

CISCO *Connect* Brasil

ALL IN

Empower a new observability ecosystem

Cisco Full Stack Observability
Platform and AppDynamics
Cloud

Sunny Dua, Director of Product Management
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Who am I?



Sunny Dua, Director of Product Management

Cisco Full Stack Observability Platform and AppDynamics Cloud

Twitter - @sunny_dua

LinkedIn - /in/duasunny/

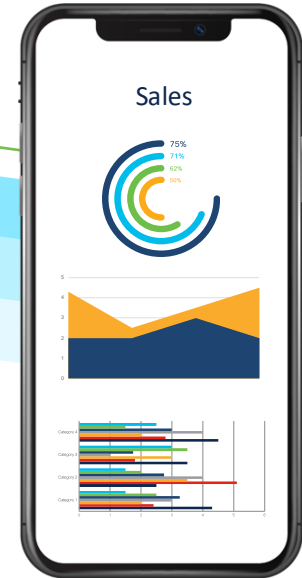
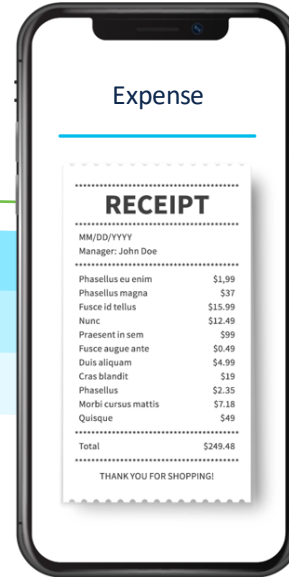
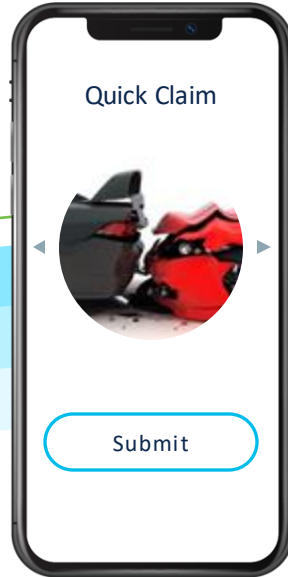
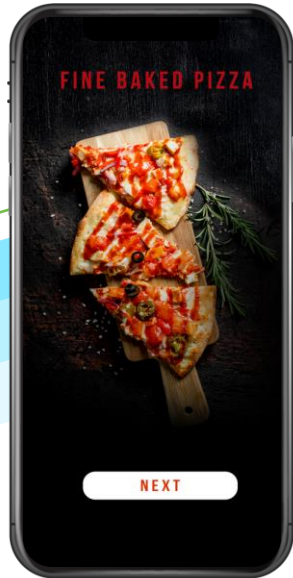
Blog - <https://sunnydua.com>

