

# Buoyant on Service Mesh

Apache SkyWalking, Istio and Envoy

Hongtao Gao  
tetrade.io

# Glance of Service Mesh

# Infrastructure of MicroService

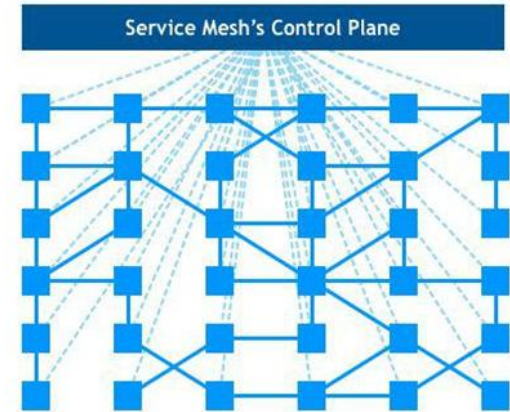
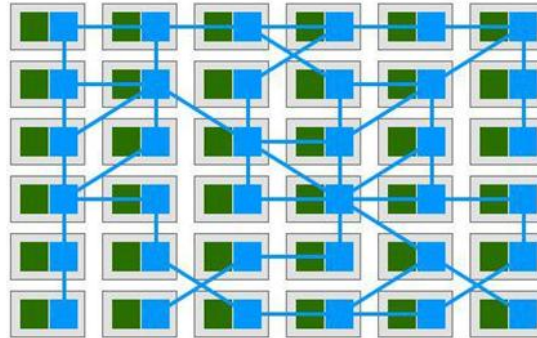
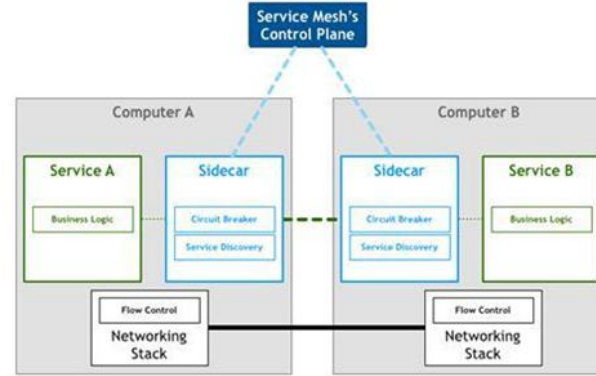


