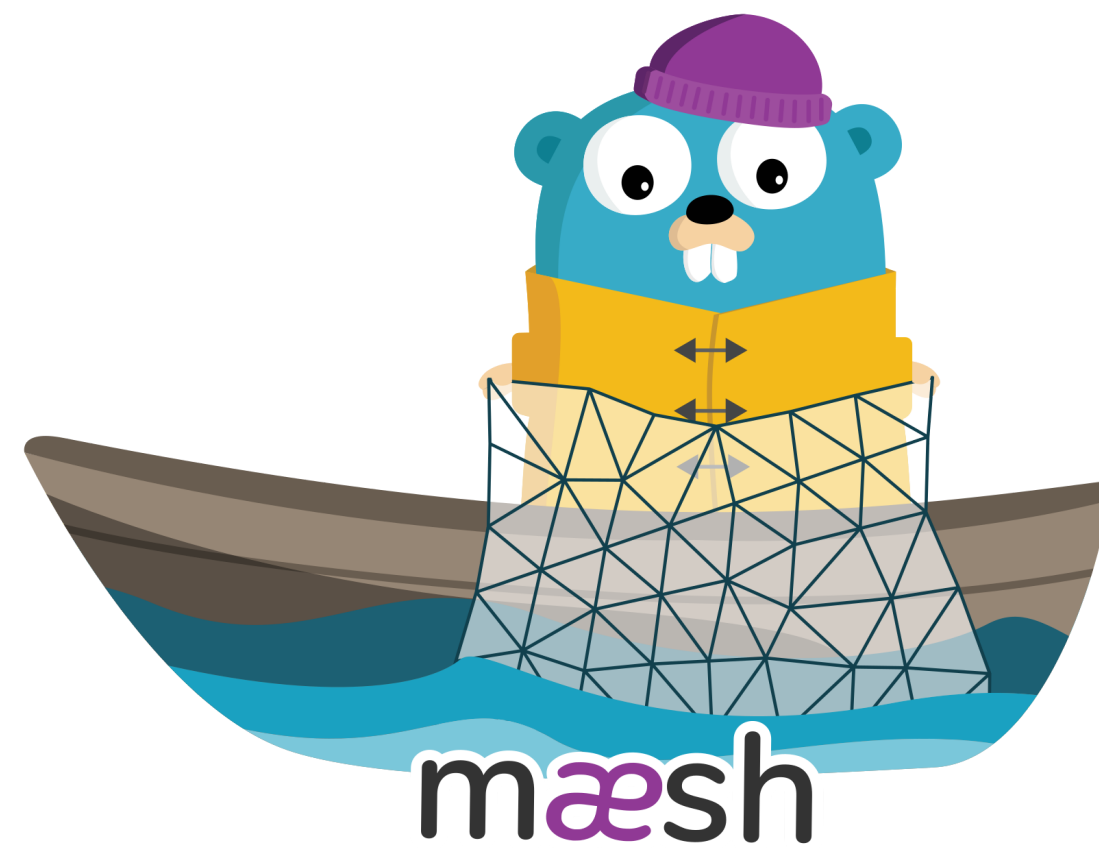# Maesh Online Meetup - October 2018

Maesh Online Meetup - October 2018

How To Use These Slides?

- **Browse the slides:** Use the arrows
    - Change chapter: Left/Right arrows
    - Next or previous slide: Top and bottom arrows
- **Overview of the slides:** keyboard's shortcut "o"
- **Speaker mode (and notes):** keyboard's shortcut "s"

Whoami 1/4

- Michael Matur
    - Devops & Developer @ Containous
- Blacksmith on Traefik
- 🐦 @michaelmatur
- 🐙 mmatur

Whoami 2/4

- Gerald Croes:

    - Træfik's VP of Engineering Advocate @ Containous

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Whoami 3/4

- Daniel Tomcej:

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Whoami 4/4

- Manuel Zapf:
    - Træfik's Solution Architect 🔨 @ Containous
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Containous

https://containo.us

- We Believe in Open Source
- We Deliver Traefik and Traefik Enterprise Edition
- Commercial Support
- 30 people distributed, 90% tech

What The Hell Is A Service Mesh?

A service mesh is a configurable network layer inside your cluster to handle network-based communication among your applications. It ensures that this communication is fast, reliable and secure.

Benefits

- Provides extended functionality (Service Discovery, Load Balancing...)

