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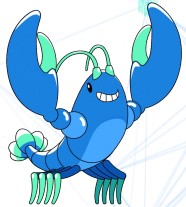
Creators of LINKERD



Mesh Expansion with Linkerd

Flynn, Technical Evangelist for Linkerd

flynn@buoyant.io | @flynn on slack.linkerd.io



@BuoyantIO

buoyant.io

SERVICEMESH ACADEMY | BUOYANT BROWN BAG

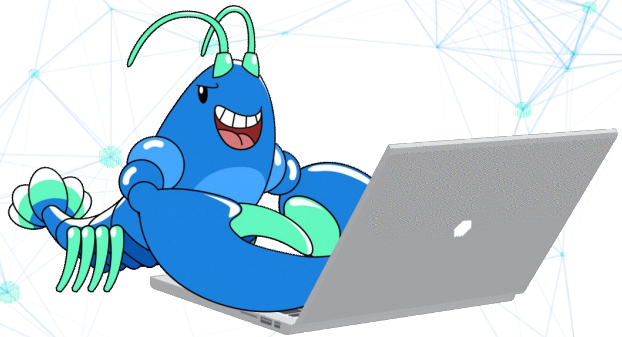
NEW

Buoyant Brown Bag (B^3) Sessions

MARCH: Eliminating cross-zone Kubernetes traffic with High Availability Zonal Load Balancing (HAZL)

Limited seats available!

Get on the waitlist!
buoyant.io/sma



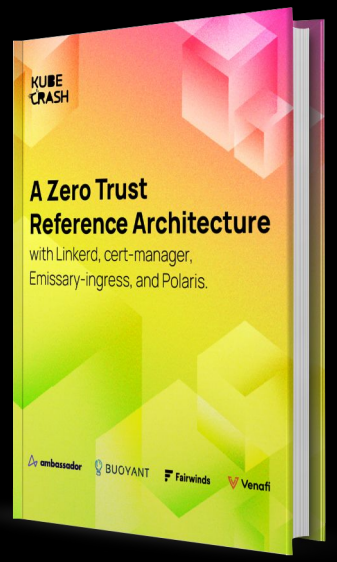
A Zero Trust Reference Architecture

with Linkerd, cert-manager, Emissary-ingress, and Polaris

60+ pages of highly technical open source content!

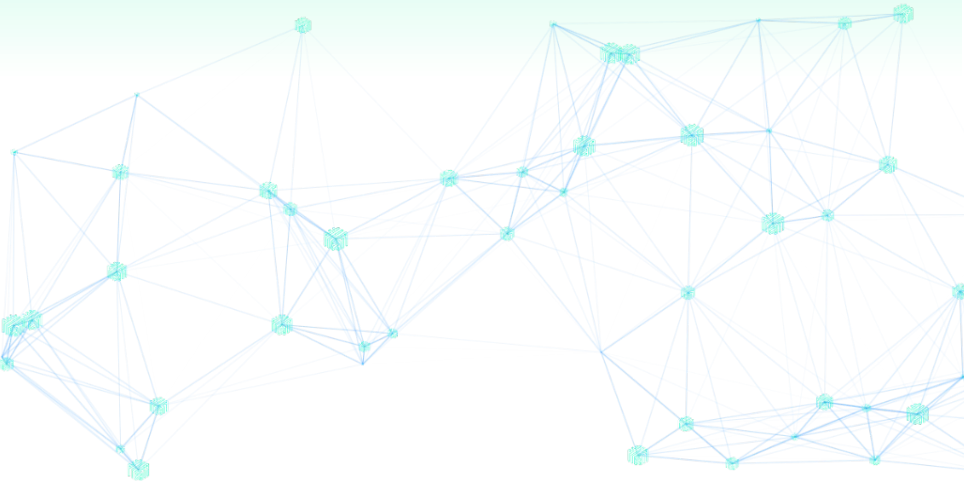
buoyant.io/**download/zero-trust-reference-architecture**

