

**gitops**

# whoami

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# agenda

- the problem
- a viable solution
- monitoring & observability

# **the problem**

changes are made without anyone knowing

# **the old / manual way**

everything is deployed manually

# the semi-automated way

- configuration in git
- custom deploy scripts
- ansible executed locally

**the solution**

# ci/cd

- iac / cac
- rollout via ci/cd



**demo**

# gitops

- controlled via agent in cluster
- reconciliation with source of truth (git)

# installing fluxcd

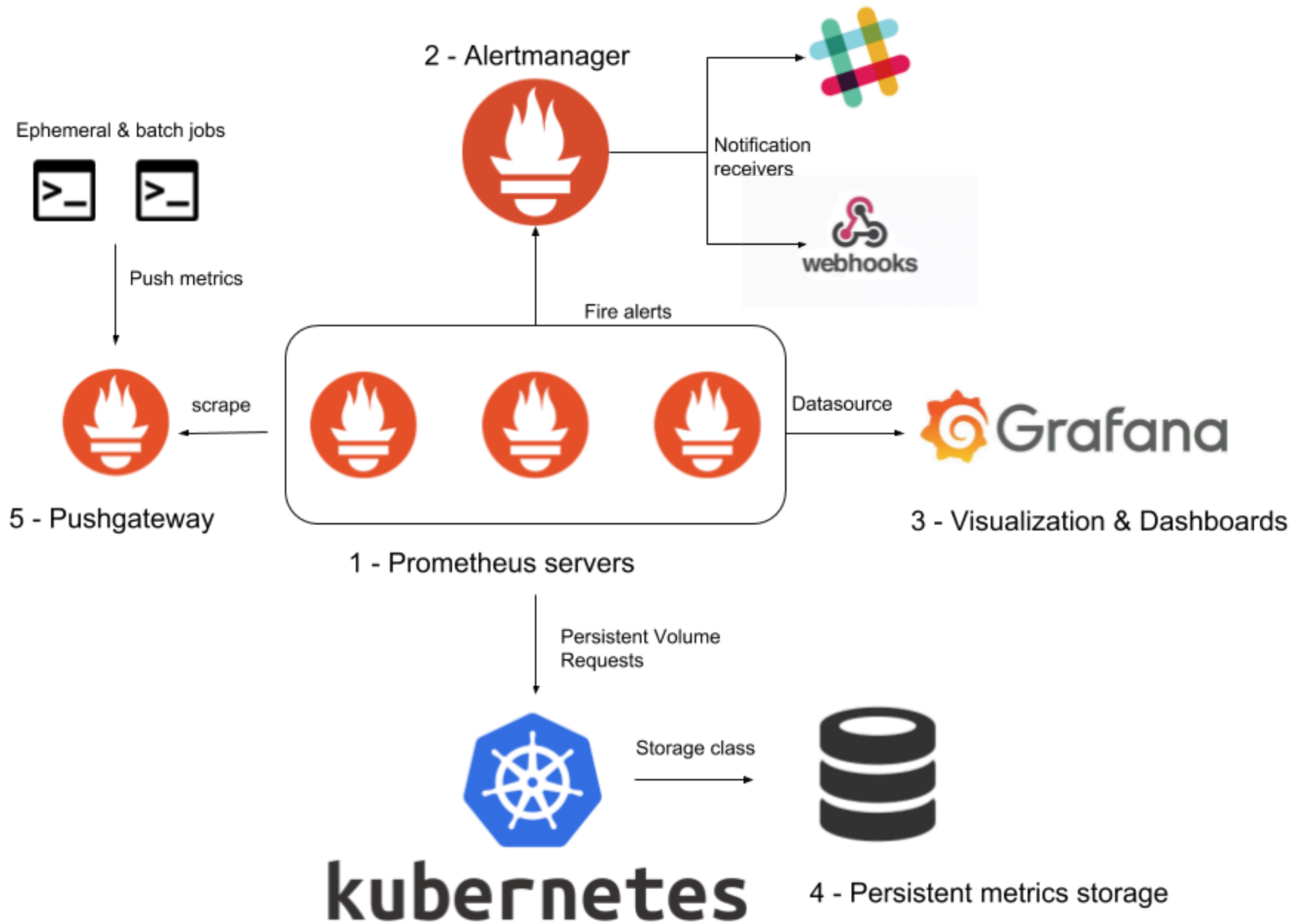
```
flux bootstrap github \  
  --owner=aschbacd-labs \  
  --repository=iac \  
  --branch=main \  
  --path=./flux/clusters/minikube \  
  --token-auth
```

