The bridge to possible

Cisco Full-Stack Observability Platform

AppDynamics and Cisco FSO Platform

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@geoffhendrey

Cisco Live!

PSOAPP-1538

Cisco Webex App

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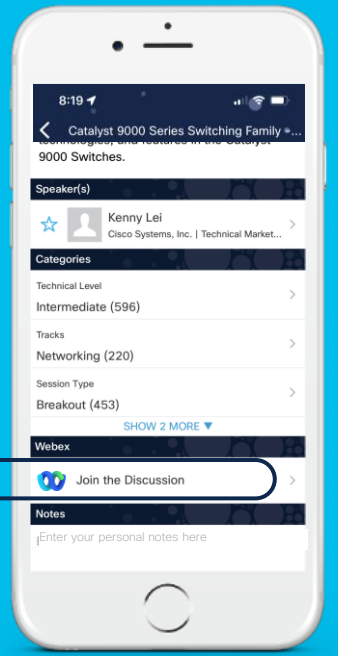

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Agenda

- Full-Stack Observability (FSO)
- AppDynamics Cloud
- The Cisco FSO Platform
- Extensibility: Empowering users and partners
- Conclusion

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Why Full Stack Observability (FSO)

- Gain deep, end-to-end visibility across your application ecosystem
- Break down operational silos and align your IT teams
- Prioritize issues based on user and business impact
- Proactively pinpoint and resolve problems before they affect performance
- Optimize your infrastructure cost and performance
- Align your tech decisions with the needs of your business
- Modernize your approach to application security

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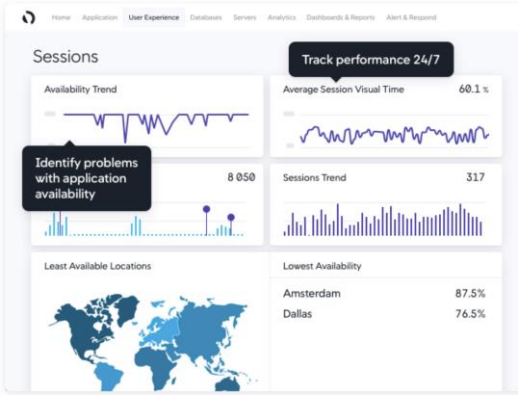
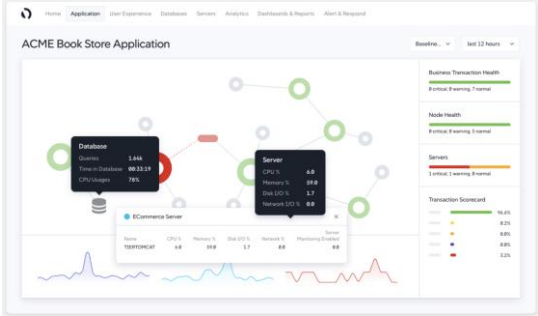
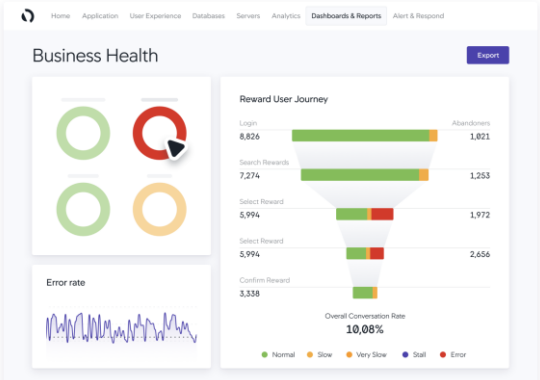
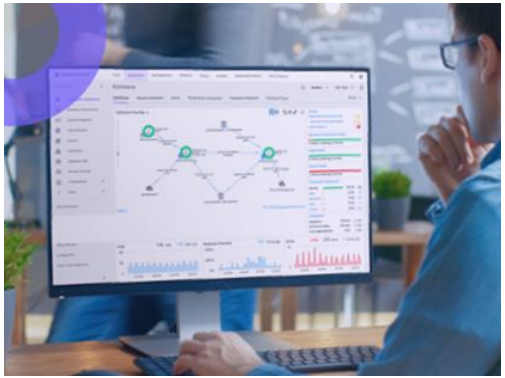
AppDynamics: quick refresher

- Application Performance Monitoring (APM)
- End User monitoring
- Business Journeys
- Cloud Monitoring
- Security
- And more









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Got MELT?

MELT: Metrics, Events, Logs, and Traces

- MELT is the raw materials for FSO
- Historically disparate solutions
  - Metrics
  - Logs and Events
  - Traces
- Full-stack observability requires the combination of all MELT types
- Cisco FSO Platform is a complete MELT platform

