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Europe 2019

Autoscaling Multi-Cluster Observability with Thanos and Linkerd

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@siggy

What is a service mesh?



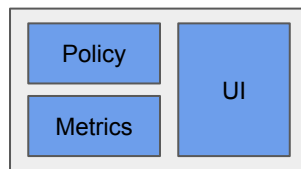
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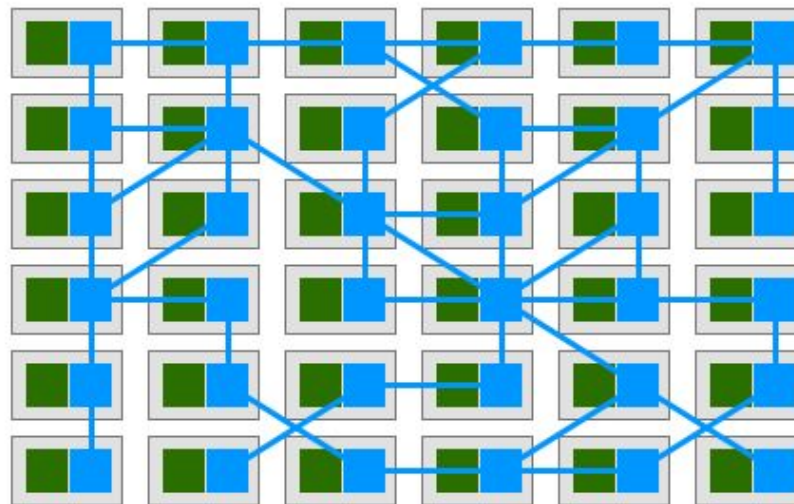
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Control plane



Data plane



Linkerd 1.x



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Linkerd 2.0

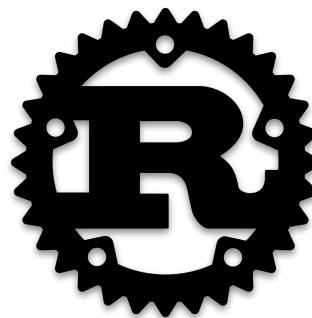
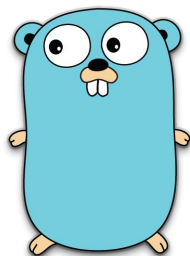