**demo**

**monitoring & observability**

# monitoring & alerting

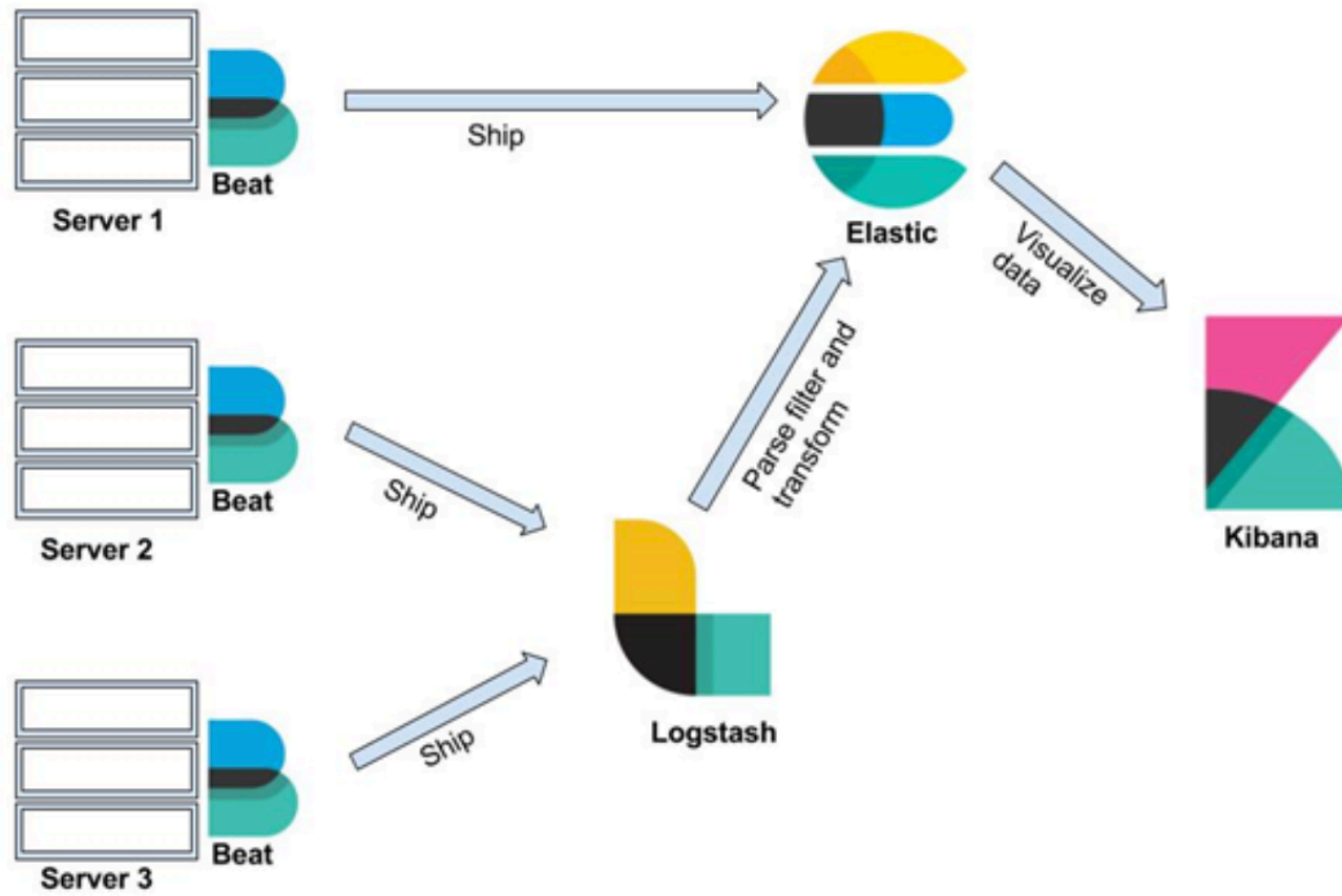
- prometheus (exporters)
- alertmanager
- grafana



