

Network to Service Health: A unified view

CISCO Live !

Integrating ThousandEyes and Splunk Observability

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Cisco Webex App

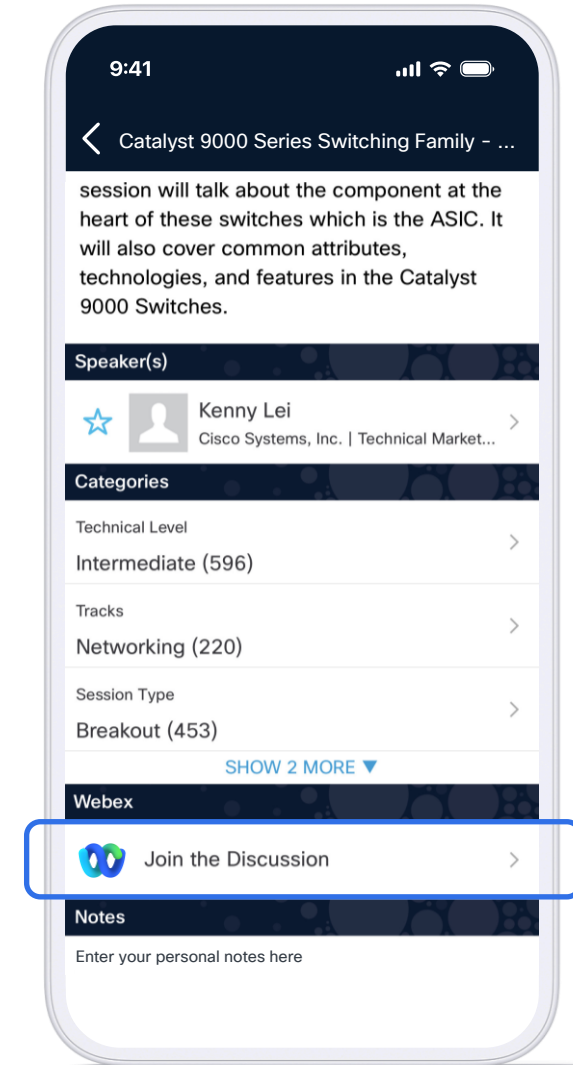
Questions?

Use Cisco Webex App to chat with the speaker after the session

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 14 November 2025.