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Linkerd 2.0

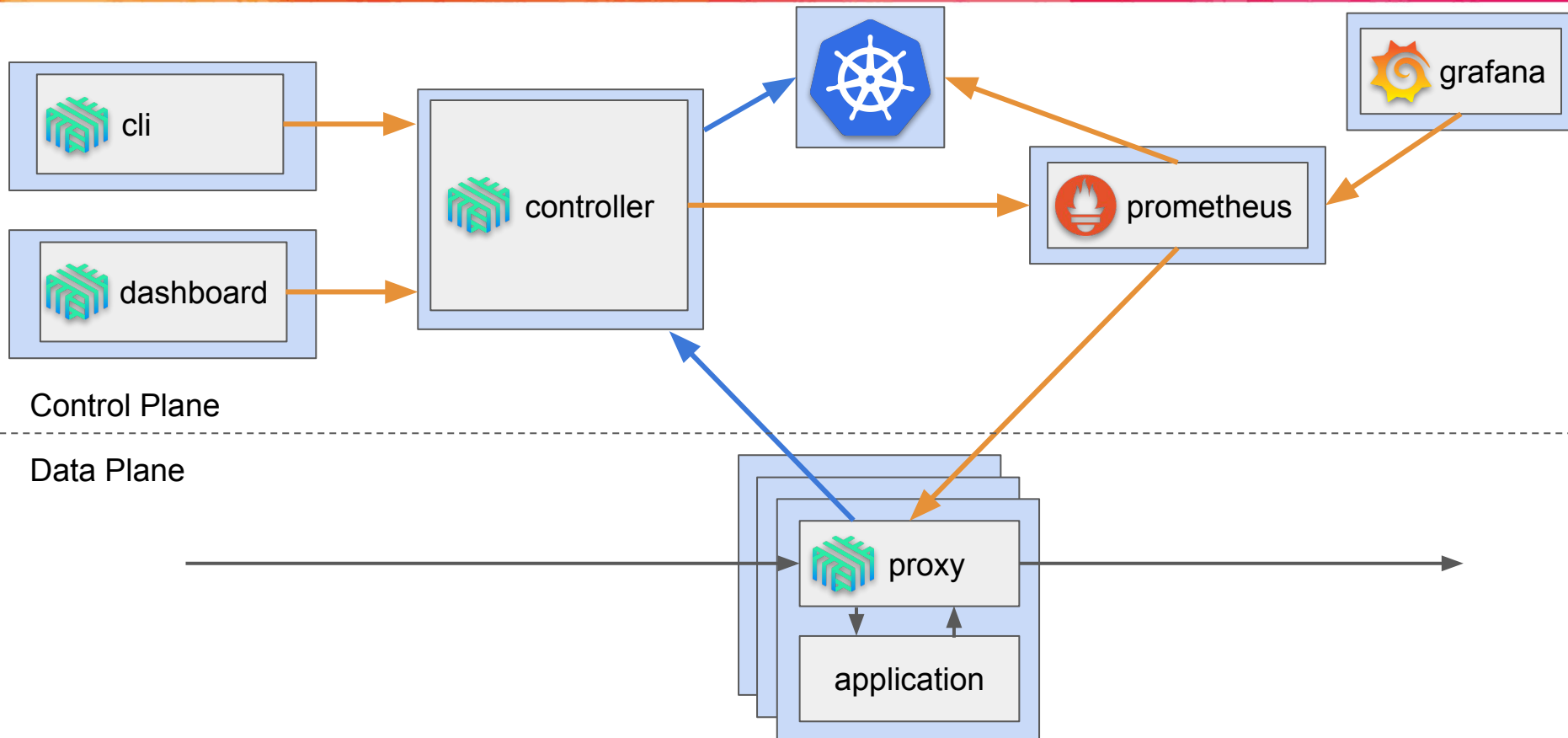


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Thanos



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- Distributed Prometheus
- Long term storage
- Global view
- Downsampling



