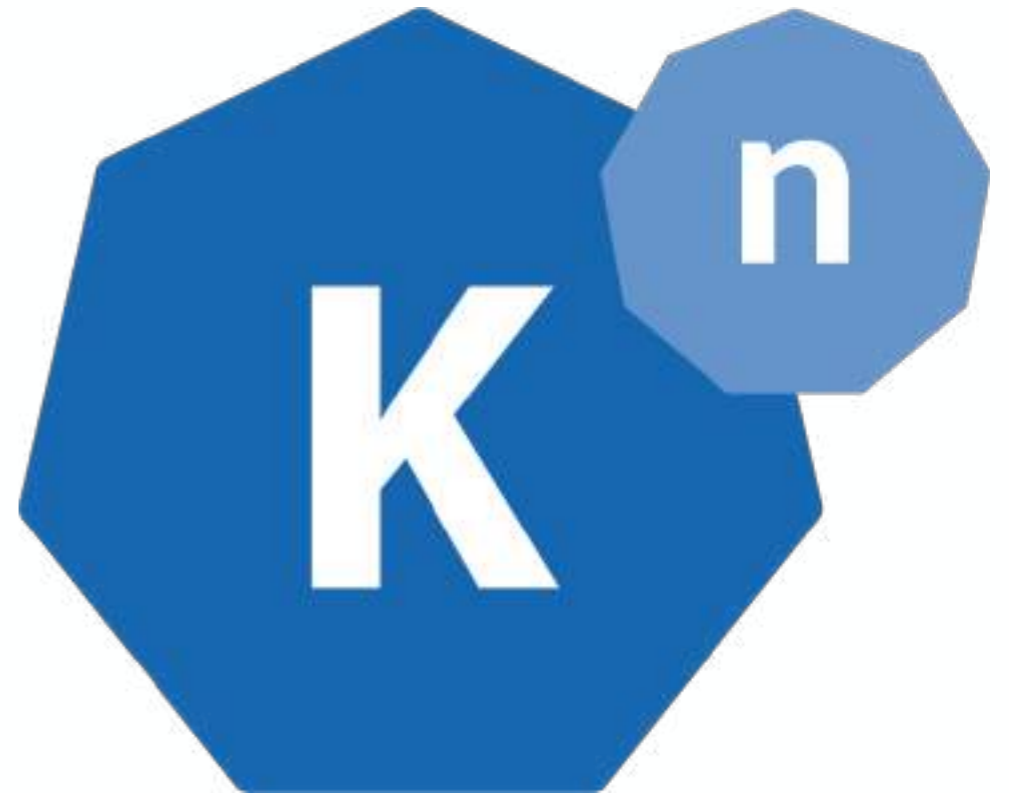
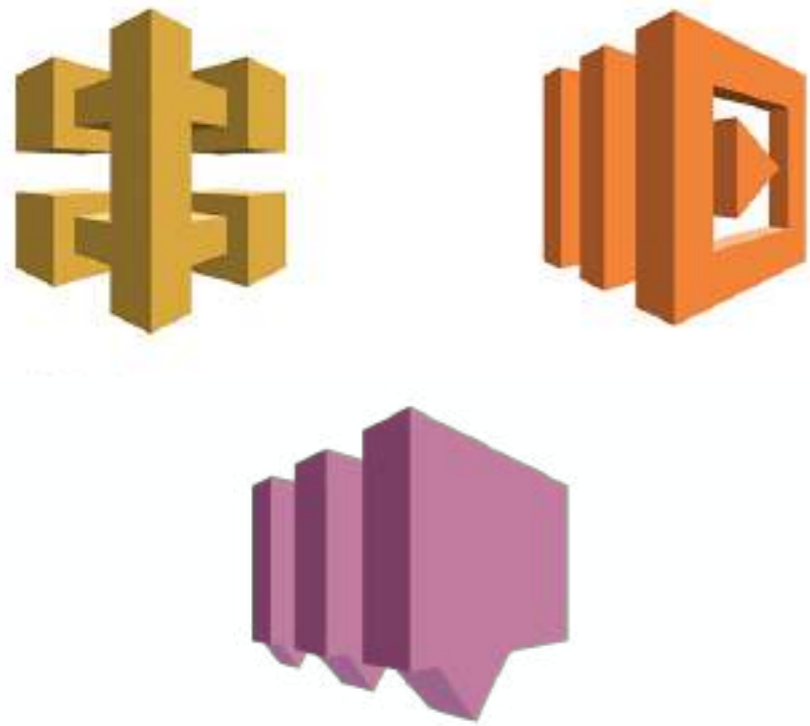