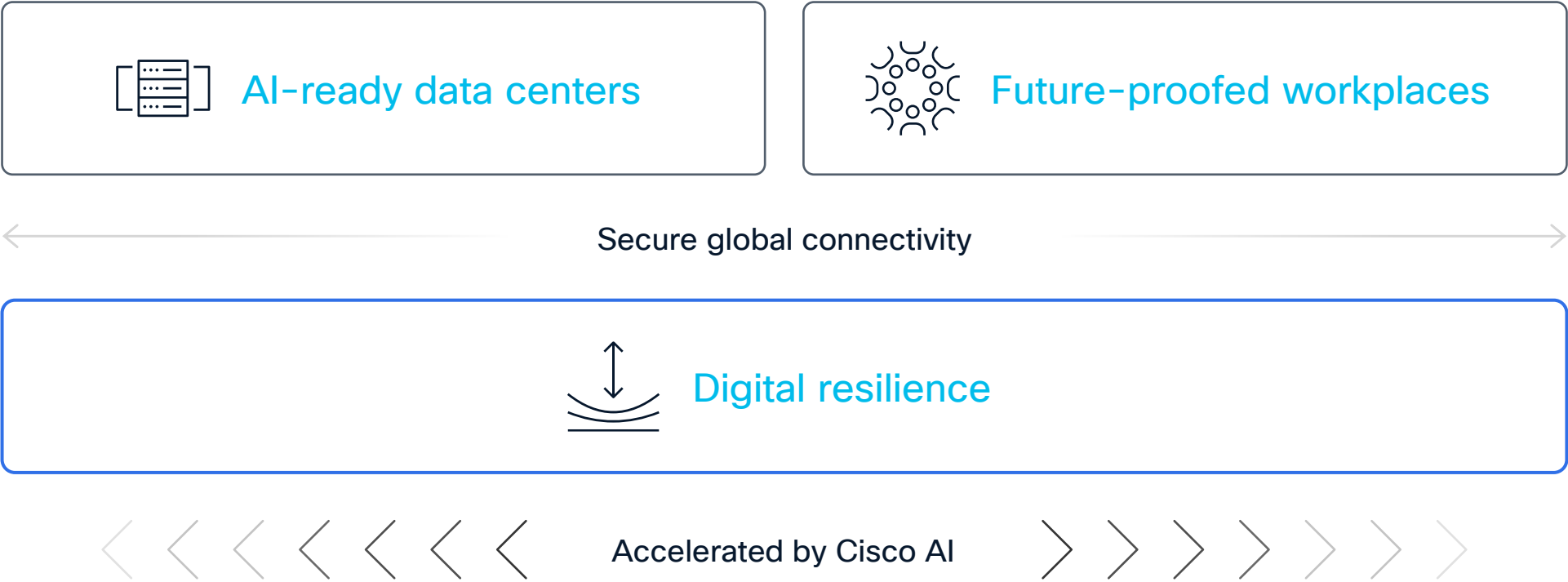


<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKOBS-2545>

Agenda

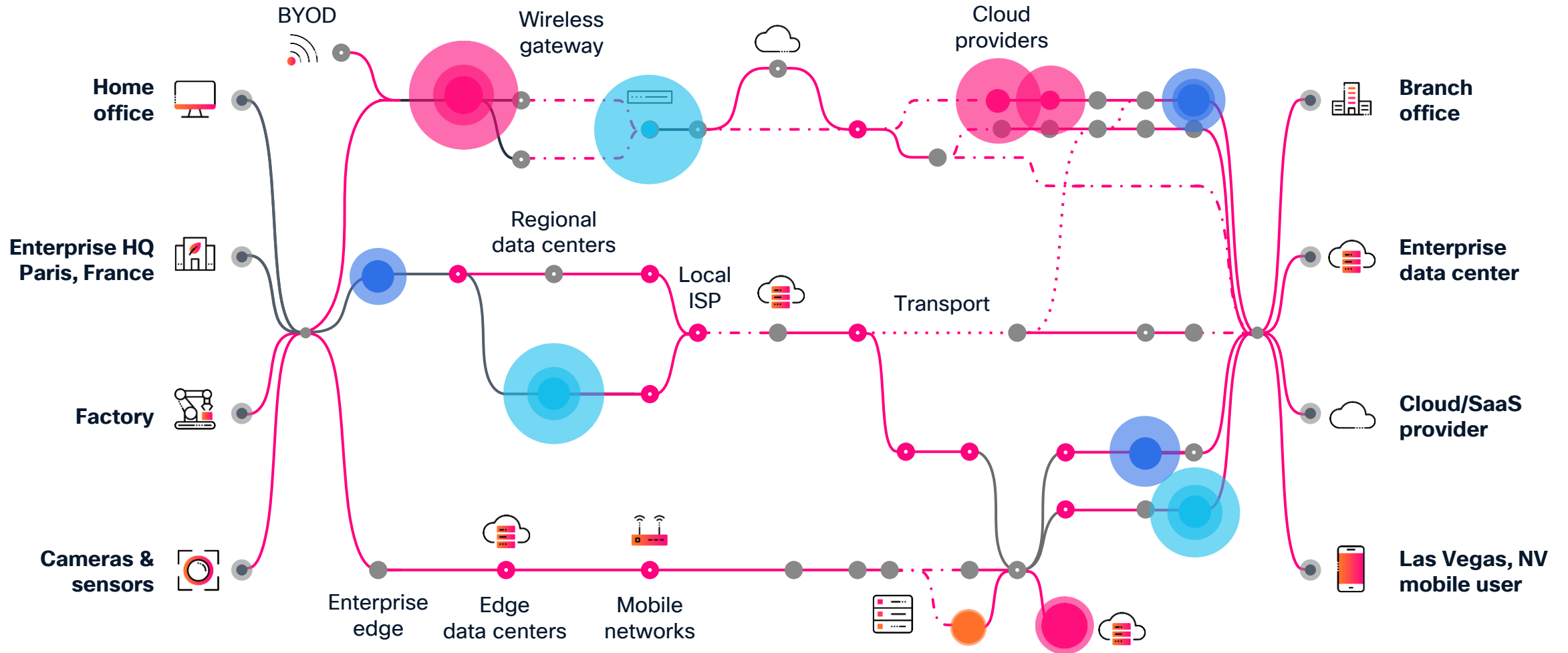
- 01 One Cisco
- 02 Correlated Network Observability
- 03 Let's see it in action!

