What's new in Prometheus 2.0

Tom Wilkie GrafanaLabs

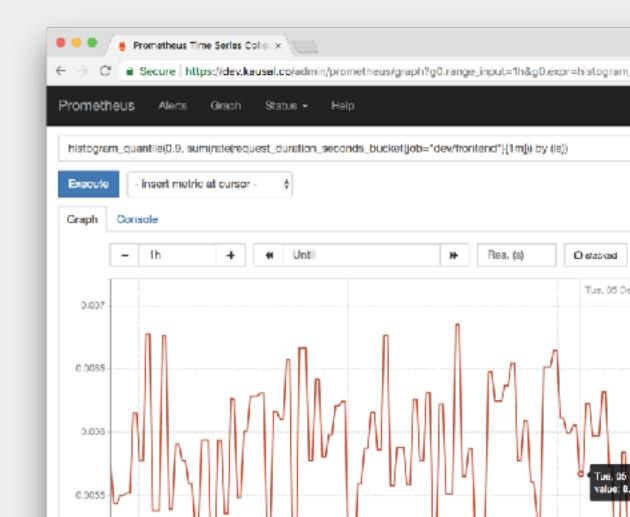




Prometheus

Open source monitoring system, for dynamic environments.

Powerful, concise query language. Simple operational model. Efficient local storage.



Prometheus History

<0.9.0:

- Basic TSDB, primitive PromQL
- 50k samples/s

0.9.0: TSDB v2 by Beorn:

• 800k/s, Gorilla, 10M timeseries

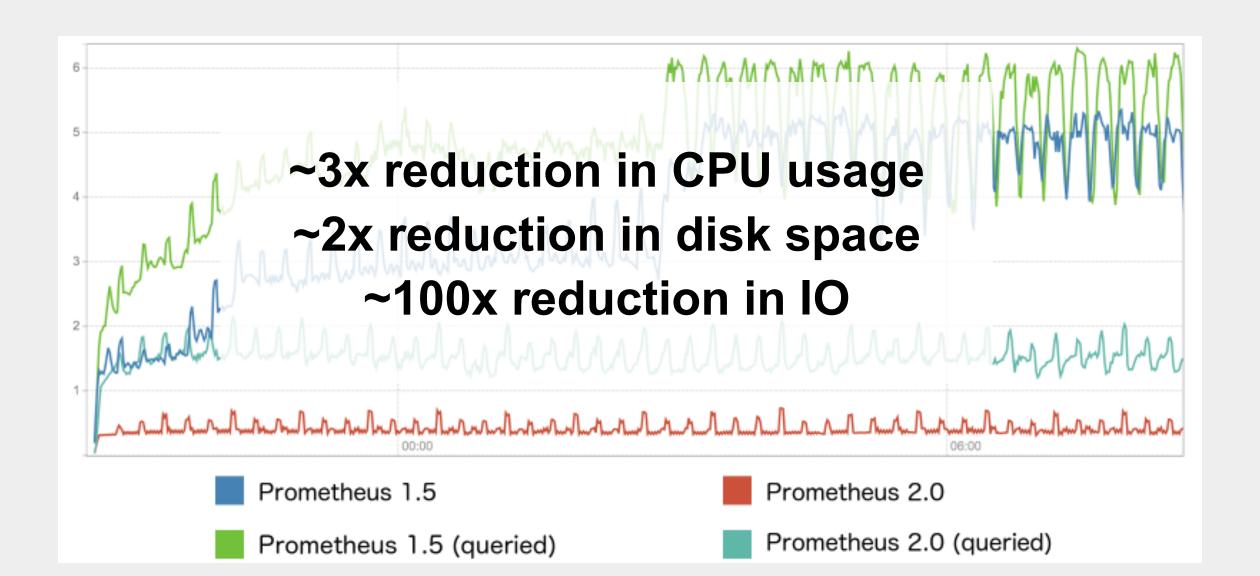
2.0.0: TSDB v3 by Fabian:

- "millions" samples/s
- WAL, mmap

Prometheus 2.0

- Optimized for Kubernetes
- Brand new storage engine
- Significantly improved performance
- Aimed at highly dynamic environments, CI/CD.
- Big thanks for Fabian Reinartz, Brian Brazil and Goutham Veeramachaneni for making this happen.