Before Cisco - VMware, Hewlett Packard, Capgemini

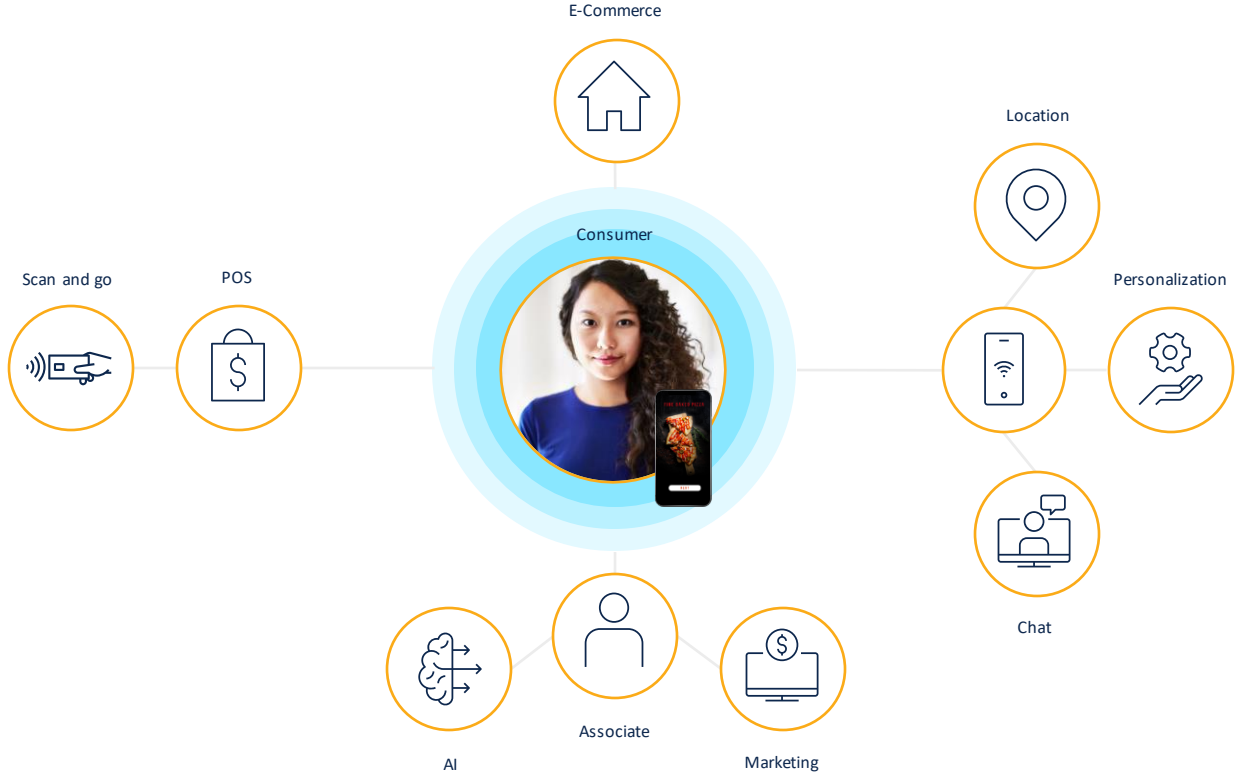
20+ yrs. into - Consulting, Solution Architect and Product Management