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



Digital Resilience with Data

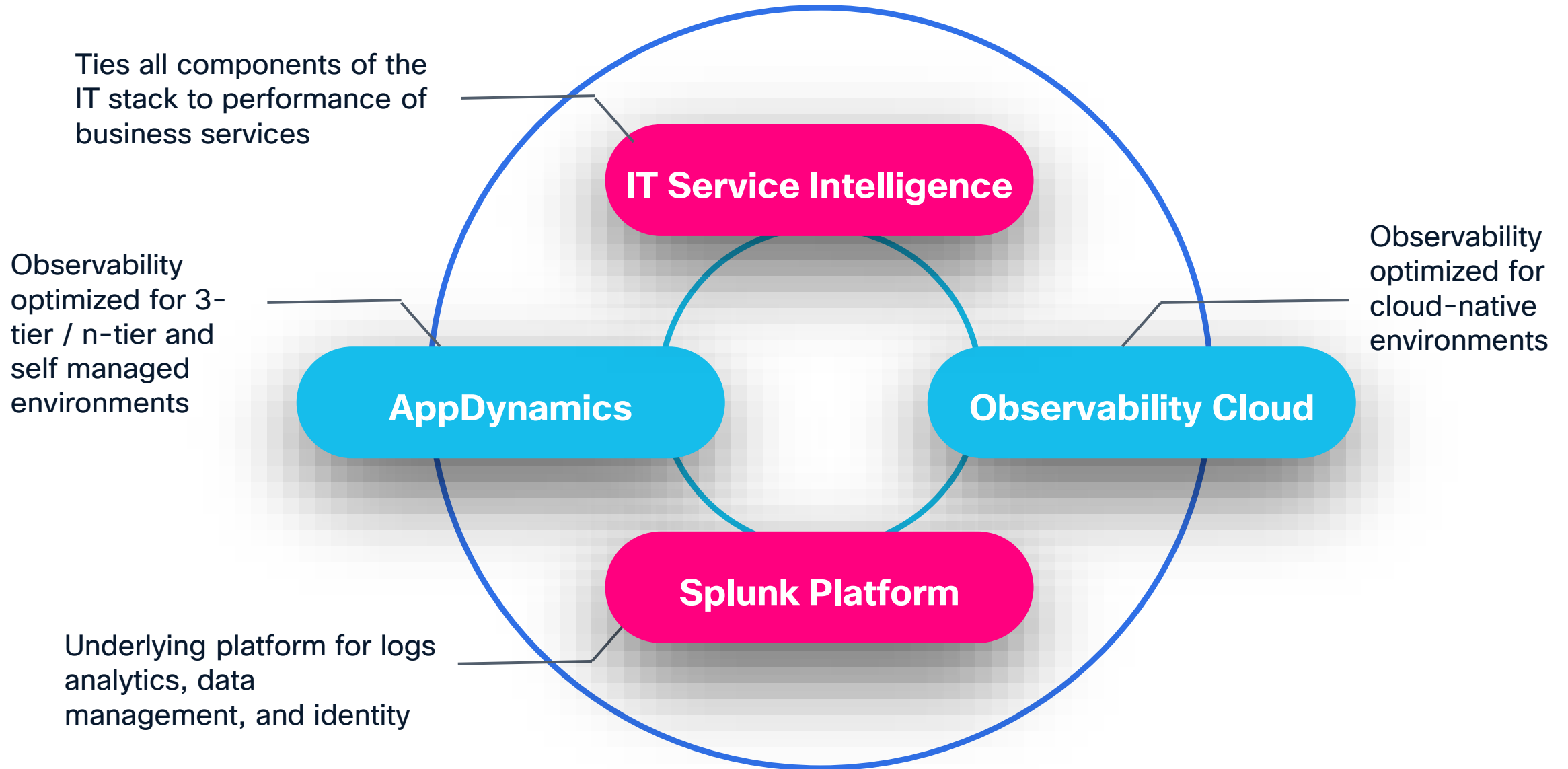
Digital footprints are **complex**



How Cisco and Splunk advance digital resilience



Components of Splunk Observability



Cisco's Observability Advantage

Assurance

End-to-end network visibility into owned and unowned networks and cloud services



CONTEXT

Observability

Unified visibility across applications and application infrastructure



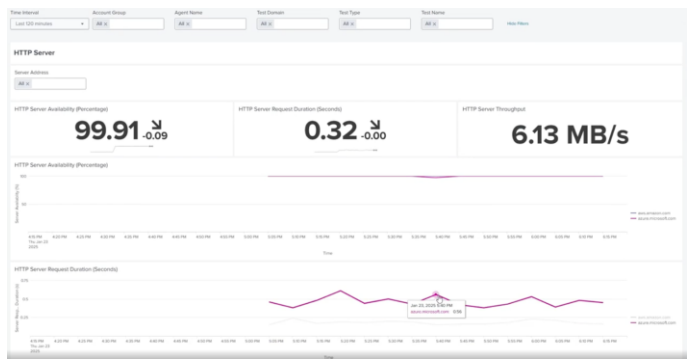
BUILT-IN DATA AND PRODUCT INTEGRATION ACROSS CISCO NETWORKING, SECURITY, AND COLLABORATION



APPLICATION | NETWORK | INFRASTRUCTURE | CLOUD

Assurance and Observability deliver end to end visibility!

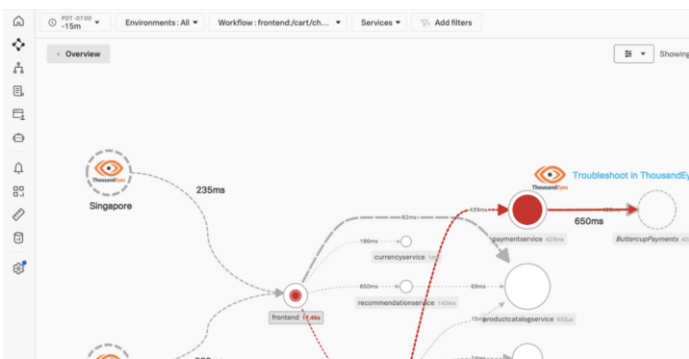
Splunk Enterprise & Splunk Cloud



UNIFIED VISIBILITY & WORKFLOW

correlate ThousandEyes metrics and events to extend visibility into user experience and the performance of all owned and unowned networks