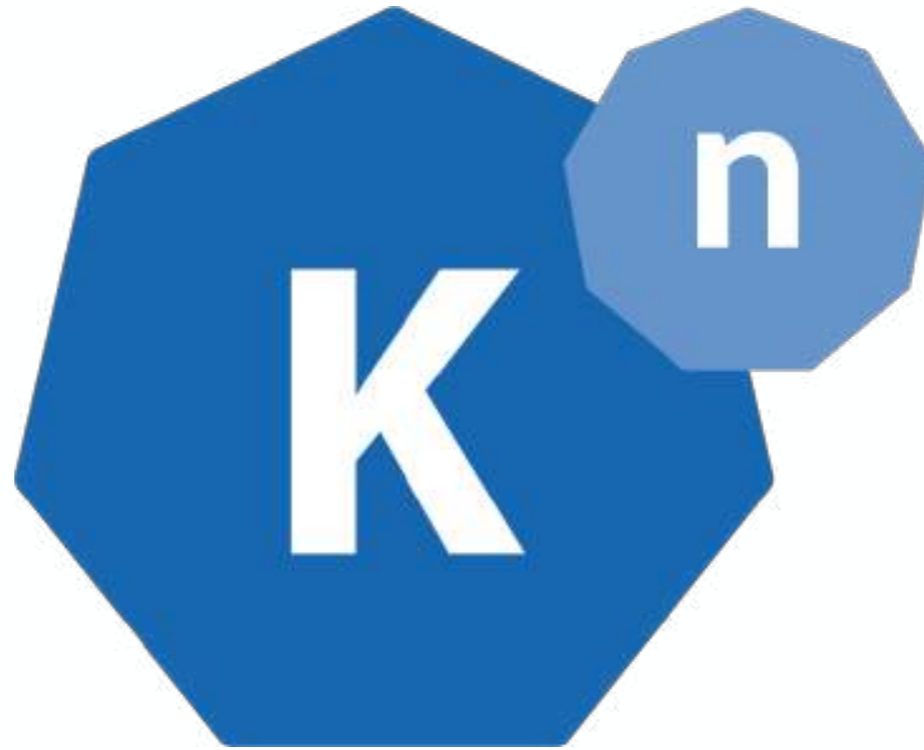
# Learning Knative with AWS Lambda



Jonatas "Jojo" Baldin  
Cloud Native Engineer @ Container Solutions

**@jonatasbaldin**





open source **Serverless**  
on top of **Kubernetes**

building blocks **or** a platform

powers many Serverless offerings

Google Cloud Run

Red Hat Open Shift Serverless

Managed Knative IBM Kubernetes Services

Pivotal Function Service

TriggerMesh Cloud