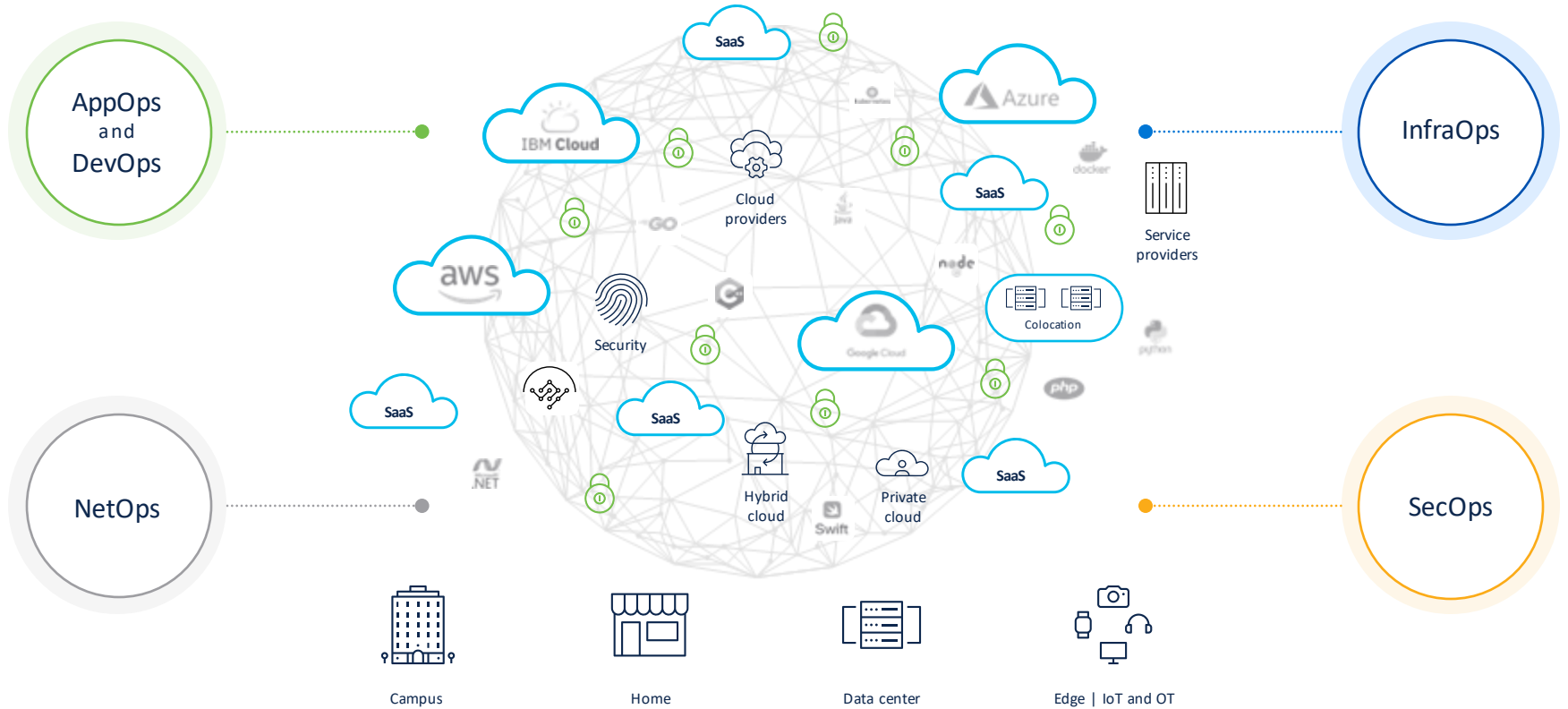
Applications are the front door



...to an evolving and expanding digital experience