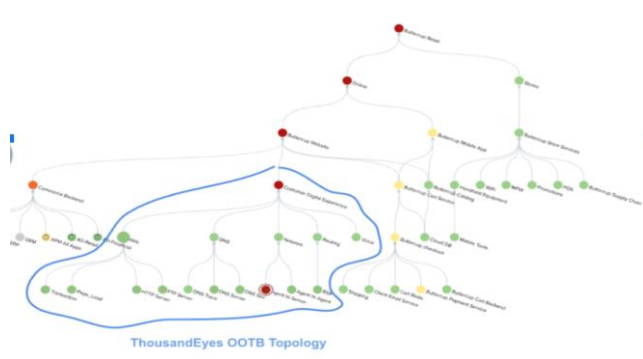
Splunk Observability Cloud



UNIQUE END-TO-END VISIBILITY

from the end-user to the application and into all owned and owned networks in between powered by the ThousandEyes integration with Splunk APM

Splunk IT Service Intelligence



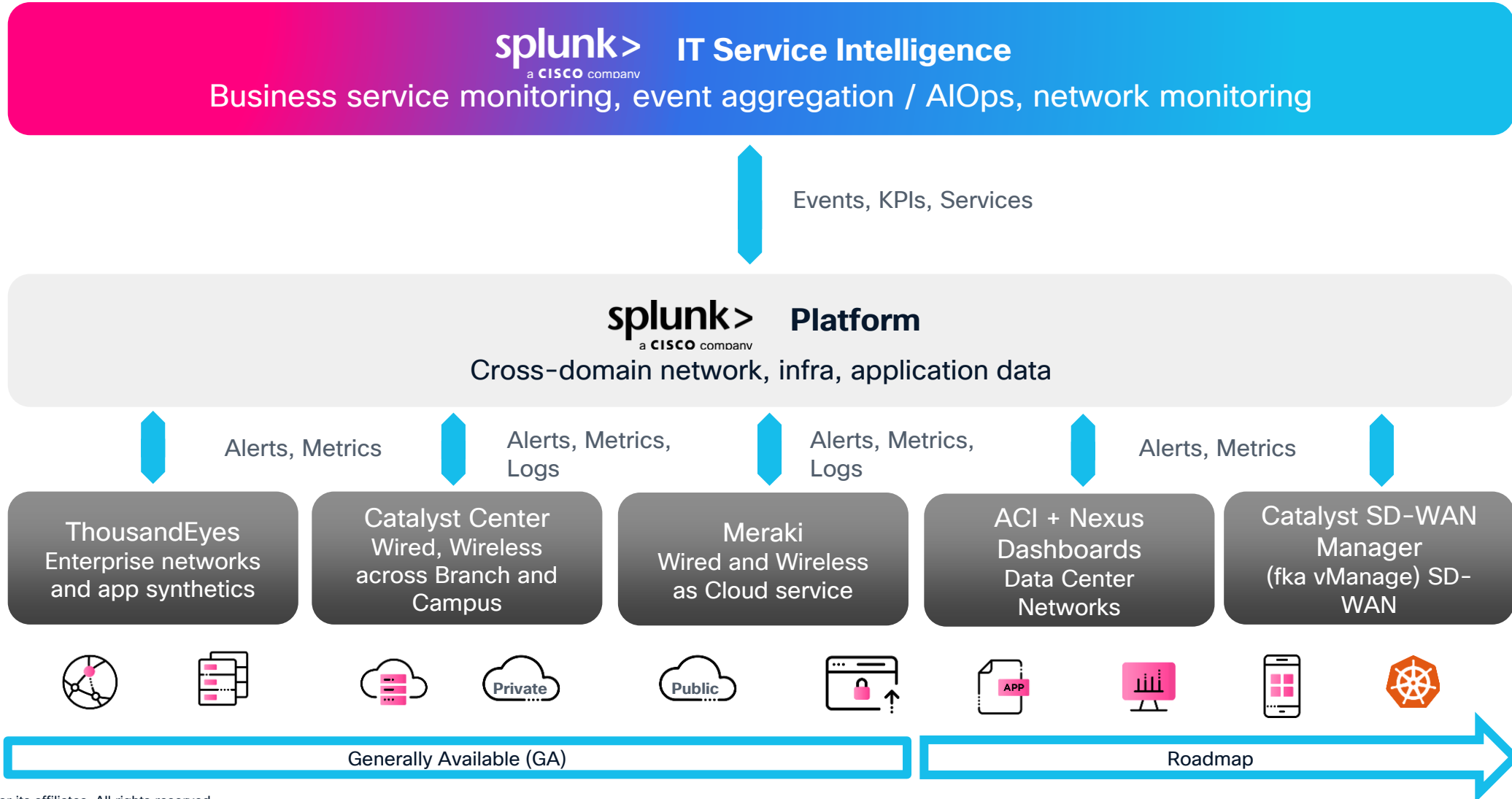
UNMATCHED SERVICE INTELLIGENCE

comprehensive and differentiated insight into service health powered by ThousandEyes digital experience and network intelligence natively integrated into ITSI

