



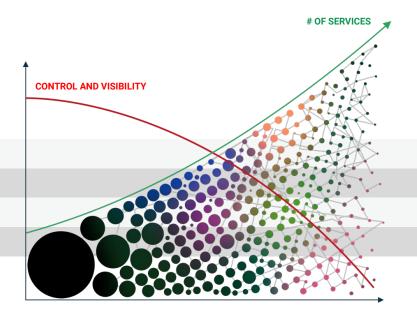
# Centralized

STATIC

**ON-PREM** 

MONOLITH

WATERFALL



# Decentralized

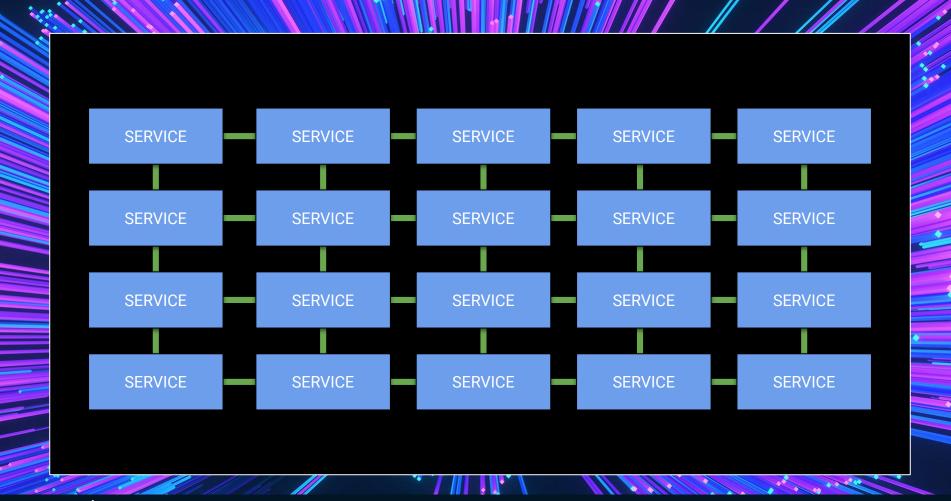
**DYNAMIC** 

CLOUD / MULTI-CLOUD

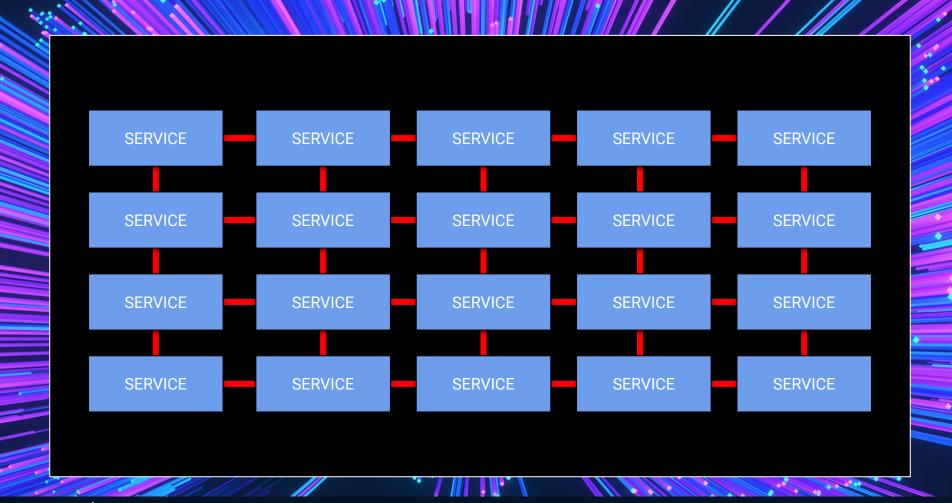
MICROSERVICES / SERVERLESS

CI/CD, CONTAINERS, KUBERNETES

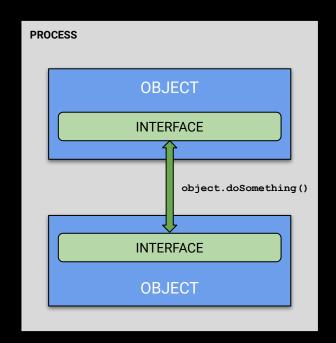