Islands of operations are inefficient and ineffective



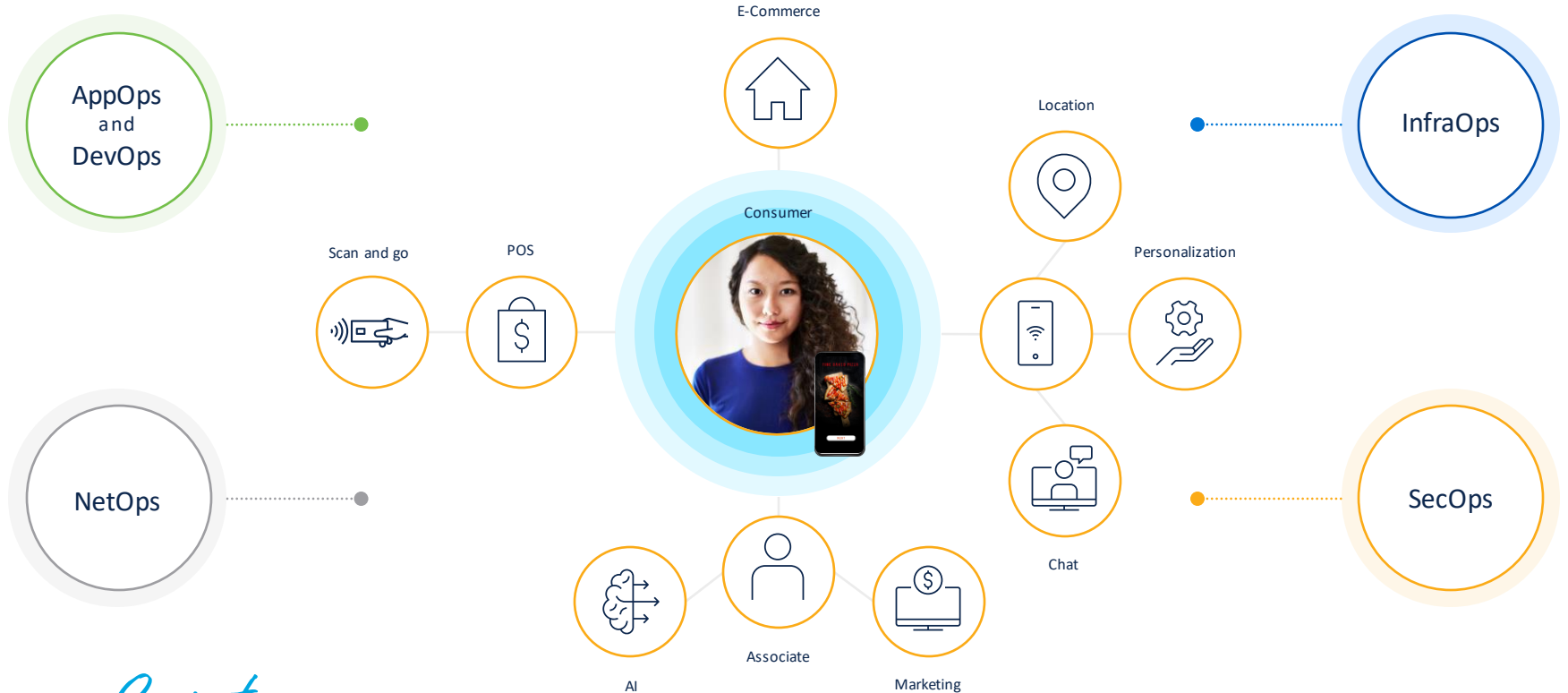
There is no **business context**



You need to see more to solve more.