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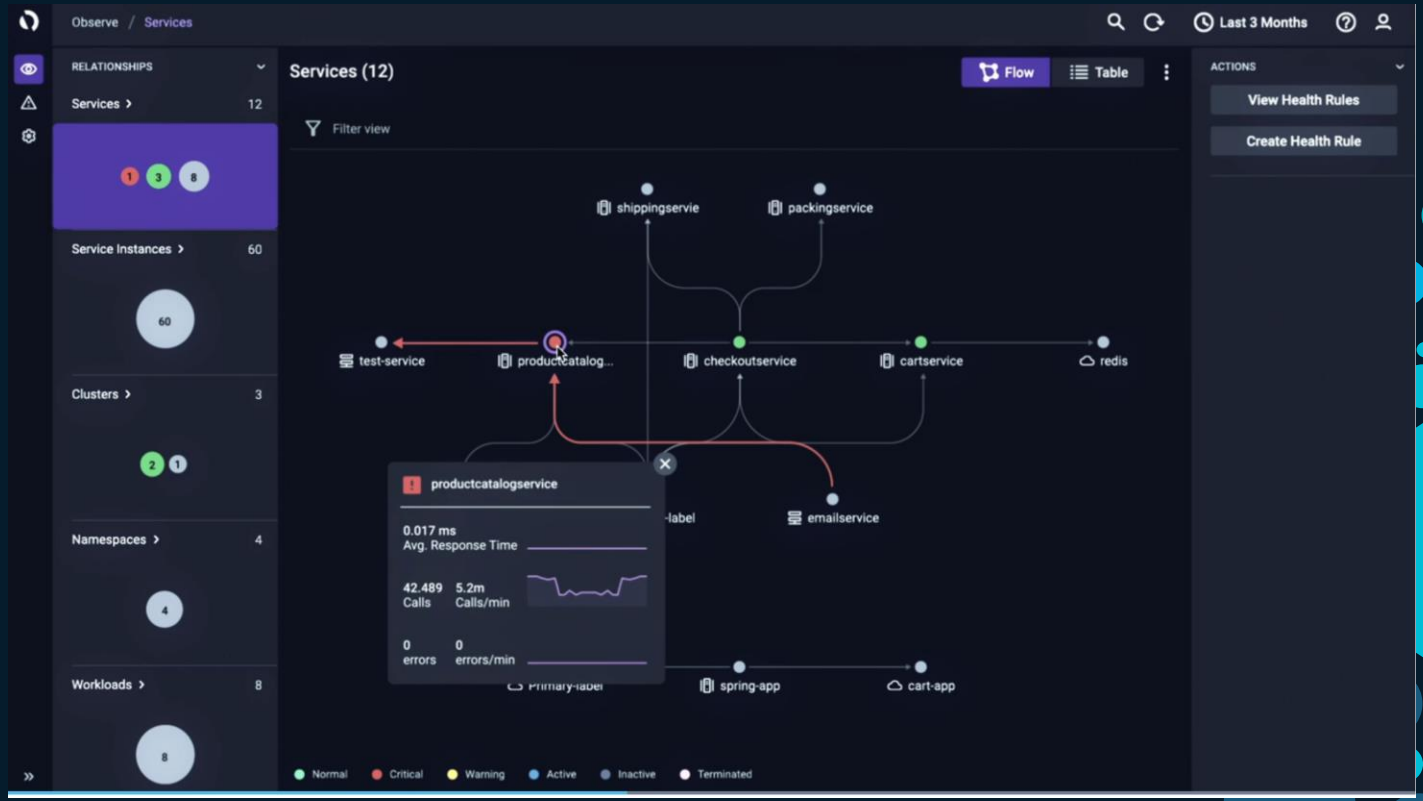
Got Topology?



Topology: The map of your infrastructure

- At AppDynamics we believe in MELTT
  - Metrics, Events, Logs, Traces, and *Topology*
  - Topology anchors every MELT telemetry signal in an *Entity*
- AppDynamics call this an "*entity centric*" approach
- Just like a physical map, AppDynamics entity topology has
  - different levels of detail that can be accessed for different tasks
  - Different *domains* of topology that can be overlayed

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AppDynamics Cloud (Short Video)

AppDynamics Cloud journey to FSO Platform

- Launched June ‘22
- Cloud native, open telemetry
- Totally new infrastructure
- Yet…still a Cisco product silo

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Introducing Cisco FSO Platform

- No Silos
- Provides a common MELT substrate for AppDynamics and more
- Draw a clear API/SDK line between the MELT platform and the applications
- cross-app collaboration
- Enrichments to Appd Cloud from partners
- Ecosystem, ecosystem, ecosystem!

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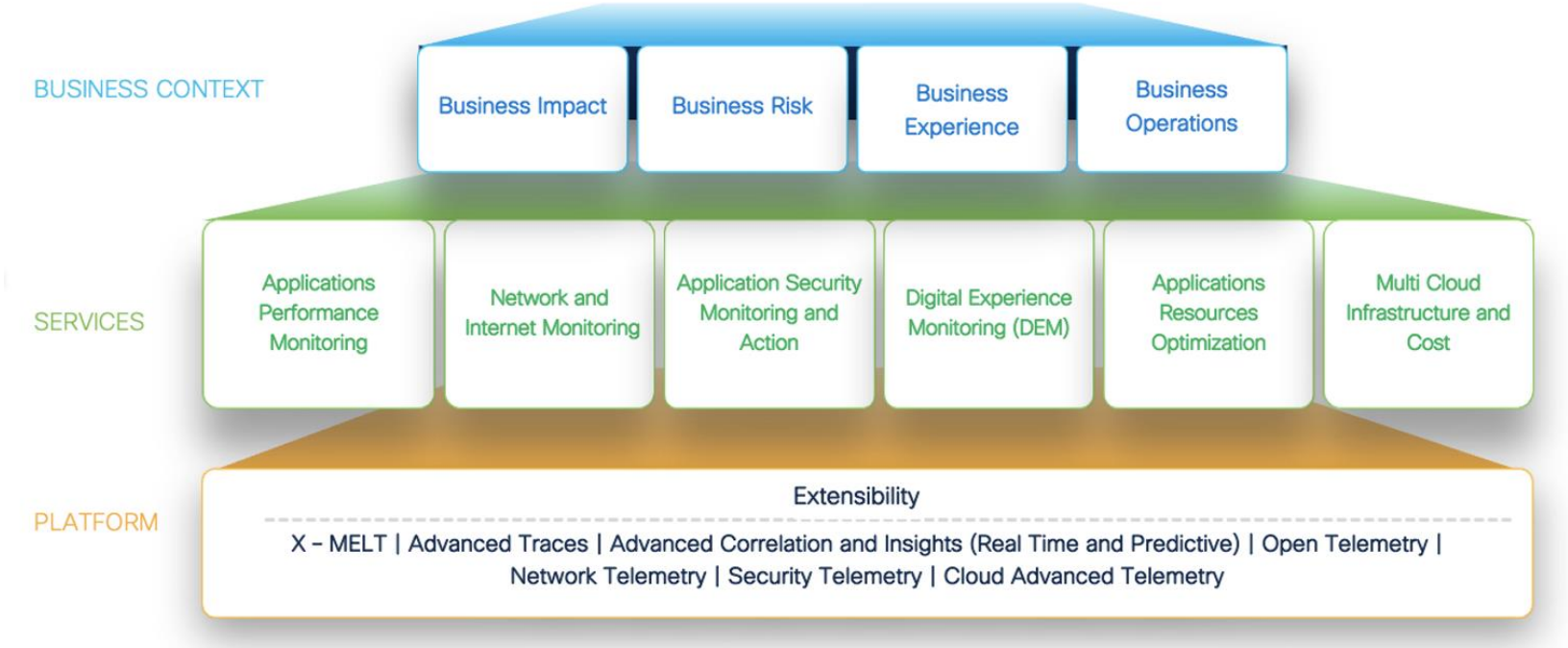
Cisco Full Stack Observability Architecture Foundation