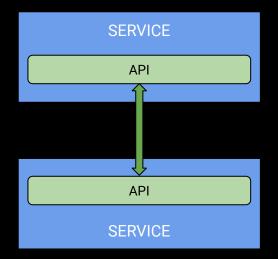


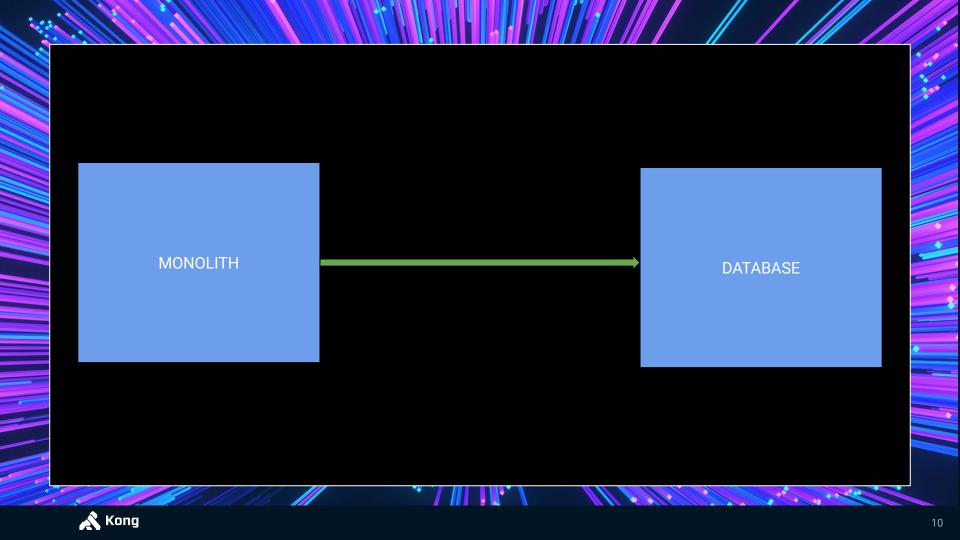


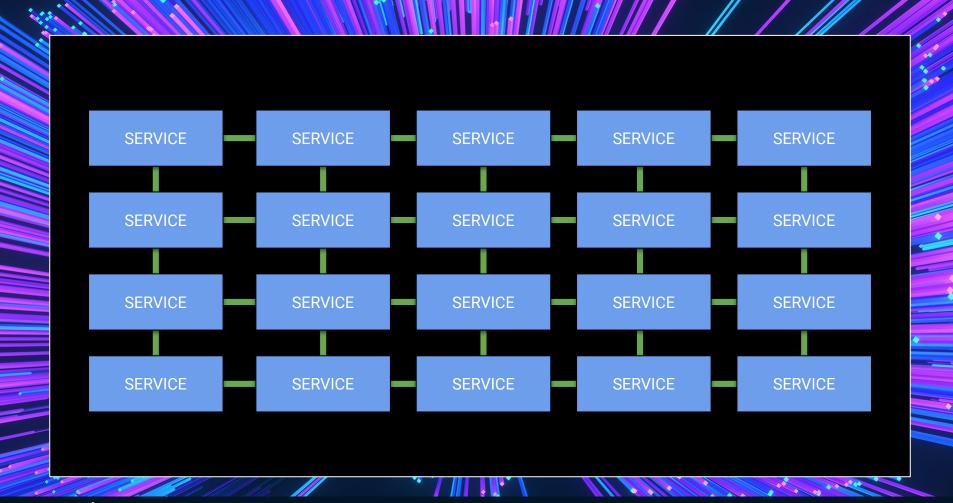












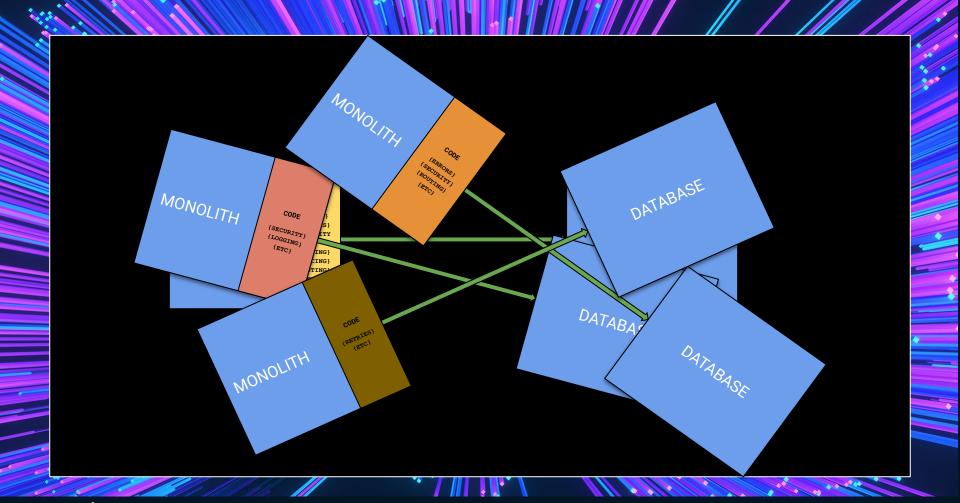


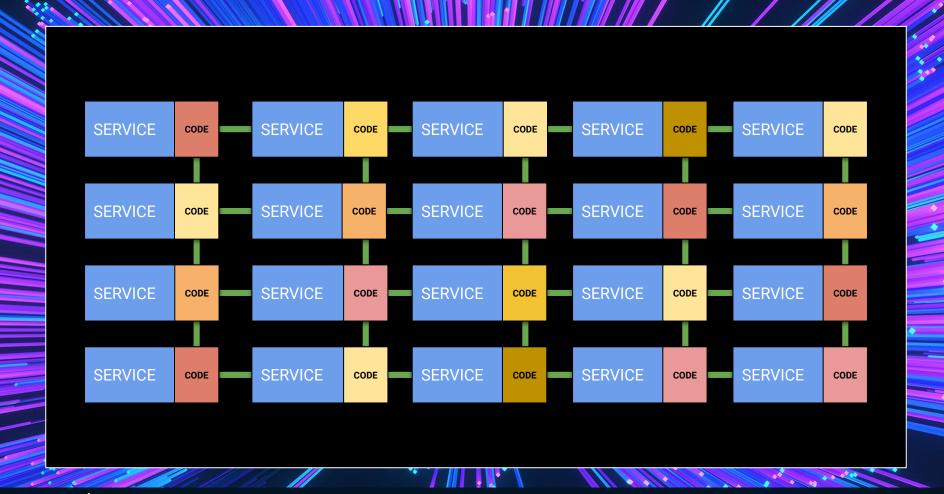
**ENCRYPTION IDENTITY** TRAFFIC ACL ROUTING **VERSIONING DEPLOYMENTS OBSERVABILITY** LOGGING **TRACING RESILIENCY ZERO-TRUST CHAOS** 



