

## Prometheus Ioves Grafana

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## Prometheus

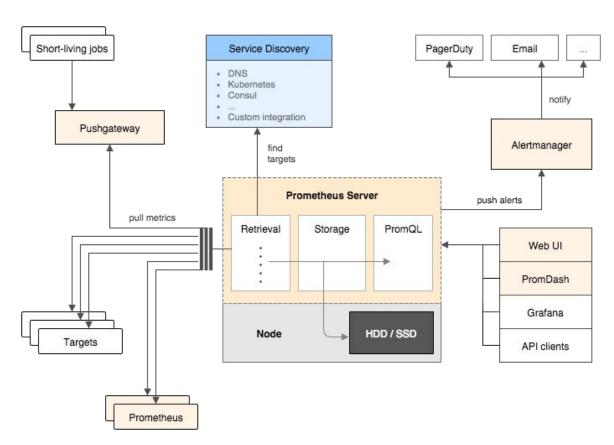
http://prometheus.io

An open-source service monitoring system and time series database.

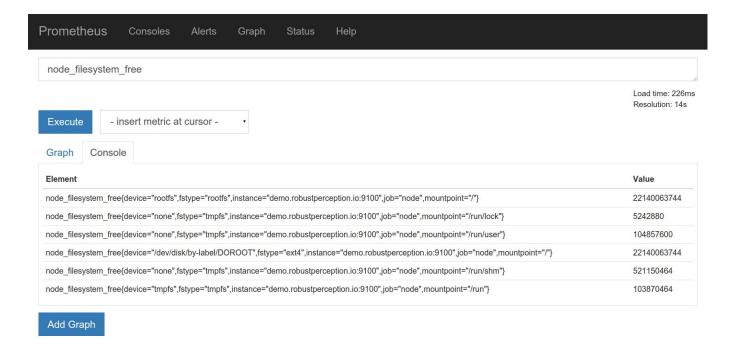
### Prometheus - Overview

- multi-dimensional data model
- PromQL a flexible query language
- operationally very simple, just a single binary
- pull model to collect data
- many client libraries available (Go, Java, Python, Ruby, ...)
- growing amount of exporters
- several graphing solutions available

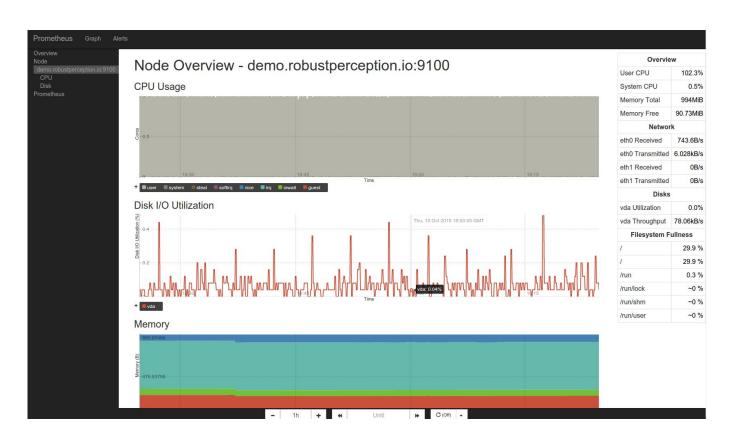
### Prometheus - Architecture



## Prometheus - Expression browser



## Prometheus - Consoles



## PromDash



#### PromDash - Overview

- Prometheus' dashboard editor
- Started mid 2013
- GUI to build dashboards
- Rails+MySQL backend, dashboards saved as JSON
- Angular+Rickshaw(D3) frontend

## Demo



# "The power of Prometheus meets the beauty of Grafana. Dashboard all the things!"

Jimmi Dyson @jimmidyson

main contributor of the Grafana Prometheus integration

## Comparison

#### Promdash

- metric source templating
- legend formatting
- easier to move in time
- native iframe panel support
- some workflows are faster\*

#### Grafana

- better navigation
- powerful templating
- lots of graph styling options
- flexible dashboard arrangement
- more mature
- active and big community

<sup>\*</sup> subjective

## Suggested roadmap

- 1. Support metric source templating in Grafana
- 2. Write Grafana exporter for PromDash
- 3. Let SoundCloud test Grafana and the migration
- 4. Propose official switch to the Prometheus community

# Thank you

@dagrobie

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