

Maesh Online Meetup - October 2018



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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
-  @geraldcroes
-  geraldcroes



Whoami 3/4

- Daniel Tomcej:
 - Træfik's Developer  Advocate @ Containous
-  @daniel_tomcej
-  dtomcej



Whoami 4/4

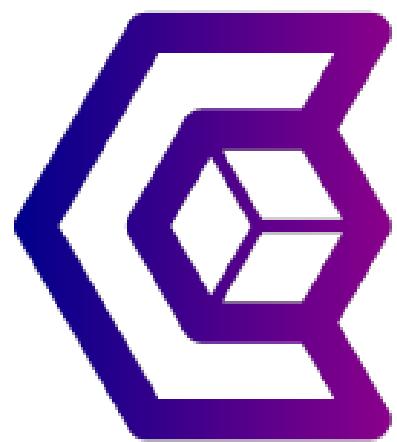
- Manuel Zapf:
 - Træfik's Solution Architect  @ Containous
-  @mZapfDE
-  SantoDE



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.

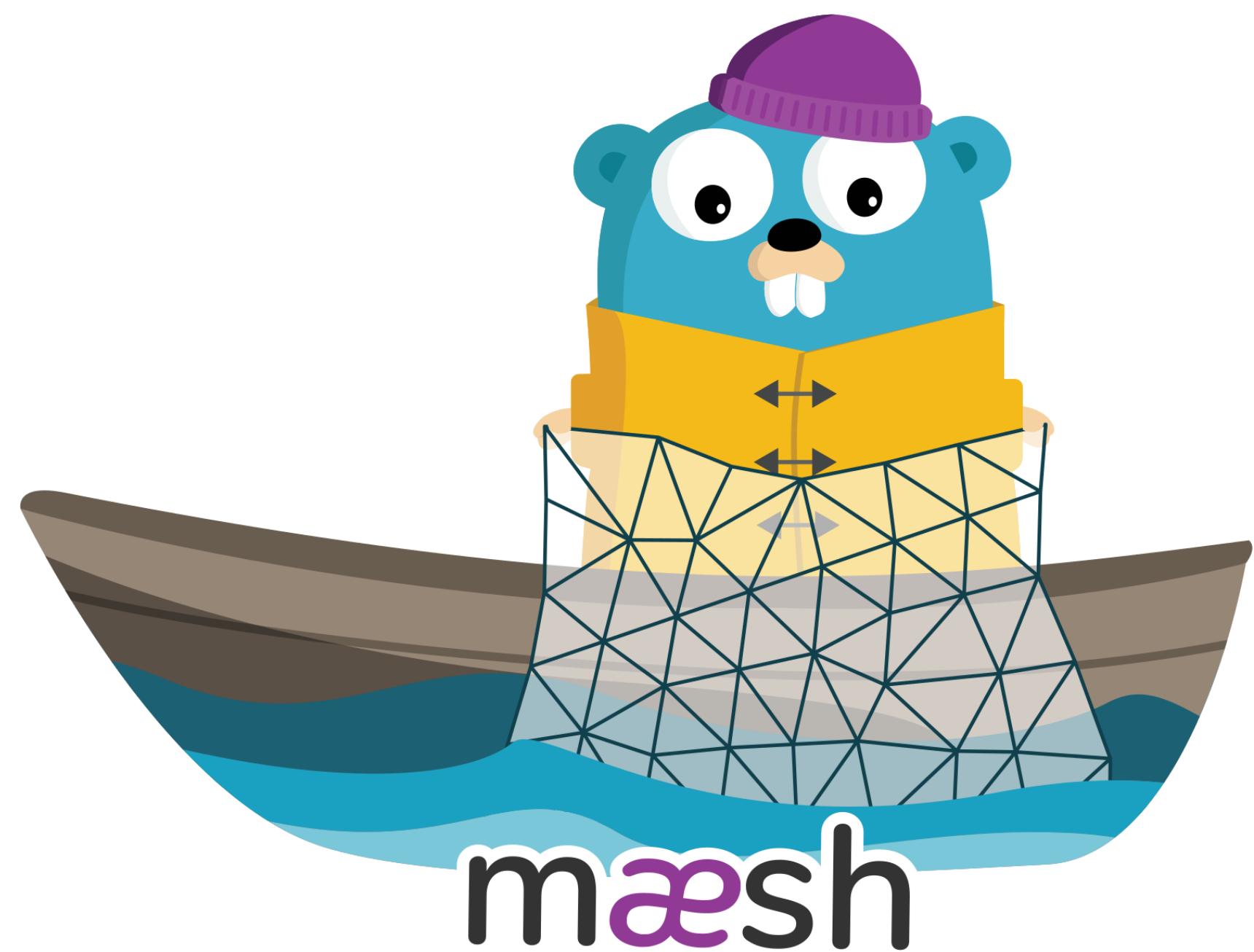
Benefits

- Provides extended functionality (Service Discovery, Load Balancing...)
- Centralized Place instead of having to reimplement across Services
- ...

