

Splunk4Rookies - Observability Cloud

 #Splunk4Rookies



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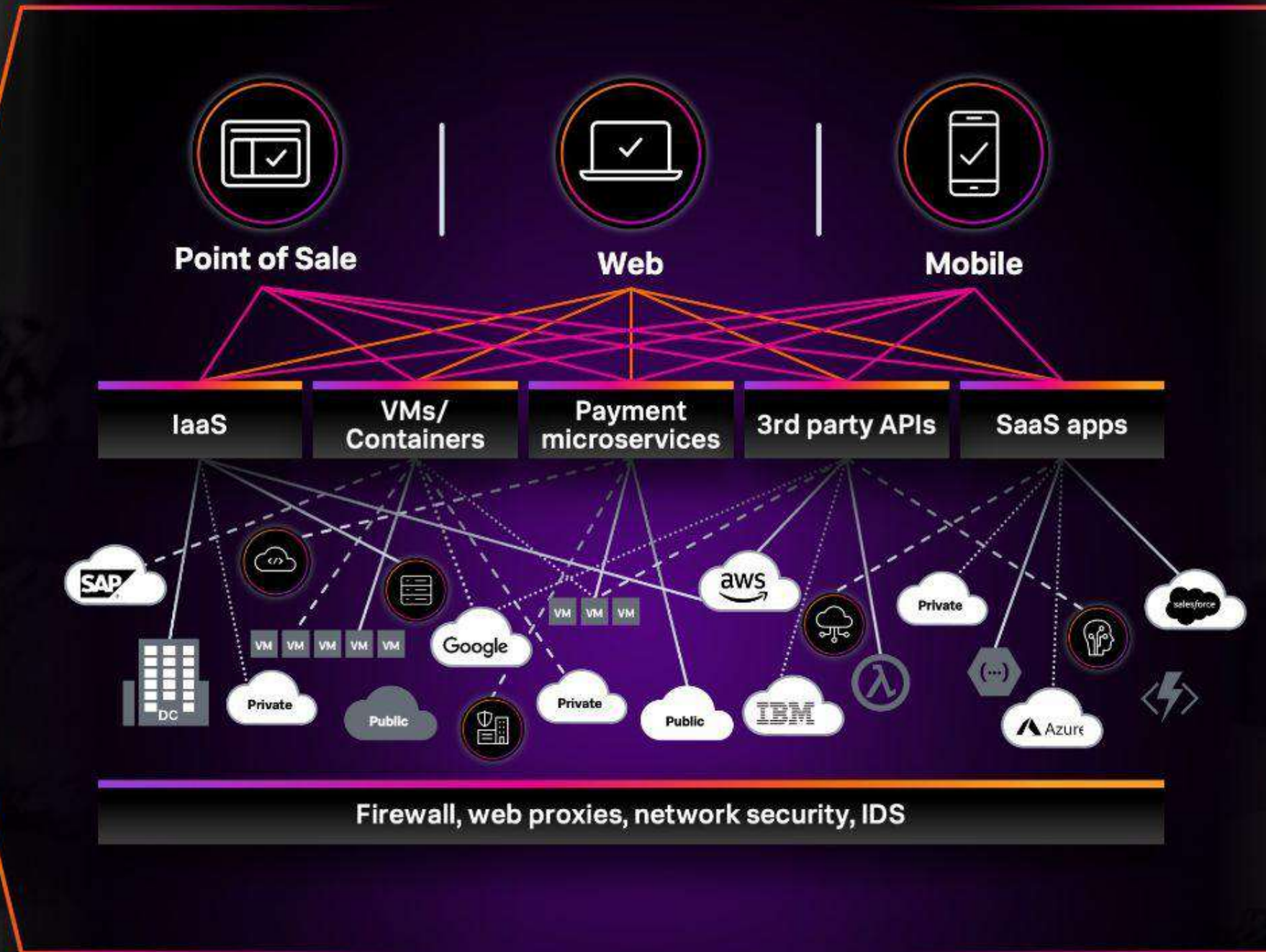


Workshop Agenda

- Why do we need Observability?
- Introduction to Splunk Observability Cloud
- Hands-on exercises:
 - Shopping at our online boutique
 - Investigate experiences with Real User Monitoring (RUM)
 - Understand issues using Application Performance Monitoring (APM)
 - Enrich findings with Log Observer Connect
 - 24/7 monitoring using Synthetics
 - Create a war-room dashboard with Infrastructure Monitoring (IM)
- Wrap-up

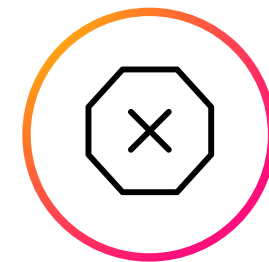


Your Tech Stack and Day Has Exploded

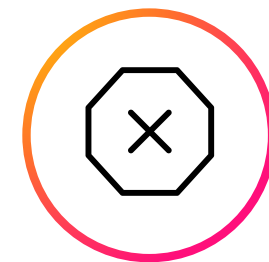




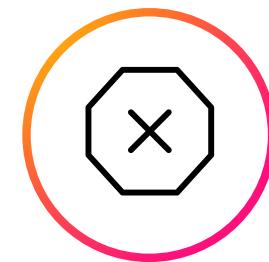
This Causes 3 Core Challenges



Slow Triage



No Proactive Measures



Lack of Context

What is Observability?



