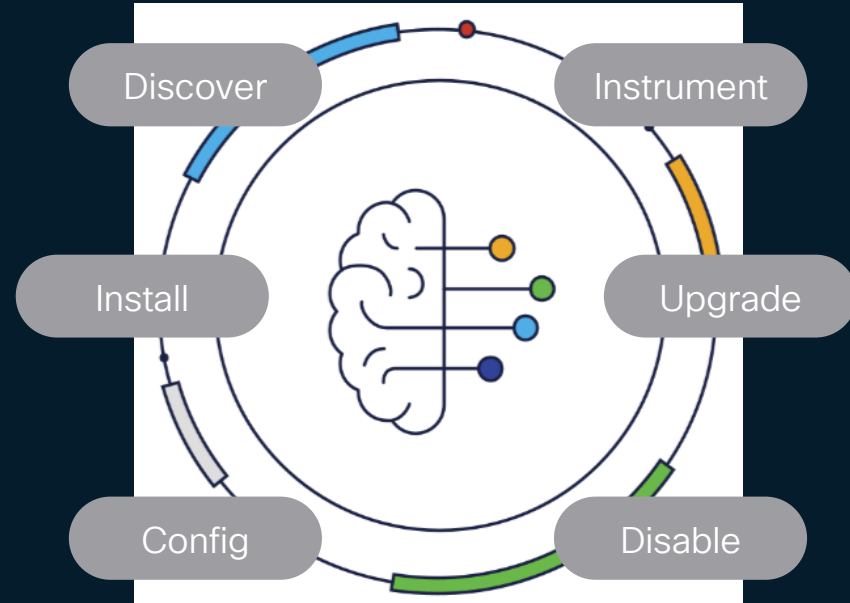
Smart Agent Auto Discovery

New!

Take the guesswork out of deploying and managing your agent fleet

Smart Agent : will intelligently instrument everything you care about in one step

Auto Discovery: will scan your host and discover all the processes running, determine which specific agents are appropriate, and then install only the agents you need.

Profiles : allow you to specify what sorts of applications and infrastructure you want to instrument