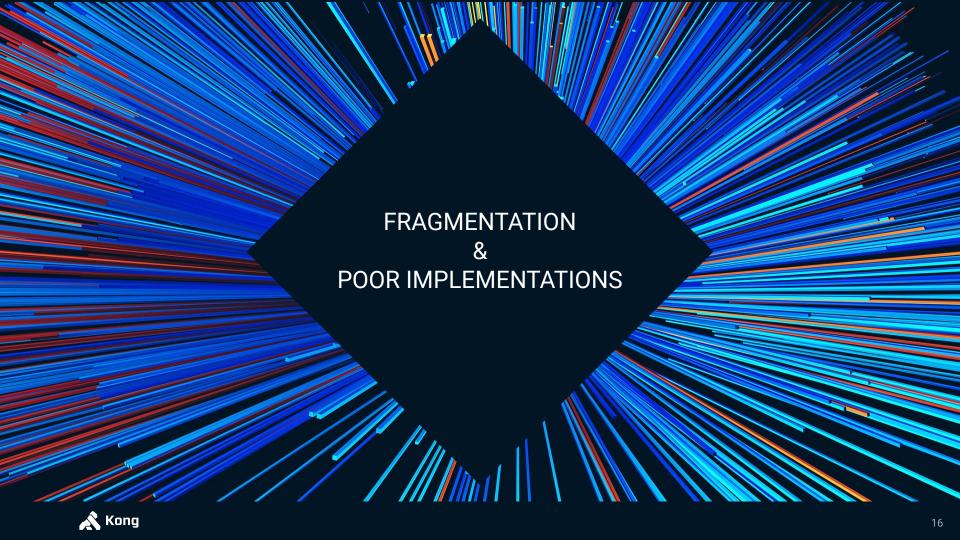


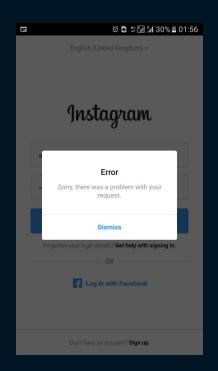


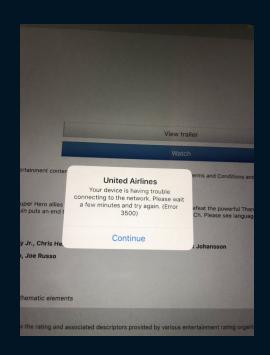


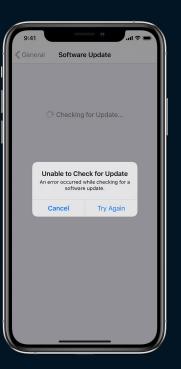








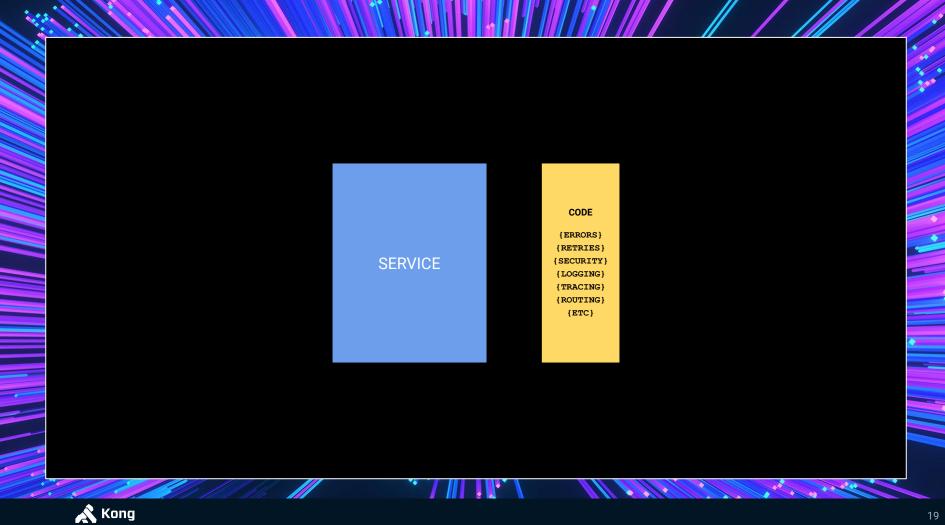




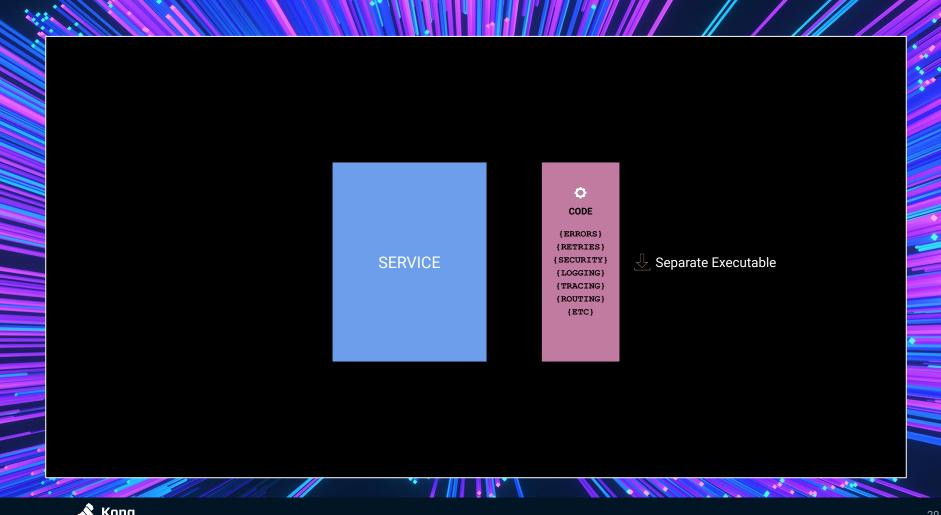




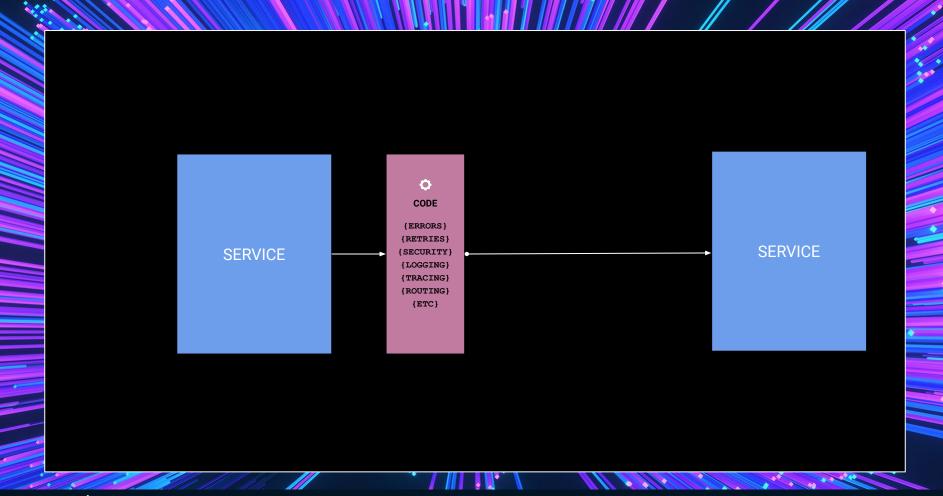




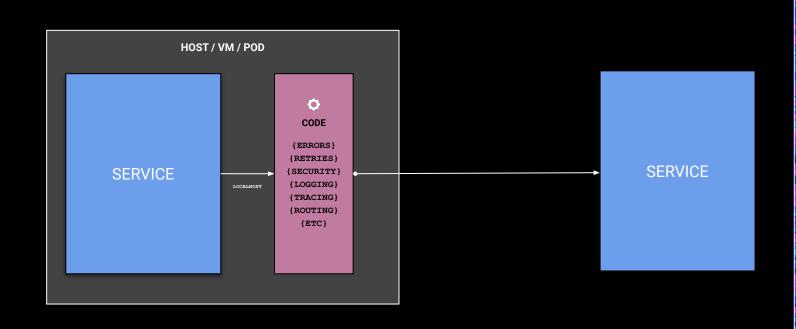