- Centralized Place instead of having to reimplement across Services

- Provides abstraction layer for network functions

- Traffic Control

Challenges

- Current solutions can be complex to understand

- Ressource Hungry

- Slowness: Service meshes are an invasive and intricate technology

- Lock-In

Say Hello To Maesh
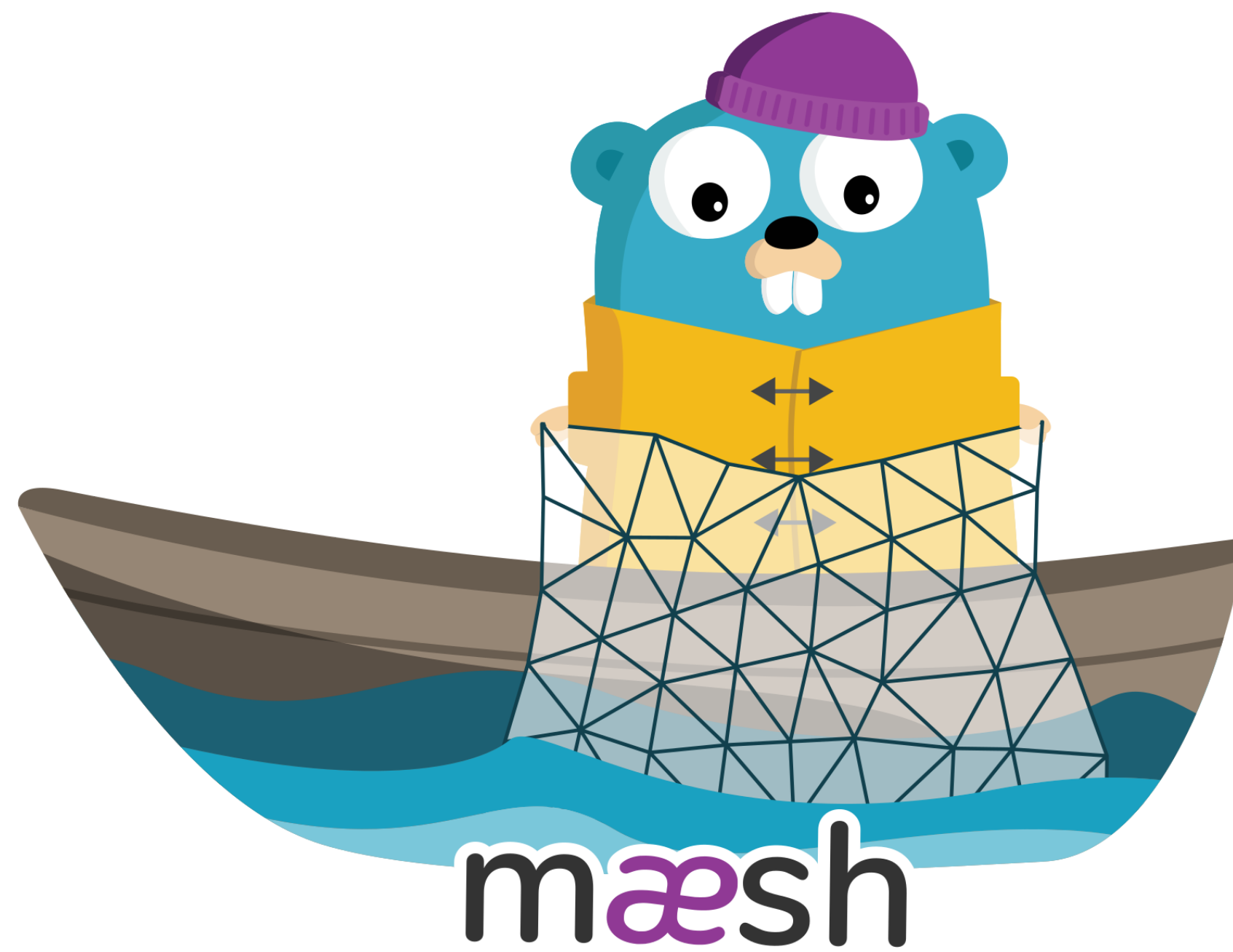
What Is Maesh?