Monitoring vs Observability

Traditional Monitoring

Limited cloud visibility

Lack of speed and scale

Disconnected tooling

Lack of business context

Sampled data, low-cardinality
batch analytics



Splunk Observability Cloud

End-to-end visibility

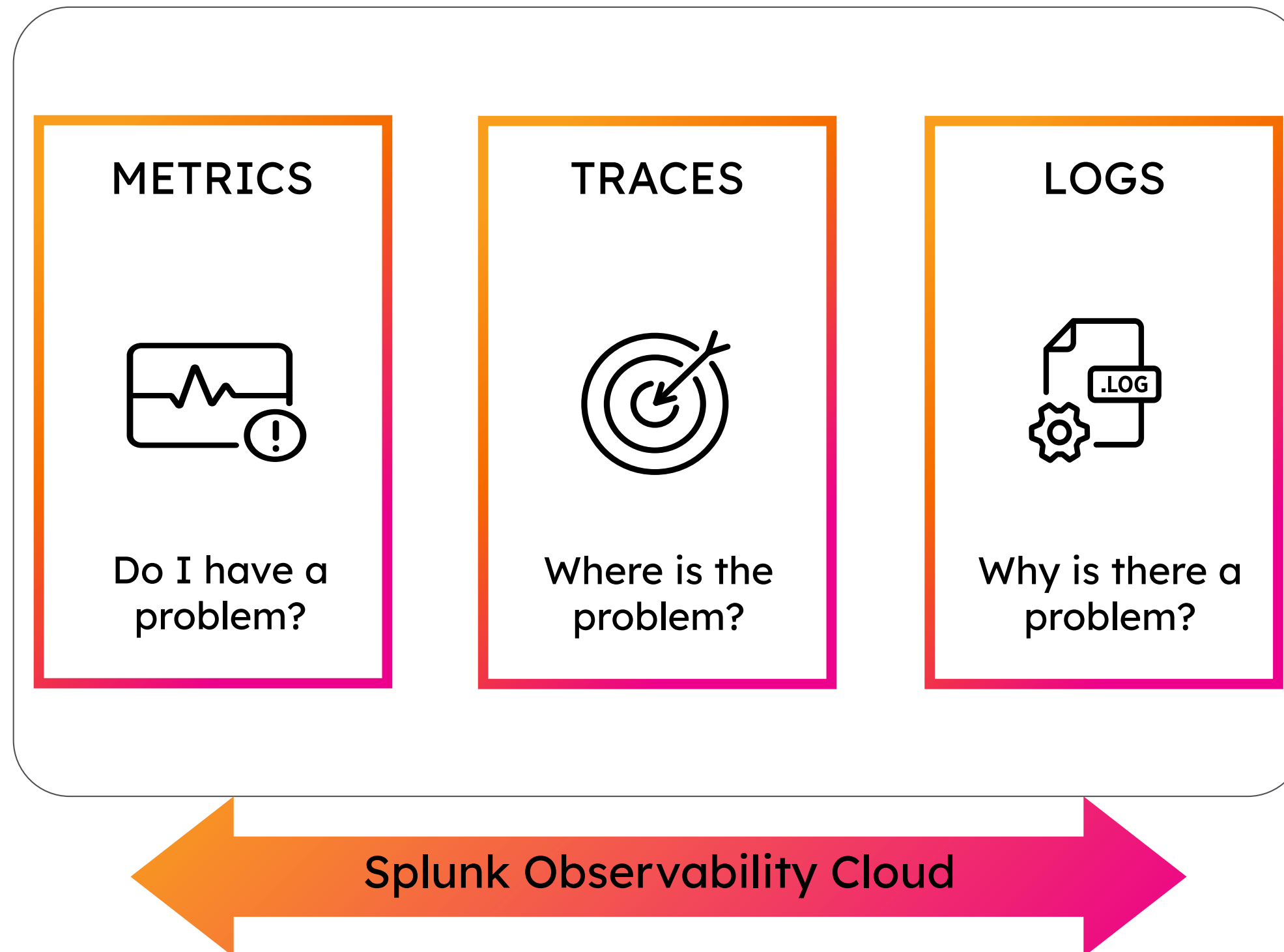
Cloud native speed and scale

Integrated analytics and biz
insights

AI-powered detection &
remediation

Full-fidelity; built for microservices
& containerised/serverless tech

Splunk Delivers Unified Observability

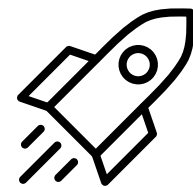


Splunk is OpenTelemetry Native

Future-Proof Your Business

Fix Less | Build More

- ✓ Simplified Instrumentation
- ✓ Easy integration with existing tools
- ✓ Flexibility in data analysis
- ✓ Improved application performance
- ✓ Enables better visibility and faster troubleshooting
- ✓ Makes developers happy



Save Money

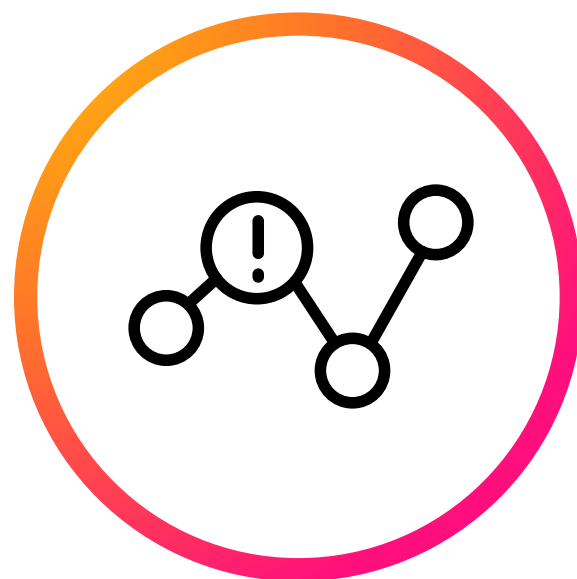
- ✓ Vendor agnostic
- ✓ Reduces observability costs
- ✓ Reduces downtime
- ✓ Reduced development and maintenance costs
- ✓ Increased operational efficiency
- ✓ Future-proof



