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The bridge to possible

Mesh with your cloud native event driven application

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PSOETI-2110

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Agenda

- Introduction
- Event driven applications & Apache Kafka
- Service Mesh
- Bringing them together with Calisti
- Product demo

There's an app for
EVERYTHING

500 million
new apps by 2023

30% increase in daily
use of apps in 2021 vs. 2
years ago

4.8 hours
per day spent on mobile apps



Introduction

- Event driven applications – what and why?

Introduction

- Event driven applications – **what** and why?
 - An application that responds to an event
 - Examples of events:
 - Visiting a website
 - Sending sensor information
 - Collecting logs from a device

Introduction

- Event driven applications – what and why?
 - More scalable
 - Better fault tolerance
 - Increases developer velocity

What's Apache Kafka?

Apache Kafka is an open source, distributed event store and stream-processing platform

What's it used for?

- Website core operations
- Real-time app updates
- Customer 360
- IoT sensor ingestion
- Online fraud detection
- Faster transactional processing (including AI/ML)
- Real-time analytics

Service Mesh

A service mesh is an infrastructure layer that provides functionality to secure, observe and perform traffic management for microservices.

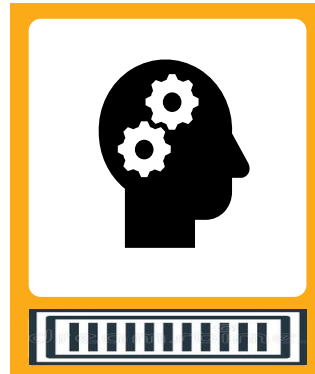
Microservice Common Functions



Microservice Common Functions

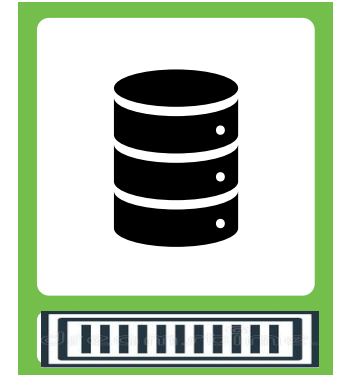


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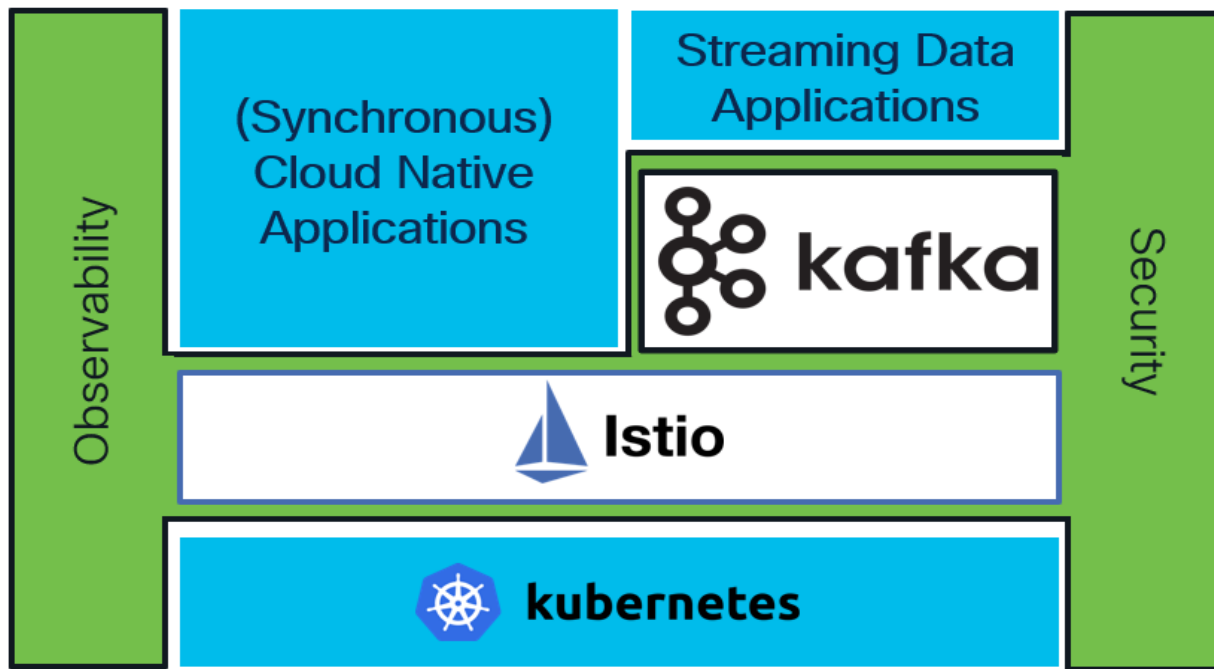
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Bringing them together – with Calisti

- Secure connectivity – mTLS out of the box
 - Across all kafka components
 - Including client applications
- Integrated observability
 - Prometheus-based monitoring, alerts
 - Extended kafka protocol level metrics without modifying clients or brokers
- Gitops integration

How Calisti Ties It All Together





Sign Up, It's Free

- An enterprise-ready Istio and Apache Kafka platform
- Manages microservices connectivity & observability
- Provides out of the box mTLS encryption
- Automates application lifecycle management
- Tracks Service Level Objectives (SLOs)
- Integrates with existing CI/CD tools such as ArgoCD and observability tools such as Prometheus, Grafana, Jaeger
- Enables multi-cloud & hybrid deployments across AWS, Azure, GCP, OpenShift and on-premises



Free offer includes:

- Supports up to 10 nodes, across 2 clusters
- No credit card required
- No time restriction

Product Demo

Summary

- Calisti simplifies Apache Kafka management by leveraging Istio service mesh
- Calisti provides secure connectivity, integrated observability and manageability of all your microservices applications, including Apache Kafka
- CLI and GitOps for seamless operations

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The bridge to possible

Thank you

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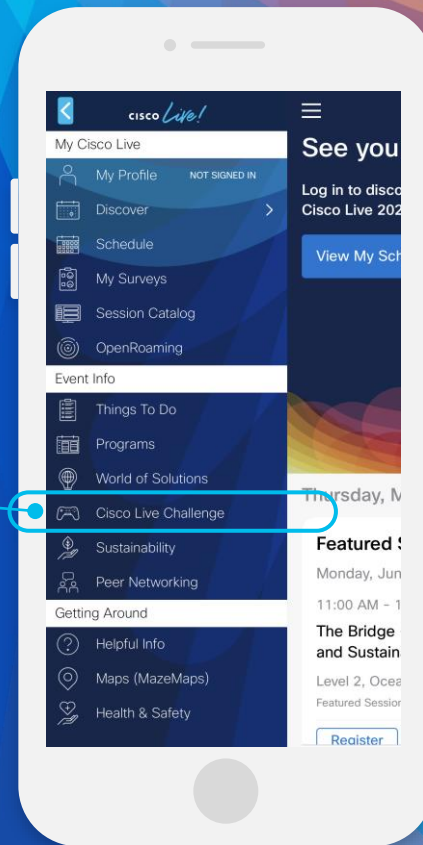
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