

Fall In Love With Graphs And Metrics Using Grafana

grafana.org github.com/grafana/grafana @grafana

Grafana



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- Stockholm, Sweden
- @torkelo

Open Source

THE YEAR WITHOUT PANTS



WORDPRESS.COM and the *future* of work

SCOTT BERKUN

JI JOSSEY-BAS

1 years later





raintank All Tags

Tour Plugins Resources -

Support Plans

Log In





Plugin Type:











worldPing by Raintank





Snap App by Raintank

Snap Data Source and API UI

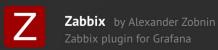






Example App by Grafana Project Example app for Grafana









Clock by Grafana Project



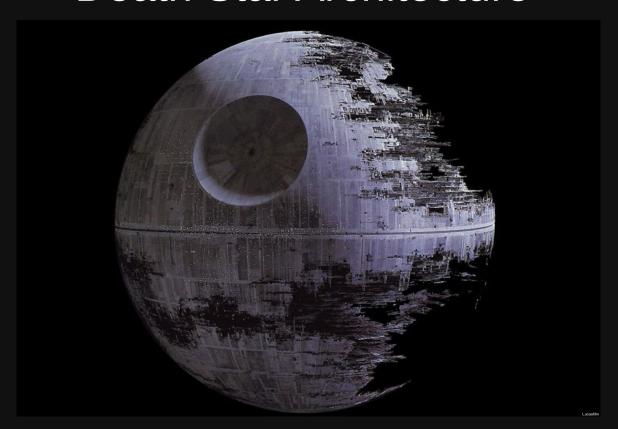
Agile

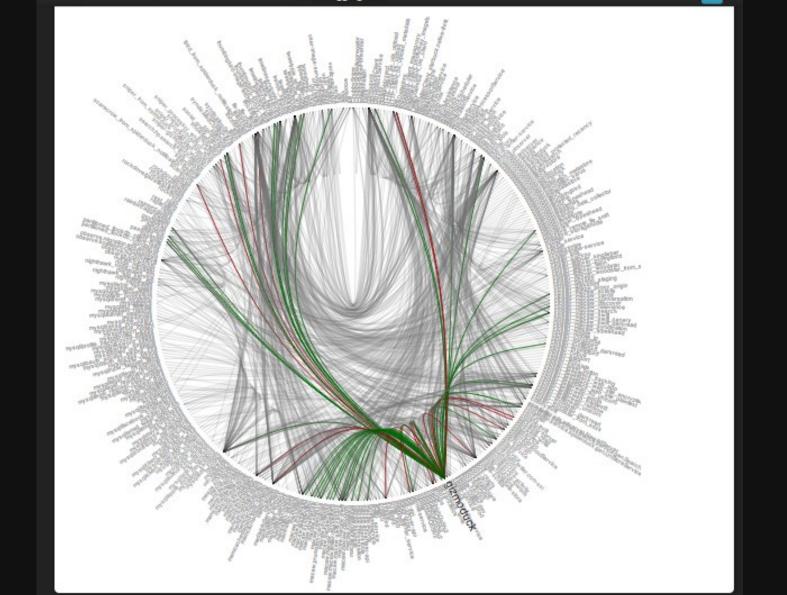
TTD

Continuous Delivery

Micro Services

Death Star Architecture





Observability

Time Series Database (TSDB)

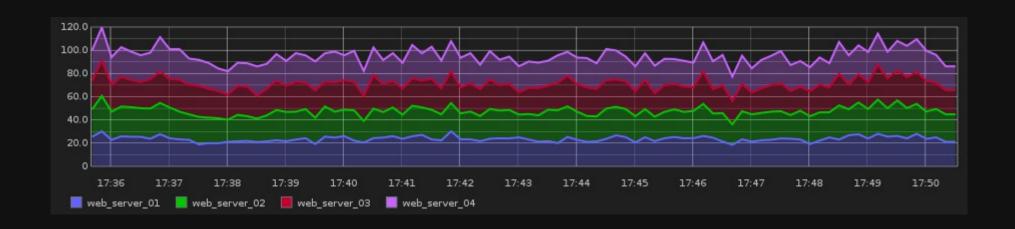
Write & Query API designed for Time Series

Graphite

INPUT

apps.server1.counter.login.count 10 1398969187

prod.apps.*.counter.login.count



sumSeries(prod.apps.*.counter.login.count)

movingAverage(scaleToSeconds(prod.apps.*.counter.login.count, 1), 5min)

timeShift(prod.apps.*.counter.login.count, 1d)

Measure Anything, Measure Everything 2011

StatsD

```
stats.increment("logins")
```

SHOW ME THE DATA!



Visualization Tools



Why Build Grafana?