3 Reasons Why Splunk for Observability



Complete business visibility across any environment & any stack



Less downtime with faster detection & guided root cause analysis

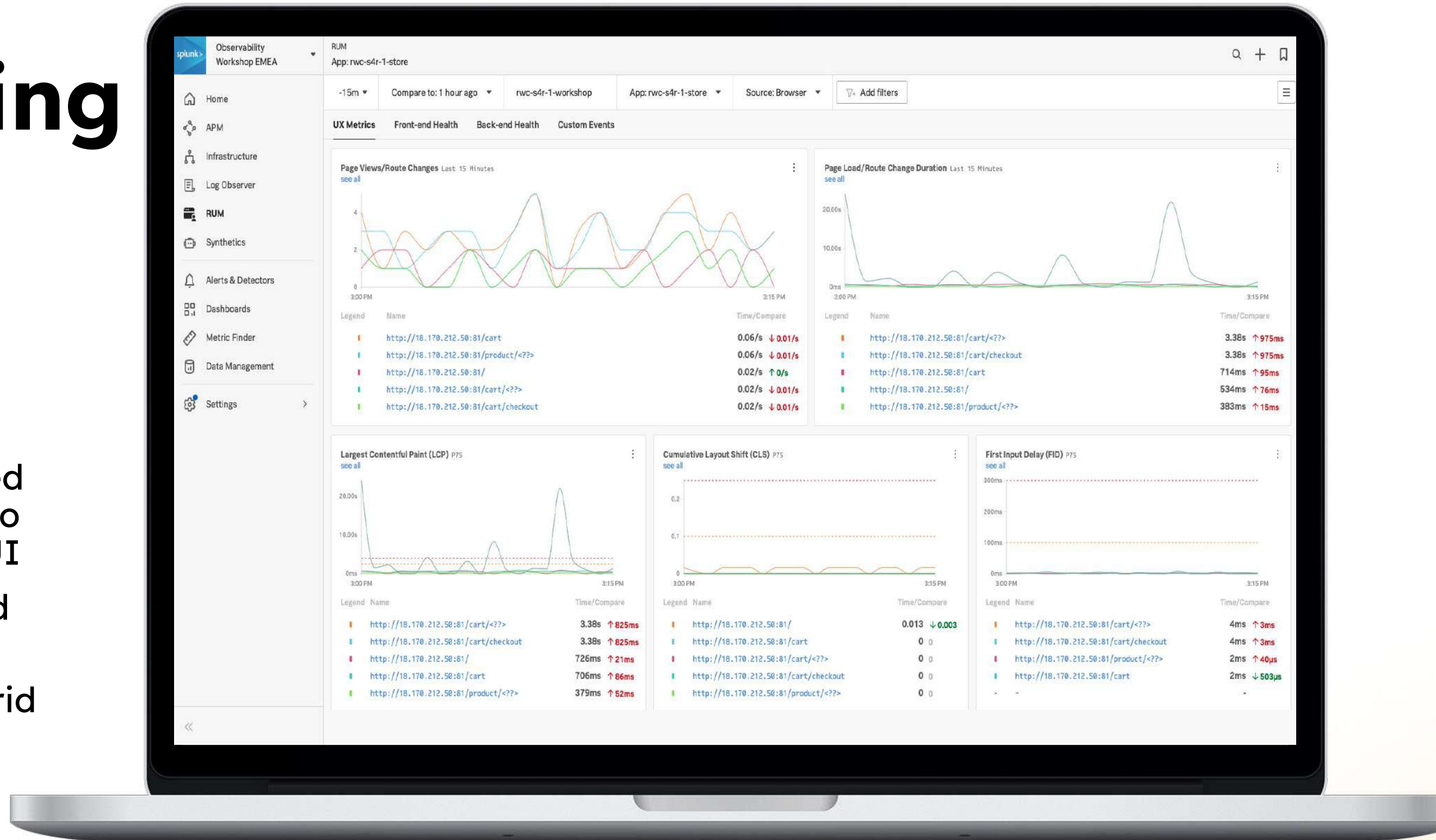


Full data ownership & flexible consumption

Splunk Real User Monitoring

Full-fidelity visibility into real user experiences

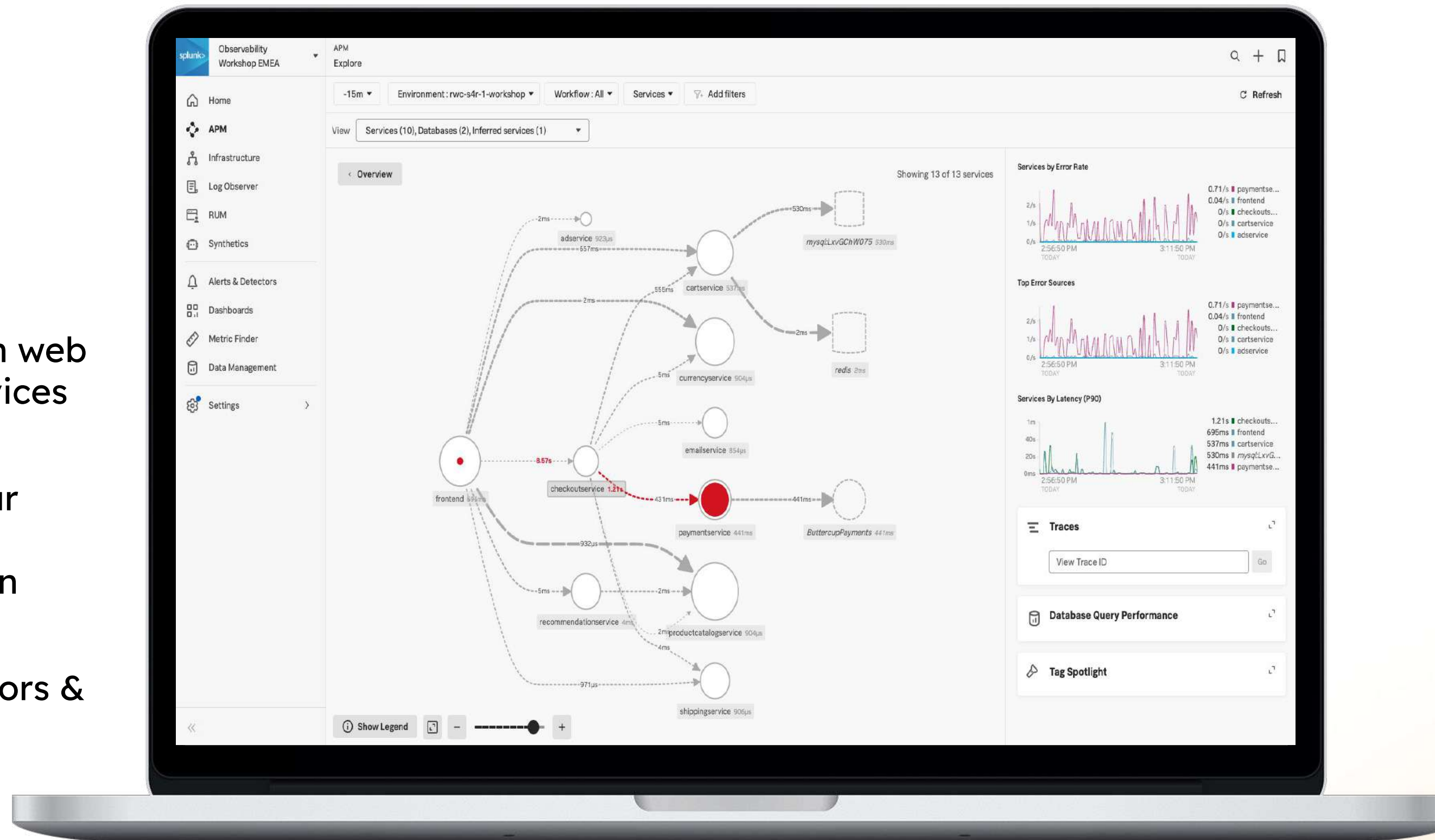
- Complete analysis of end users experiences, measure impact of every resource, image, route change & API call
- End-to-end tracing on unsampled data, track any front-end span to backend traces within a single UI
- Out of the box industry standard user experience & SEO metrics
- Support for iOS, Android & hybrid mobile apps



Splunk APM

Isolate problems faster,
from monoliths to
microservices

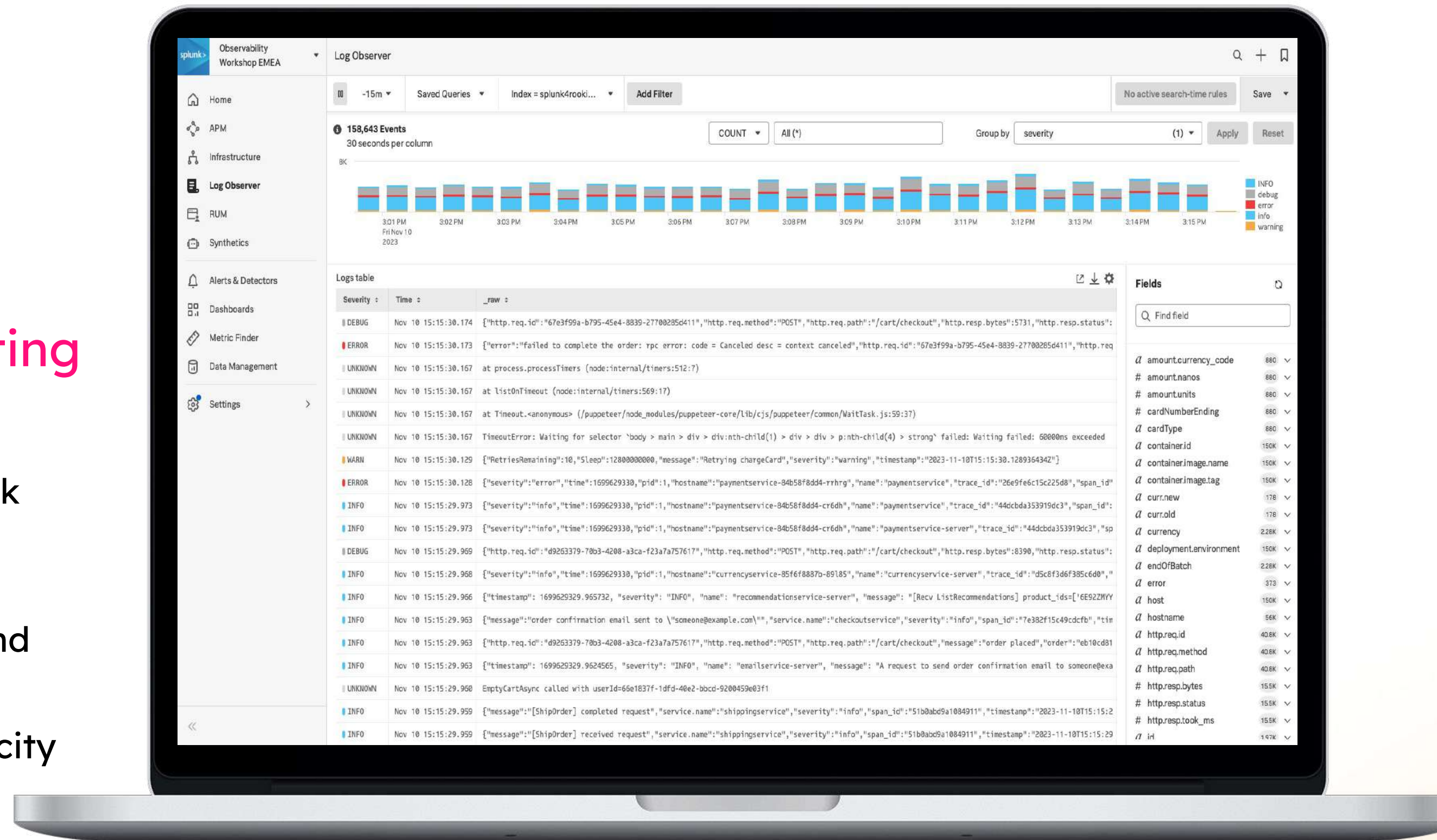
- Analyze every transaction from web & mobile apps to backend services & database queries
- Continuously measure how your code impacts CPU & memory allocation to spot bottlenecks in your services
- Identify sources of latency, errors & anomalies with directed troubleshooting and dynamic telemetry maps