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Cisco FSO Platform Extensibility

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App Exchange

Why Extensibility?

- The ecosystem is a huge competitive advantage
  - more features available to our users, ecosystems
- Provide a clean development model for
  - first-party apps - EUM, Secure App, etc
  - second-party apps - ThousandEyes, Intersight, etc
- Enable faster innovation cycles
  - teams can innovate faster with a clear platform model
  - no entanglement with core team and roadmap
- Enable Saas subscription model for a huge array of features

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Obligatory Iceberg slide!

AppDynamics, Cisco Built

3rd party

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Cisco FSO Platform Roadmap

- Currently in Tech Preview
- Training available now at Cisco Live Amsterdam
- General Availability at Cisco Live USA, June ‘23

- AppDynamics Cloud as the anchor app
- Enrichments available now
  - Opsani (Kubernetes workload profiler)
  - Replex (Kubernetes cost optimization)

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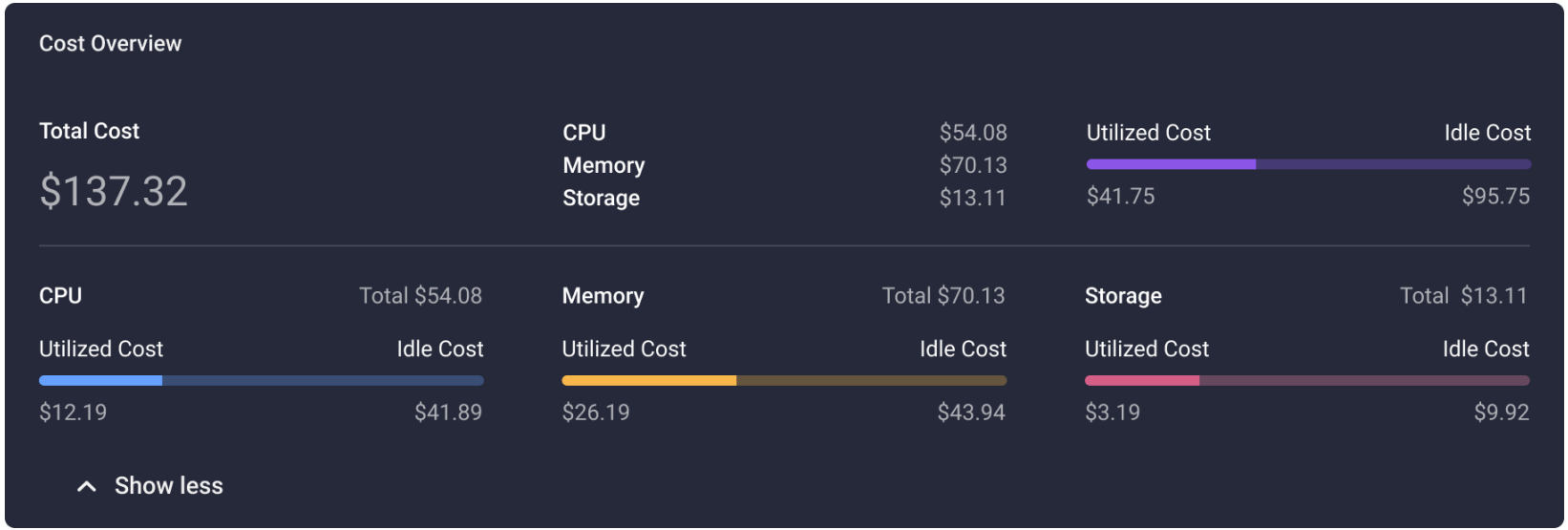
Example of enrichment: Replex cost optimization