a note about **self-hosted**

# a note about **self-hosted**



platform team



development team  
***end users***



# Knative Core

**Serving**

**Eventing**

# Knative Core

## Serving

HTTP Workloads

Function == Container

Scales to Zero

Traffic Splitting

## Eventing

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API Gateway



Amazon Lambda

## Eventing

# Knative Core

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API Gateway



Amazon Lambda

## Eventing

Event-Driven System

Interacts with **Serving**

Custom Event Sources

CloudEvents Standard

# Knative Core

## Serving

HTTP Workloads

Function == Container

Scales to Zero

Traffic Splitting



API Gateway



Amazon Lambda

## Eventing

Event-Driven System

Interacts with **Serving**

Custom Event Sources

CloudEvents Standard



Amazon Lambda

**built on top of many  
technologies**



kubernetes



Grafana



docker



built on



of many



Gloo

technologies

kafka



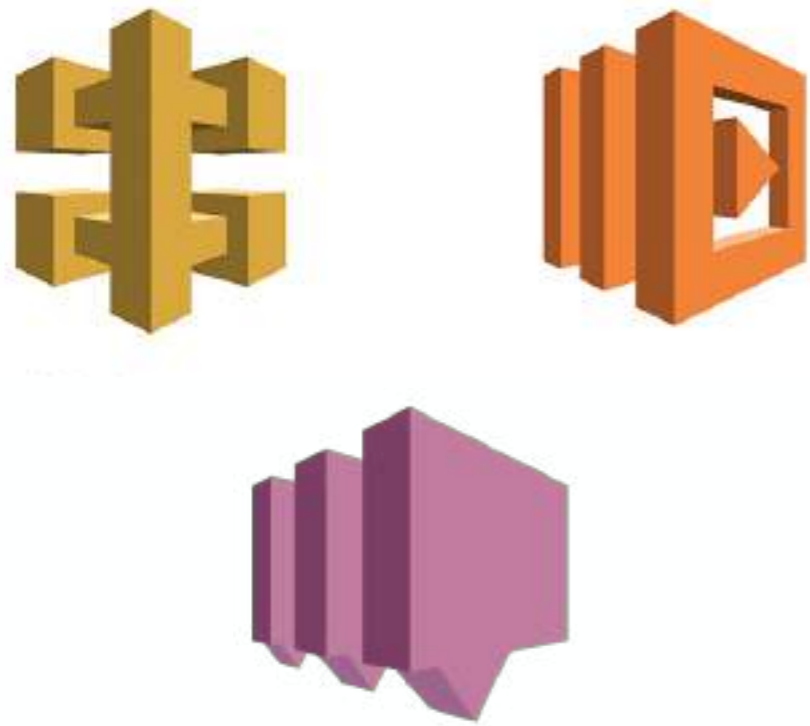
fluentd



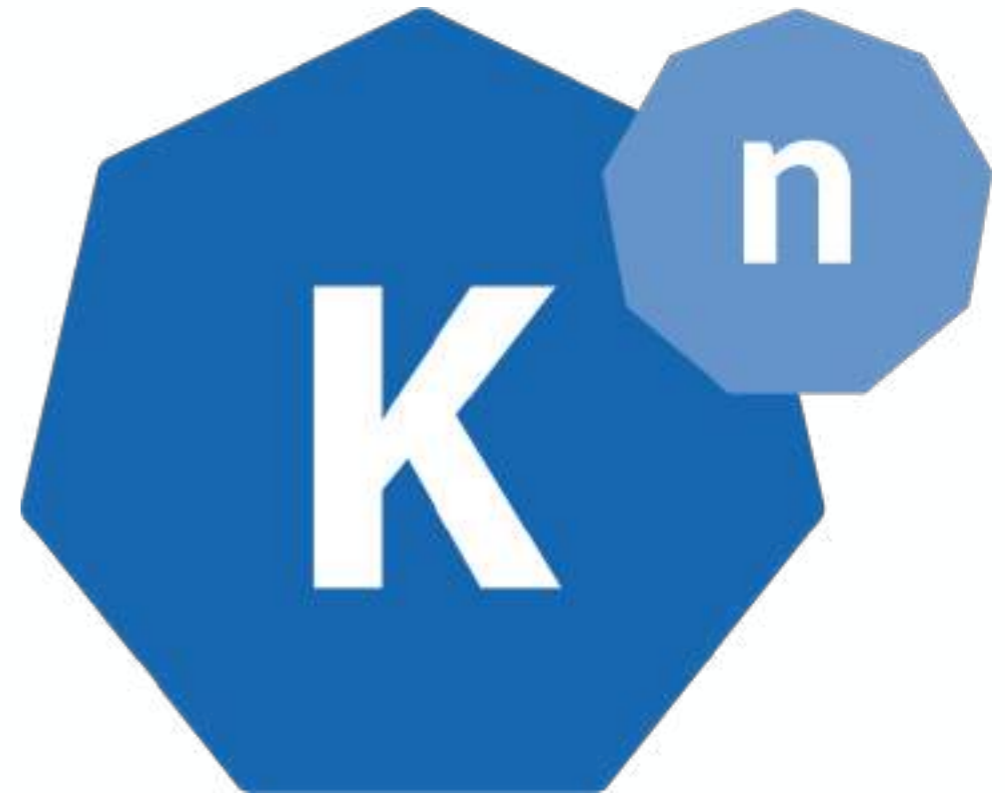
Istio



Stack



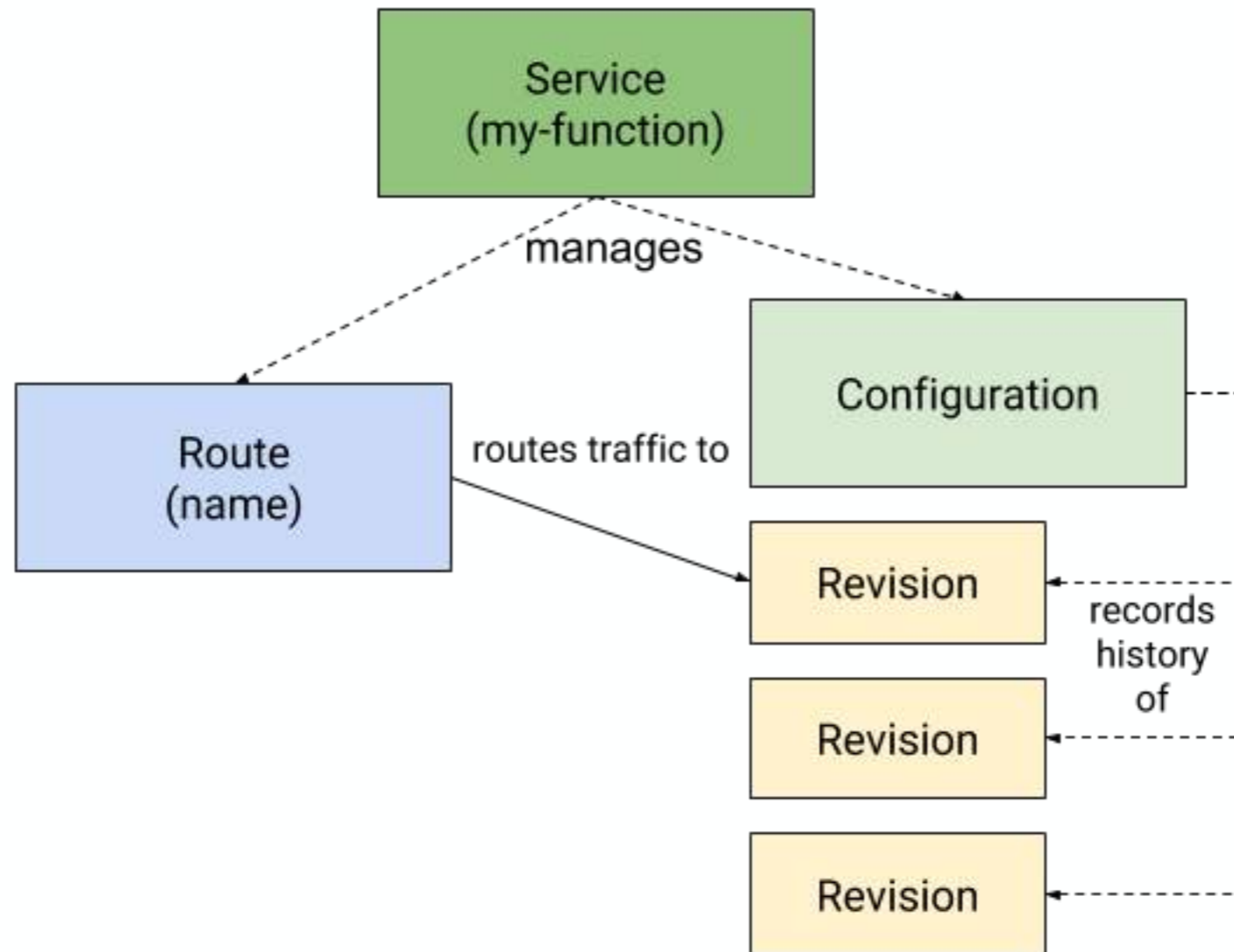
API Gateway + Lambda  
SQS + Lambda



Google Kubernetes Engine  
HTTPS Certificates + Domain



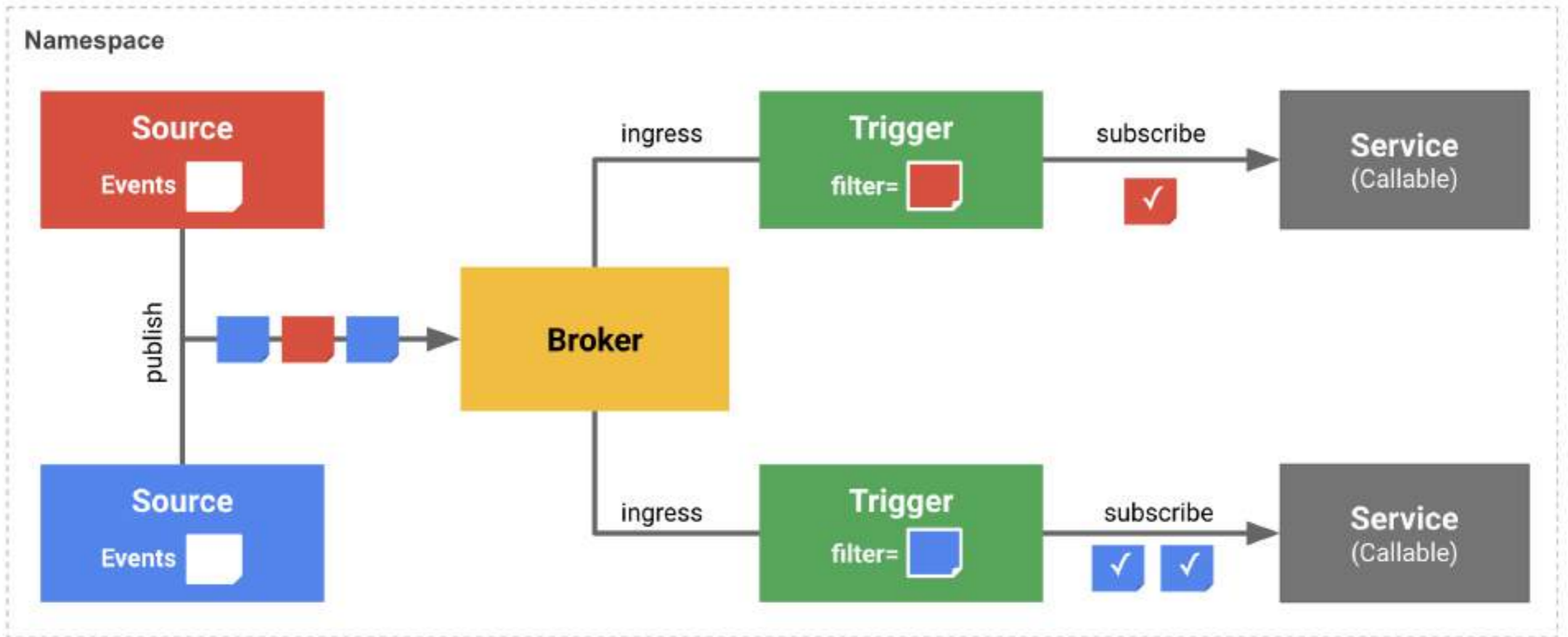
# Serving





Amazon  
SQS