Splunk Log Observer Connect

No-code, in-context log-based troubleshooting

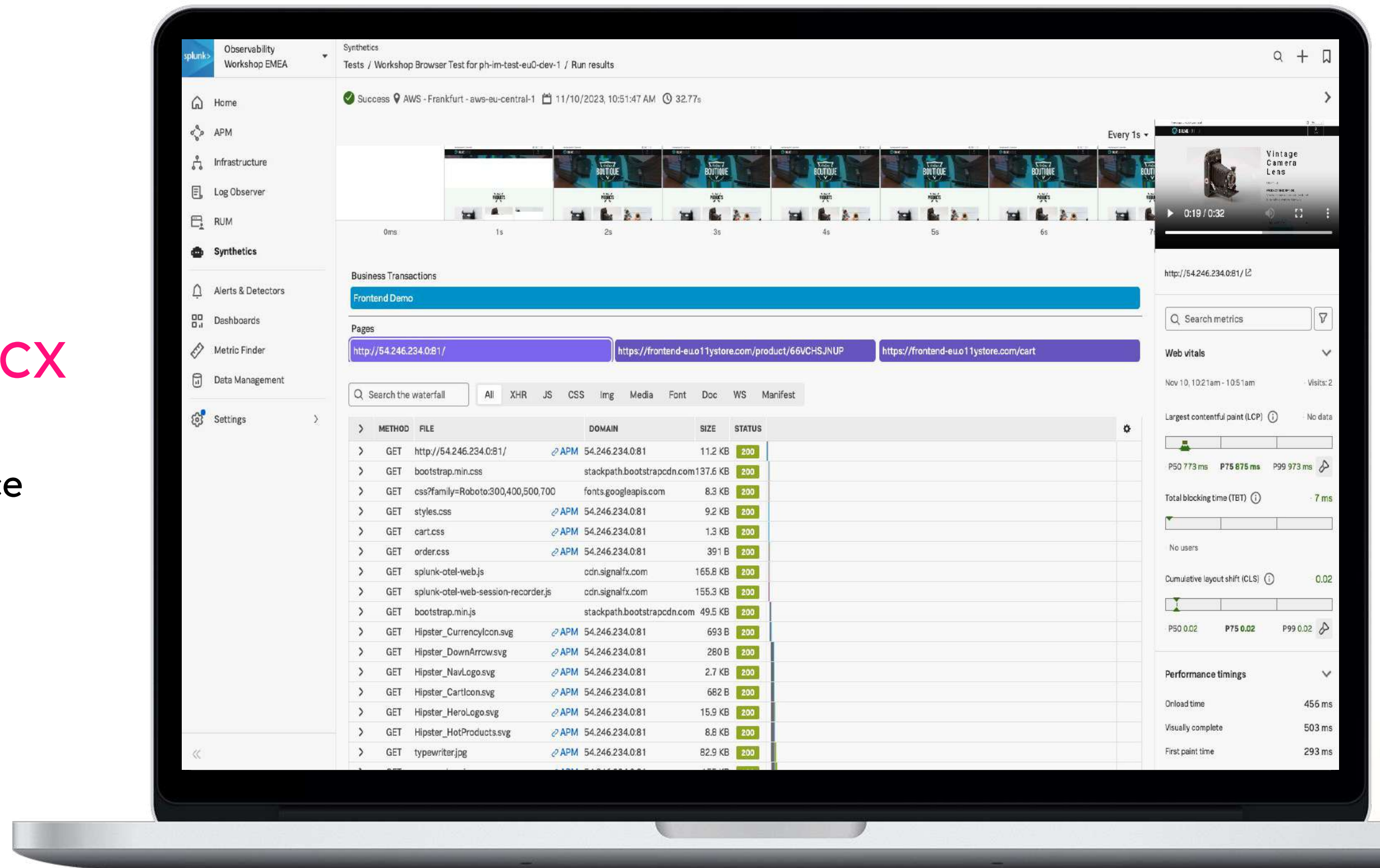
- Easily connect app and infrastructure logs from Splunk Enterprise/Cloud in Splunk Observability Cloud
- Point-and-click log filtering and analysis, no learning curve
- Leverages your existing capacity in Splunk Enterprise/Cloud



Splunk Synthetic Monitoring

Optimize performance and ensure exceptional CX with every deployment

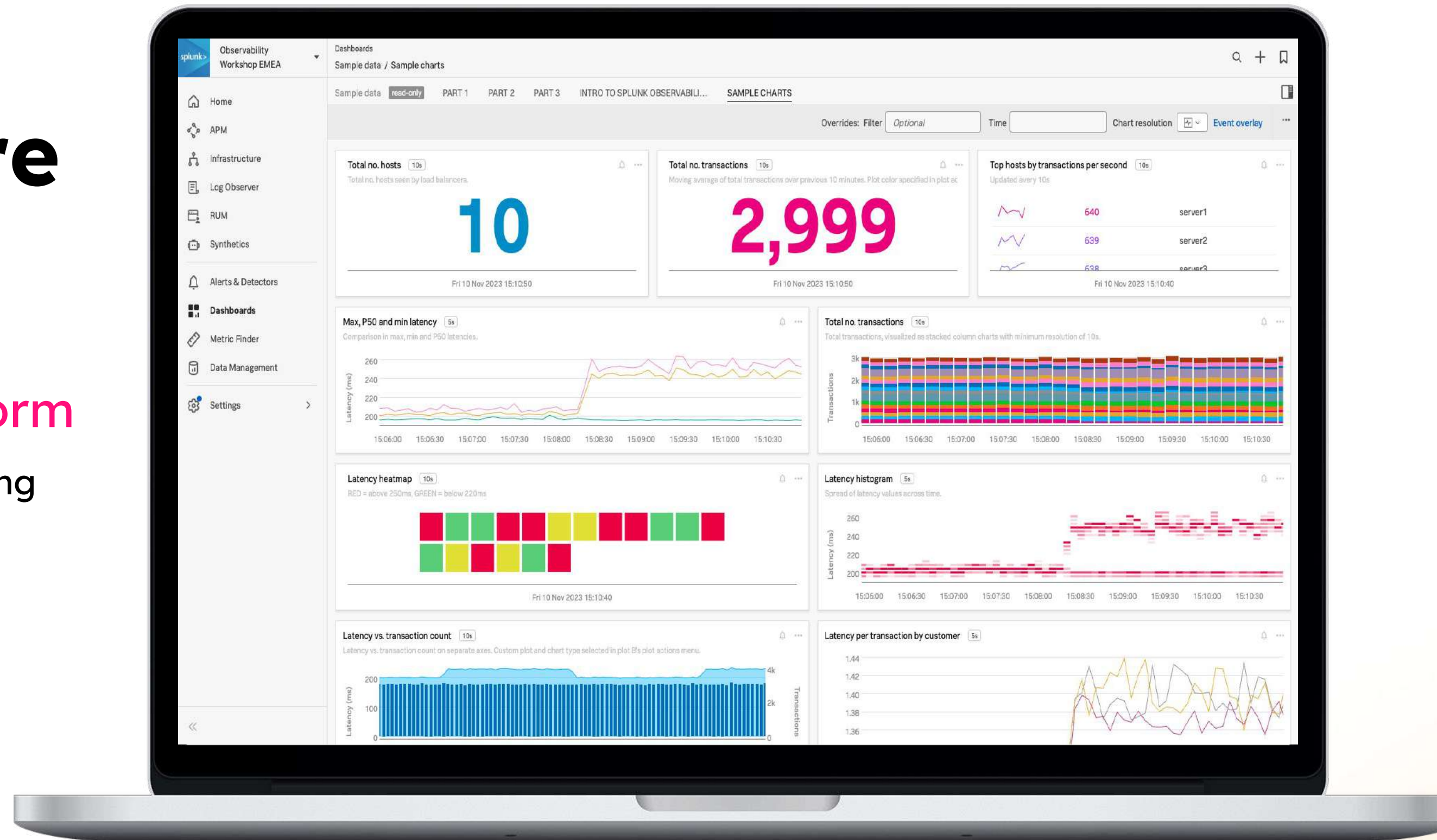
- URL, API & service performance alerts
- 50+ public locations simulate performance of users globally
- Test within CI/CD pipelines to auto-pass/fail SLA-tier deployments
- 300+ performance recommendations prioritize issues & optimize critical web services