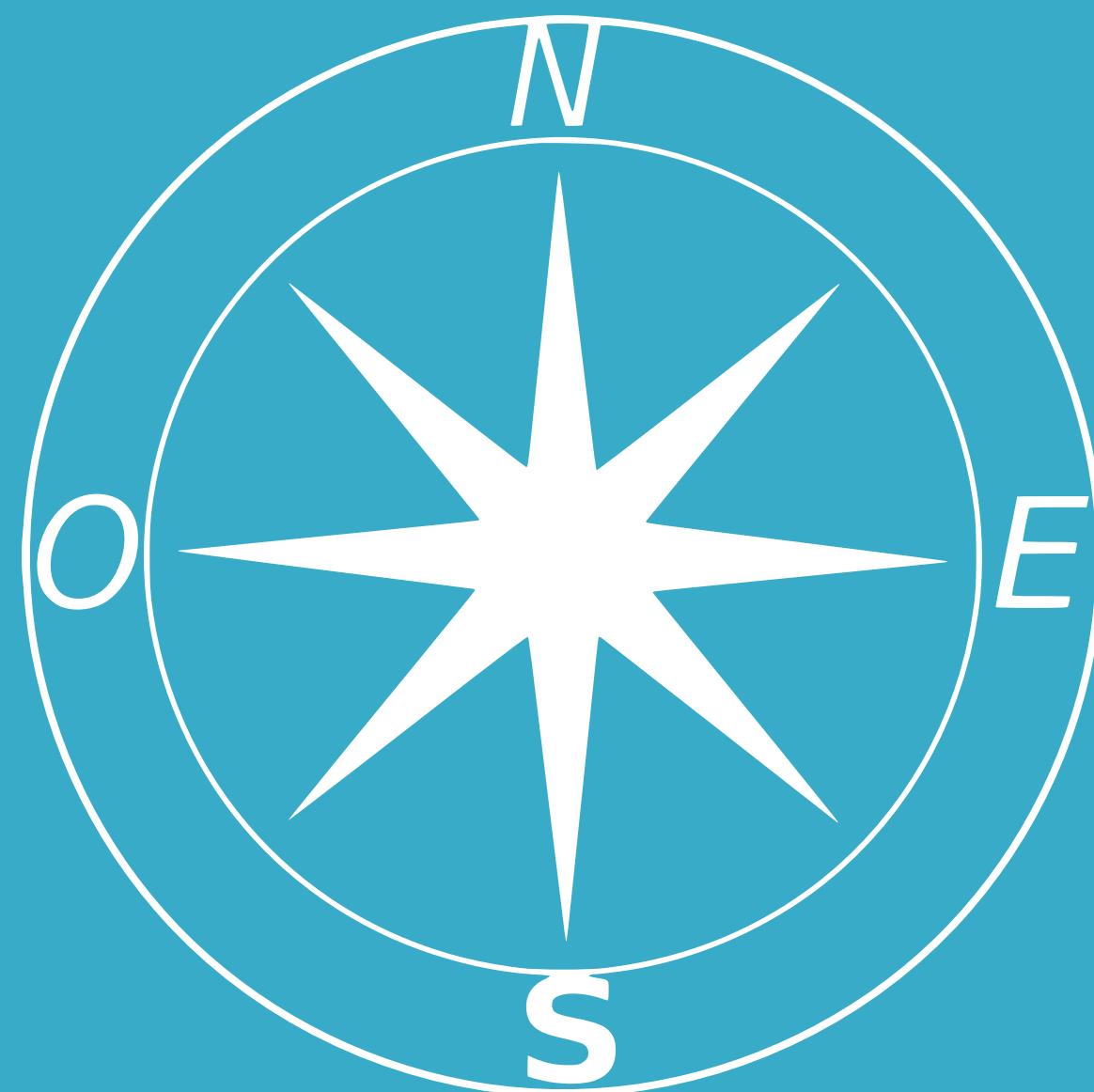
Challenges

- Current solutions can be complex to understand
- Ressource Hungry
- ...

Say Hello To Maesh



Traefik And West/East Traffic



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.