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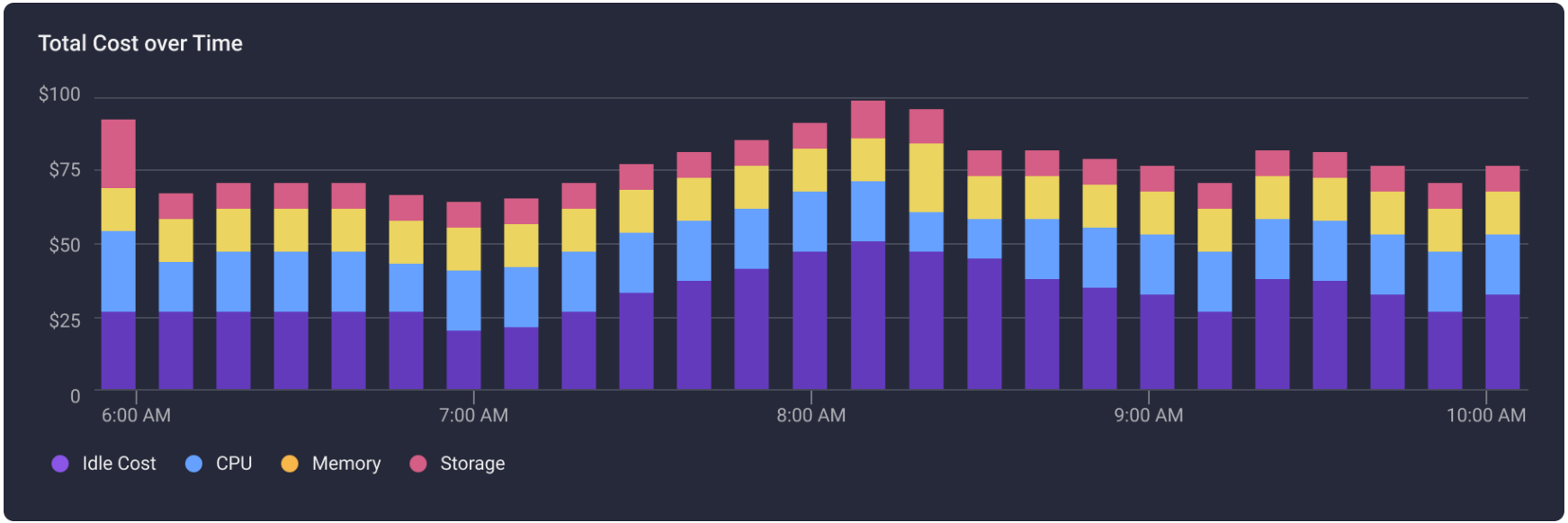
Total cost breakdown of entity, over time



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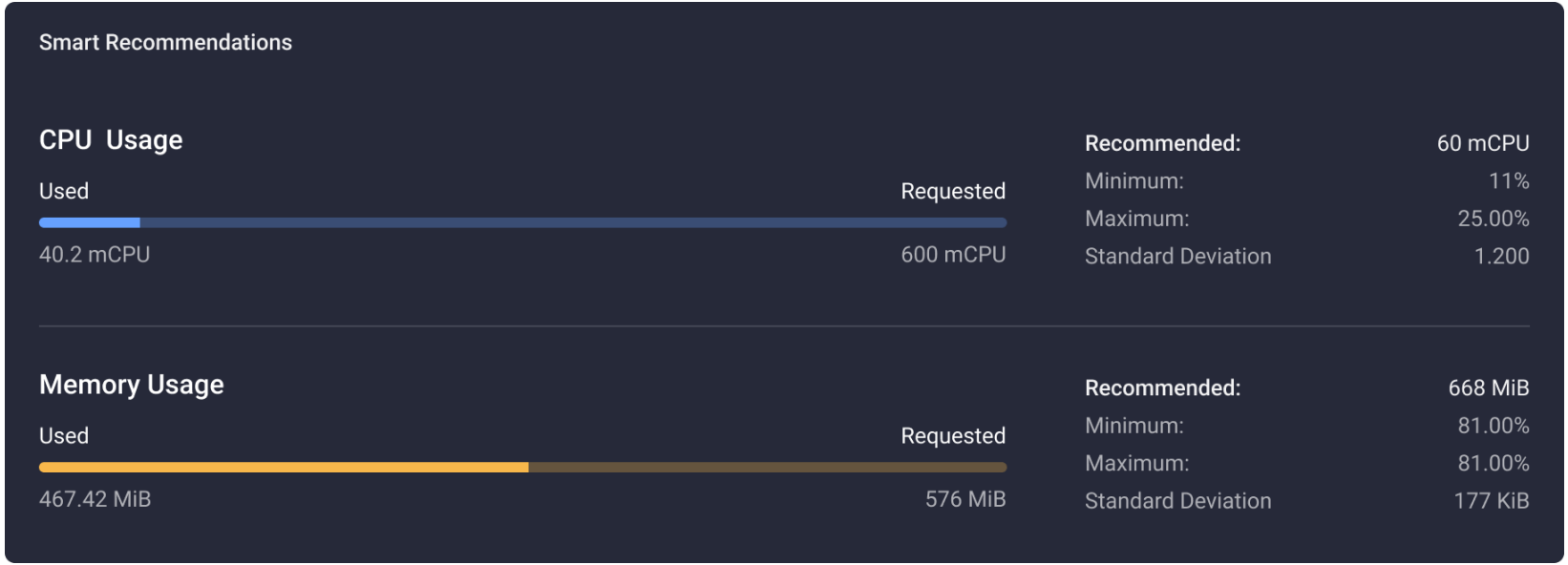
Smart Recommendations