Splunk Infrastructure Monitoring

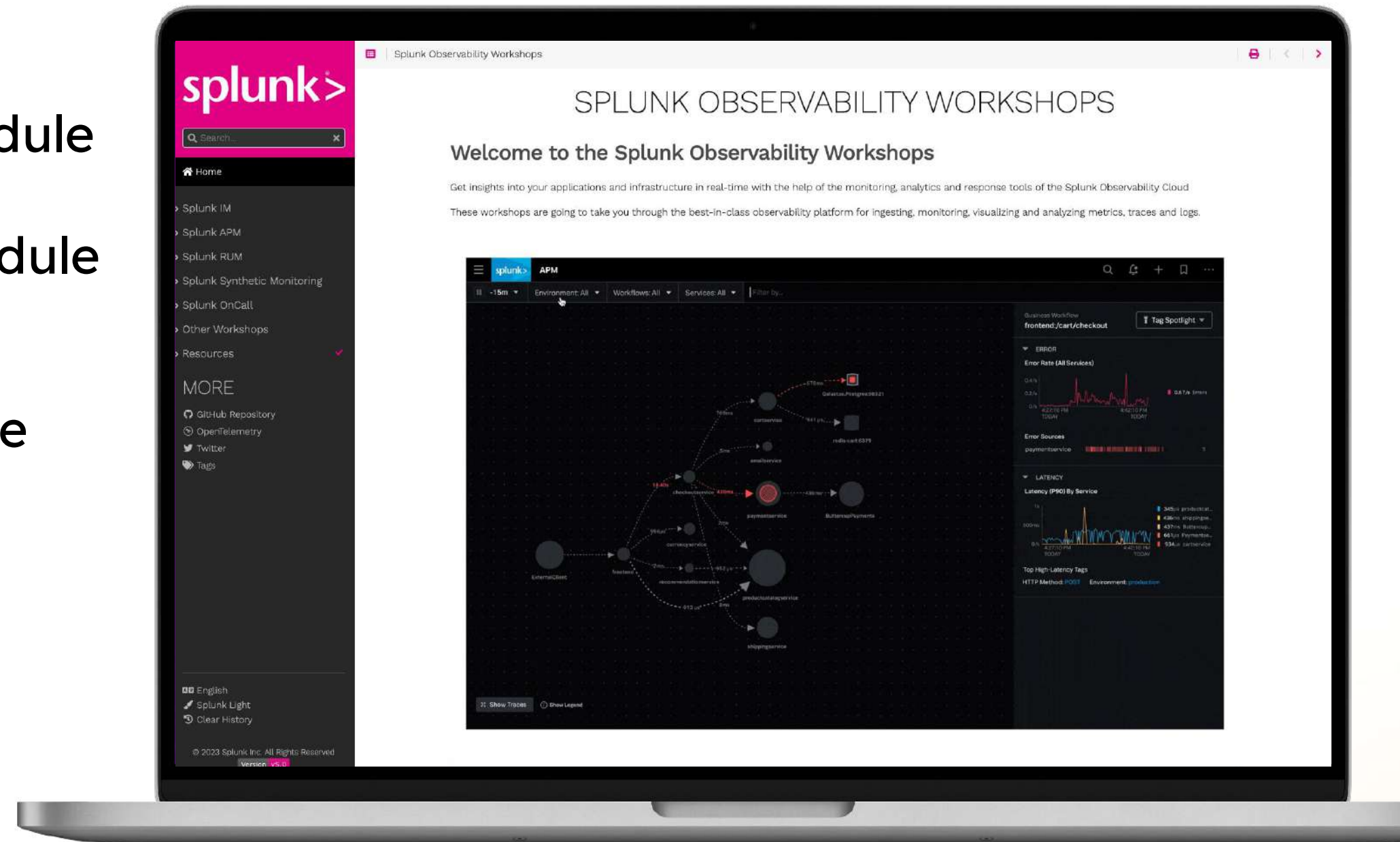
Built on a real-time streaming metrics platform

- On-prem to multi cloud monitoring
 - Linux, Windows, VMware
 - AWS, Google Cloud, Azure
 - Kubernetes & Serverless
- Automatic service discovery
- 200+ pre-built integrations
- Analytics-driven alerting



Logistics

- 🎓 The workshop host will introduce each module
- 👣 Your host will quickly walk through the module steps
- 🕒 You will then have time to work through the module yourself
- 👋 For help, please raise your hand in Zoom and one of the hosts will contact you



There's a Lot More to Splunk Observability

Always-on-profiling
Zero Config Auto
Instrumentation
Cloud integrations

Database
explorer
On-Call
Cost Explorer
Signalflow

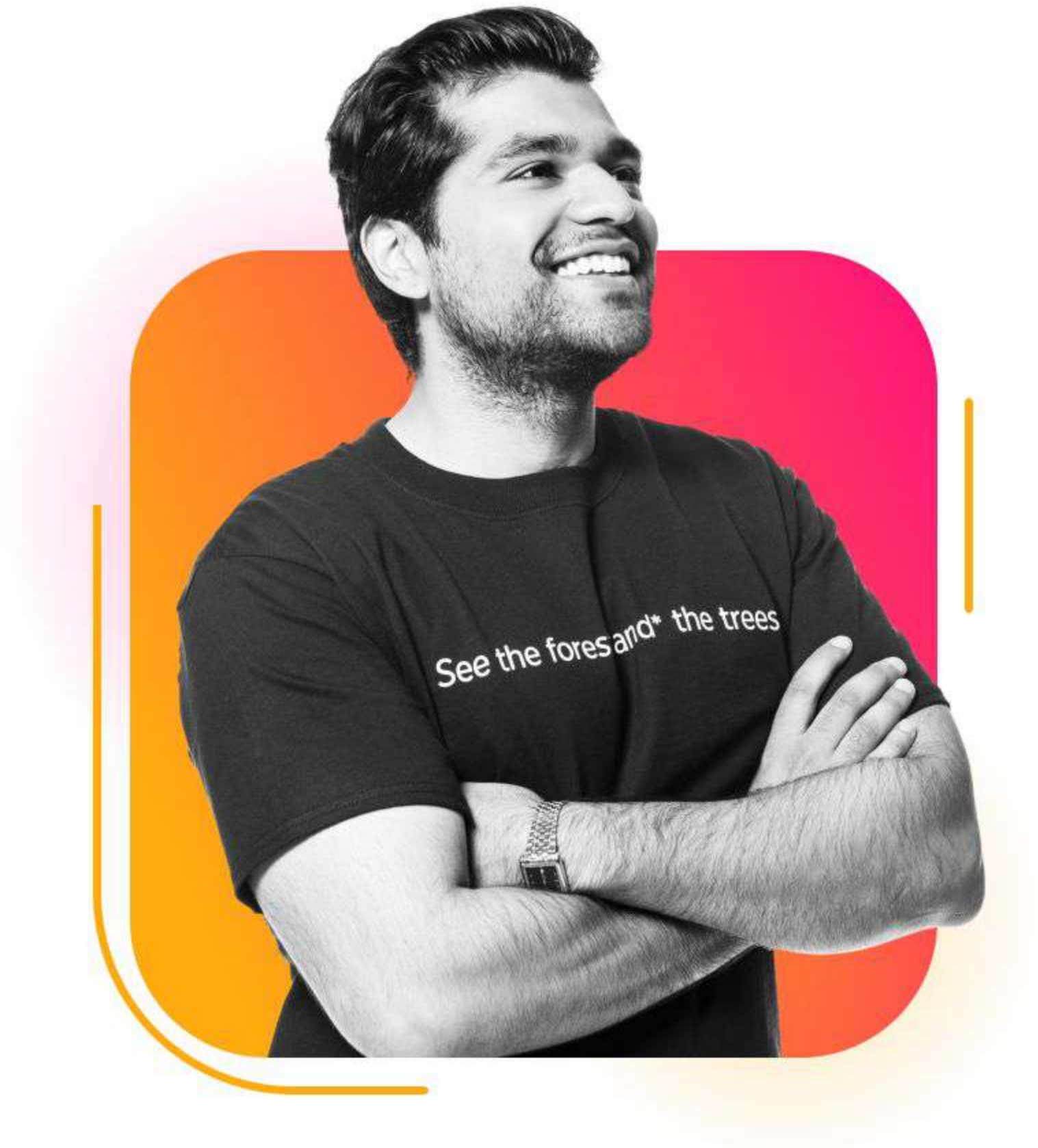
Network Explorer
Port checks
Service Bureau
Best Practices
And much more...