Your teams need to see the full stack of available data

Business context across the digital experience



Full-Stack Observability

Builds on monitoring and visibility, and adds business context

Full-Stack Observability

Multiple domains and cross-functional teams

Business context and Impact
Real-time, distributed and hybrid apps
Issues and Incident remediation

Cross-domain full MELT and **security**
Cloud and Edge native

DevOps and SRE
KPI: SLO with business context, insights
driven actions/automation,

Visibility/Observability

Per domain/team

Active and modern apps
Root Cause Identification

Telemetry based (MELT) subset
Tools sprawl, some integrations

KPI: performance, experience

Monitoring

Per domain/team

Passive and traditional apps
Health and reporting

Events sampling
Dashboards/views

KPI: Availability, capacity

How can
Cisco help?

Cisco Full-Stack Observability



Full-Stack Visibility

Observable
and optimizable
technology stack



Full-Stack Insights

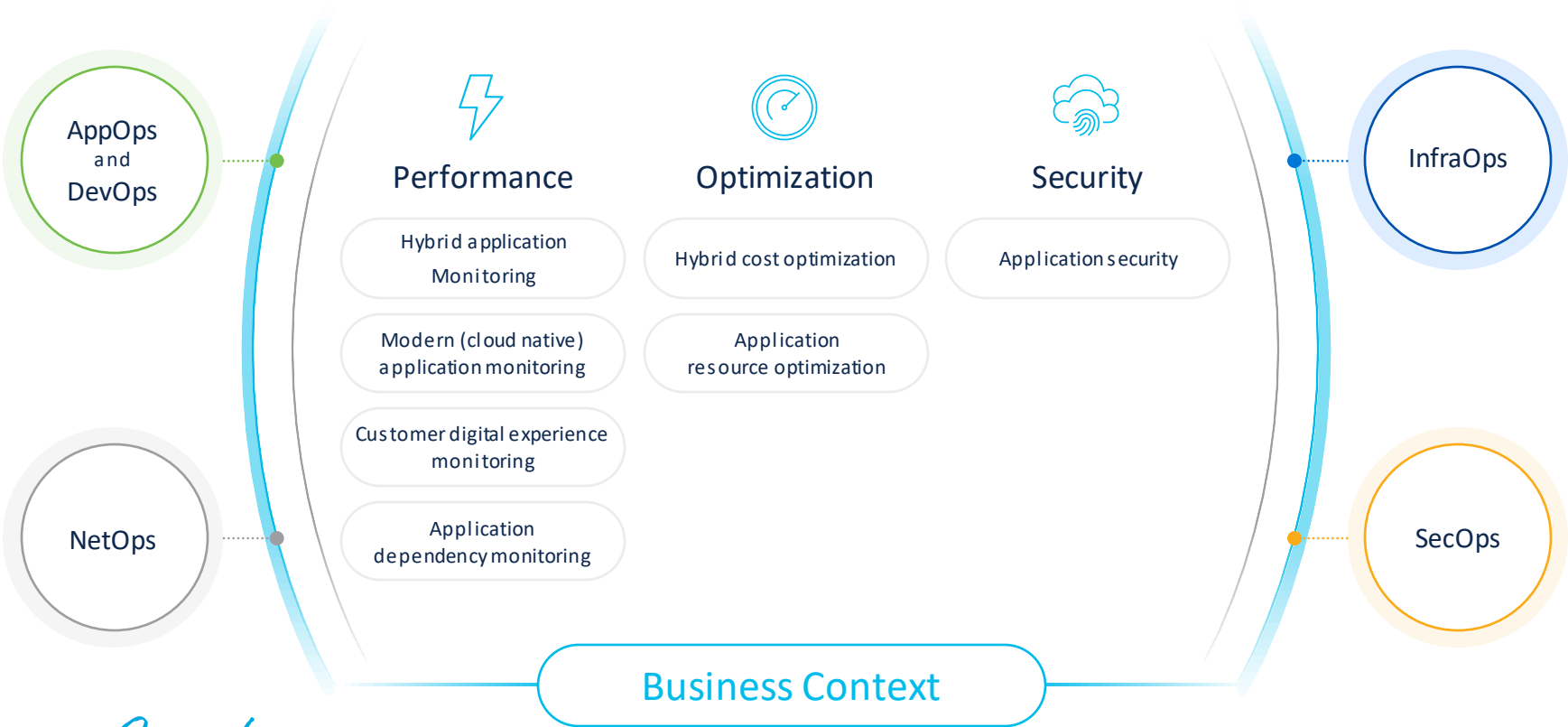
Application and business
insights
across stack



Full-Stack Actions

Prioritized remediations
and optimizations
across stack

Cisco Full-Stack Observability Use Cases



“LAUNCHED AS A TECH PREVIEW AT CISCO LIVE Feb 2023!!!”