Maesh is a lightweight, easy to configure, and non-invasive service mesh that allows visibility and management of the traffic flows inside any Kubernetes cluster.
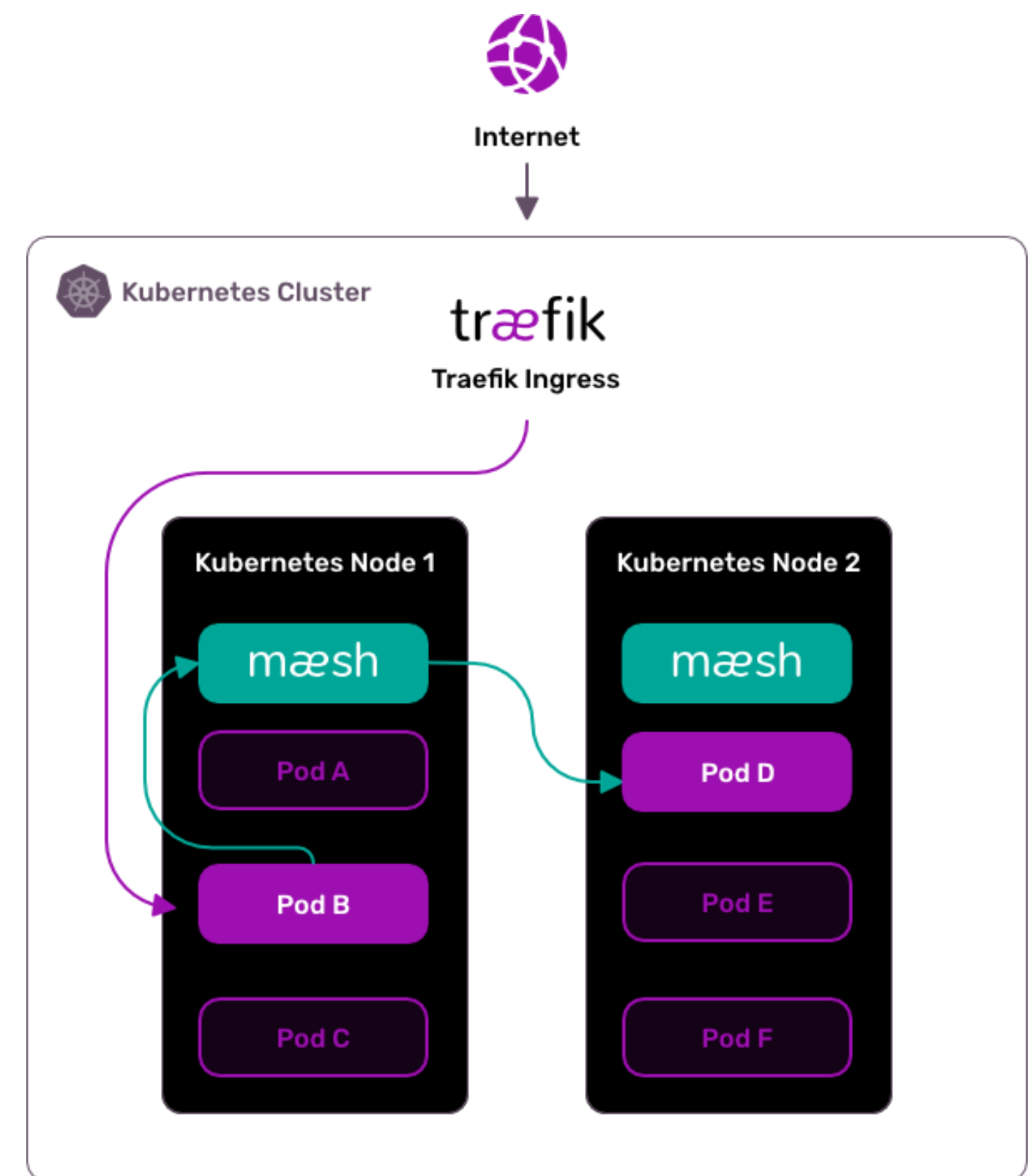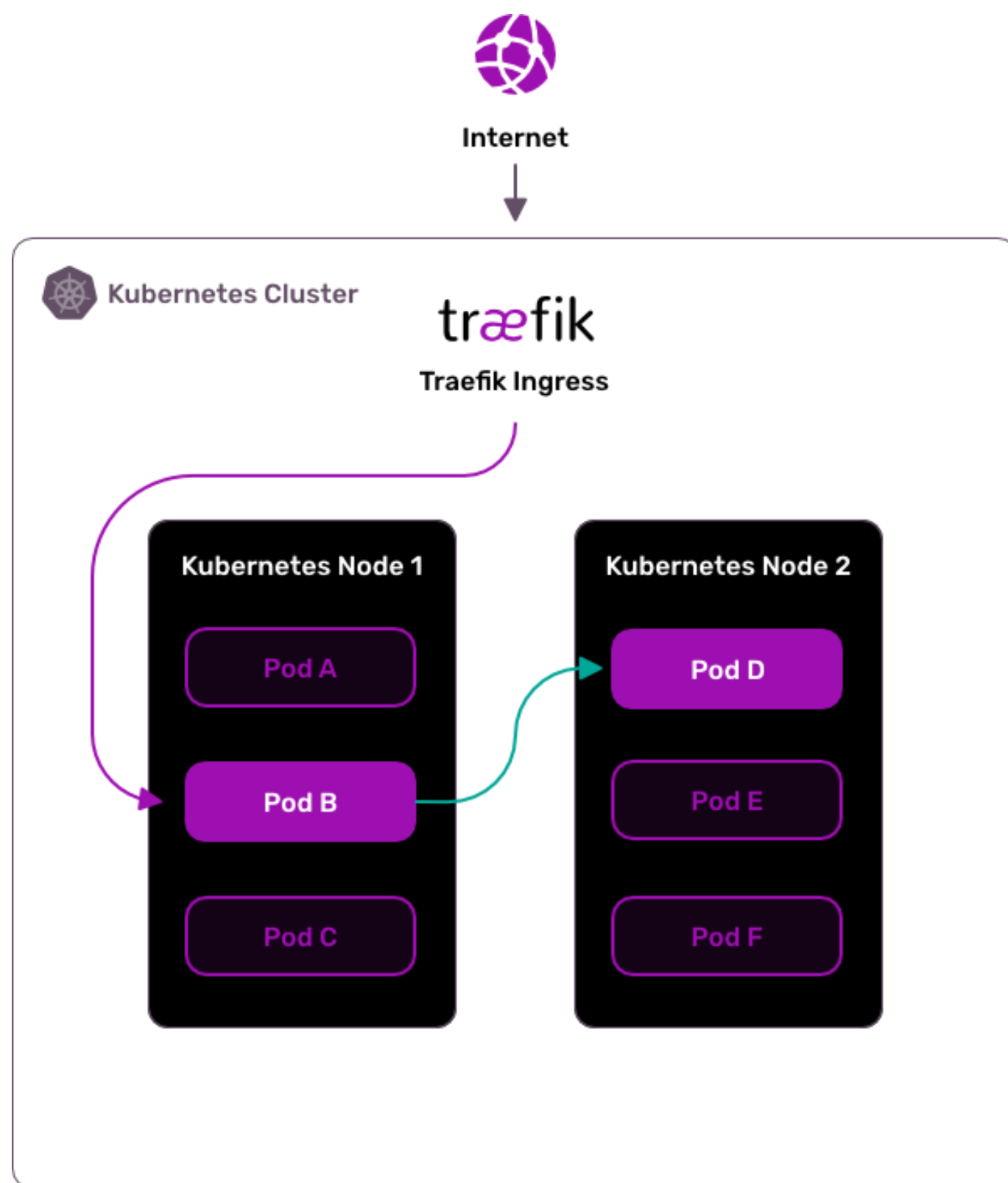
More On Maesh