Discover

Instrument
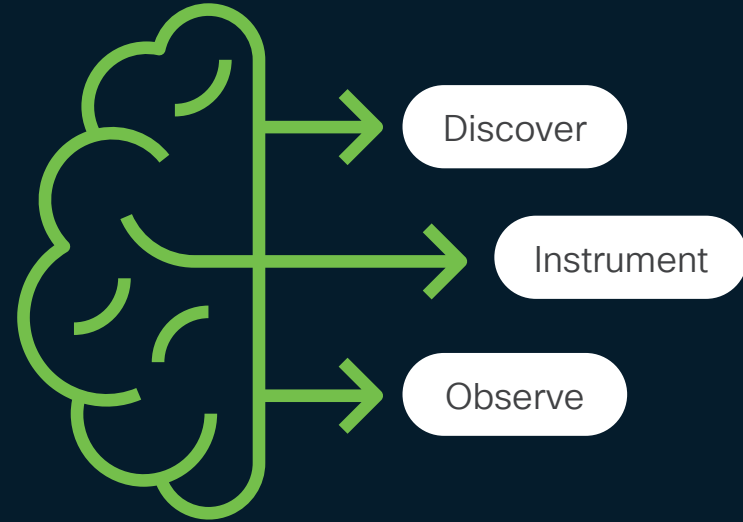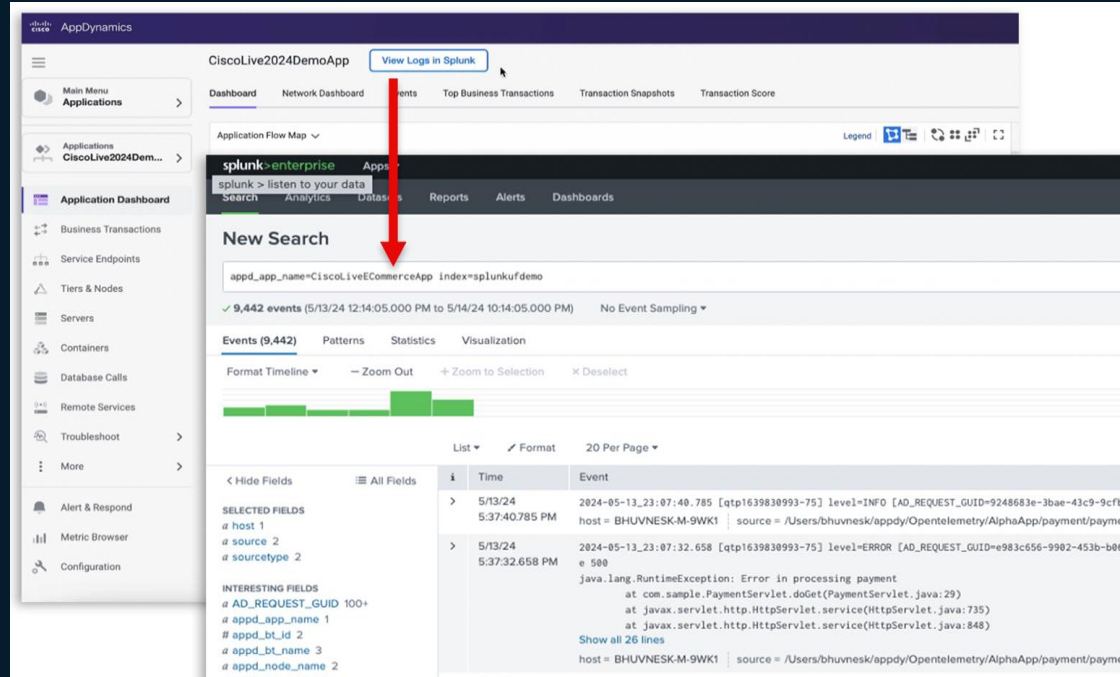
Observe

Install Smart Agent everywhere and start collecting data in minutes!

Log Observer Connect

Log Observer Connect combines AppDynamics APM with Splunk log analytics, enabling fast log correlation with application metrics for streamlined troubleshooting.

By enriching logs with AppDynamics metadata, it centralizes observability, reduces tool sprawl, and avoids data duplication for greater efficiency.

Now available on Splunk Cloud Platform and Splunk Enterprise

# AppDynamics + IT Service Intelligence integration

New!

Reduce alert noise & get end-to-end visibility of on-prem, hybrid, and cloud applications correlated with business KPIs

NEAR TERM:

- Integrate events from AppDynamics into ITSI's event intelligence to reduce alert noise
- Bring application performance & business metrics from AppDynamics into ITSI service monitoring to enable and accelerate troubleshooting across hybrid and cloud applications

LONGER TERM:

- Centralize visibility and event intelligence across Cisco solutions (ThousandEyes, Catalyst, Meraki, etc.)
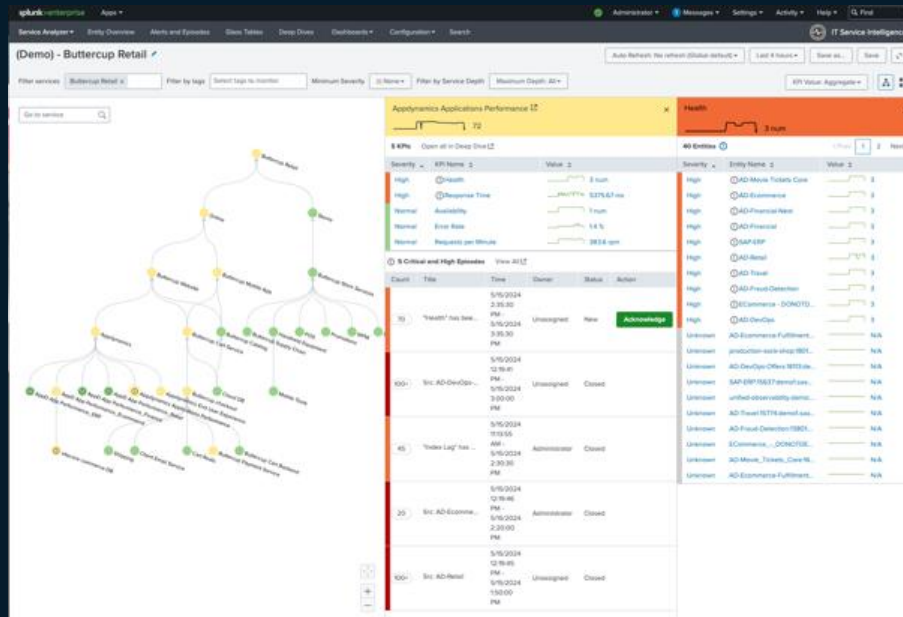
AppDynamics self-managed

