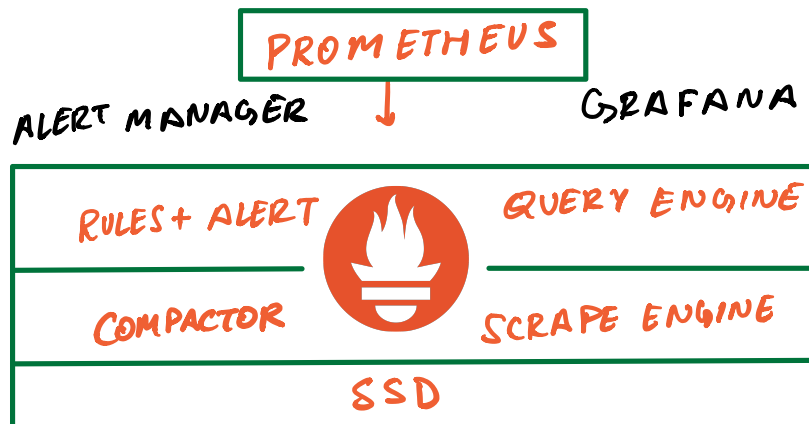


THANOS



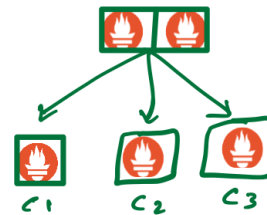
Prometheus
Goes Down.?



Storage? 

Scaling?

Scraping metrics from 1000's clusters?



FEDERATED
ARCHITECTURE

THIS IS WHERE THANOS COMES IN


Thanos

THANOS -

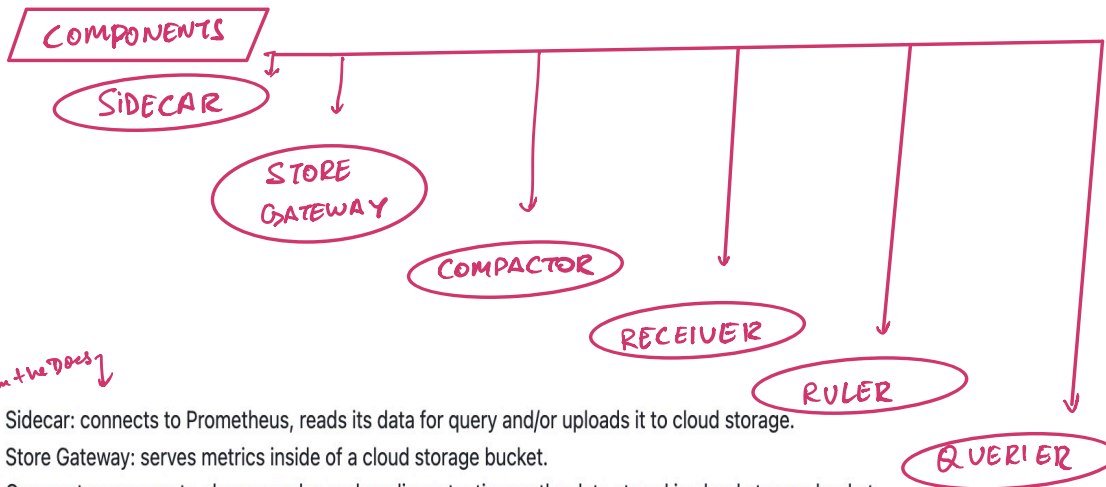
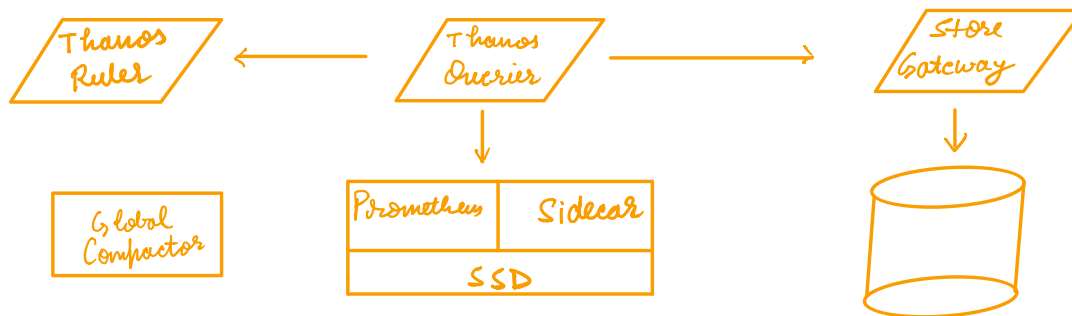
- HA PROMETHEUS
- GLOBAL QUERY VIEW
- LONG TERM STORAGE
- DOWNSAMPLING

NOV 2017

CNCF
INCUBATING

THANOS

↓
Distributed Prometheus
↓
Scaling Prometheus
↓



from the Docs ↓

- Sidecar: connects to Prometheus, reads its data for query and/or uploads it to cloud storage.
- Store Gateway: serves metrics inside of a cloud storage bucket.
- Compactor: compacts, downsamples and applies retention on the data stored in cloud storage bucket.
- Receiver: receives data from Prometheus's remote-write WAL, exposes it and/or upload it to cloud storage.
- Ruler/Rule: evaluates recording and alerting rules against data in Thanos for exposition and/or upload.
- Querier/Query: implements Prometheus's v1 API to aggregate data from the underlying components.