Powered by Cisco Full Stack Observability Platform

Cisco FSO Platform

High scale and
performant

Provides unified
experiences

Ecosystem
driven

Developer Ready



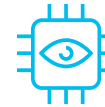
Entity-Centric
Relationship Model



Across-M.E.L.T.
Metrics, Events, Logs, Traces



Standards-Driven
OpenTelemetry Leadership



AI & ML-Powered
Root Cause Analysis

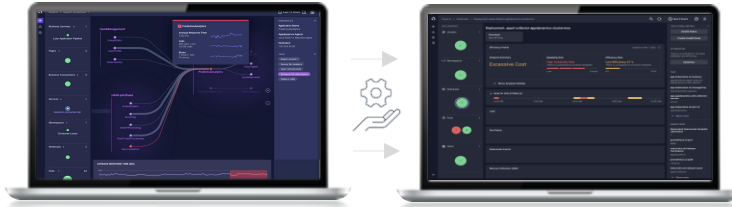


Cloud Scale
Cloud Native Architecture

Build and extend solutions with Cisco FSO Platform

Apps /
Solutions

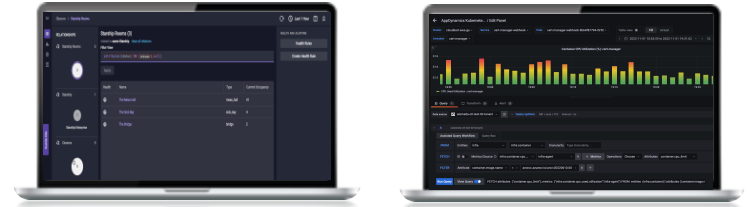
Extend existing solutions



AppDynamics Cloud

Hybrid Cost Optimization

Build new solutions



Space Fleet

Opensource Grafana

Platform

Cisco FSO Platform

Build for developers with

Developer Tools

Platform APIs

Extensible UI

Code Samples



Entity-Centric
Relationship Model



Across-M.E.L.T
Metrics, Events, Logs, Traces



Standards-Driven
OpenTelemetry Leadership



AI & ML-Powered
Root Cause Analysis



Cloud Scale
Cloud Native Architecture

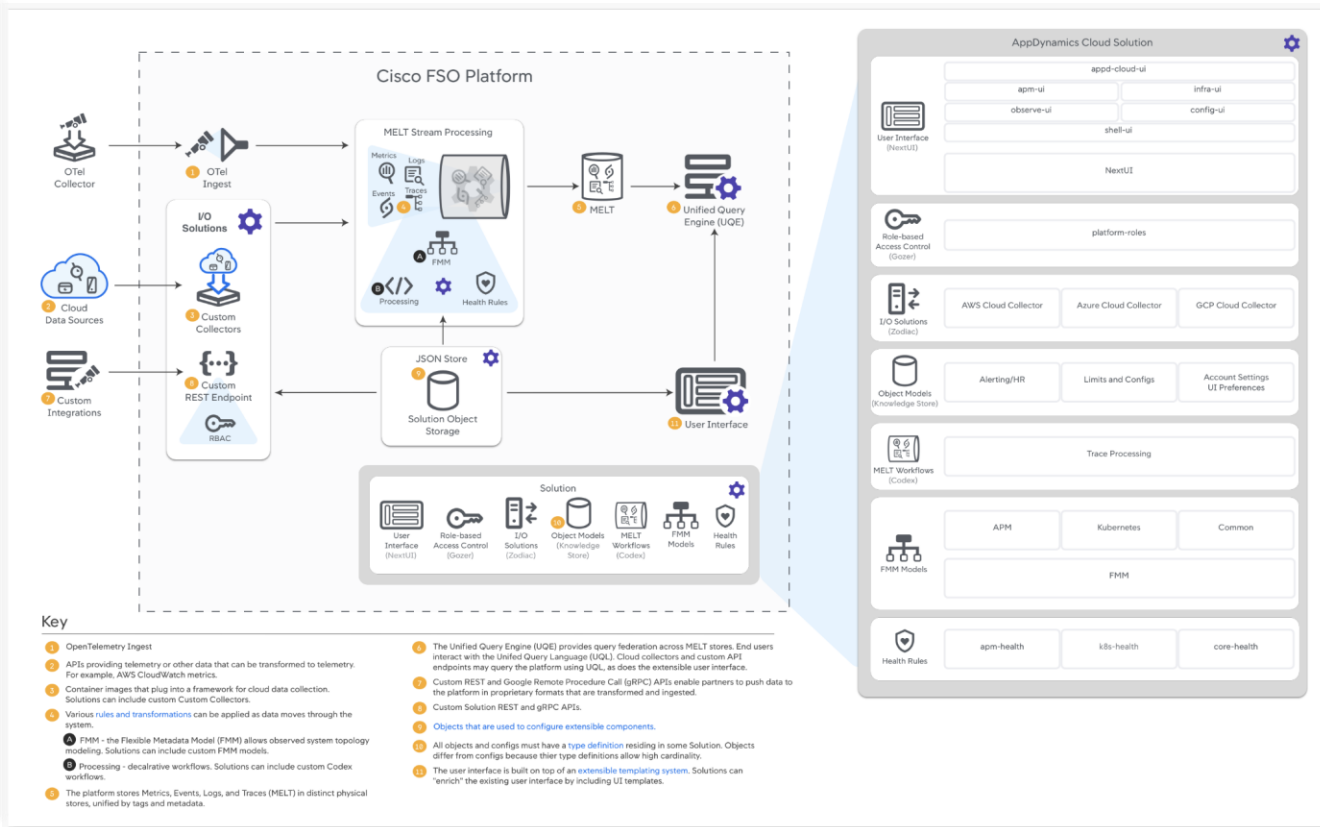
Cisco FSO Platform Solution Components

Anatomy of a Solution

An FSO Solution consists of the following components:

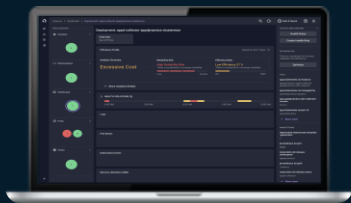


Cisco FSO Platform High-Level Architecture

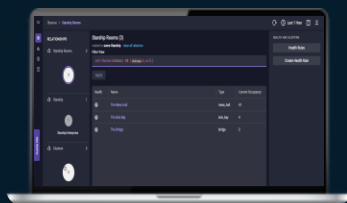




AppDynamics Cloud



Hybrid Cost Optimization



Space Fleet



Opensource Grafana

AppDynamics Cloud



Purpose-built for observing cloud-native architectures at scale



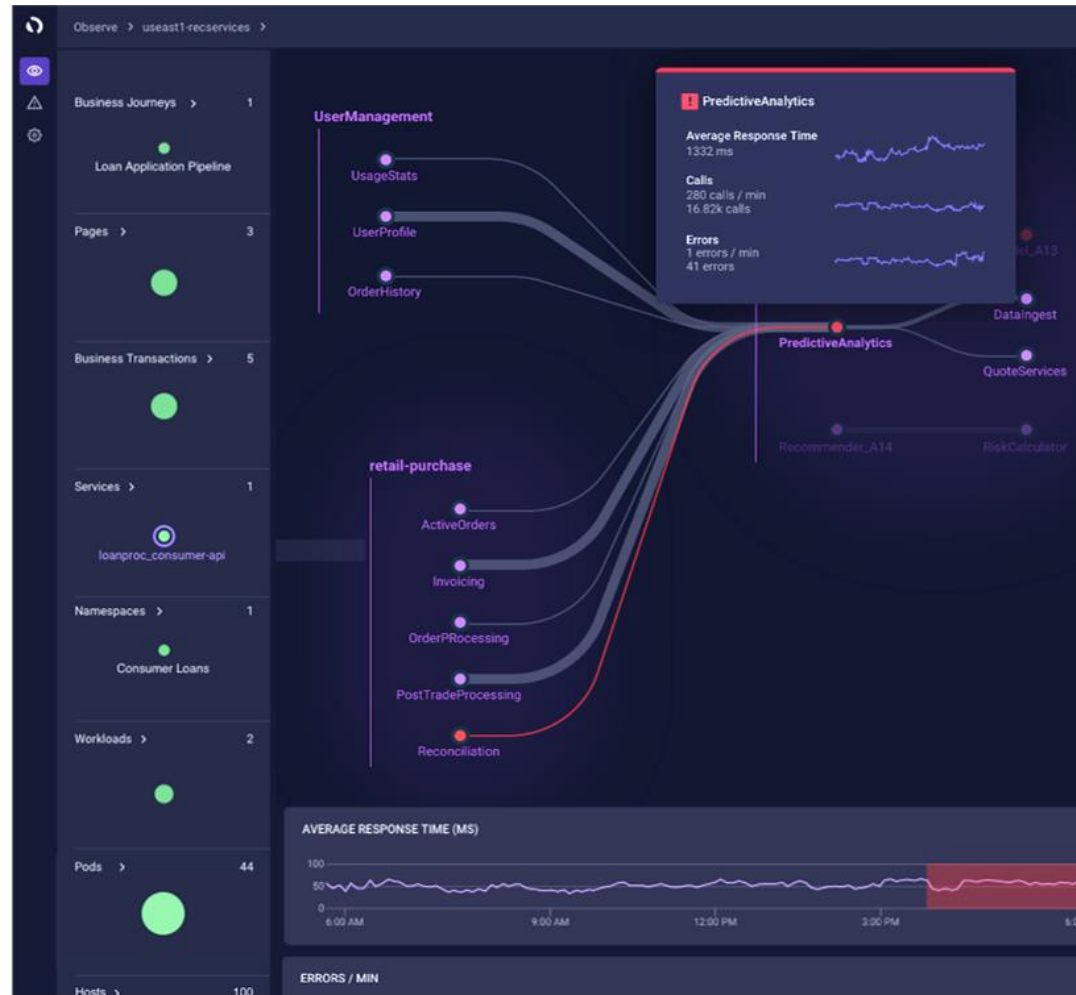
Correlated full-stack visibility across all domains and data types