New!

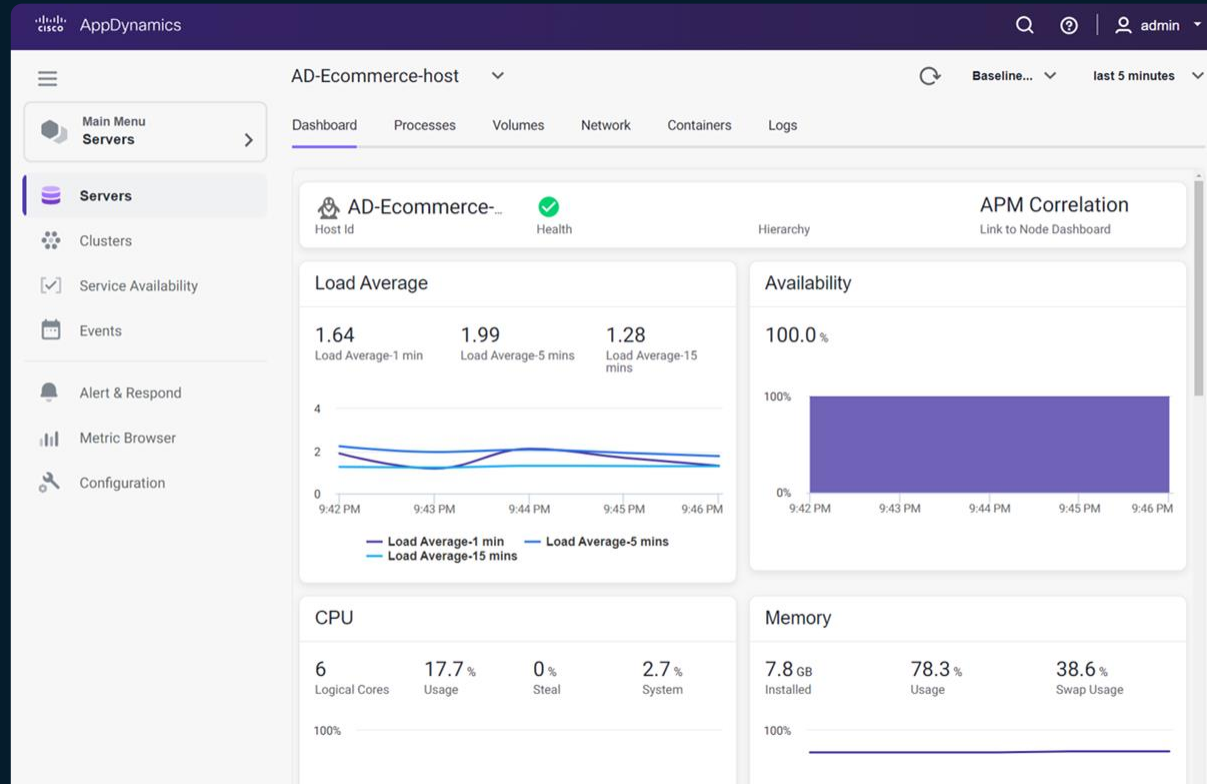Deploy AppDynamics Virtual Appliance in private and public clouds

Infrastructure Visibility

Comprehensive monitoring of application deployment servers and their metrics and logs.