Correlated Network Observability

Network Observability with ITSI

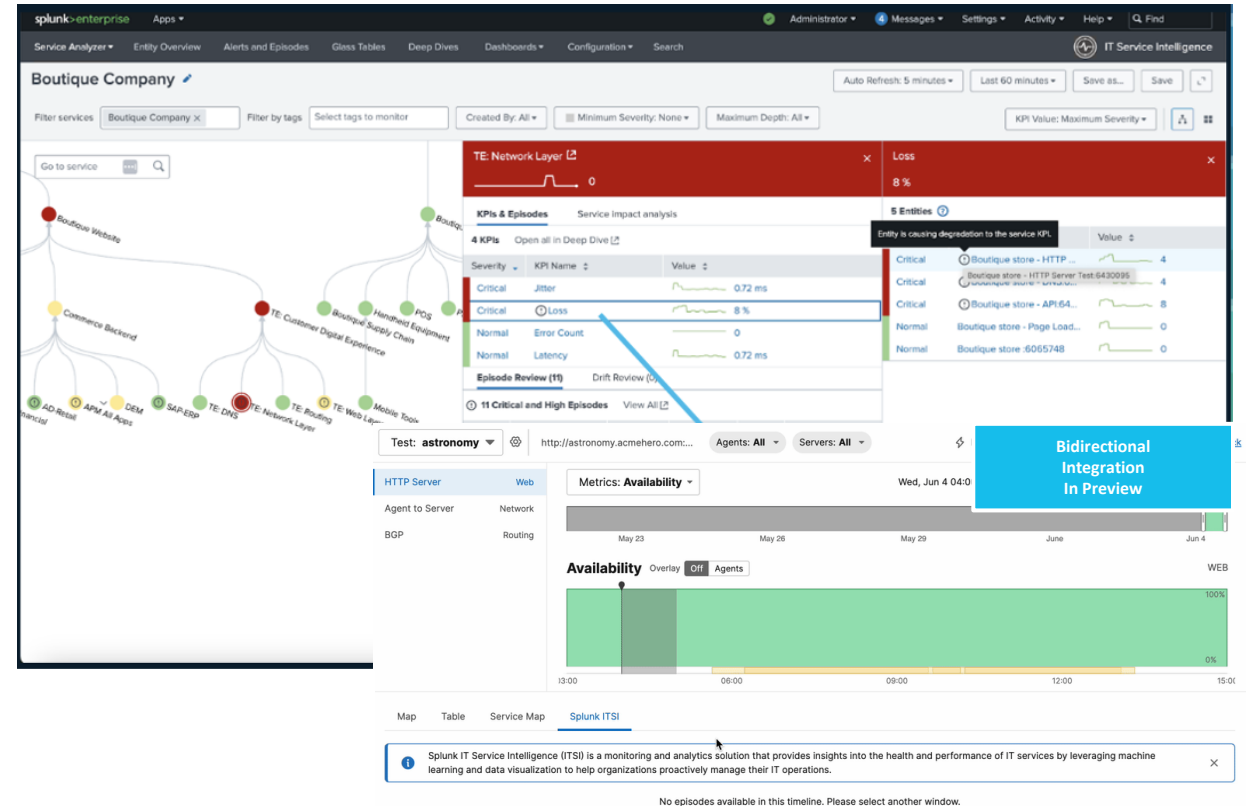
End to end visibility into network events and KPIs for Cisco domain controllers



Splunk ITSI & ThousandEyes Integration

Identify if an app is slow due to a network latency

- Pinpoint problematic tests and understand impact to application and service health
 - Monitor your DNS, Network Layer, Web Layer, Routing
- Alert correlation for issues identified in ThousandEyes or proactively monitored in ITSI
- Test insights in ITSI Entity overview dashboards
- In-context directed troubleshooting into ThousandEyes