Thanos

Anatomy of Thanos

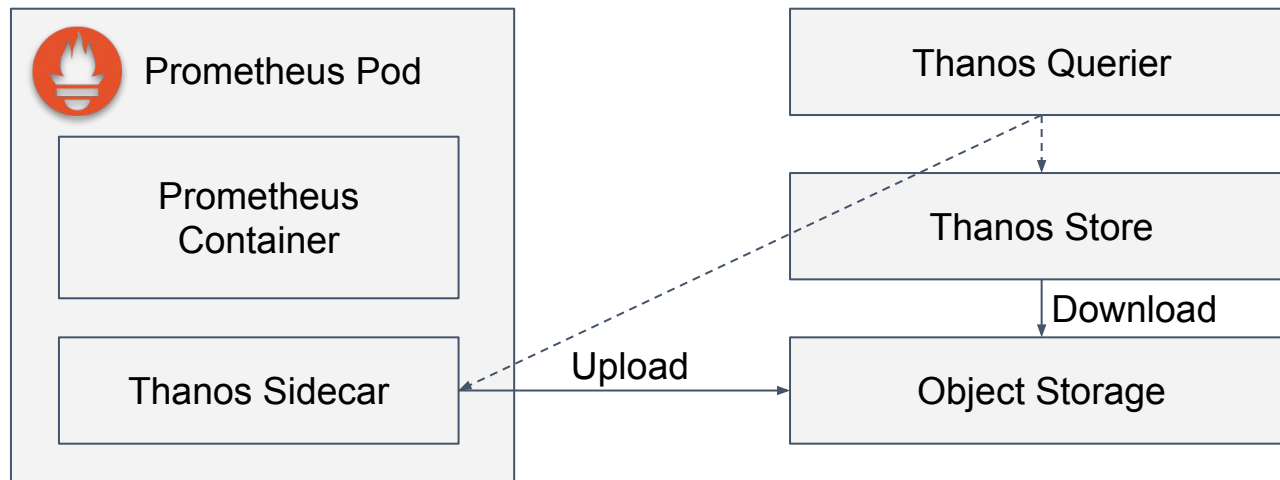


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----- StoreAPI

Anatomy of Thanos

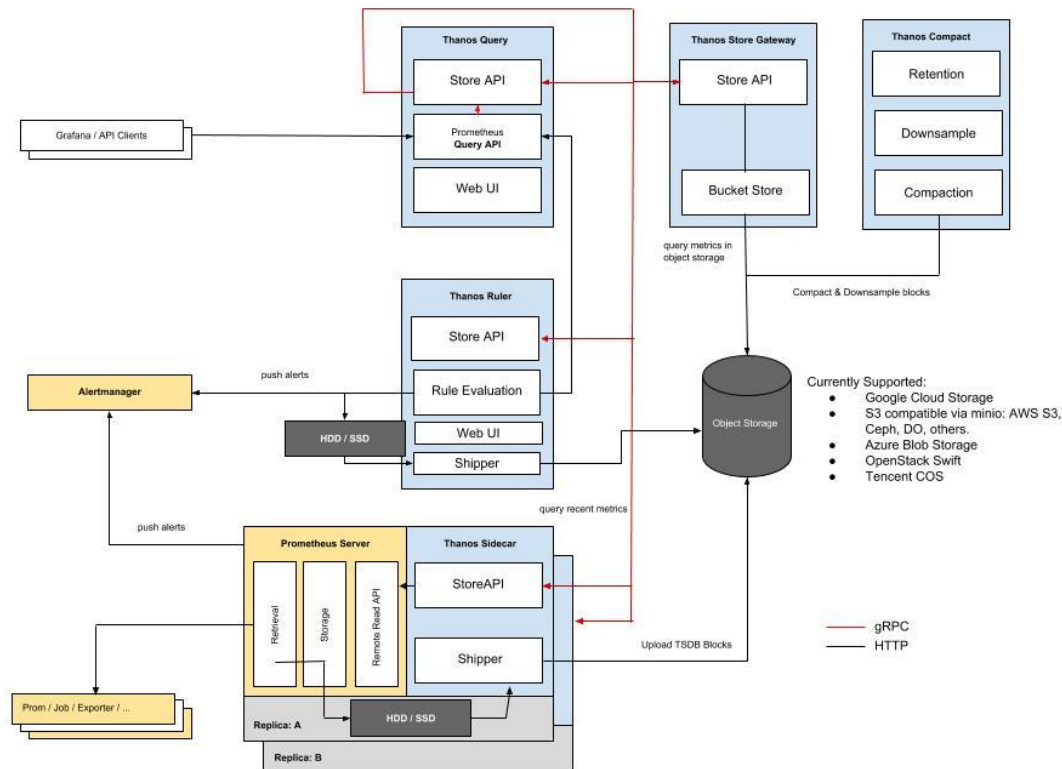


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Thanos deployment flexibility



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- StoreAPI - universal communication
 - Could run a store in each cluster
 - Could run a single store
 - Could run a querier in each cluster
 - Could use receive component