Endpoint
performance
Teams
Observability as
code
Metric types

Role Based Access
Out of the box
dashboards
Data Filtering
Transformations

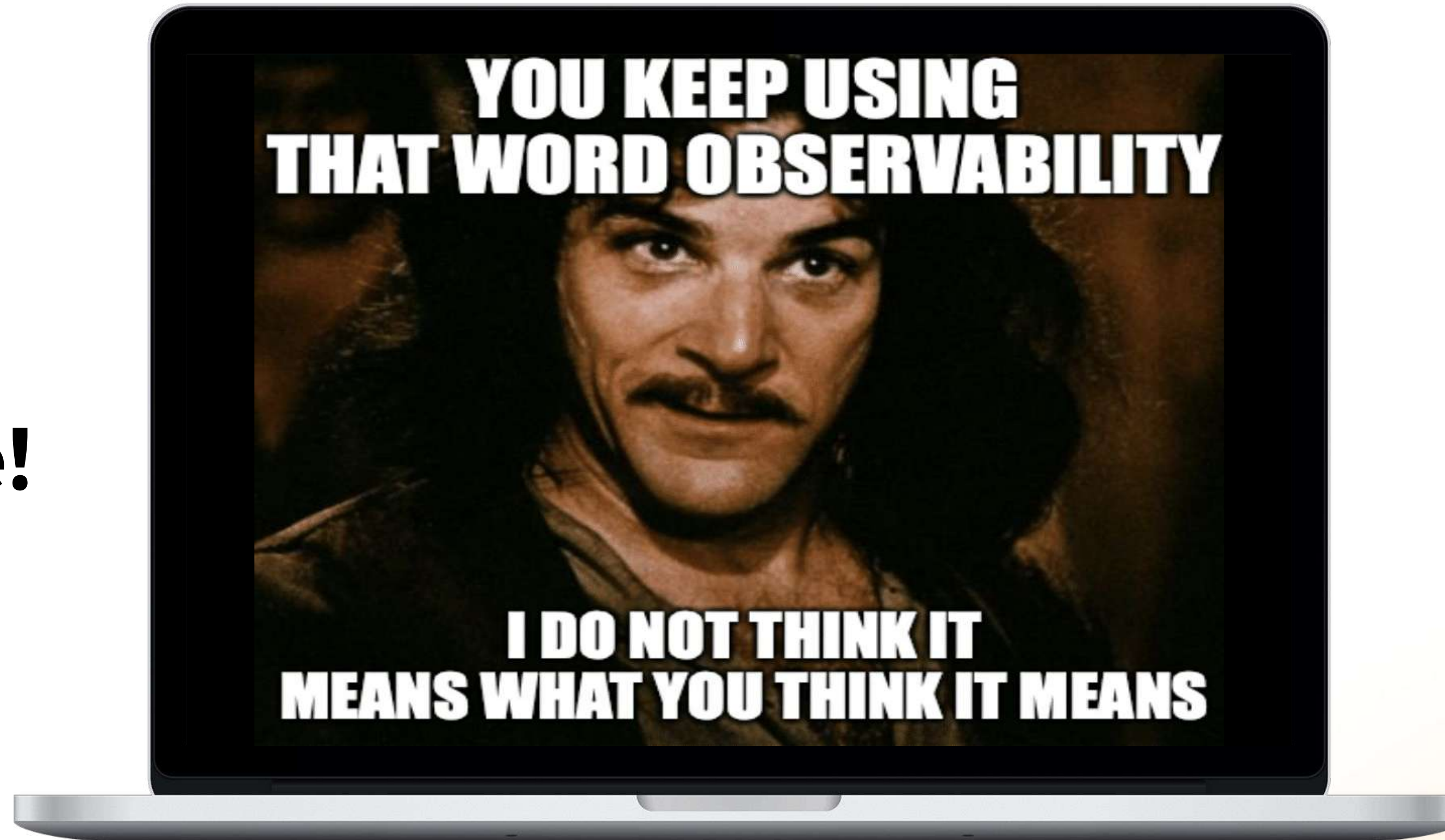
Visit <https://splunk.com/training> to learn more!

Time to Get Hands-On!



splunk>

You're Done!