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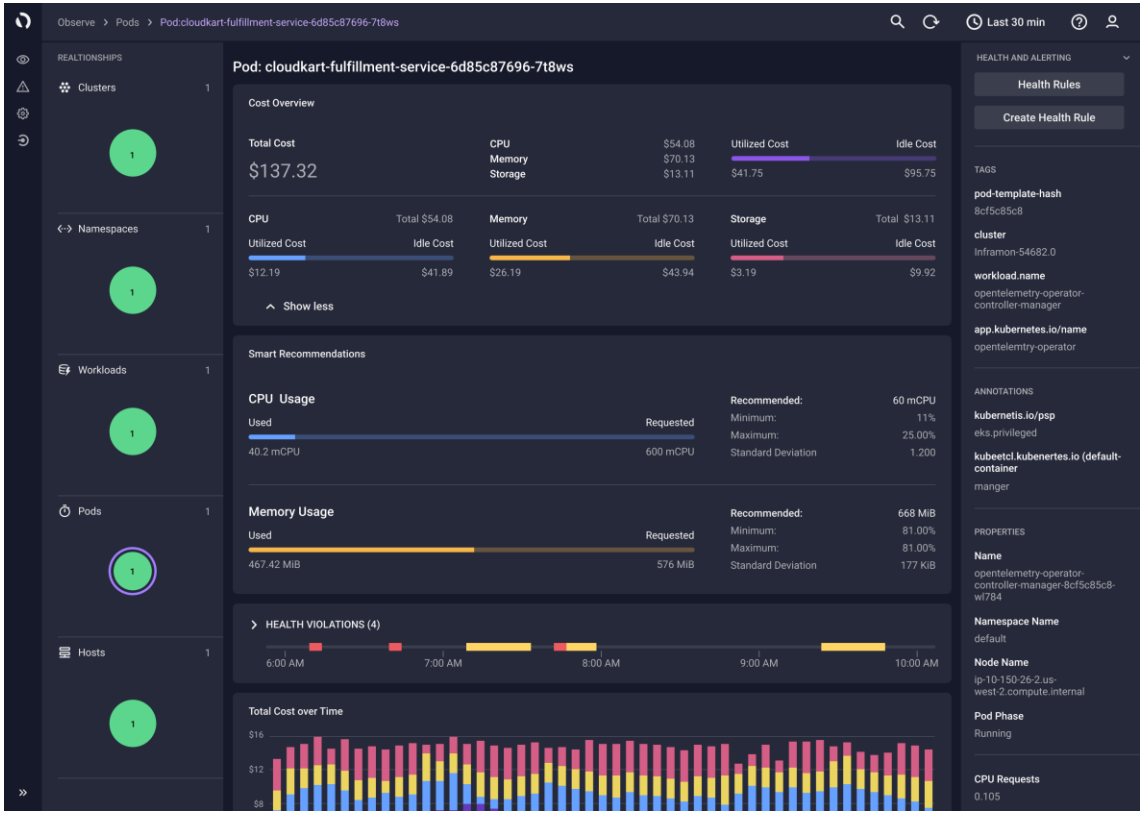
Introducing AppDynamics Cloud Extensible User Interface

AppDynamics Cloud Extensible User Interface



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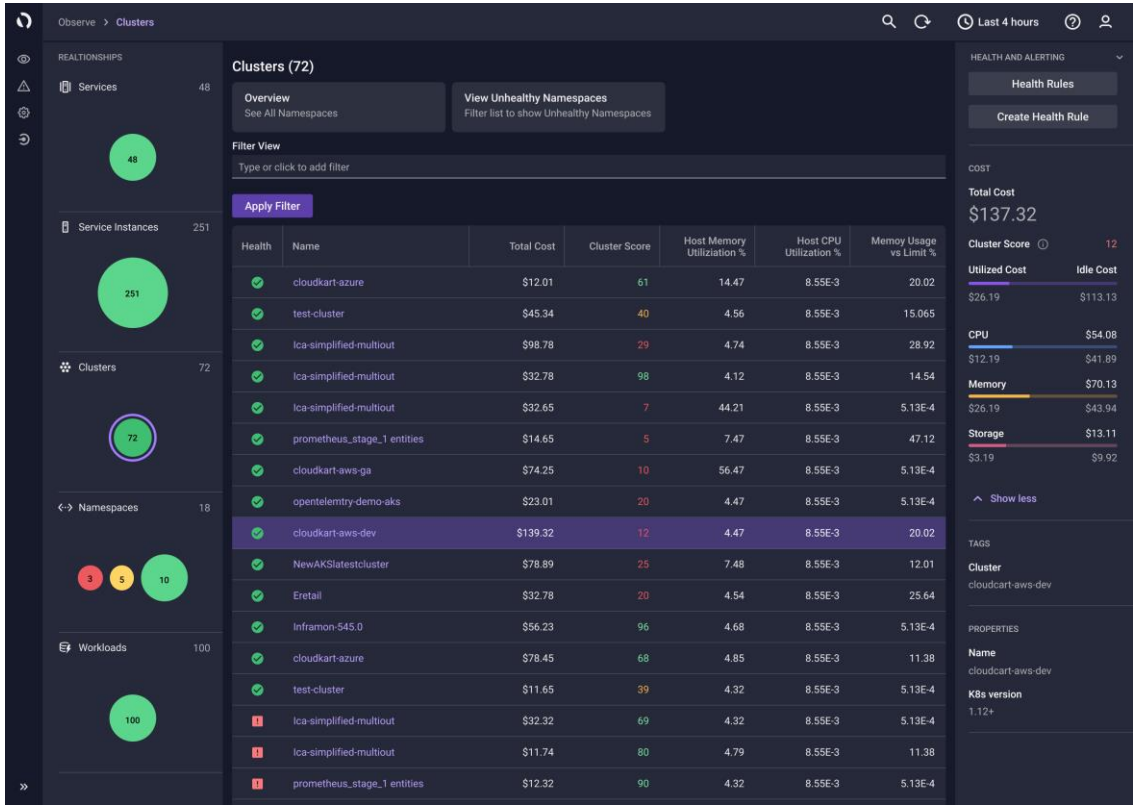
Example: extension to entity list and details panel