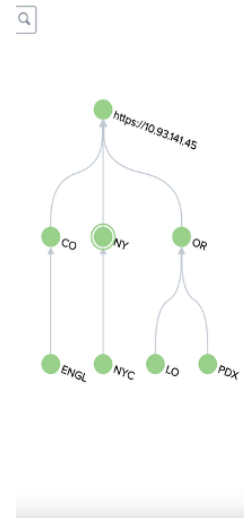
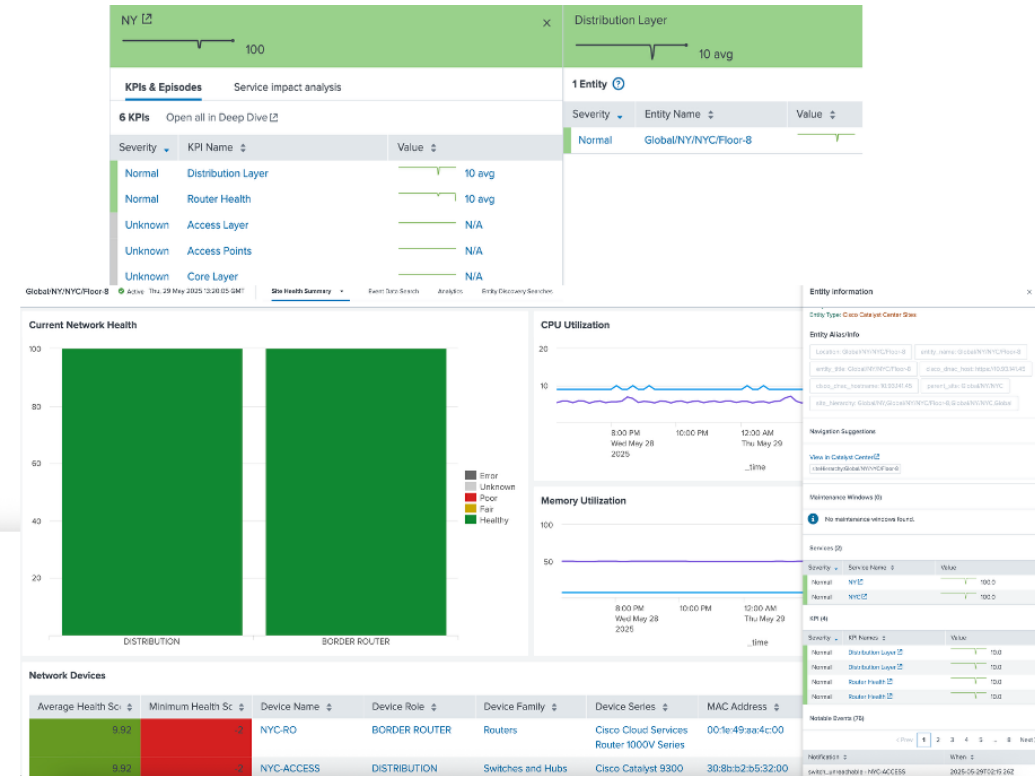


Enterprise Network Monitoring for branch & campus

Integration with Catalyst Center & Meraki

Quickly pinpoint site & device issues in the network with:

- Out-of-the-box topology to measure the health of a location (e.g. retail store) and isolate problematic devices
- Device alert import, normalization, deduplication, and correlation logic
- Insights for problem troubleshooting (e.g. recent configuration changes)
- In-context guidance into Catalyst Center & Meraki to take action on devices



Network through application visibility with Thousand Eyes and Splunk APM

End-to-end visibility across ThousandEyes tests and Splunk APM traces for faster MTTI & MTTR

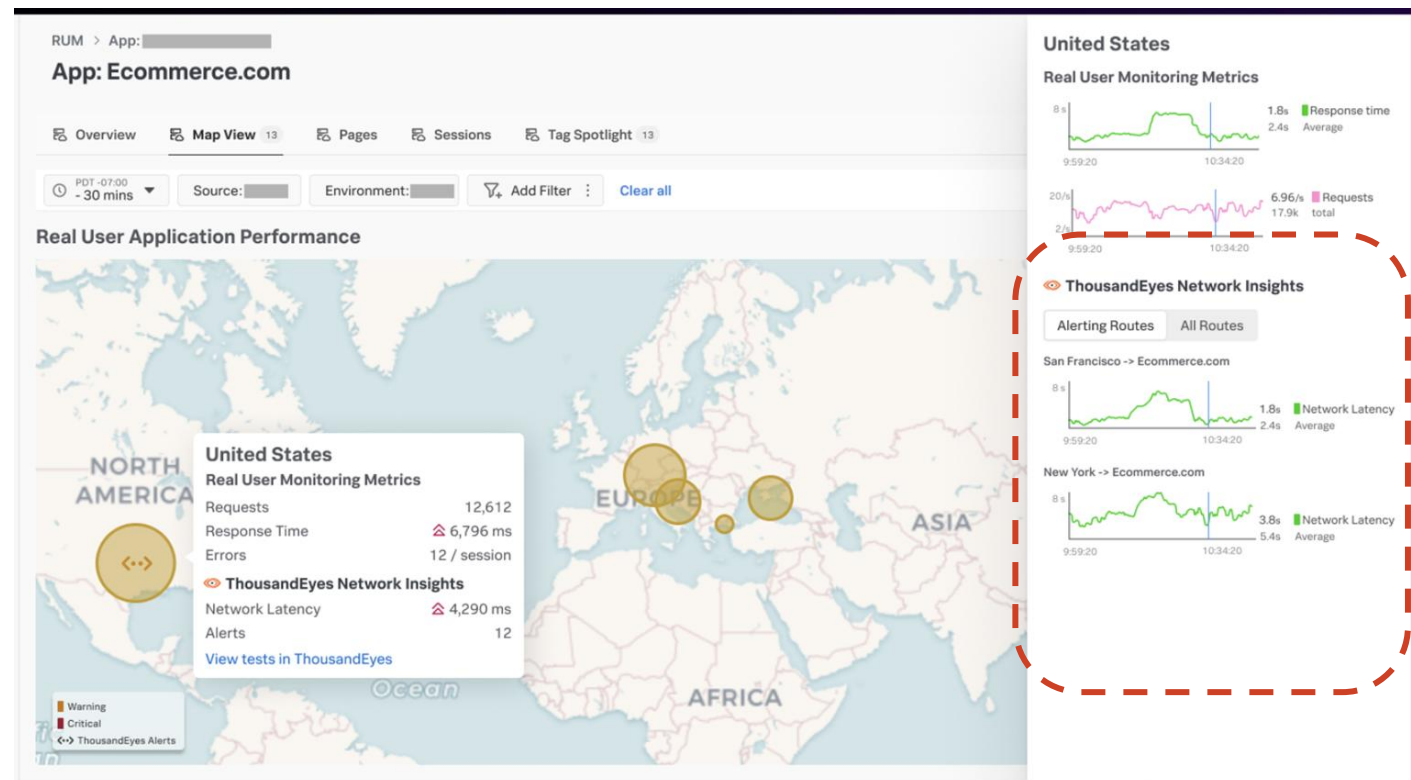
- Quickly diagnose failing ThousandEyes test
- Understand if slowness is from the network or application layer
- View trace topology and key intra-service metrics in context of the ThousandEyes test
- Easily set up tests for services instrumented in Splunk Observability Cloud from the ThousandEyes UI