Maintain tight integration with the monitored application for a unified view.

**Including Kubernetes cluster monitoring

Anomaly Detection for infrastructure

Detect issues faster with embedded AI/ML

Available on AppDynamics SaaS and Self-hosted

- **No config required:** Automatically enable AD on servers associated with the selected application

- **Automatically detects and alerts:** on memory and CPU issues in the infrastructure

- **Tunable AI:** Select appropriate model sensitivity to meet your business needs

Configure Anomaly Detection – eCommerce App

☑ Monitor Business Transactions   ☑ Monitor Server

Specify Business Transactions to Monitor ⓘ

[All Business Transactions in the Application   ▼]

Specify Servers to Monitor ⓘ

[All Servers   ▼]

Select Severity Level(s) ⓘ

[All Severities   ▼]

Detection Sensitivity

The more sensitive the detection is, the more anomalies will be detected, and less accurate they will be.

| Sensitivity: High | Sensitivity: Medium (Default) | Sensitivity: Low |

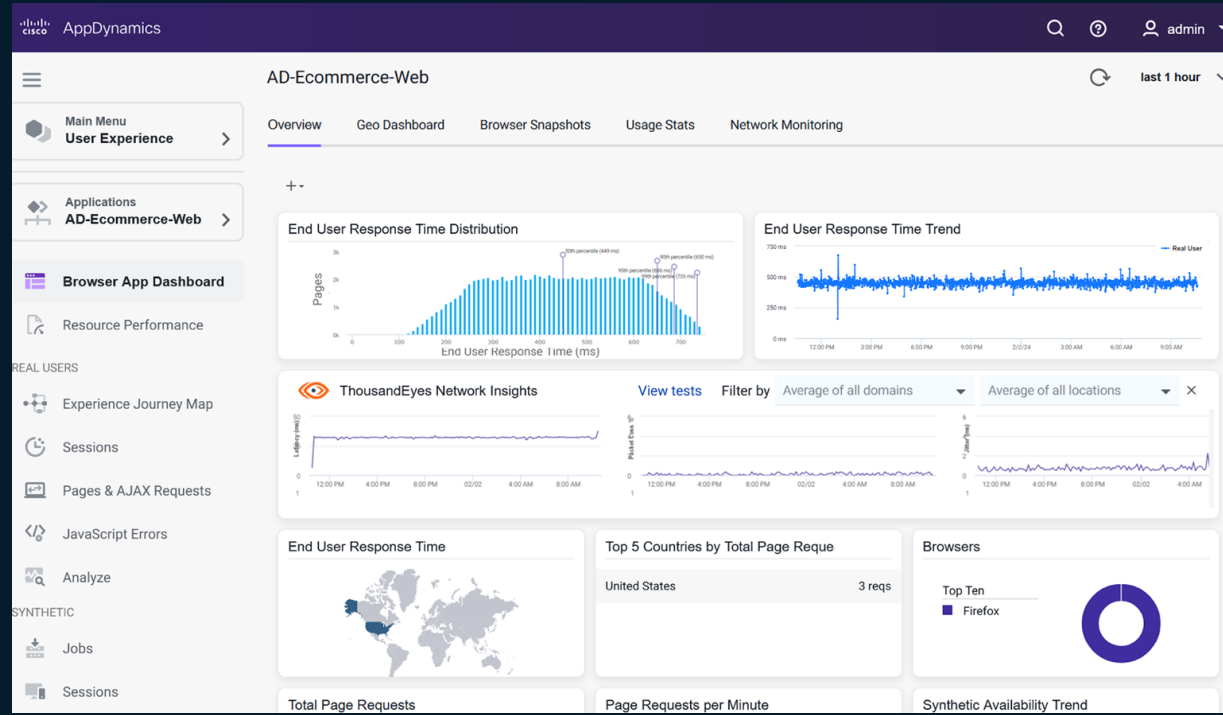# New innovation: Optimize End-User Experiences

| APM | Infrastructure | Digital Experience Monitoring | Business Analytics | Application Security |