- Built on top of Traefik,

- SMI (Service Mesh Interface specification) compliant,

- Opt-in by default.

Features

- OpenTracing / Metrics

- Retries & failovers

- Circuit breakers & Rate limits

- Access controls
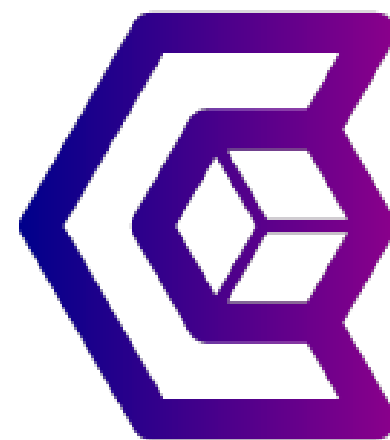
- Easy installation

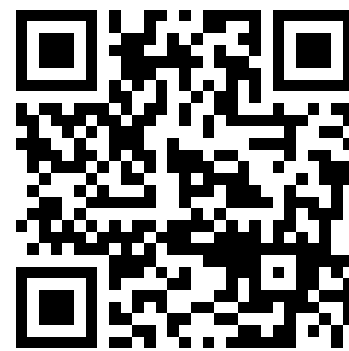# Maesh Architecture

Demo

That's All Folks!

We Are Hiring!

```
docker run -it containous/jobs
```

Thank You!

🐦 @DamienDuportal

🐙 dduportal

- Slides (HTML): https://containous.github.io/slides/maesh-online-meetup

- Slides (PDF): https://containous.github.io/slides/maesh-online-meetup/slides.pdf

- Source on 🐙: https://github.com/containous/slides/tree/maesh-online-meetup