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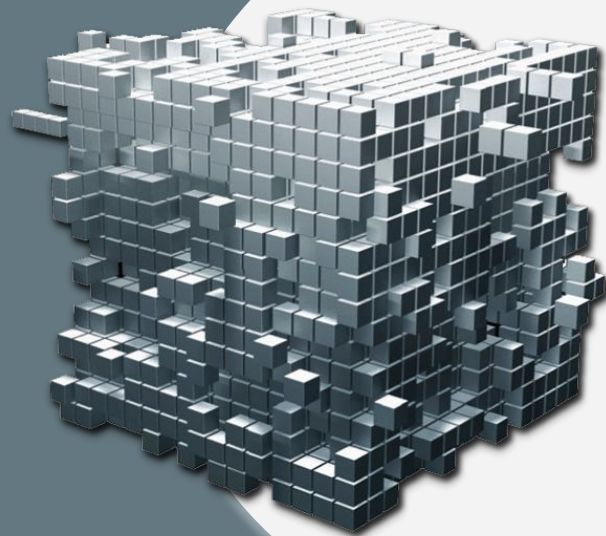
Benchmarking Service Meshes

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Adopter's Dilemma



Which service mesh to use?

Playground

*WHICH SERVICE MESH SHOULD I USE AND
HOW DO I GET STARTED?*

Learn about the functionality of different service meshes and visually manipulate mesh configuration.

What's the catch? Nothing's free.

Performance Benchmark

*WHAT OVERHEAD DOES BEING ON THE
SERVICE MESH INCUR?*

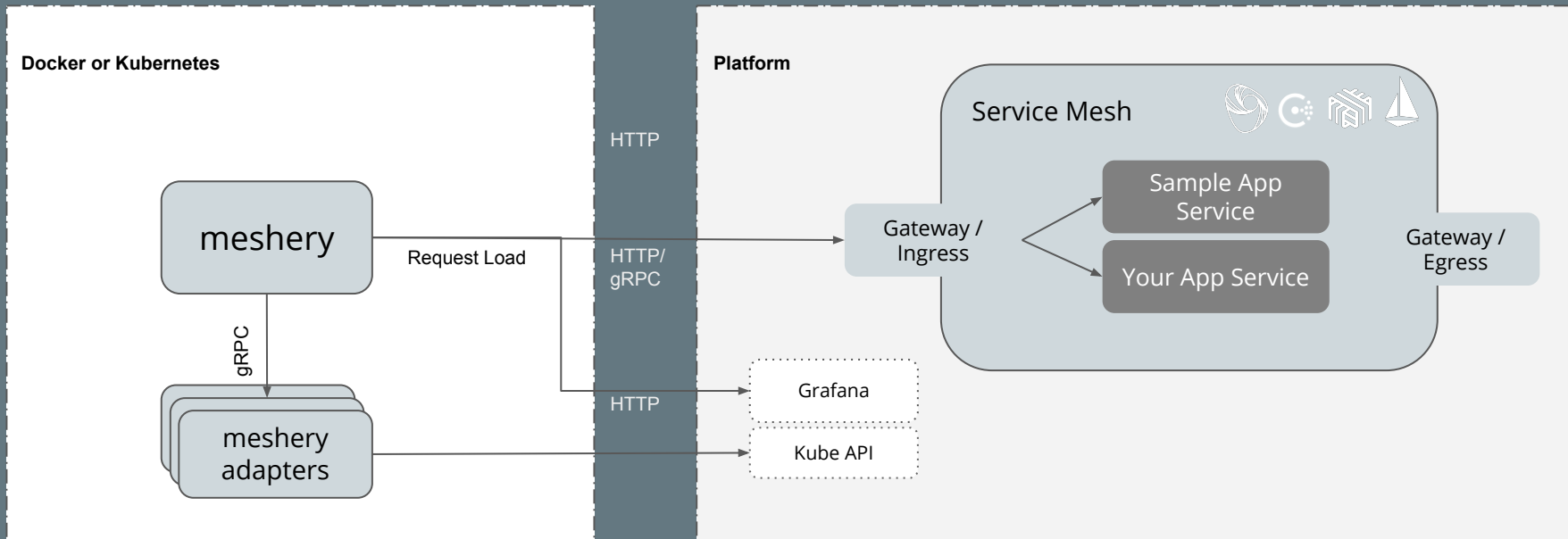
Benchmark the performance of your application across different service meshes and compare their overhead.

Meshery

*a multi-service mesh performance
benchmark and playground*



Architecture



Demo

- Deployment
 - Deployment of Meshery and sample app
- Configuration
 - Cluster, adapters and grafana
 - Configuration validation using Istio Vet
- Performance tests
 - View individual test result
 - Compare multiple tests (two)
 - Compare multiple tests (many)
- Benchmark Specification

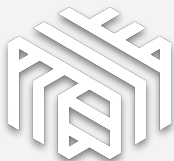
Side-by-side Performance



Istio



Linkerd



Consul



Octarine



App Mesh?

Results coming...

Upcoming presentations:

1. Container World
2. DockerCon
3. KubeCon EU

Service Mesh Benchmark Specification



A project and vendor-neutral specification for capturing details of:

1. Environment / Infrastructure
 - a. Number and size of nodes, orchestrator
2. Service mesh and its configuration
3. Service / application details

Bundled with test results.



See → github.com/layer5io/service-mesh-benchmark-spec

Thanks to our Contributors!

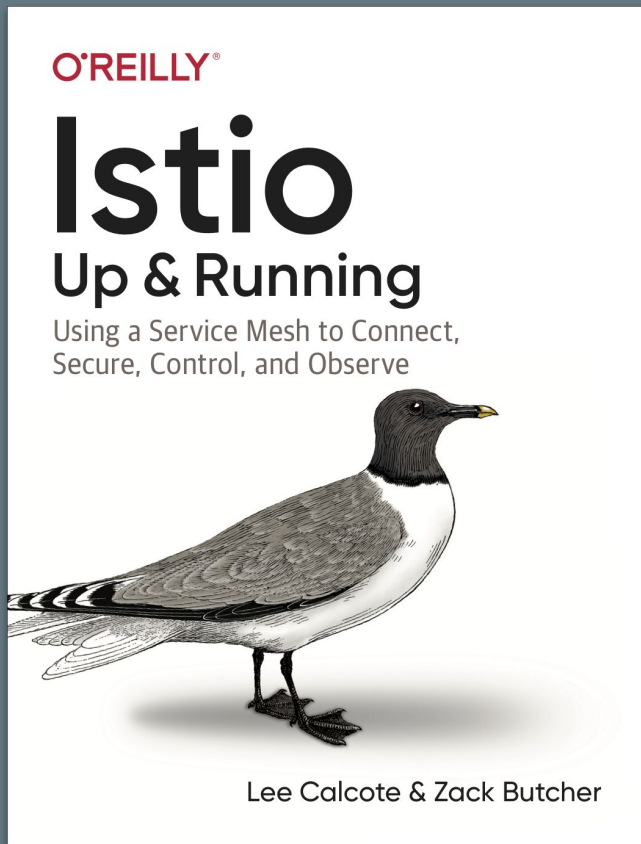


Join in!

<https://layer5.io/meshery>

Weekly community meeting, minutes and recordings.

Early Release coming soon...



Subscribe for *Early Release*

at

<https://layer5.io/subscribe>



Thank you