# Virtual Service

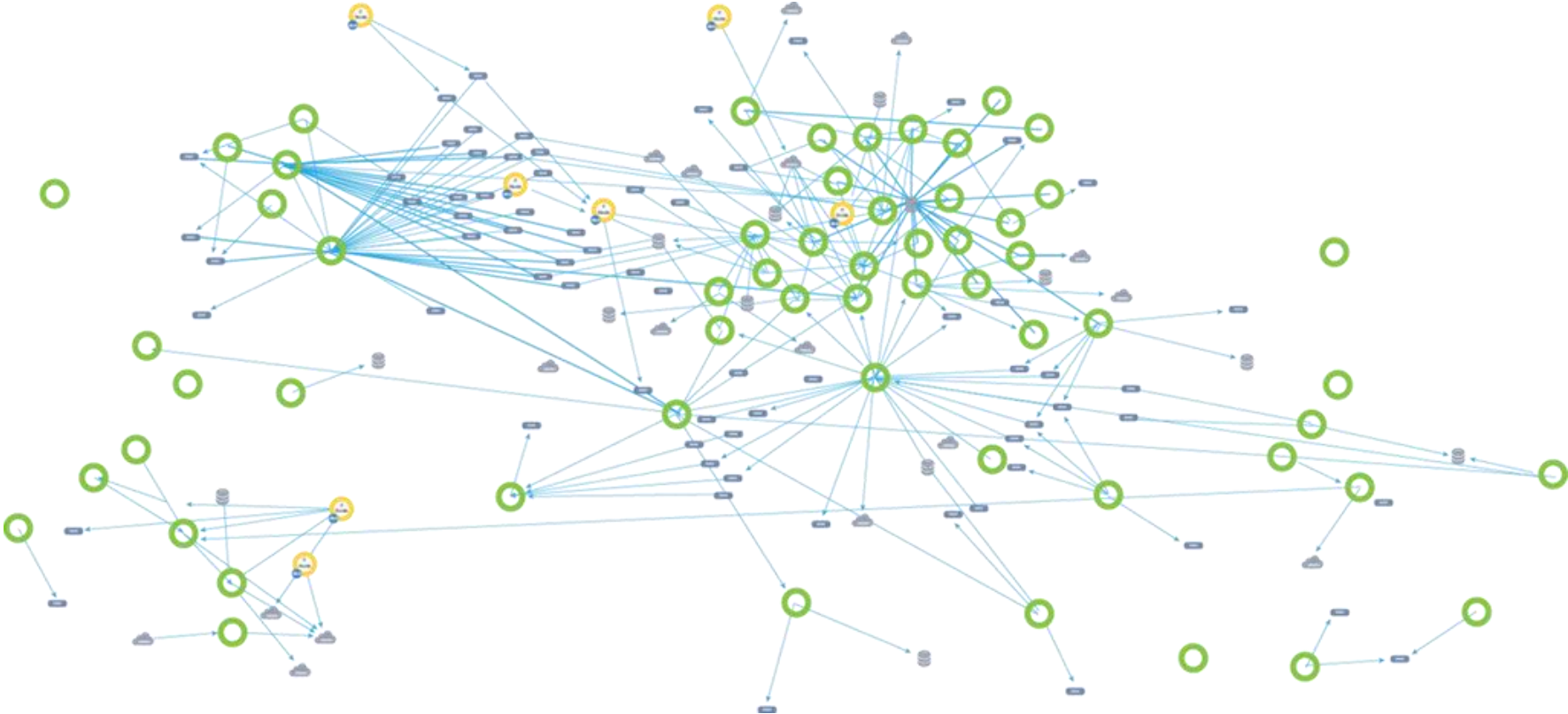
Traffic Control

Resilience

Security



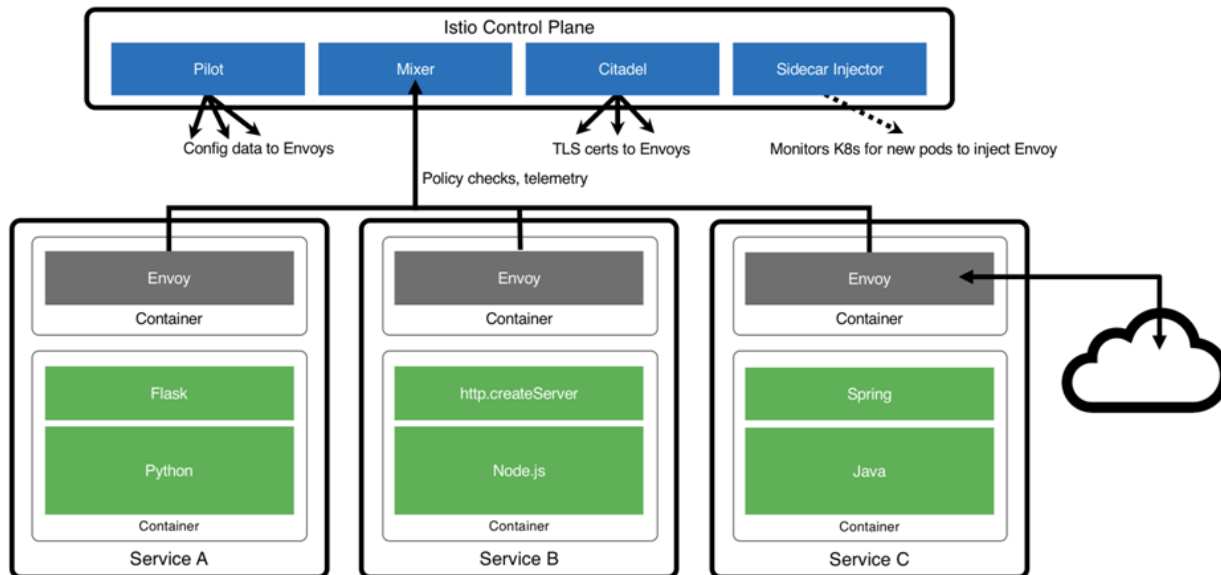
# Real World



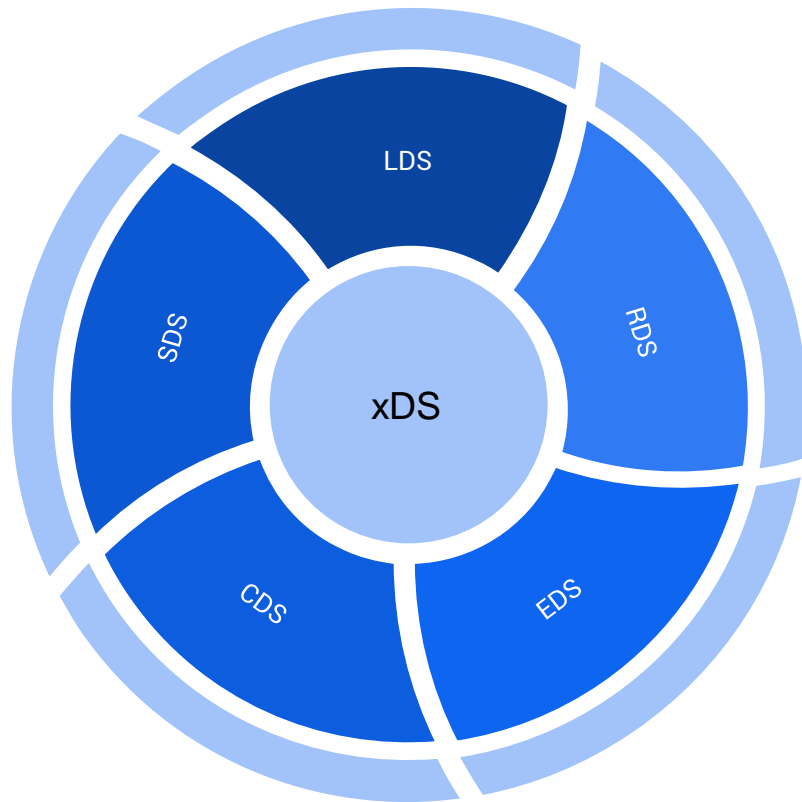
# Istio and Envoy

# Architecture

## Managing Microservices With Istio

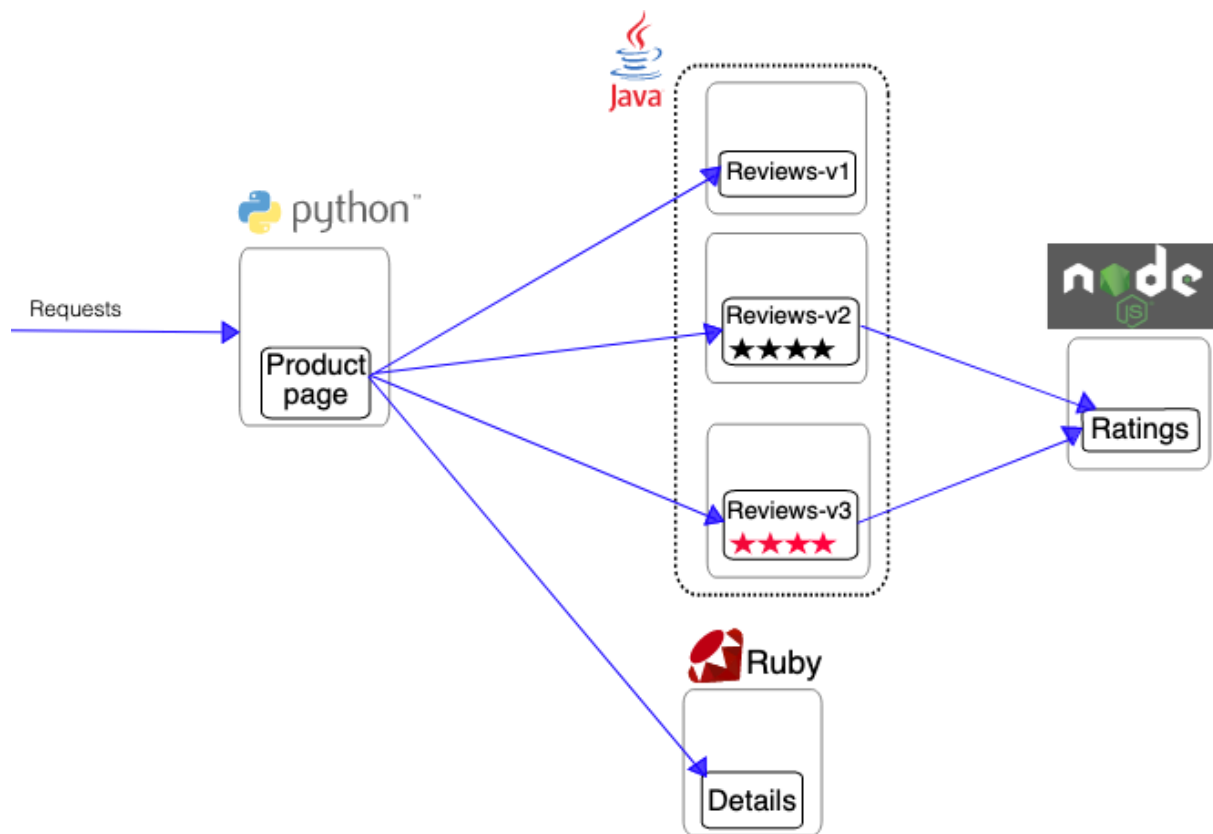


# Envoy





# Observe Istio



BookInfo

# Mixer

Mixer Out of Process Adapter + SkyWalking Mixer receiver

# Observe Envoy

# Metric

Metric service + SkyWalking Envoy Receiver

# ALS(WIP)

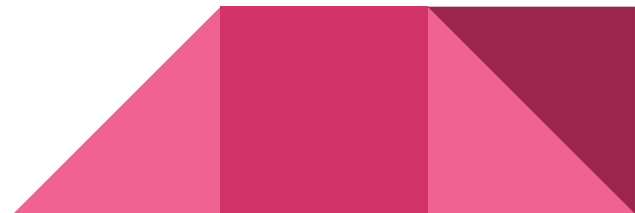
Access Log Service(gRPC) + alsHTTPAnalysis



Future

# Trend

1. Removing mixer
2. Mesh + Tracing
3. TCP
4. Database mesh
5. Linkerd, SofaMesh, DubboMesh...





Q&A