Optimize Hybrid App Performance

Foundational Visibility

Optimize End-User Experiences

Proactive Response

Detect and Prioritize App Security Vulnerabilities

Proactive Response

Correlated within Splunk AppDynamics
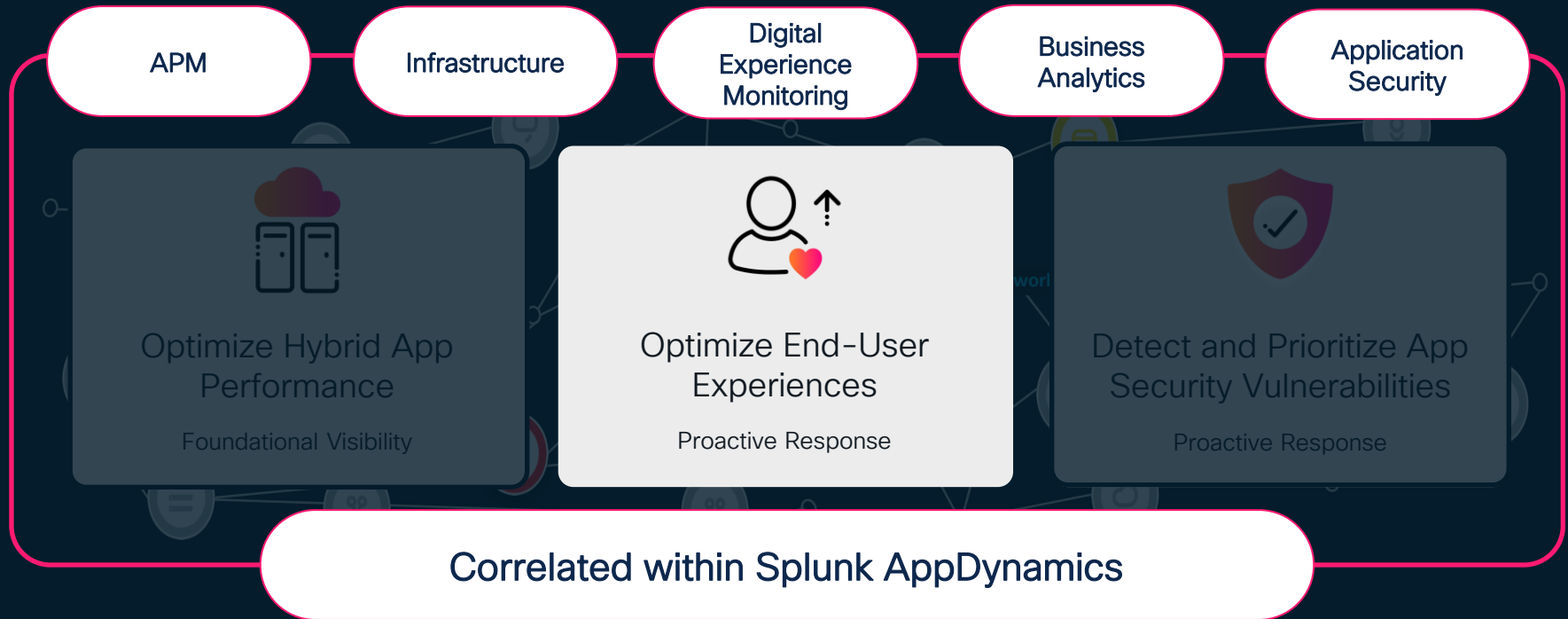
Optimize End-User Experiences

Measure and track real user experiences across devices.

Proactively identify and resolve user experience issues.

Analyze user journey and behavior patterns in real time.

Correlate user experience with application performance and business outcomes.

The Browser App Dashboard tracks real-time user experiences

MRUM: Session Replay

New!