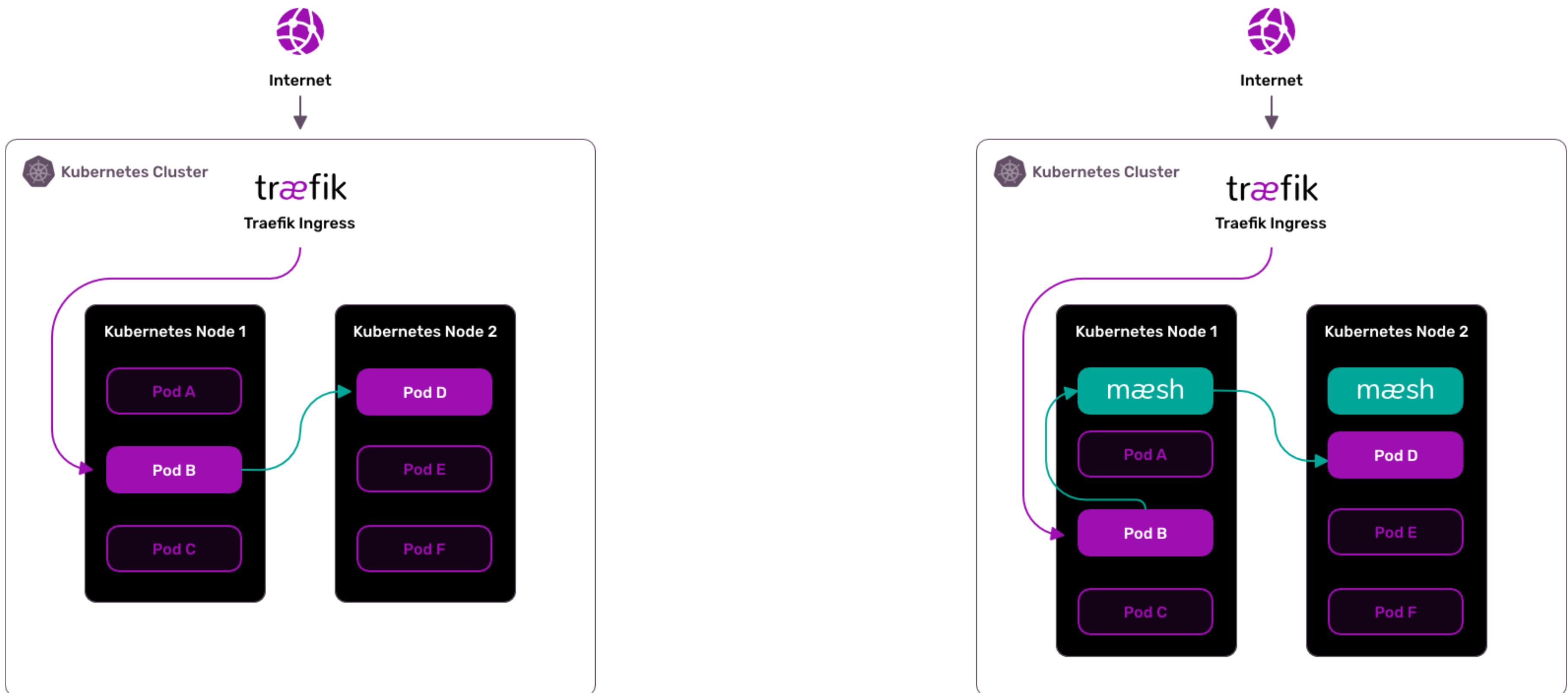
More On Maesh

- 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



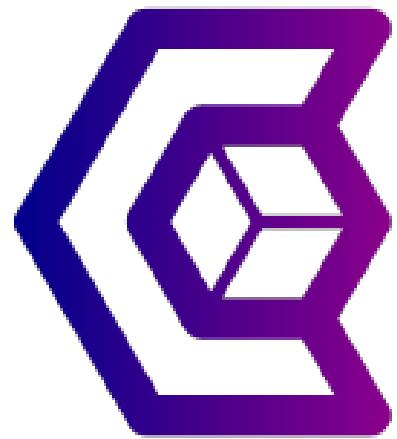
Demo



That's All Folks!



We Are Hiring!

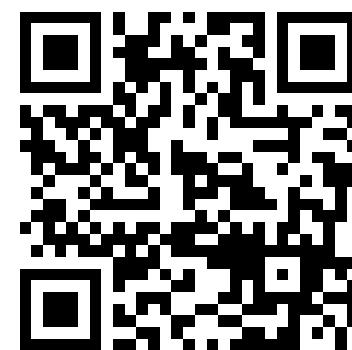


```
docker run -it containous/jobs
```

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>