Thanos receive



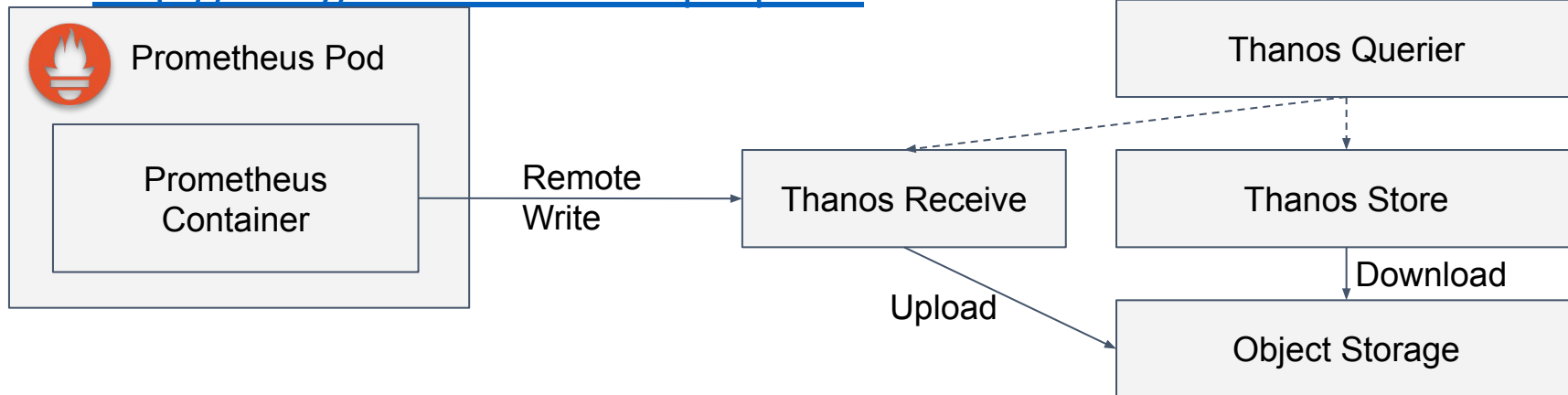
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- New component
- Accepts remote-write from Prometheus
- <http://bit.ly/thanos-receive-proposal>





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Architect to your need

Demo time!



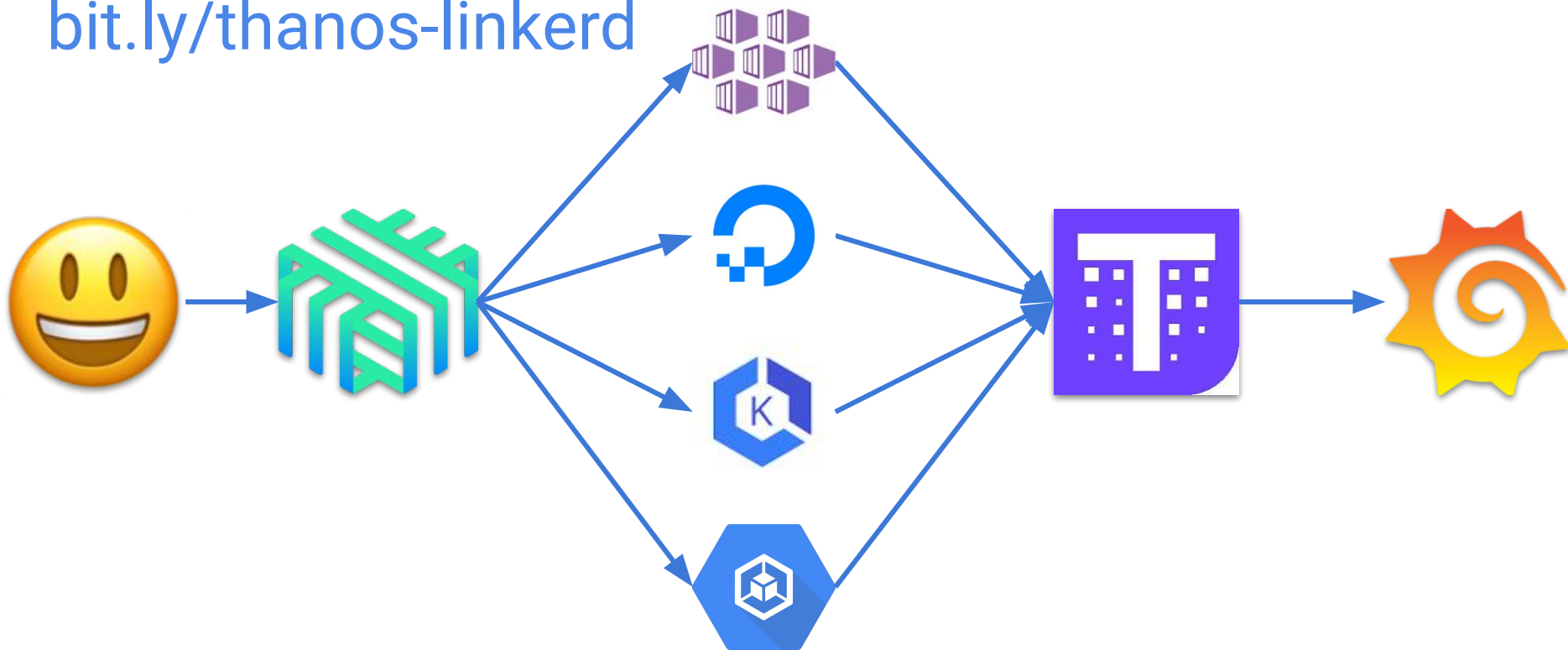
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bit.ly/thanos-linkerd