Play back and observe the end user experience on the mobile application

Optimize the user experience by analyzing the end user user interaction on the mobile application

Troubleshoot the issue faster by identifying the user actions and events before the crashes, ANR and other errors

Session replay is supported in both Android and IOS native agents

New innovation: Detect and Prioritize App Security Vulnerabilities

| APM | Infrastructure | Digital Experience Monitoring | Business Analytics | Application Security |

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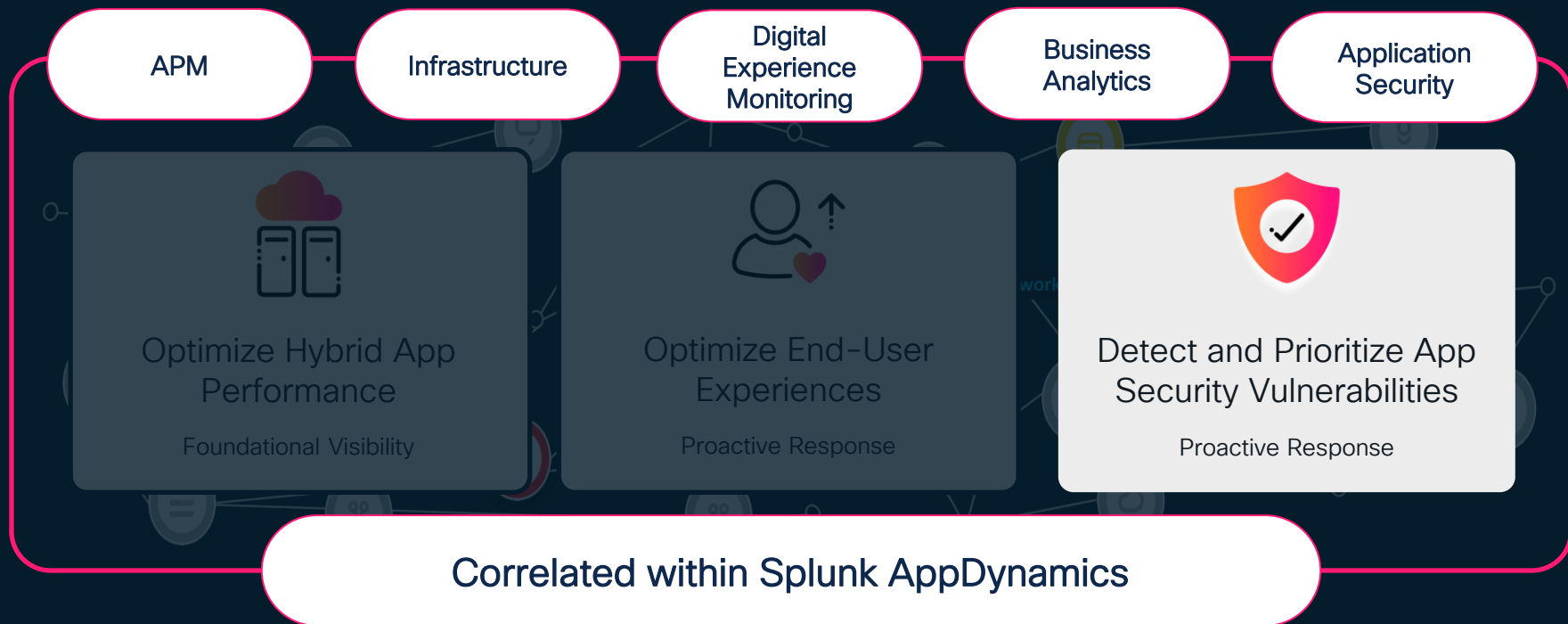
Detect and Prioritize App Security Vulnerabilities

- Identify and assess security risks in real-time.

- Prioritize vulnerabilities based on business impact.

- Correlate security threats with application performance.