Splunk Resources

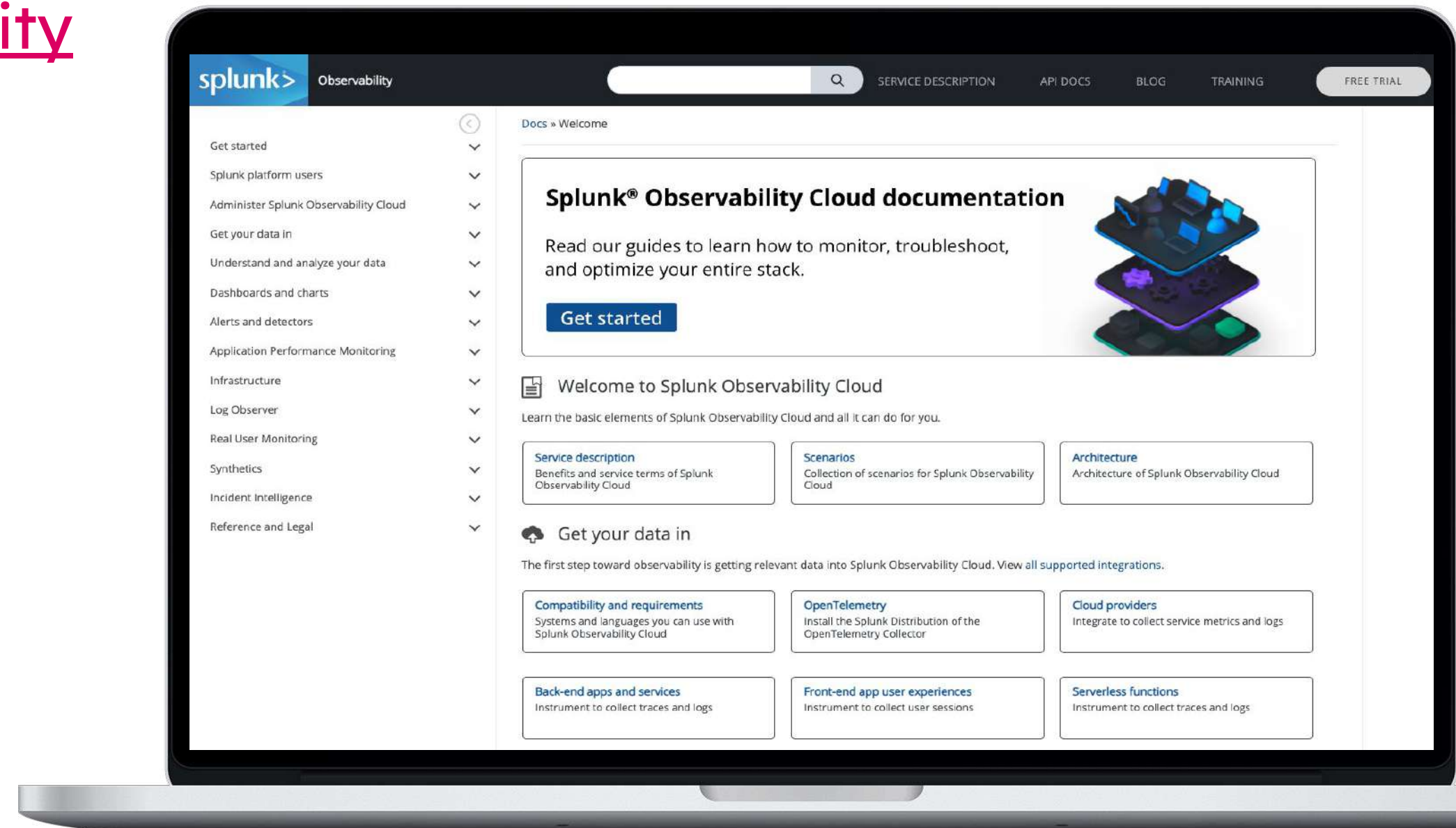
Where to go after
today's workshop



Documentation

<https://docs.splunk.com/observability>

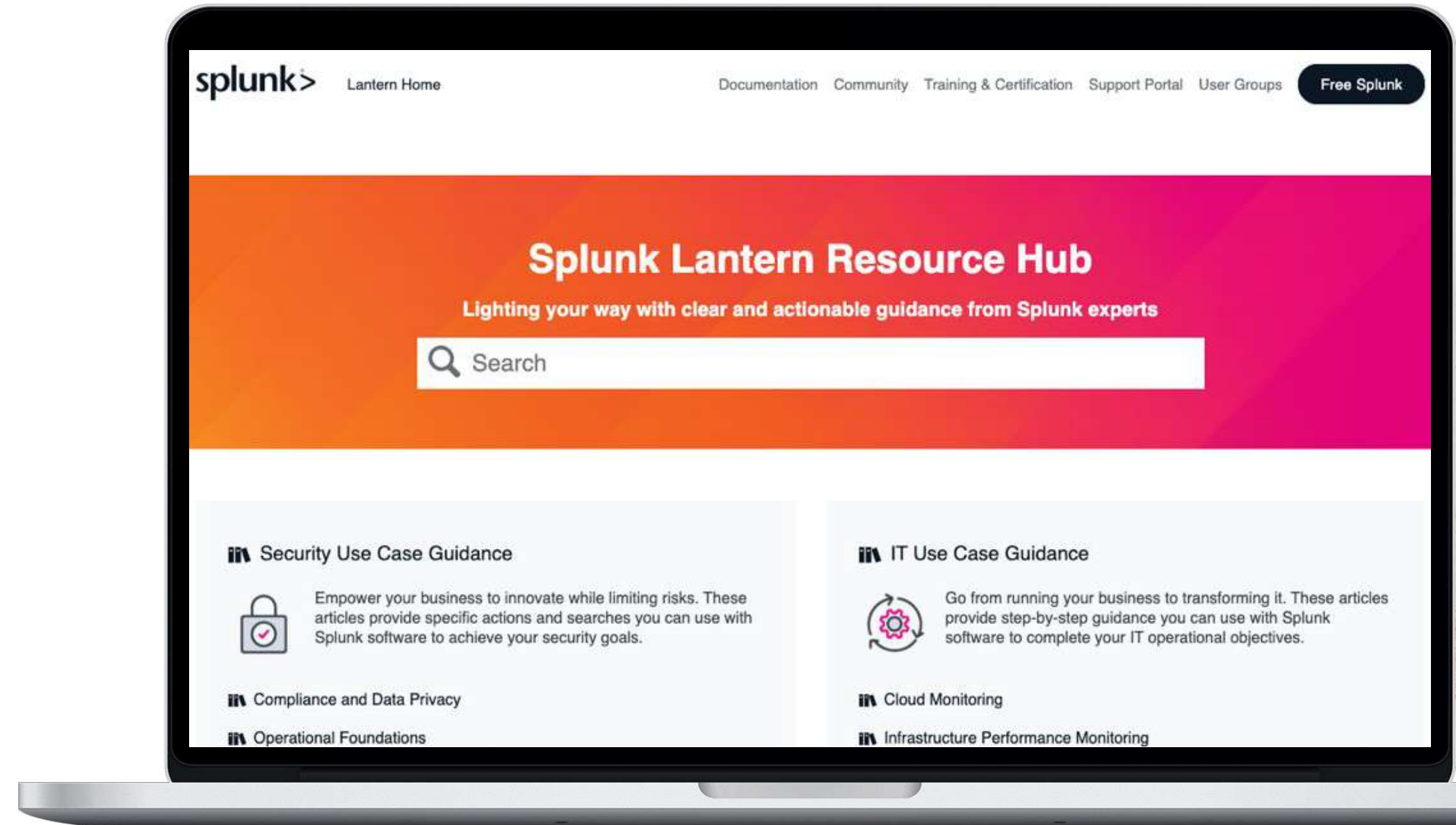
- > Product references
- > Step-by-step tutorials on scenarios
- > Integrations information
- > Procedures/guides
- > And more!



Splunk Lantern

<https://lantern.splunk.com>

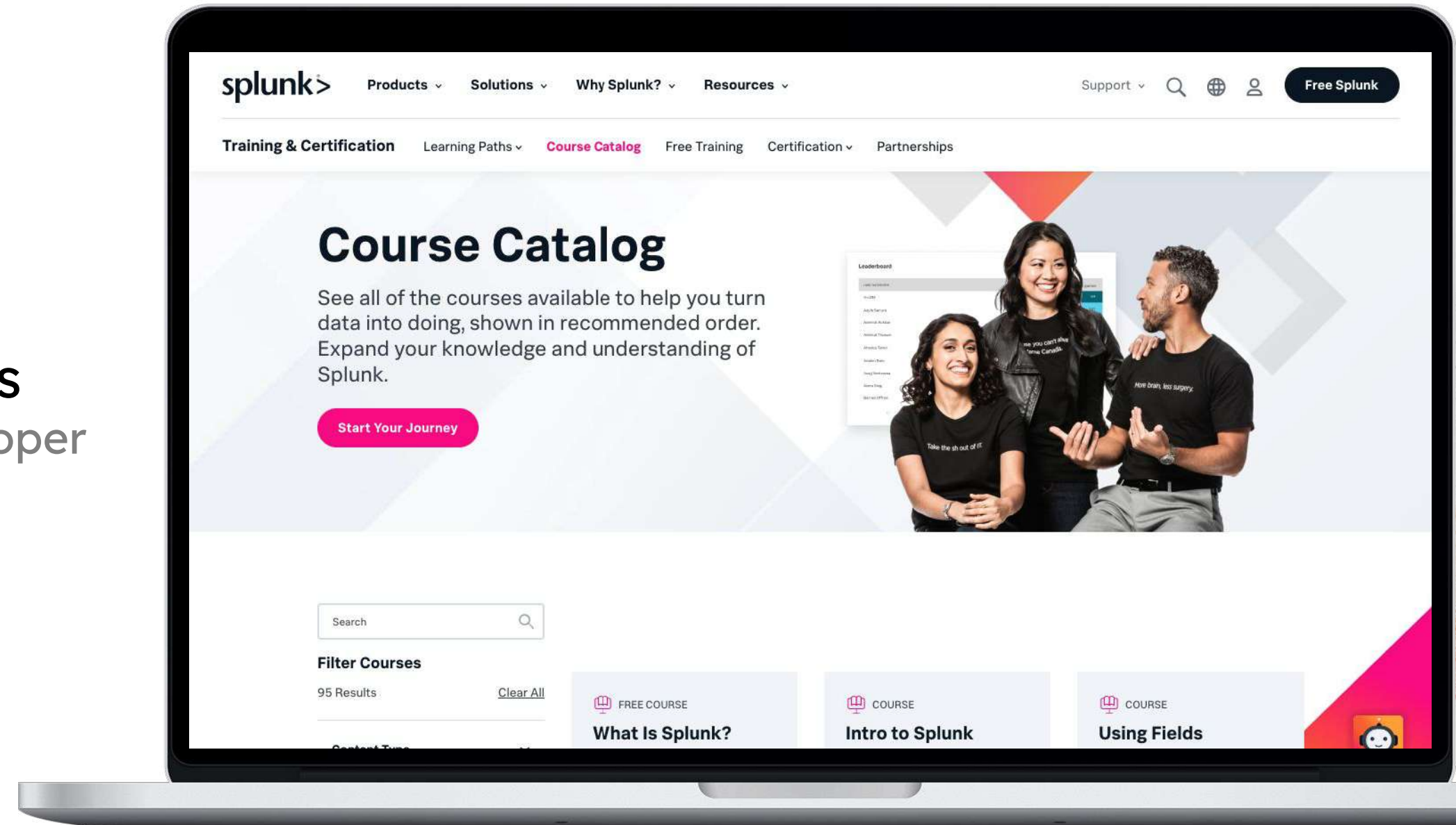
- > Use case library
- > Step-by-step procedures
- > Map use cases to data sources
- > Splunk Success Framework to realise value across your organisation



