Thanos

Transforming Prometheus to a Global Scale in a 7 Simple Steps

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“Improbable’s platform, SpatialOS, is designed to let anyone build massive simulations, running in the cloud: imagine Minecraft with thousands of players in the same space or researchers creating simulated cities to model the behaviour of millions. Its ultimate goal: to create totally immersive, persistent virtual worlds.”

- WIRED, May 2017
Introduction to example eu1 and us1 clusters monitored by Prometheus.

What is missing for Global Scale?

Demo of seven simple steps for gradual move to Thanos.
Now is time...

..for a live demo!
Initial monitoring setup

eu1
- Grafana
- Prometheus
- SSD

us1
- Prometheus
- SSD

Alertmanager

HTTP AlertAPI
HTTP QueryAPI
Global View + HA

- **eu1**
  - Grafana
  - Querier
  - Prometheus
  - SSD

- **us1**
  - Alertmanager
  - Prometheus
  - SSD

Connections:
- **HTTP AlertAPI**
- **HTTP QueryAPI**
- **gRPC StoreAPI**
Unlimited retention
...psst, join our Thanos community on slack if you have further questions!

Prometheus: https://prometheus.io/docs/
Kubernetes: https://kubernetes.io/docs/home/
Thanos & link to slack: https://github.com/improbable-eng/thanos
Demo: https://github.com/improbable-eng/thanos/pulls