- Automate remediation recommendations to reduce risk.
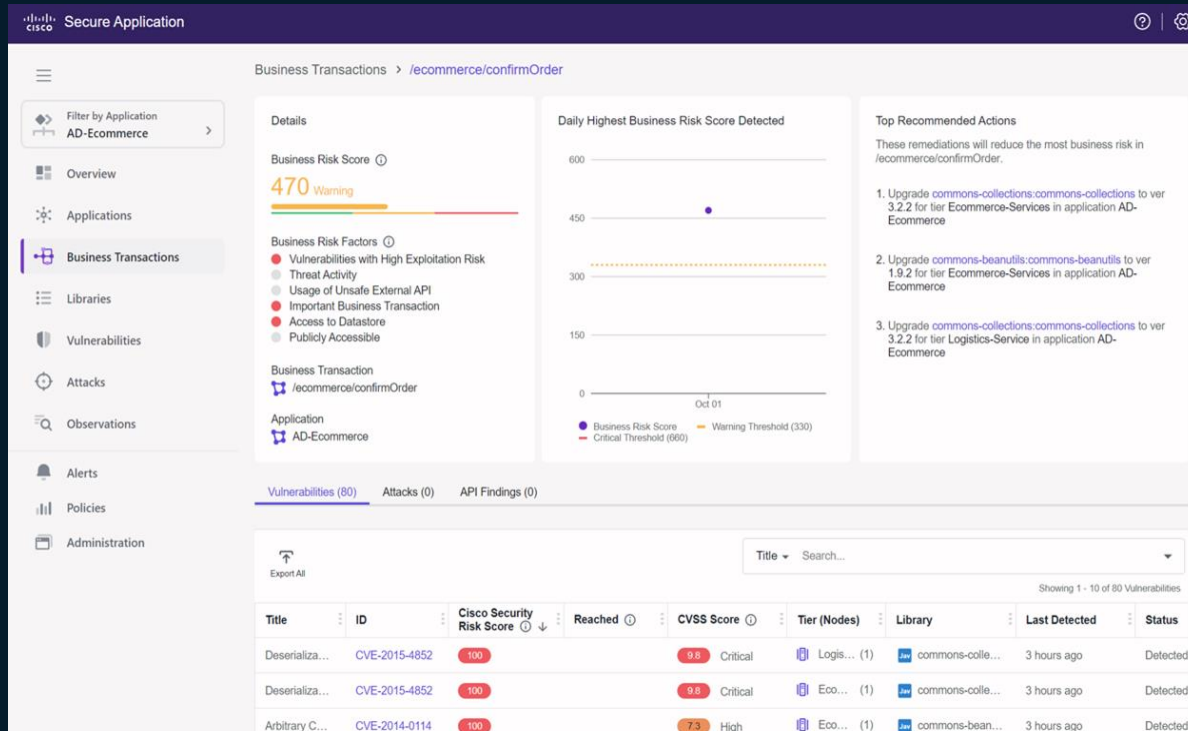
Correlate vulnerabilities with business transactions to prioritize risks impacting critical functions.

Business risk scoring for AppDynamics Virtual Appliance

New!

Prioritize security response by business impact with an automated risk score that combines application context and real-time security intelligence.