Autoscaling

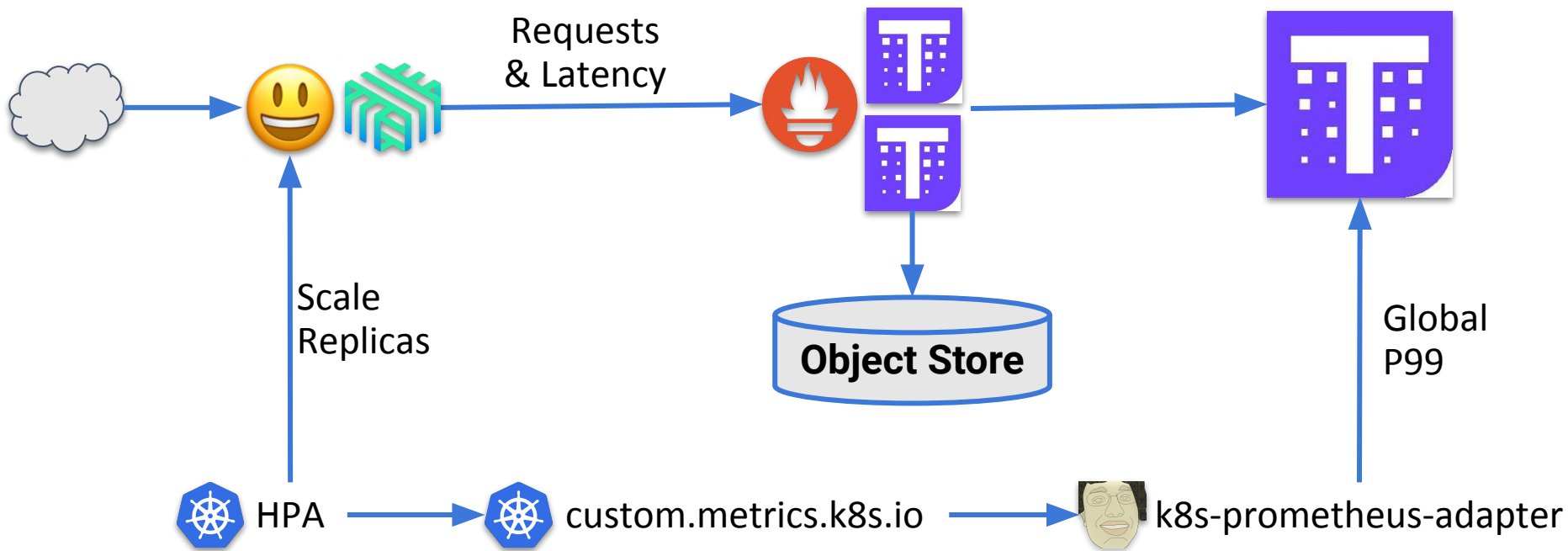


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An open source *service mesh* and
CNCF member project.

-  24+ months in production
-  3,000+ Slack channel members
-  10,000+ GitHub stars
-  100+ contributors



bit.ly/thanos-linkerd



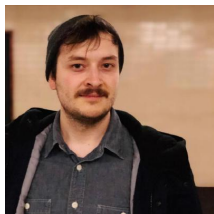
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Thank you!

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