Prometheus 2.0



Staleness Handling

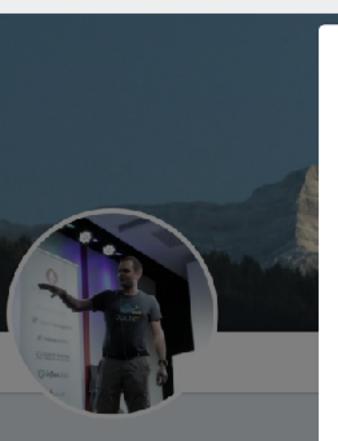
Previously if a target went down, last value would be returned for 5 minutes.

In Prometheus 2.0 the value will stop being returned after a scrape interval.

Simpler to understand, and no more double counting of fast restarting servers!



Community



grealish

@grealish

#DevOps, CI/CD, #Terraform #Ansible @Docker @OpenShift, Wireless & Microwave IP nerd, worked w/ #GoLand, #Scala,

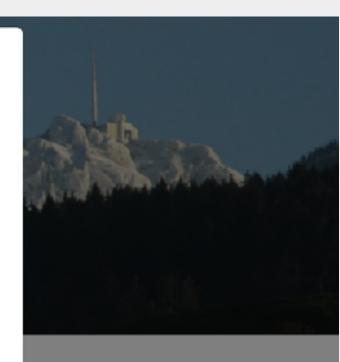


Impressive, from the @grafana uptime stats, 16k @PrometheusIO servers running in 2017 #PromCon2017

Follow



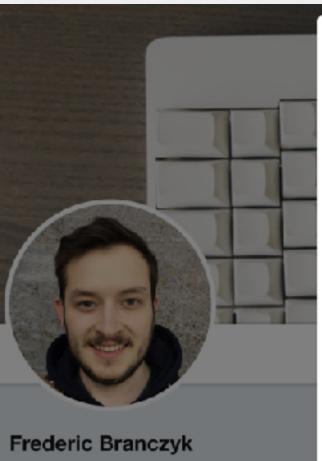
11:04 AM - 17 Aug 2017



© 2017 Twitter About Help Center Terms Privacy policy Cookies Ads info

Community

14,989

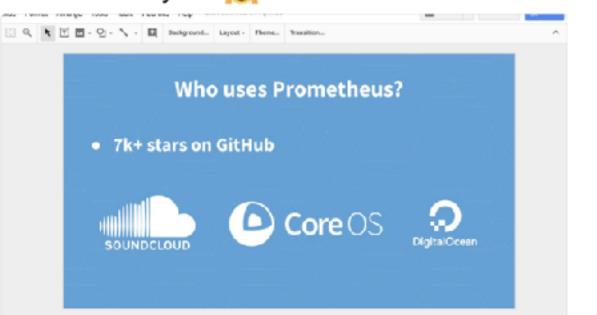


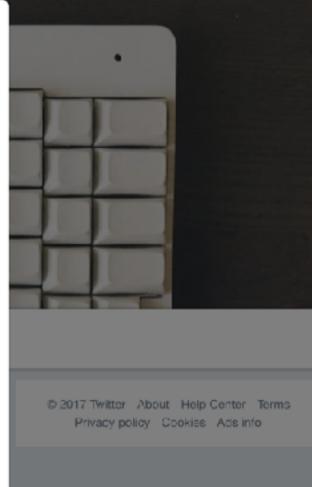
@fredbrancz Follows you

Engineer @CoreOS. @PrometheusIO & @KubernetesIO kube-state-metrics maintainer. Distributed systems, crypto &



Was going through some slides from a talk I gave last year December, and realized
@PrometheusIO gained more than 6k stars over the last year



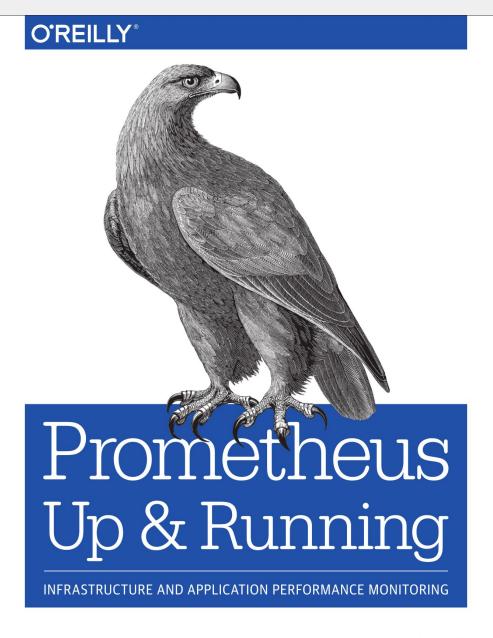


Community



220 attendees - 2.7x bigger than 2016

PromCon 2017: Aug 9th & 10th



Prometheus: The Book

Coming in 2018!

Brian Brazil