Scratching my own itch

Infrastructure monitoring

Application metrics

Process control

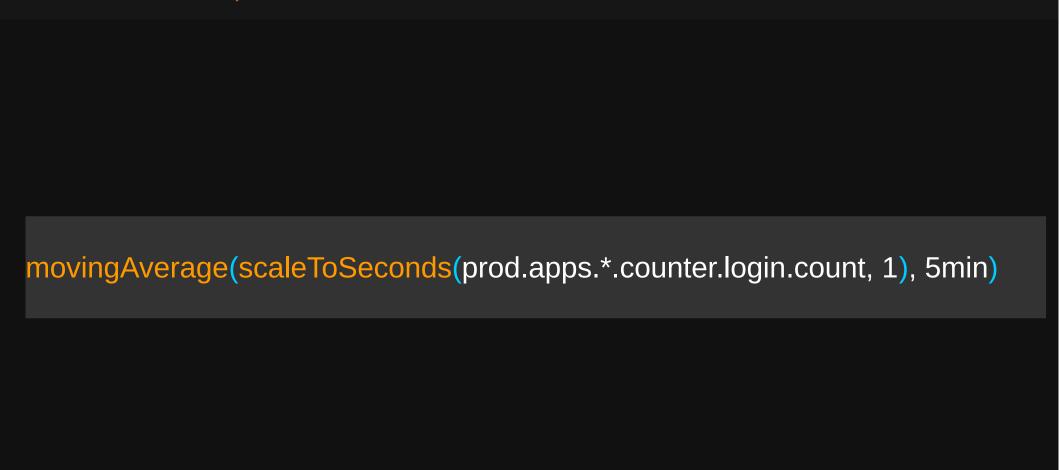
Time series visualization

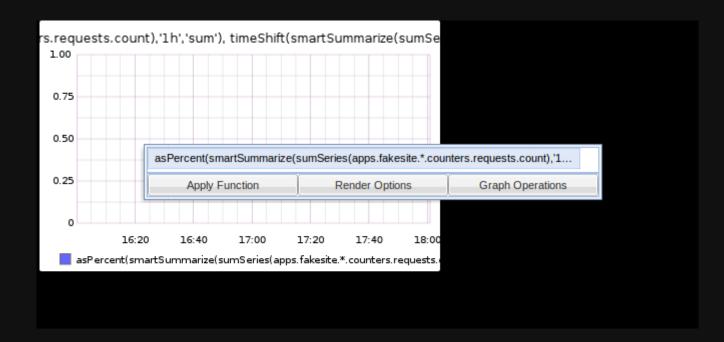
Industrial sensors

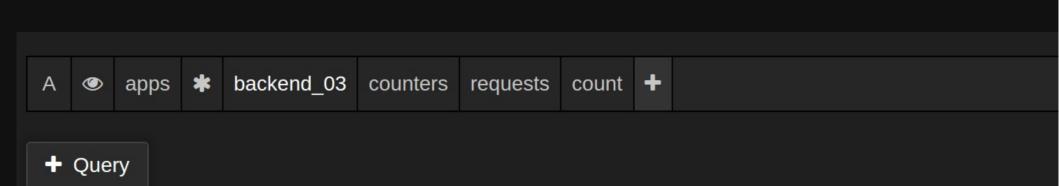
Weather

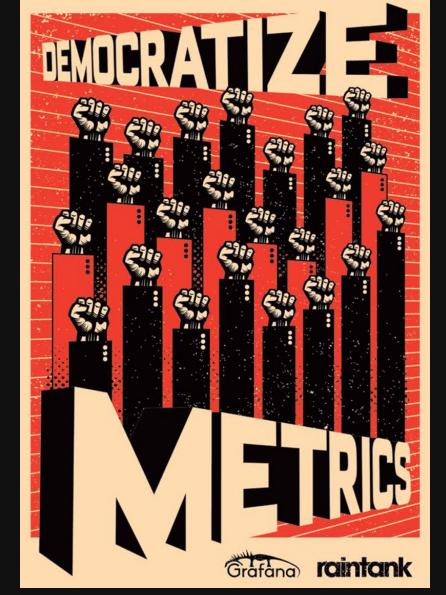
Home automation

Accessable

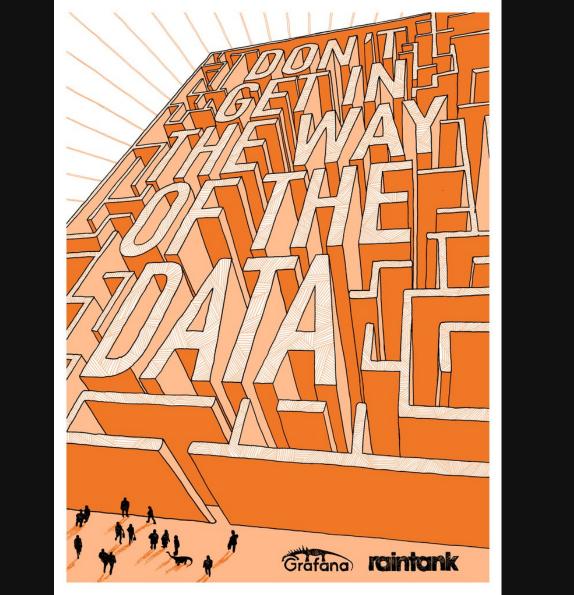




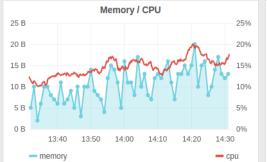




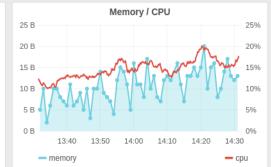
Beautiful



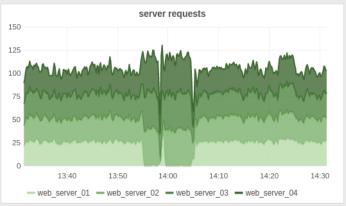




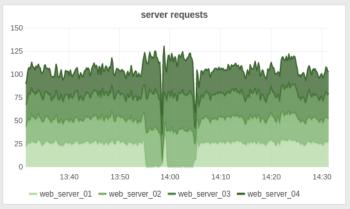


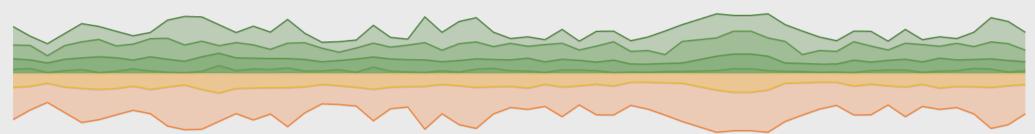






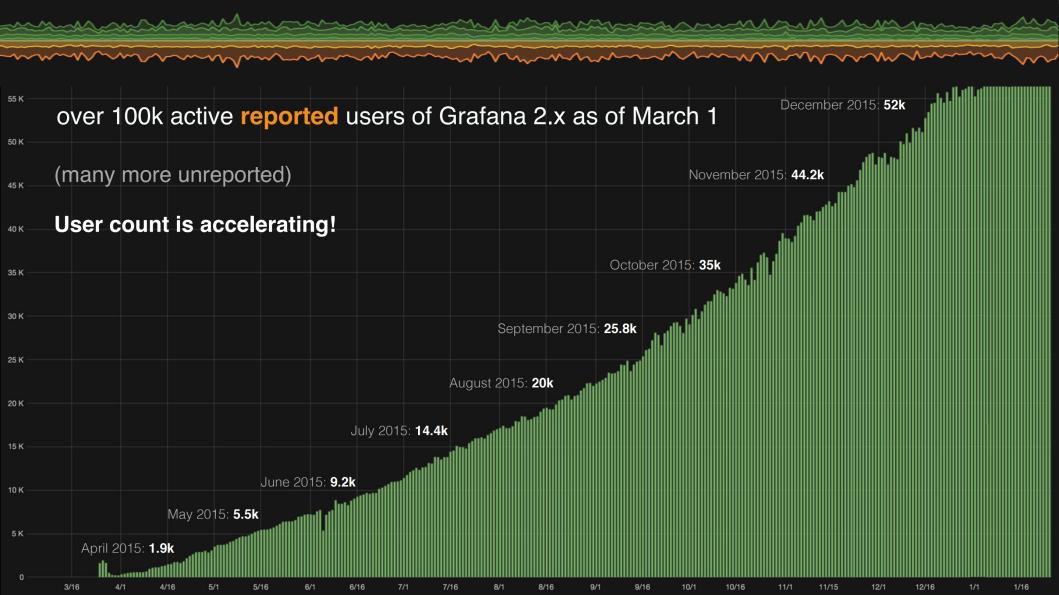






Grafana Project

- First Release Jan 2014
- 15 feature releases
- 9300+ stars on github
- 1372 forks
- 251 contributers





















Bloomberg



B B C NEWS













































Booking.com

Etsy



OpenTSDB

Elasticsearch

Graphite

Data Sources

Prometheus

Cloudwatch

InfluxDB

KairosDB

Zabbix Gnocchi OpenNMS DalmatinerDB Druid Tour Plugins Resources -

Support Plans

Log In





Plugins.

Plugin Type:









worldPing by Raintank

alerts on the global performance and...





Snap App by Raintank







Example App by Grafana Project







Zabbix by Alexander Zobnin







Clock by Grafana Project



Demo



Whats next for the Grafana Project

- More people
- More visualizations
- Alerting

Tour Plugins Resources -

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Plugins.

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Data source







worldPing by Raintank





Snap App by Raintank

Snap Data Source and API UI







Example App by Grafana Project Example app for Grafana





Zabbix by Alexander Zobnin





Clock by Grafana Project



The pillars of Grafana.net



Visualize and Analyze

Grafana provides a powerful and elegant way to create, explore and share dashboards and data with your team and the world. Hosted or on premise, new or existing installations, it's your choice.



Extend and Share

Get a unified understanding of your existing data, and across your entire stack. Harness the power and creativity of our community, and discover and share new dashboards, panels, data sources, and entire applications.





Host and Scale

Do you really want to be in the business of scaling Graphite? Combine your existing onpremise data sources with a fully interoperable, hosted Graphite and Elasticsearch data sources. It's the scalable, cost-efficient option for all your signals and metrics.





Support and Protect

Monitor the health of all your Grafana installations no matter where they are. Back up all your dashboards and get up to 24x7 production assurance, backed by the support and advice of the core Grafana team.

Learn More



Q & A

- grafana.org
- github.com/grafana/grafana
- grafana.net
- @grafana
- @torkelo