Training & Certification

<https://splunk.com/training>

- > **Online education classes**
Instructor-led and self-paced eLearning
- > **Certification tracks for different roles**
User, Power User, Admin, Architect and Developer
- > **Splunk Education Rewards**
Complete training and receive points that you can redeem for Splunk swag!
- > **Free education!**
Free single-subject eLearning courses to kick start your Splunk learning



Splunk Events

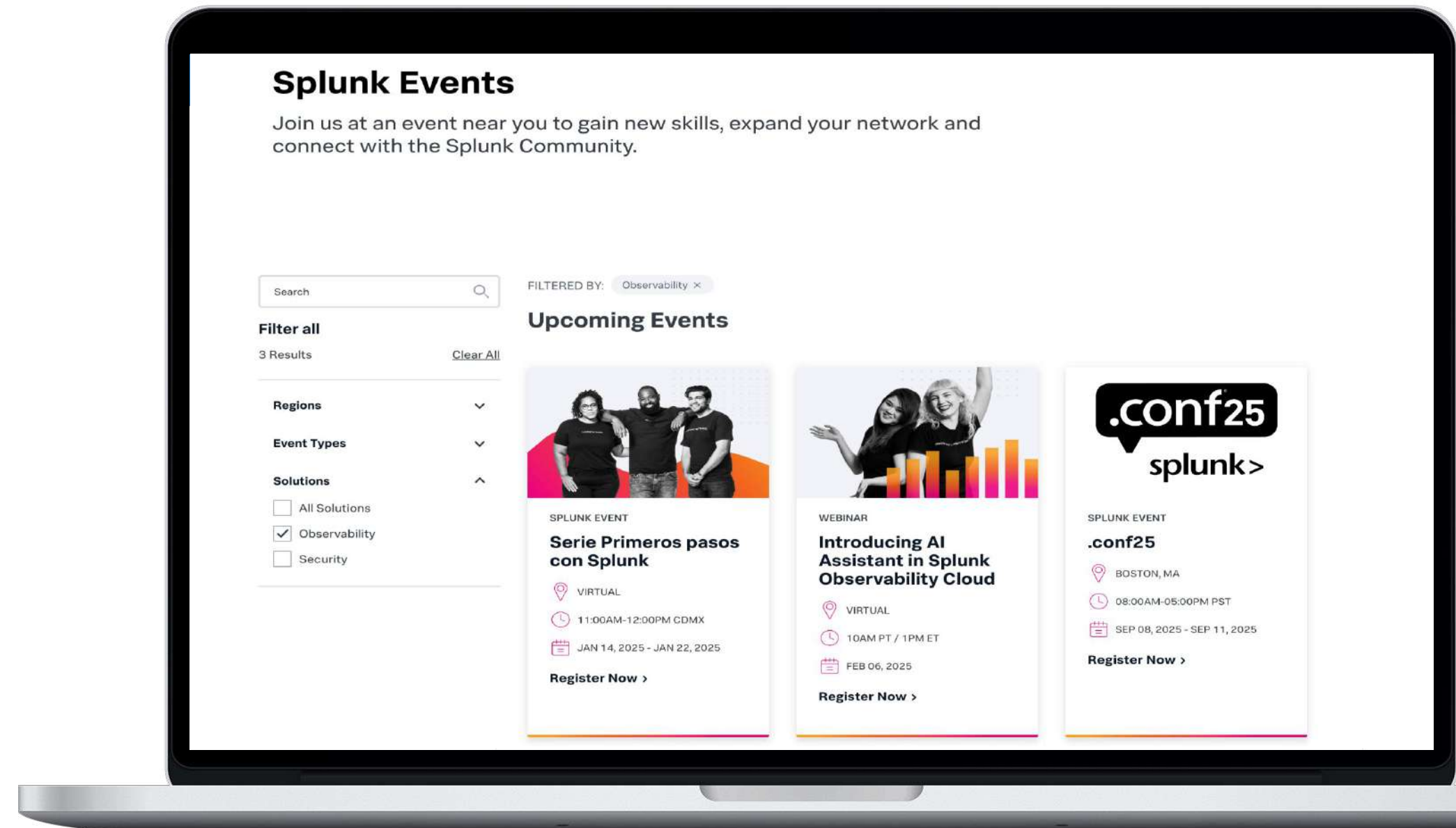
<https://events.splunk.com>

- > Expand your network and connect with the global and local Splunk community



<https://conf.splunk.com>

- > Join us at .conf!
- > Hundreds of on-demand sessions from product updates to learning new Splunk skills!



Additional Resources



12 Immutable Rules for Observability

[Read the E-Book >](#)



Creating a DevOps-Centric Business Culture

[Read the White Paper >](#)



Observability Buyer's Guide

[Read the Article >](#)



https://www.splunk.com/en_us/form/12-immutable-rules-for-observability.html



https://www.splunk.com/en_us/form/creating-a-devops-centric-business-culture.html



https://www.splunk.com/en_us/form/observability-buyers-guide.html

Thank you

Additional Materials

Solutions Guides:

- [Splunk for Business Service Insights](#)
- [Splunk for Infrastructure Monitoring and Troubleshooting](#)

White Papers:

- [The Essential Guide to Container Monitoring](#)
- [Creating a DevOps-Centric Business Culture](#)
- [Modern IT Management With AIOps](#)

Tech Brief:

- [Is Your Application Performance Monitoring Tool Cutting Corners?](#)

E-Books:

- [The Essential Guide to AIOps](#)
- [3 Must-Haves for Managing Multi-cloud Complexity](#)
- [The 5 Foundational DevOps Practices](#)
- [12 Immutable Rules for Observability](#)

Data Sheets:

- [Splunk Infrastructure Monitoring](#)

Articles:

- [How to Monitor your Software Development Pipe](#)

Customer Stories:

- [Mark43 Depends on Splunk](#)
- [Acquia Transforms Customer Experience with Real-Time Problem Resolution](#)
- [Carnival Navigates Sea of Data with Splunk](#)

Free Splunk Observability Cloud Trial:

- [Try Splunk Observability Cloud free for 14 days](#)

Today's Workshop Environment