KUBE CRASH



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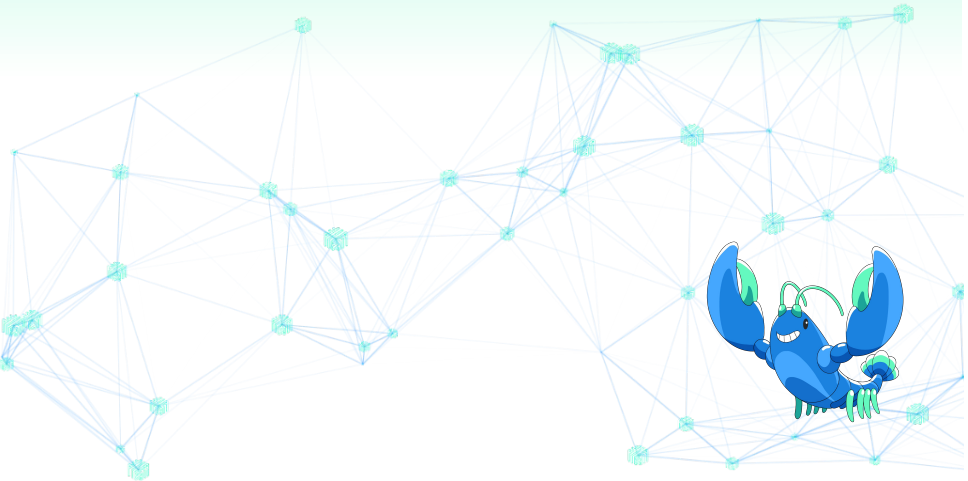
What's on the agenda?



- **Quick** discussion of what we mean by "mesh expansion", and then the
- **Demo!**

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How do you follow along?



- This is early enough that the source isn't yet available. 😢
- You will be able to find workshop source, when it's up, at

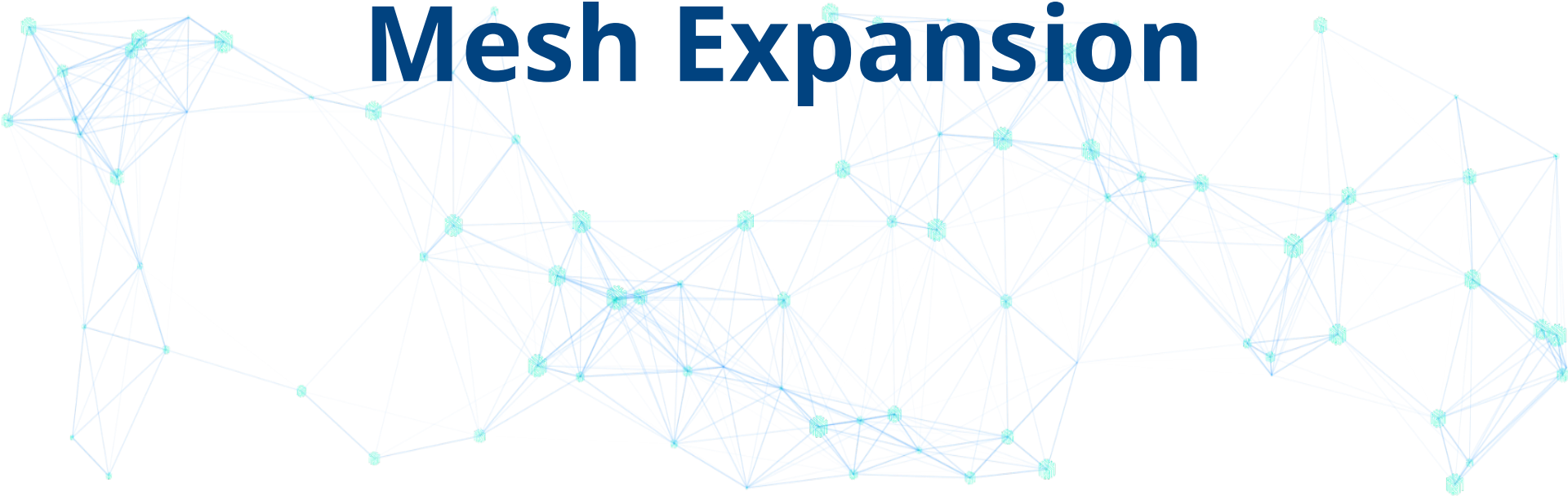
  https://github.com/BuoyantIO/service-mesh-academy/tree/main/2-15-mesh-expansion

- (2.15 hasn't yet shipped, so we're using `edge-24.1.3` today.)