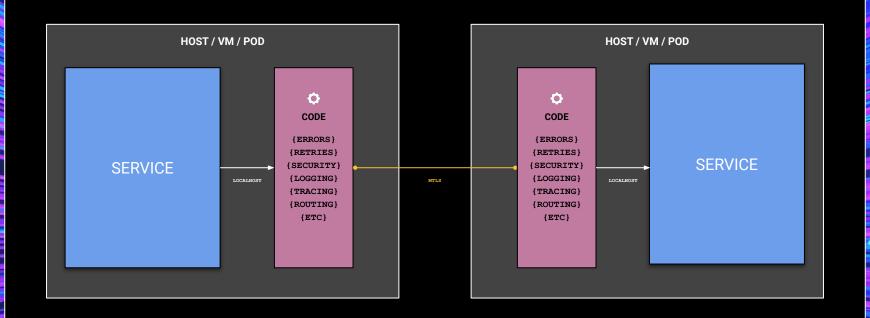




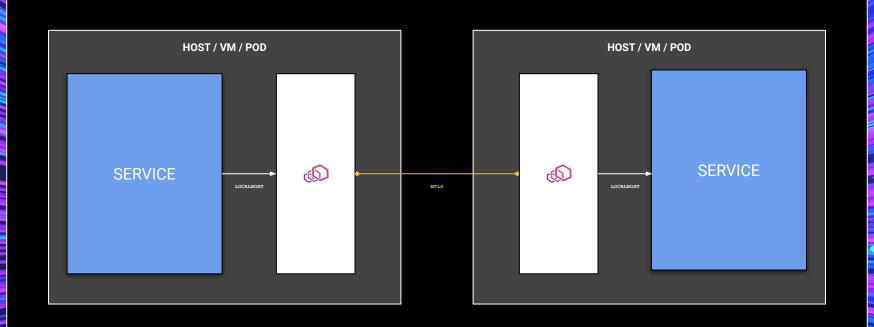






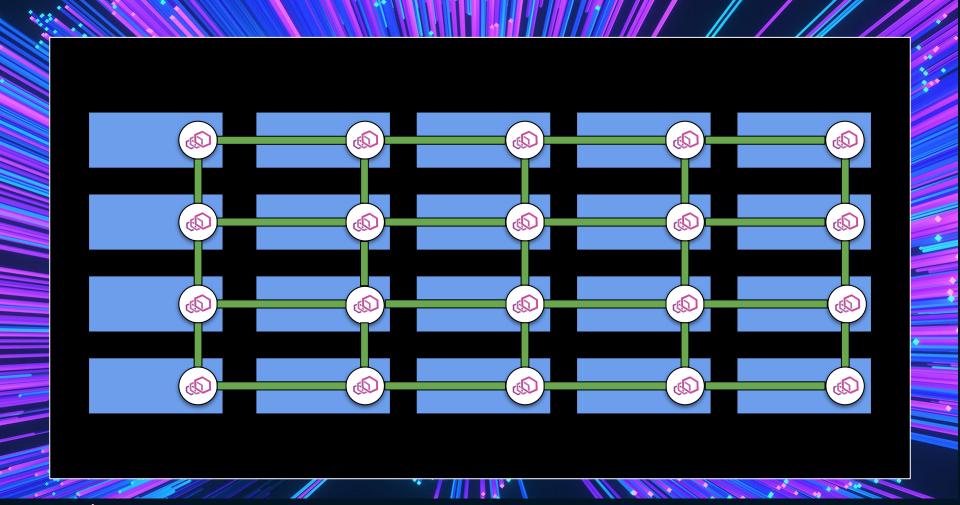


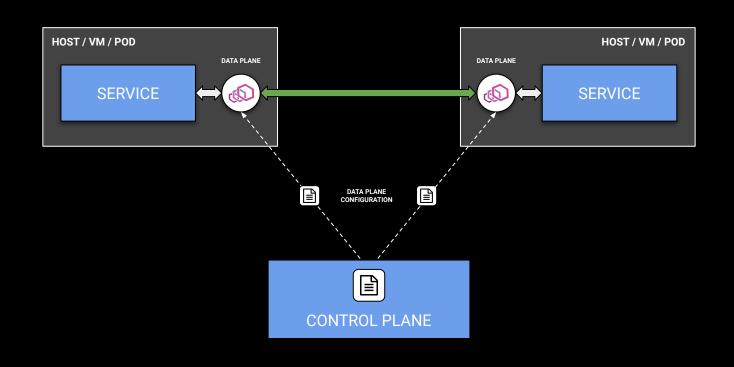




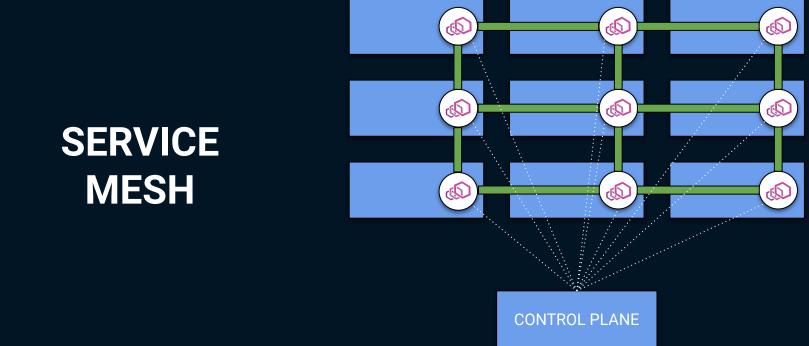


envoyproxy.io

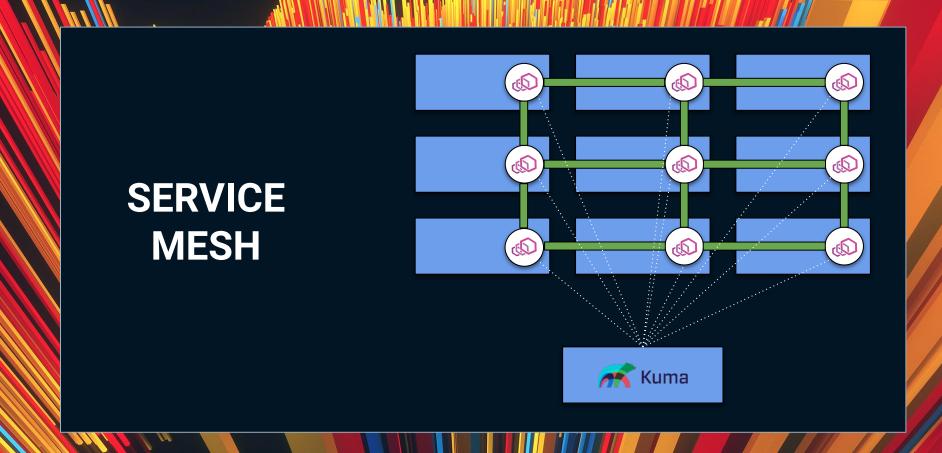






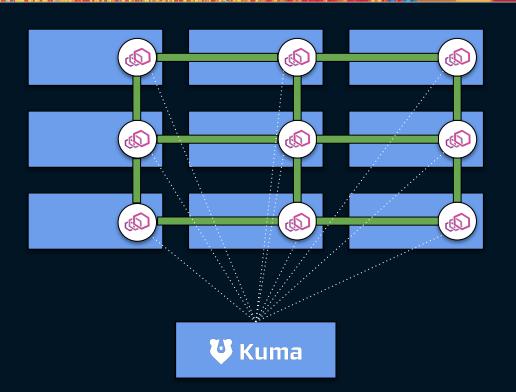




















By Marco Palladino on September 10, 2019

#### **OPEN SOURCE**

Released on September 10, 2019 by Kong

~ 1,400 GitHub stars

Apache License 2.0

## Introducing Kuma: The Universal Service Mesh

Community | Kuma | Product Announcements | 2 MIN READ

We are excited to announce the release of a new open source project, Kuma – a modern, universal control plane for service mesh! Kuma is based on Envoy, a powerful proxy designed for cloud native applications. Envoy has become the de-facto industry sidecar proxy, with service mesh becoming an important implementation in the cloud native ecosystem as monitoring, security and reliability become increasingly important for microservice applications at scale.