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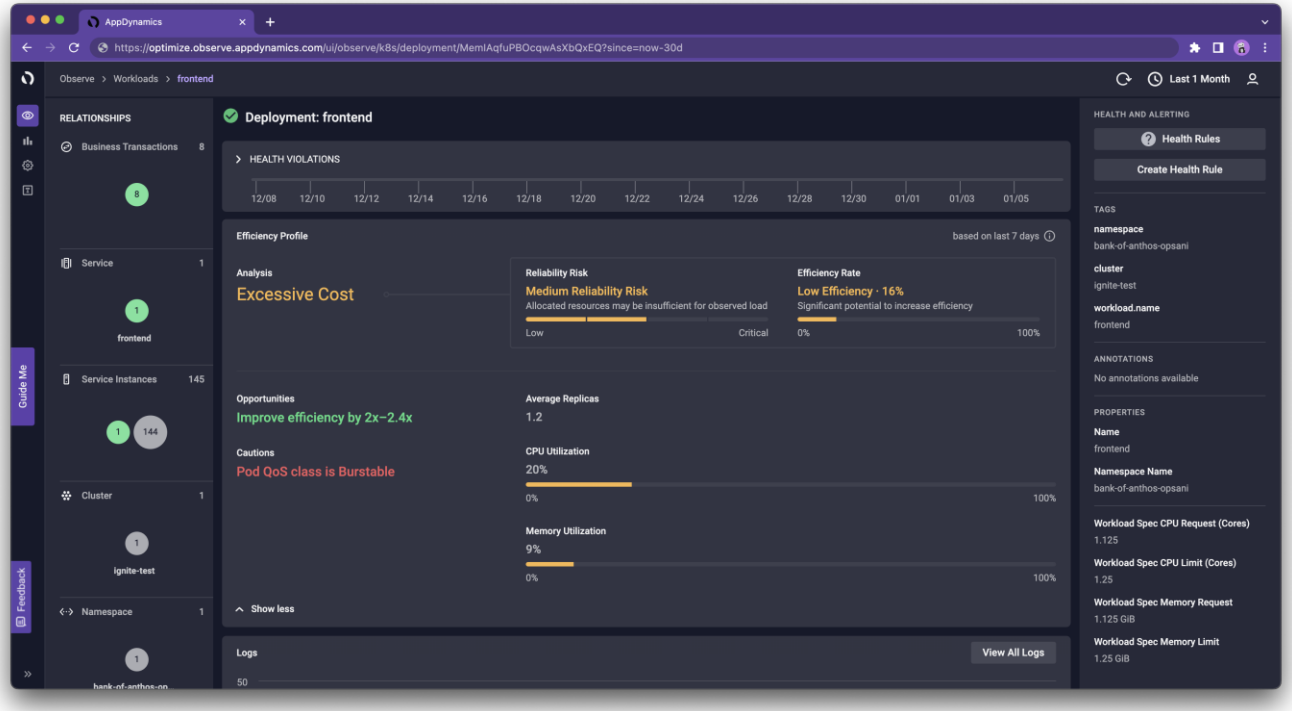
Example: Extension to entity page



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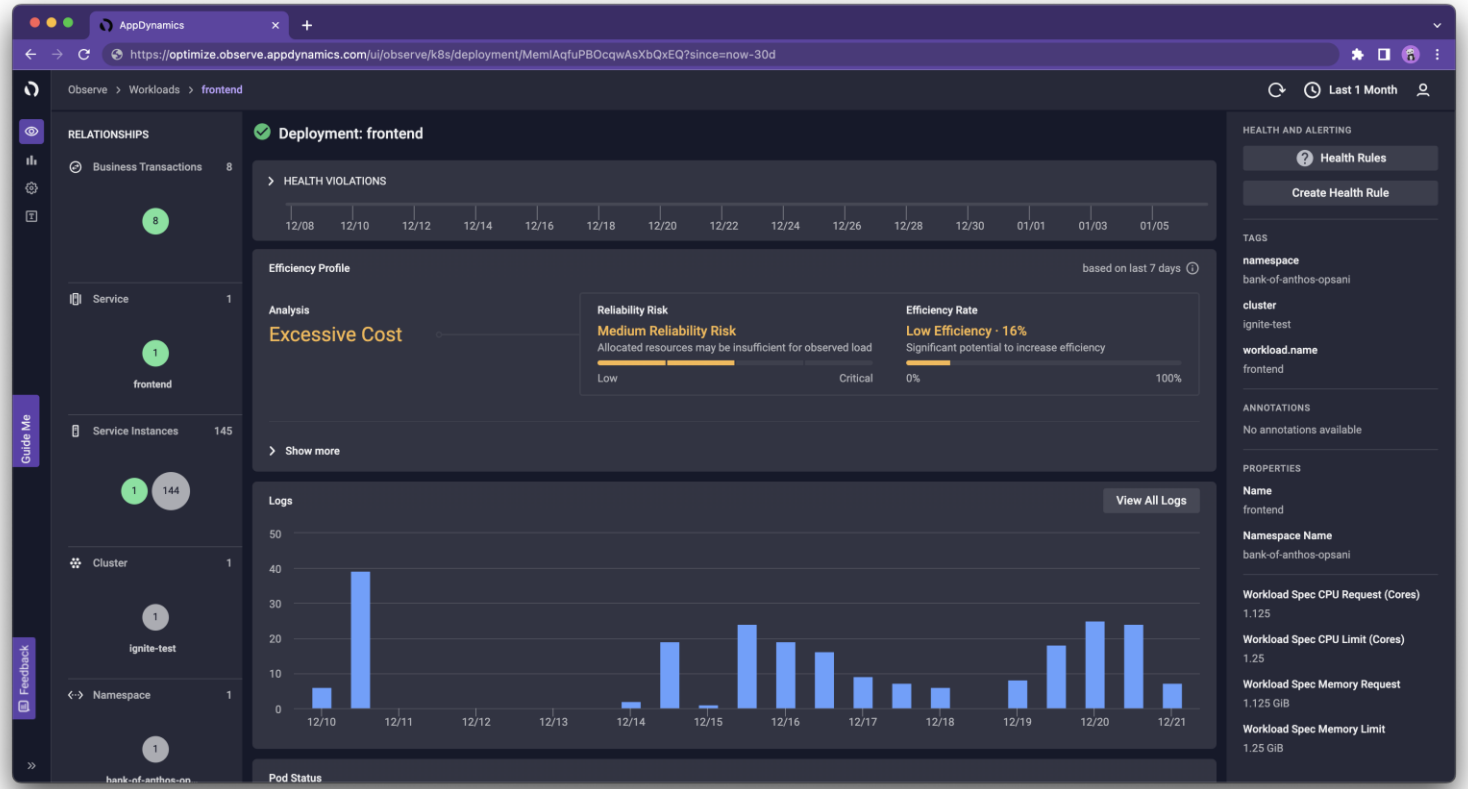

