Monitoring Kubernetes

The Open Source Way





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What's the plan?

- Demo
 - github.com/joe-elliott/open-source-observability
- Open Source Observability
- Intermediate Kubernetes Level
- Loki/Prometheus/Grafana
 - No Tracing :(
 - grafana.com/go/webinar/introduction-to-distributed-tracing/



Demo!



Grafana

- Visualization Layer
- Dashboard and Ad Hoc Exploration
- Big Tent Philosophy
 - Supports our own products as well as competitors



https://grafana.com





Loki

- Index tags only
 - {app="loki", env="prod"}
 - Distributed Grep
- Clients Supported
 - Promtail, Fluentd, Fluentbit, Docker driver
- LogQL (based on PromQL)









Prometheus

- Started at SoundCloud in 2012
 - Descendant of borgmon
- Flexible and Powerful Query Language
- "Pull" based architecture
 - HTTP GET /metrics
- Operationally simple
- Extremely wide support











Getting involved



Open Source