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Mesh Expansion

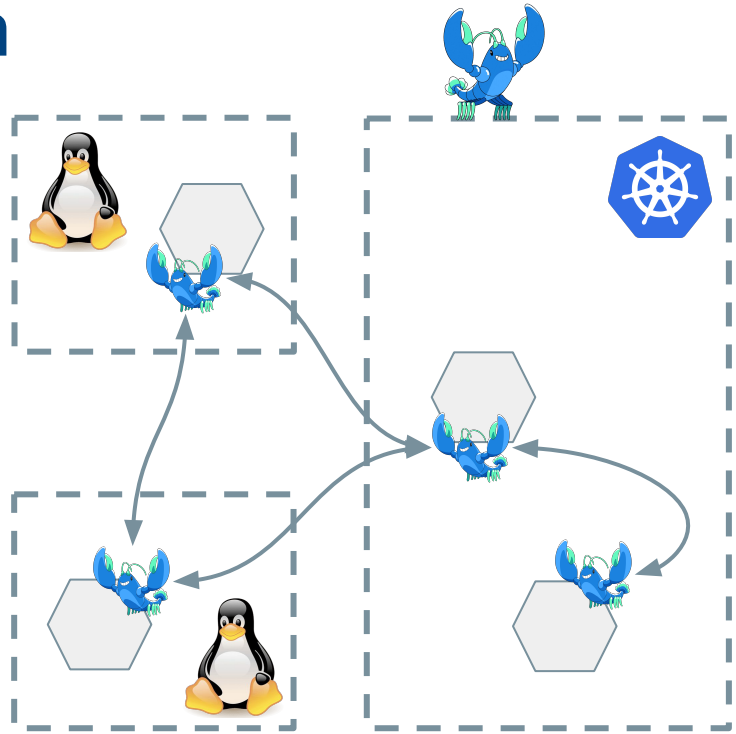


Mesh Expansion

- Allowing workloads that aren't in Kubernetes to participate in the mesh
- Coming in Linkerd 2.15, which will be released Soon™!
  - (think weeks, not months)

Extending the Service Mesh

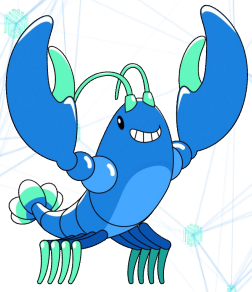
- Bring the mesh outside the cluster, all the way to VMs or edge devices
- Benefits
  - Access to legacy workloads
  - Access to smaller devices (the Linkerd proxy is very lightweight)
- Implementation
  - Run Linkerd proxy with custom iptables rules
- Challenges
  - Root of trust in shared system
  - Network / DNS
  - Currently assumes Linux



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DEMO 🤞



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- ➔ Built for the enterprise

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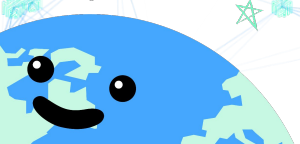


Get Certified! Fundamentals of the Service Mesh Online Course

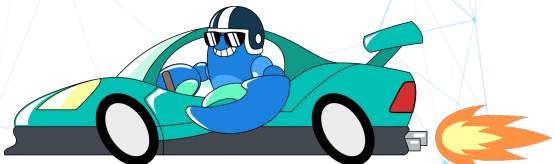
With hands-on LINKERD labs at learn.buoyant.io











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Q&A



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Thanks much!



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@flynn on slack.linkerd.io