# logging

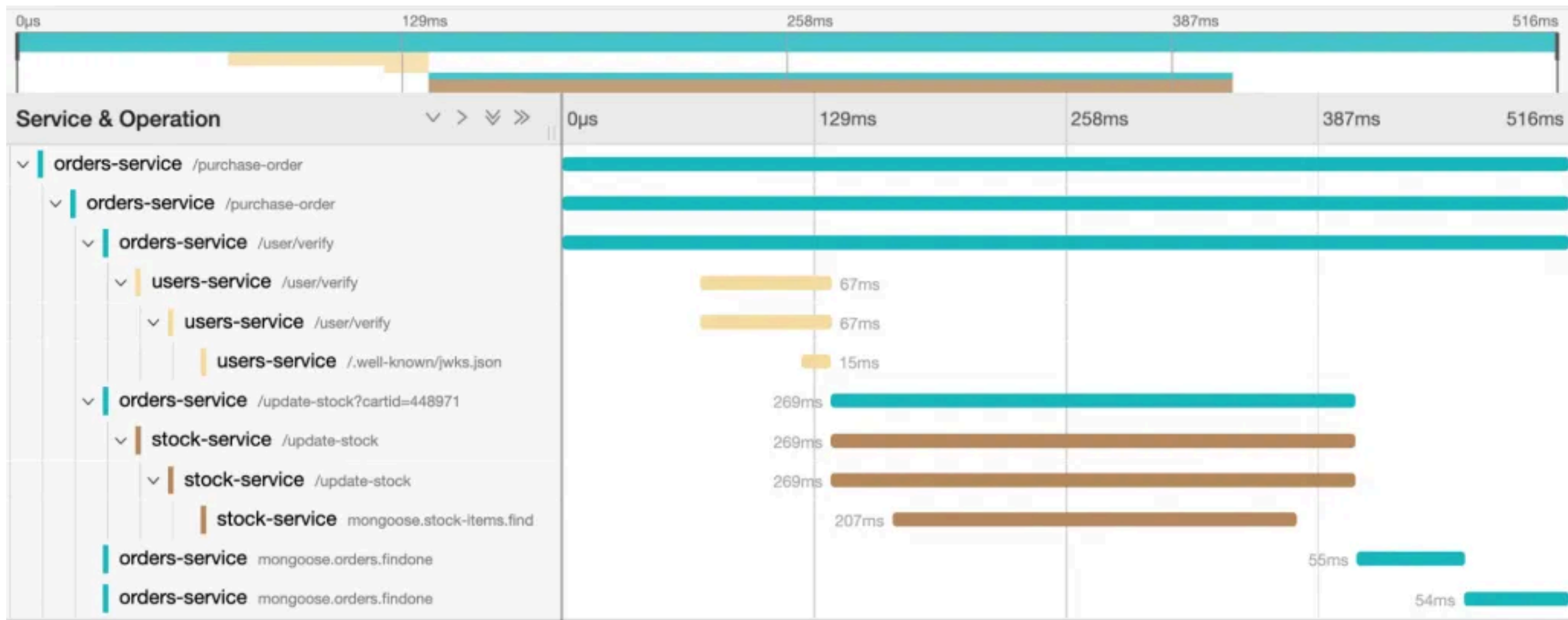
- elasticsearch





# tracing

- opentracing (jaeger)
- dynatrace



# sum

- use git / iac
- create useful alerts
- collect logs centrally

**questions?**