"It's been gratifying to see how quickly Envoy has been adopted by the tech community, and I'm really excited by Kong's new 'Kuma' project," said Matt Klein, creator of the Envoy proxy. "Kuma extends Envoy's use cases and will make it faster and easier for companies to create cloud native applications and manage them in a service mesh."

Kuma addresses limitations of first-generation service mesh technologies by enabling seamless management of any service on the network, including L4 and L7 traffic, as well as microservices and APIs. Its fast data plane and advanced control plane makes it significantly easier to use and adopt across every team. Kuma runs on any platform, including Kubernetes, virtual machines, containers, bare metal and legacy environments, to enable a more practical cloud native journey across an entire organization.

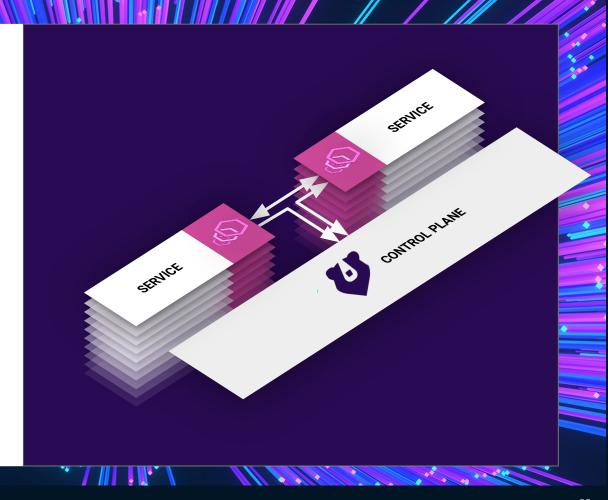


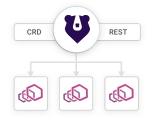
## **MODERN**

Written in GoLang

Native Envoy Integration

Clean Design





### **EASY TO USE**

Lightweight and Extensible

10+ Bundled Policies

CRD - HTTP API - CLI - GUI Support





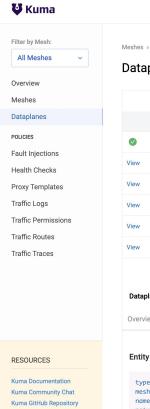
### **EASY TO USE**

Native CRDs

**Universal CLI** 

HTTP API

Built-in GUI



Collapse Sidebar

Meshes > all > Dataplanes >

## Dataplanes for all

	Status	Name	Mesh	Tags
•	<ul><li>Online</li></ul>	billing-1	default	ENV production REGION us SERVICE billing VERSION 1.1-prod
View	<ul><li>Online</li></ul>	billing-2	default	ENV production REGION eu SERVICE billing VERSION 1.1-prod
View	<ul><li>Offline</li></ul>	billing-3	default	ENV production REGION us SERVICE billing VERSION 1.1-prod
View	<ul><li>Offline</li></ul>	billing-4	default	ENV production REGION eu SERVICE billing VERSION 1.1-prod
View	<ul><li>Offline</li></ul>	dp-echo-1	default	ENV staging REGION us SERVICE echo
View	<ul><li>Offline</li></ul>	mongo-1	default	ENV production REGION us SERVICE mongo VERSION 4.2.6

#### Dataplane: billing-1

Overview YAML

#### Entity Overview for billing-1

type: Dataplane
mesh: default
name: billing-1
networking:
 inbound:

- interface: '127.0.0.1:10000:9000'





By Marco Palladino on April 14, 2020

# Kuma Open Governance and Community Calls

Community | Kuma | Open Source | < 1 MIN READ

#### **COMMUNITY FRIENDLY**

**Open Governance** 

Bi-Weekly Community Calls

1st Envoy-based CP to be donated

github.com/cncf/toc/issues/436

We are very proud to announce some very important community updates for Kuma, with the goal of making Kuma more open and more inclusive to the broader open source ecosystem:

- 1. An open governance policy
- 2. Bi-weekly community calls

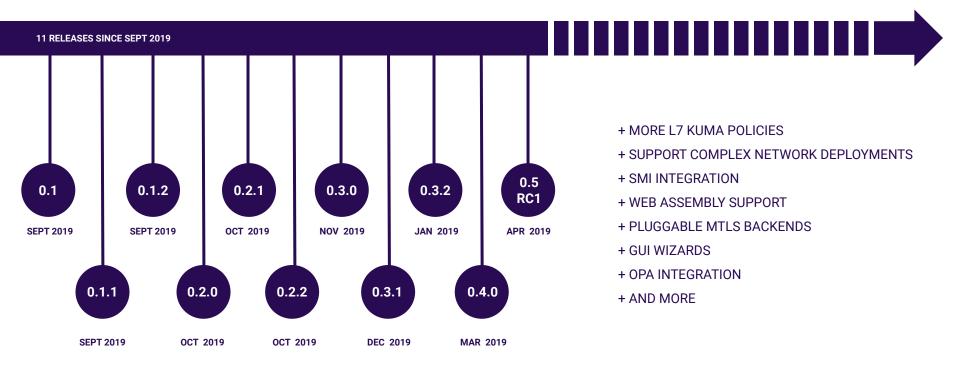
## **Open Governance**

The Kuma project now ships with open governance guidelines! This makes Kuma the **only** Envoy-based control plane for service mesh with an open governance policy in the CNCF landscape.

The open governance policy was merged last week into "master" and provides guidelines to elect new maintainers of the project from the community. You can read the new governance policy here.

With this change, we commit to making Kuma a good OSS citizen in the community and providing a path to become maintainers to anybody who is a contributor to the Kuma project's success and a citizen helping the project succeed.

















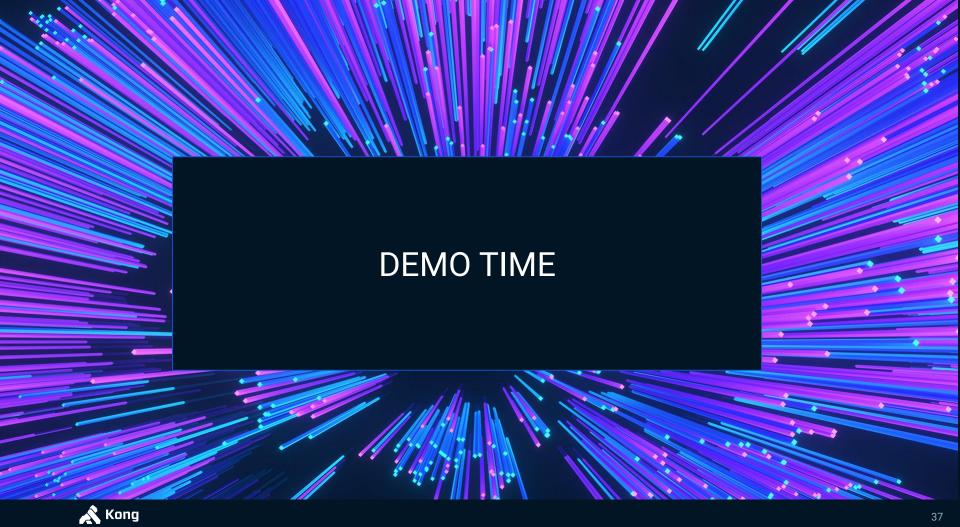


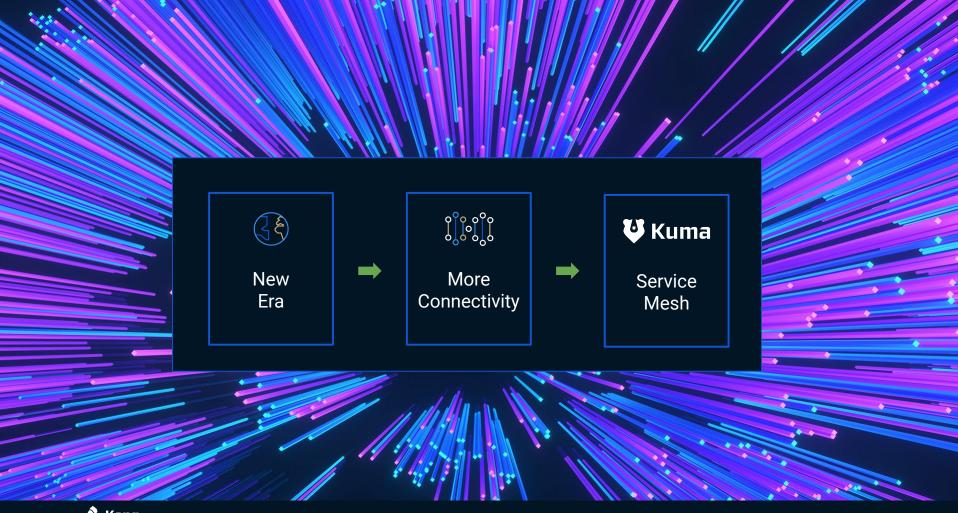














KUMA.IO



GITHUB.COM/KONG/KUMA-GUI GITHUB.COM/KONG/KUMA-WEBSITE



KUMA-MESH.SLACK.COM



@KUMAMESH