Open standards-based extensible platform

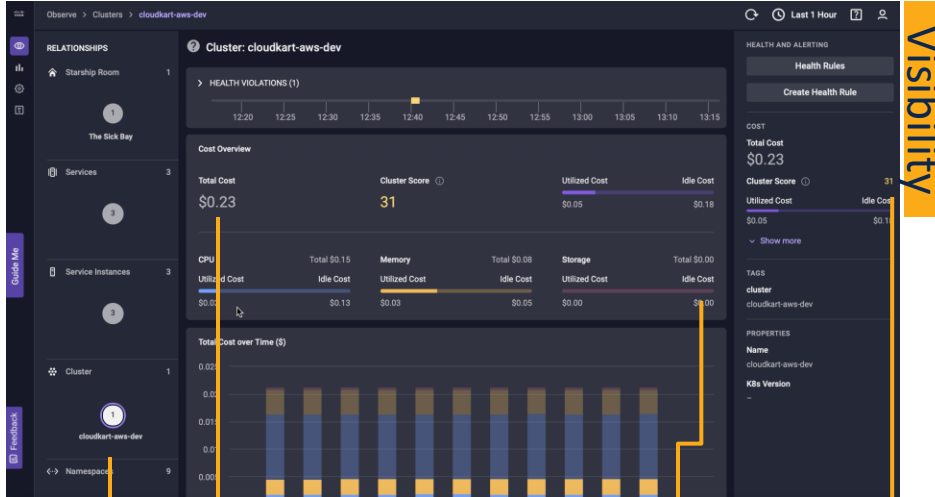


AI/ML driven insights



Hybrid Cost Visibility & Optimization

Extending AppDynamics Cloud with Cost Visibility and Optimization

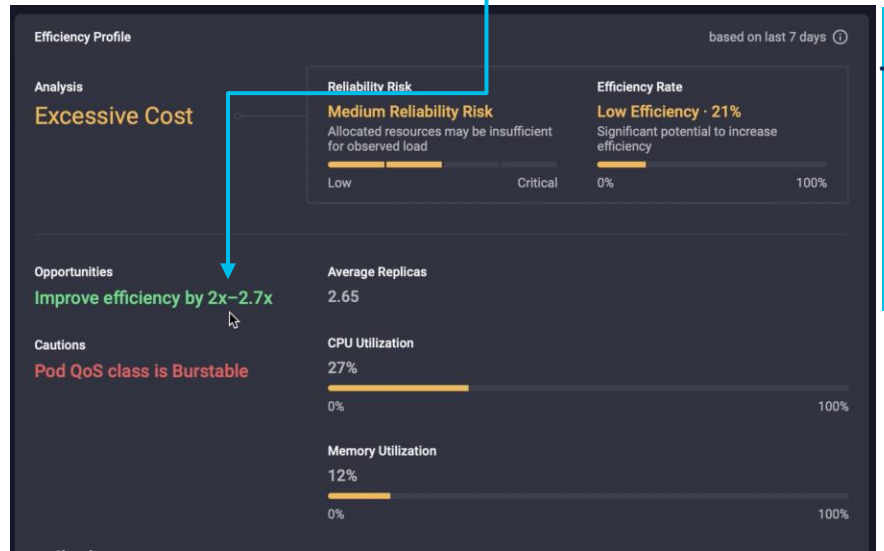


Fully Correlated Topology

Cost Visibility

Wastage Visibility

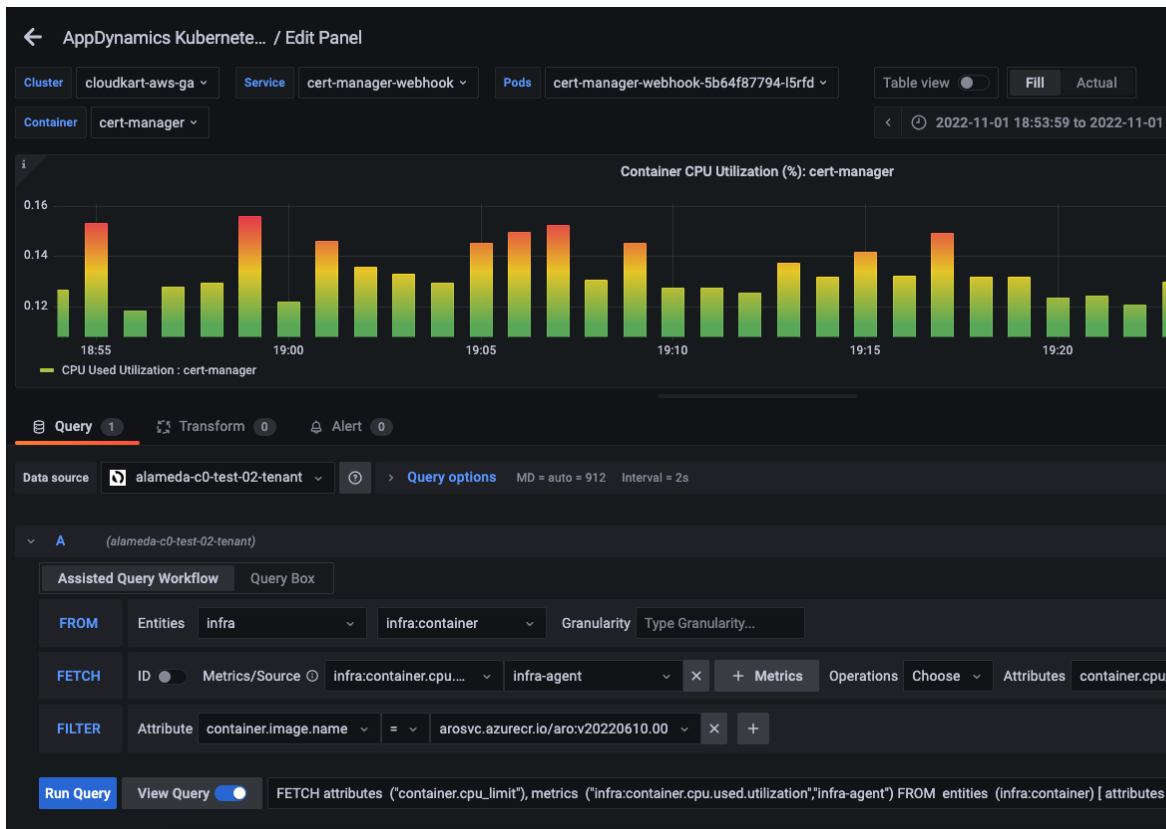
Optimize to Improve Efficiency & Performance



Open Source Grafana Integration

Create custom dashboards leveraging Unified Query Language API.

- Installable plugin for Grafana creates a secure connection
- Assisted query workflow enables easy widget building with UQL
- Drill-down from Grafana into AppDynamics Cloud for deeper M.E.L.T. analysis
- Sample dashboards provides quick start reference widgets





The bridge to possible

Thank you