Splunk RUM ThousandEyes Integration

Identify whether RUM latency issues originates from the application layer or the network

- Reduce MTTI by enabling SRE teams to quickly determine whether performance issues are driven by the application or network layer
- Correlate global user experience with network performance, highlighting regions affected by network bottlenecks
- Map based visualization of key user experience metrics



Let's see it in action!

Additional use cases across industries

How the ITSI Content packs can help you leverage telemetry from Meraki, Catalyst Center, and ThousandEyes for proactive monitoring



Financial Services

- Branch/ATM/Online banking kiosks Uptime Monitoring across sites
- Mobile banking App and transaction monitoring across network and application



Manufacturing

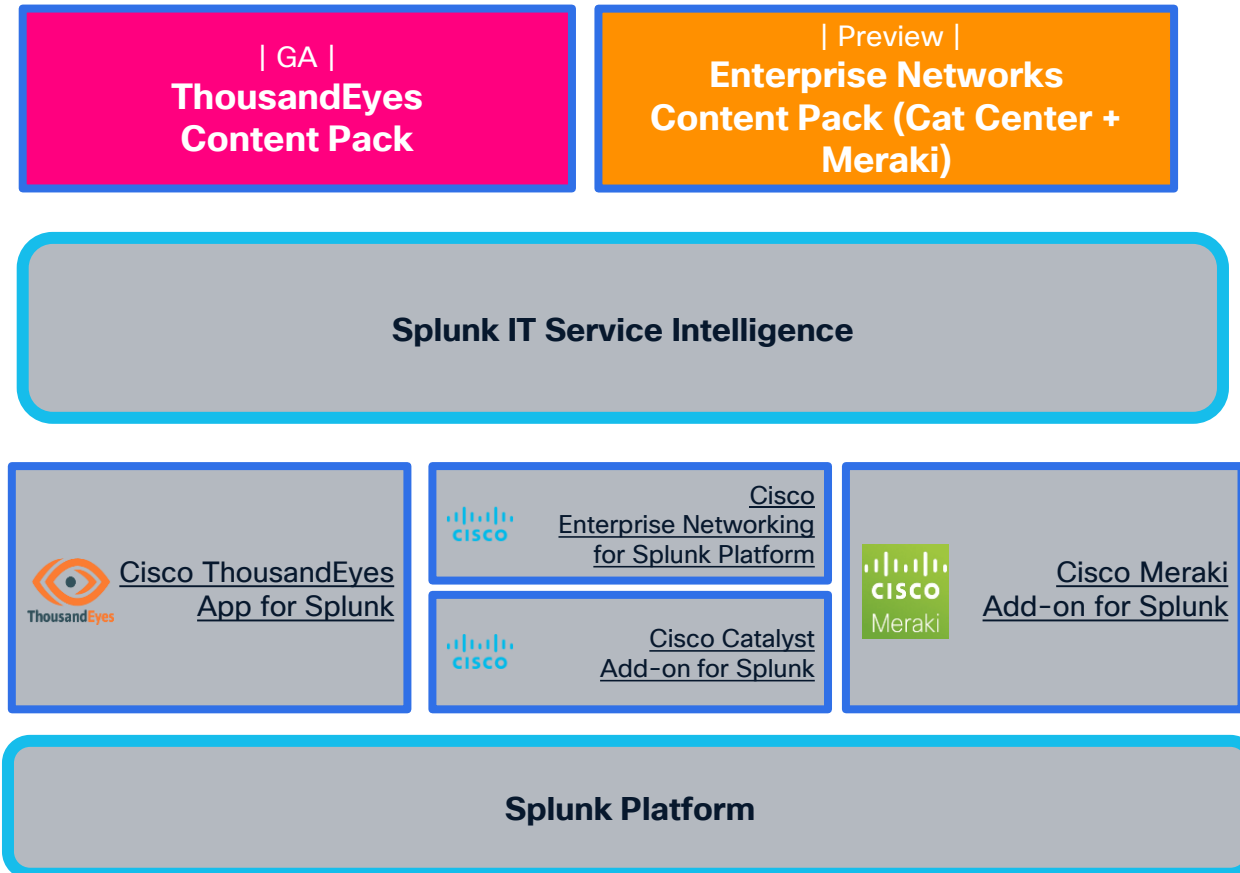
- Multi-site network monitoring across plants
- Factory connectivity gaps
- Production throughput degradation