Quickly identify where attacks may occur in critical workflows, understand potential revenue impact, and focus on protecting high-risk areas to minimize threats proactively.
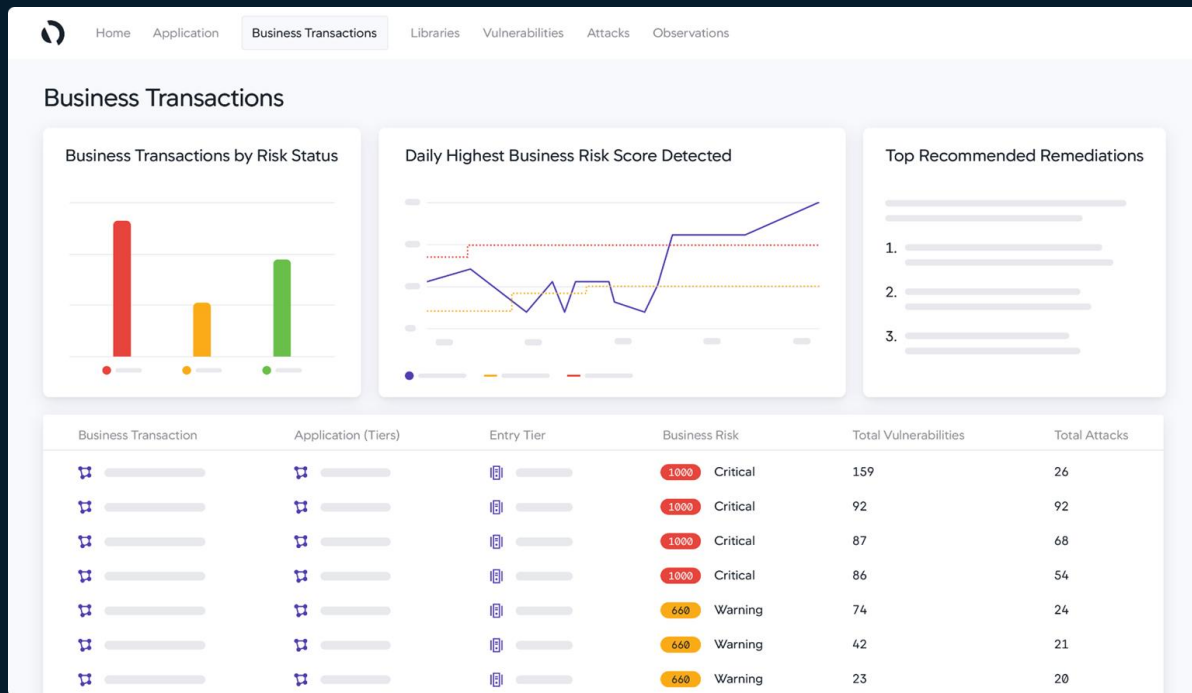
Secure Application Integrated with Splunk Enterprise Security

New!

- **Enhanced application attack troubleshooting** in Splunk Enterprise Security based on attack telemetry from Secure Application mapped to Security Analyst workflow

- **Simplified integration** using HEC and Secure Application HTTP endpoint.

- **Better-Together** solution focused on bringing application and security teams together.
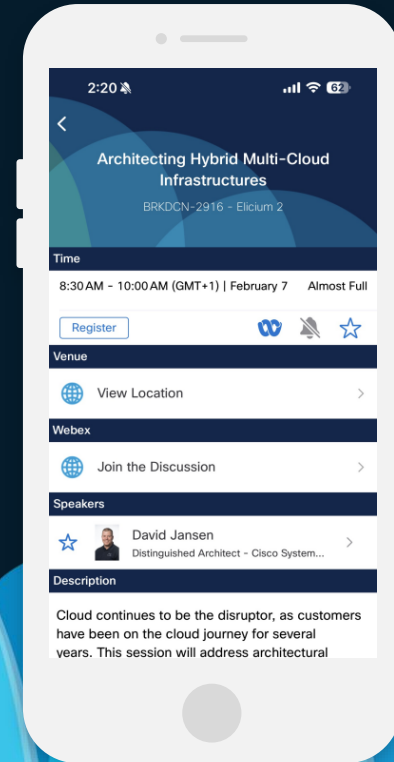
Webex App

Questions?
Use the Webex app to chat with the speaker after the session

How

1. Find this session in the Cisco Events 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 February 28, 2025.

Fill Out Your Session Surveys

Participants who fill out a minimum of 4 session surveys and the overall event survey will get a unique Cisco Live t-shirt.

(from 11:30 on Thursday, while supplies last)

All surveys can be taken in the Cisco Events mobile app or by logging in to the Session Catalog and clicking the 'Participant Dashboard'

Content Catalog

Continue your education

- Visit the Cisco Showcase for related demos

- Book your one-on-one Meet the Engineer meeting

- Attend the interactive education with DevNet, Capture the Flag, and Walk-in Labs

- Visit the On-Demand Library for more sessions at ciscolive.com/on-demand. Sessions from this event will be available from March 3.

Thank you

CISCO *Live!*

GO BEYOND