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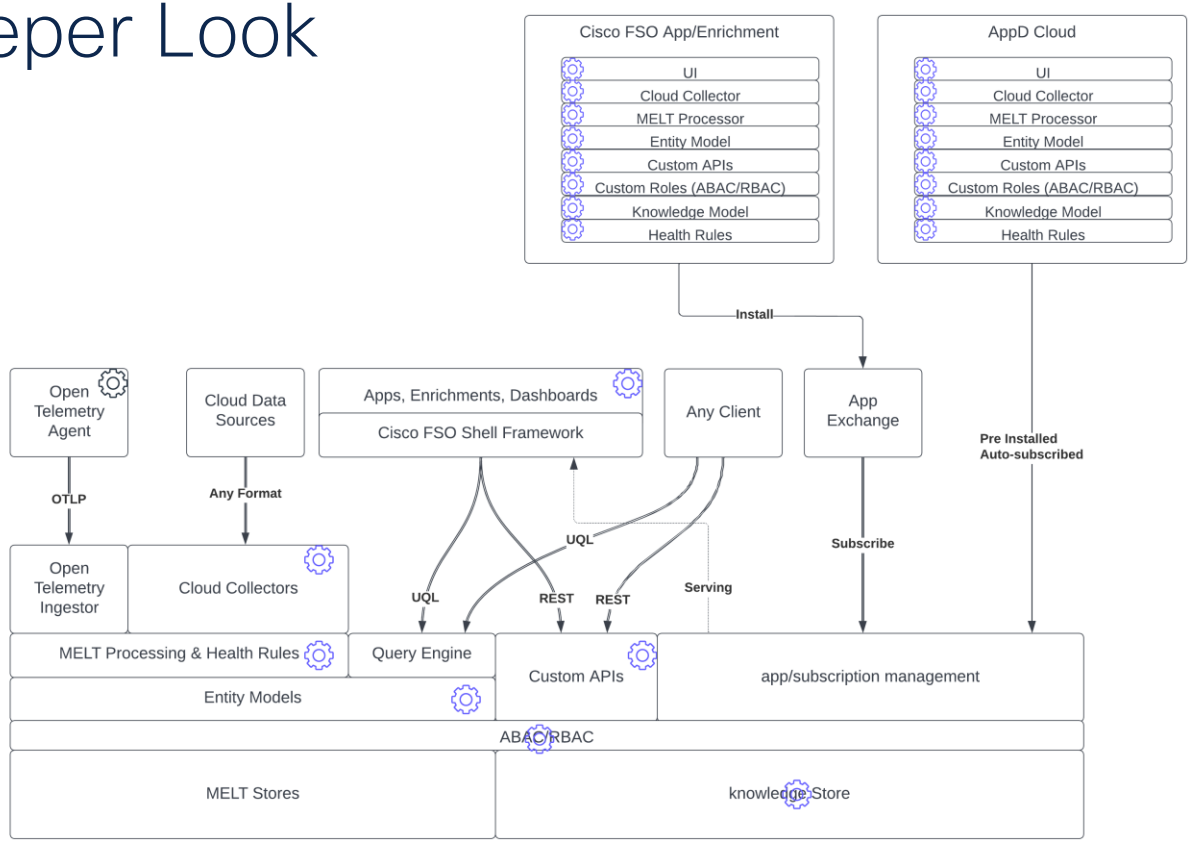
A Deeper Look



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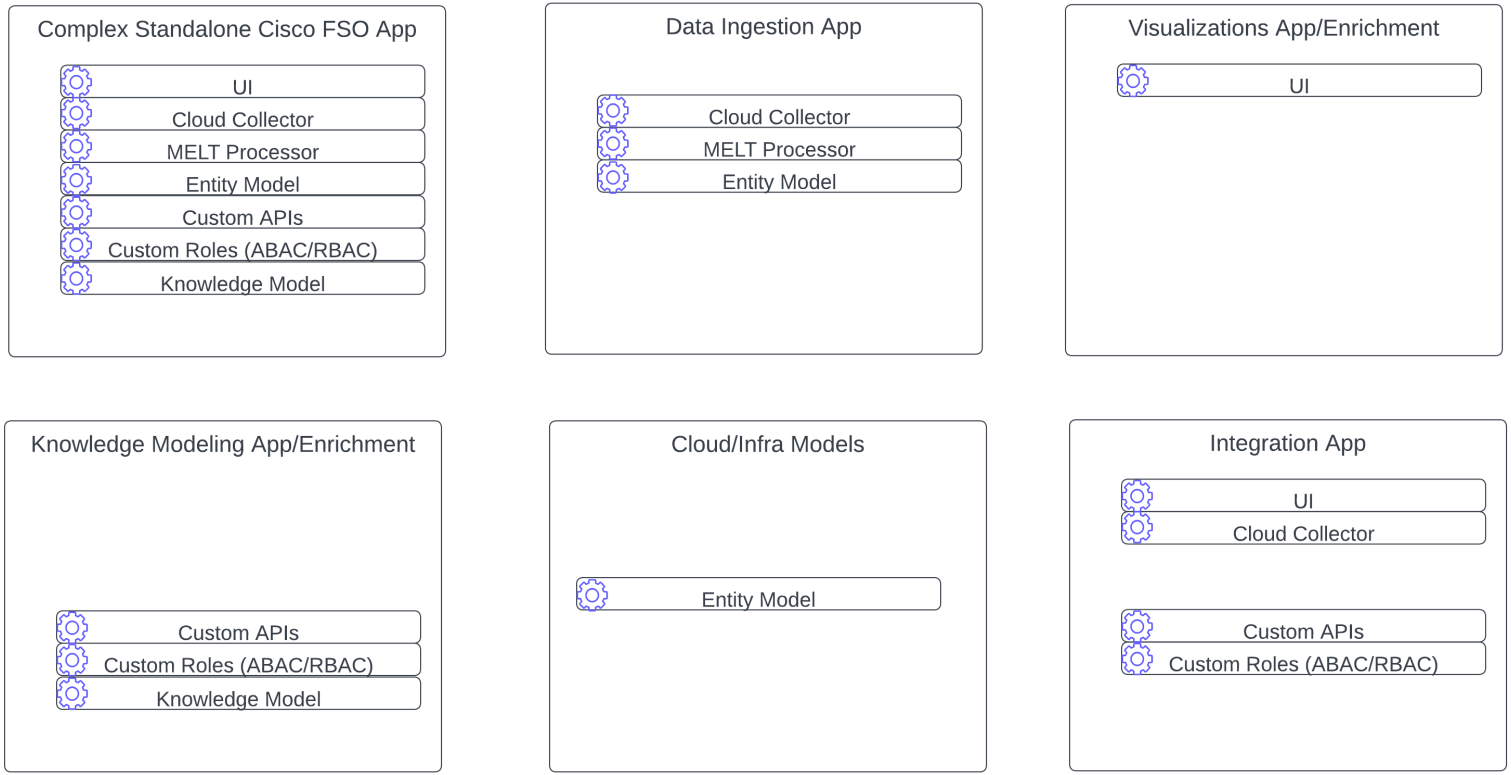
Comprehensive Solution Model