# Eventing

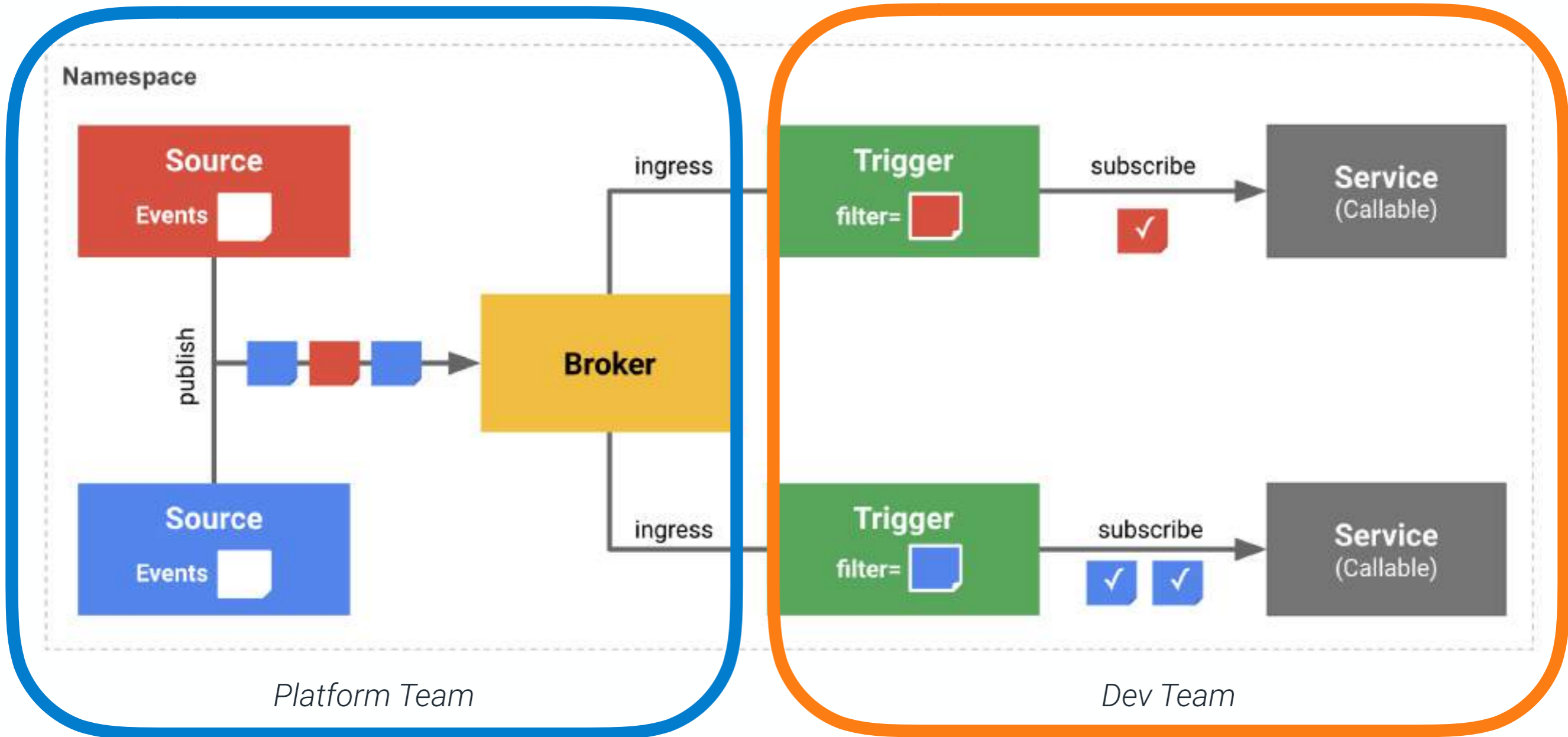


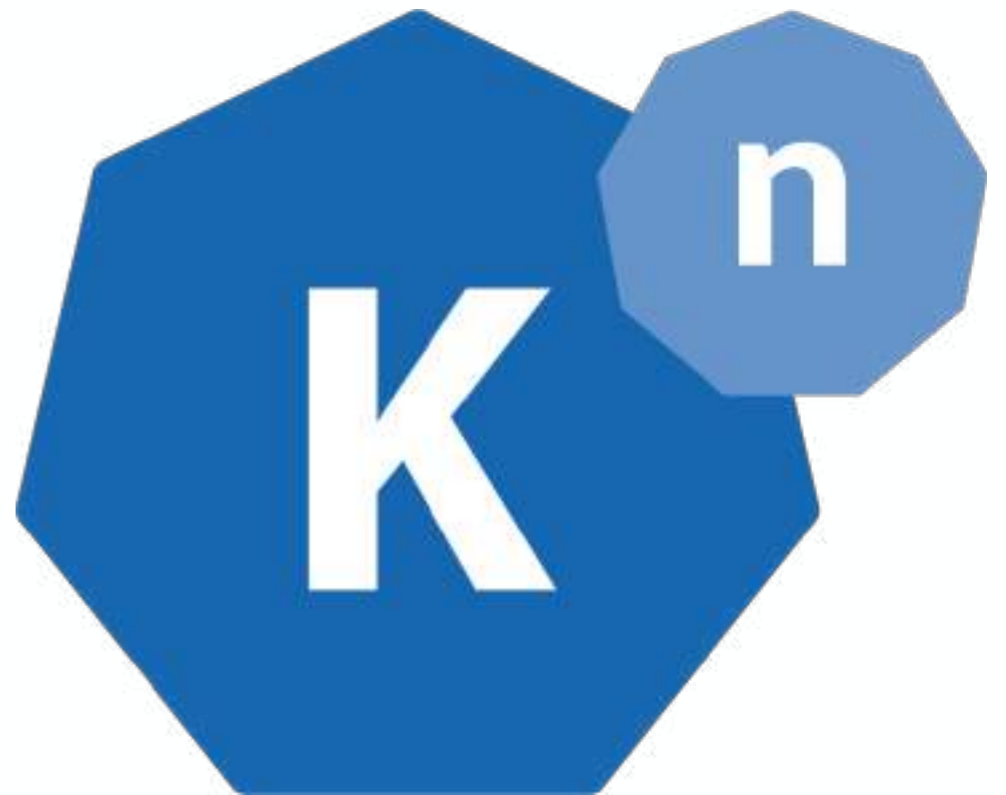
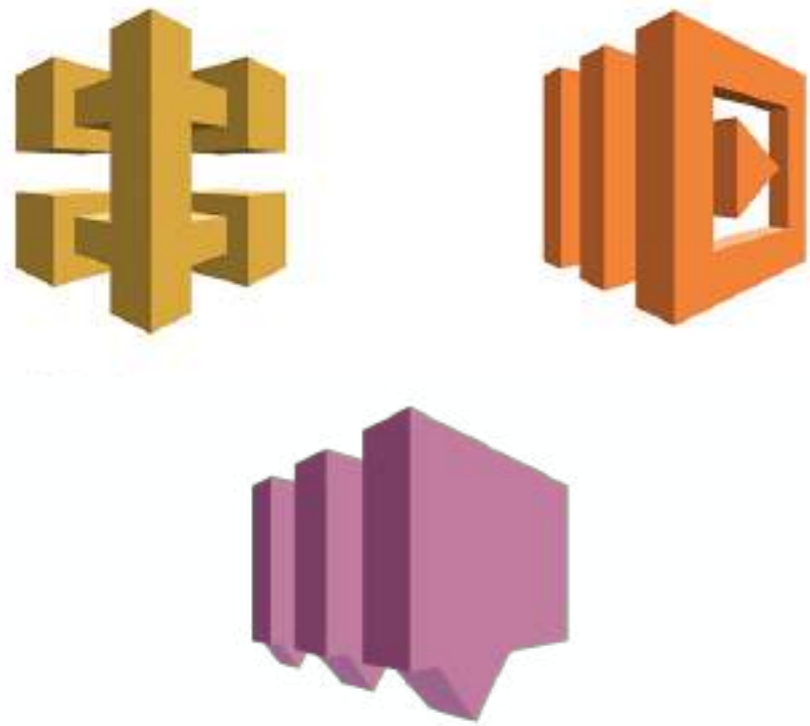
GitHub



Mark Chmarny, Announcing Knative v0.5 Release

# Eventing





# the **improvements** list

Developer Experience

Eventing is a bit rough on the edeges

Education / Content

Server Management 🙄

# the **awesome** list

Backed by Big Players

Runs on Kubernetes

Observability

“Avoid lock-in”

Fine-grained Scalability

CloudEvents

the **more stuff** list

Traffic Splitting

Tracing

Sequence / Parallel

# resources

[knative.dev](https://knative.dev)

[github.com/knative](https://github.com/knative)

[slack.knative.dev](https://slack.knative.dev)

[twitter.com/KnativeProject](https://twitter.com/KnativeProject)

**[github.com/jonatasbaldin/knative-lambda](https://github.com/jonatasbaldin/knative-lambda)**



**thanks** 

@jonatasbaldin