Service Providers

- Proactive customer-impact awareness
- Visibility into tenant-level service health for SLAs
- Pinpoint fault domain across shared infrastructure

How to get started today



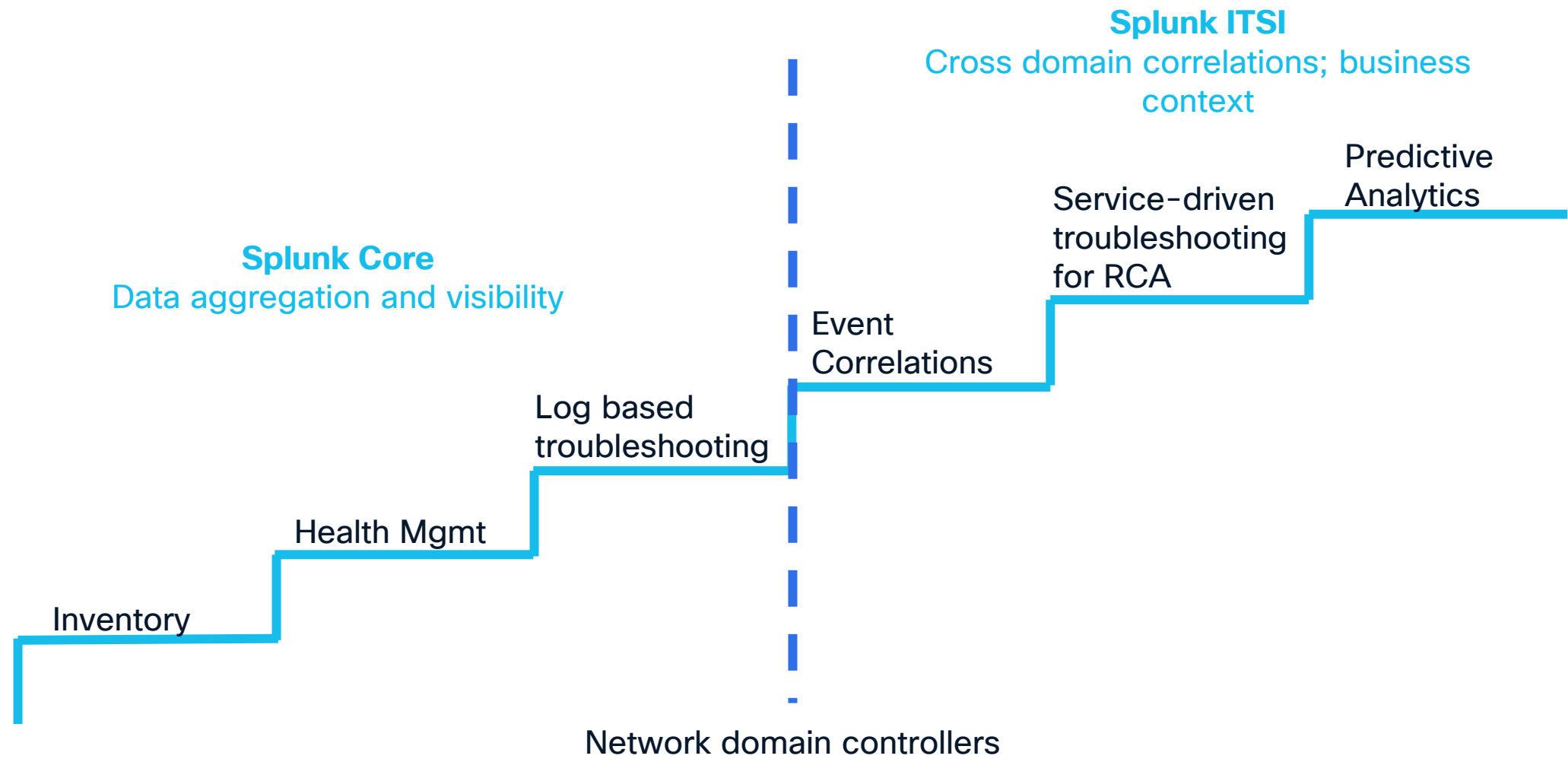
Splunk IT Service Intelligence

1. Install ThousandEyes with Splunk App for Content Packs and ensure required inputs are enabled in the Technical Add-on
2. For Catalyst Center & Meraki Content Preview, sign-up on voc.splunk.com/preview/enterprisenetworkscp
3. Leverage the content packs for service topology-based insights incl. KPIs + entity dashboards and alert correlation

Splunk Platform

1. Install Technical Add-ons & Apps (TAs) for getting data into Splunk
2. Leverage prebuilt visualizations for inventory and device level insights using the apps
 - a. ThousandEyes App for Cloud & Enterprise agents and endpoint test insights
 - b. Enterprise Networking for Catalyst Center ++
 - c. Meraki Add-on for device inventory and health

Value uplift with Splunk Core and ITSI



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