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Solution Packages

- ***Solution Package*** – a collection of platform components packaged as a zipfile

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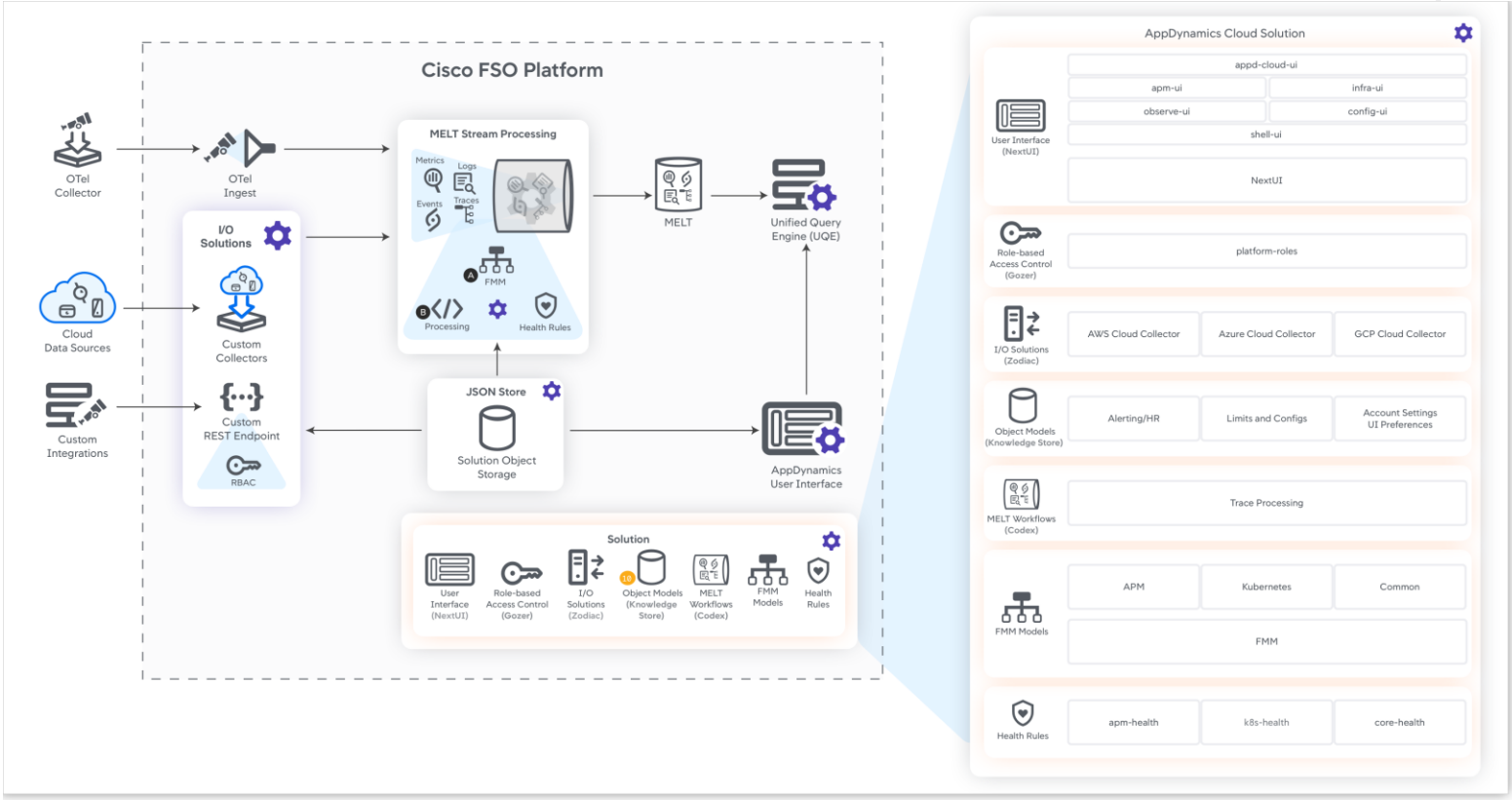
AppD Cloud: a complete application on FSO Platform



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Attend these sessions on Cisco FSO Platform

Would You Be Mine? Could You Be Mine? Won't You Be My Data? - BRKAPP-2614

Tuesday, Feb 7, 3:30 PM - 4:30 PM CET

Did you catch these?

Building Observability Solutions on the FSO Platform - LTRAPP-2682

Tuesday, Feb 7, 8:30 AM - 12:30 PM CET

Full-Stack Observability: The HOW! - BRKCLD-2759

Wednesday, Feb 8, 11:30 AM - 12:30 PM CET

Sustainable digital transformation leveraging Full-stack Observability - BRKAPP-1028

Thursday, Feb 9, 12:00 PM - 1:00 PM CET

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The bridge to possible

Thank you

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ALL IN