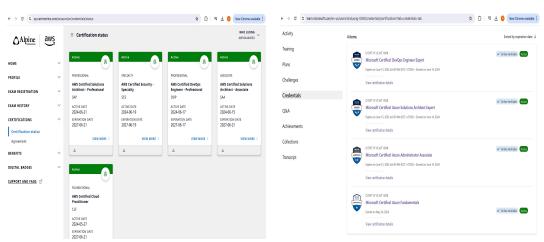
## Prometheus vs Grafana Overview

Author: Nho Luong







# **Prometheus**

http://prometheus.io

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

**Author: Nho Luong** 

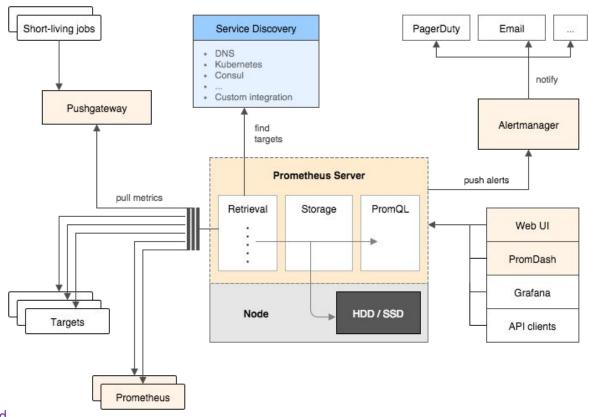
#### Prometheus - Overview

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, ...) ogrowing amount of exporters

several graphing solutions available

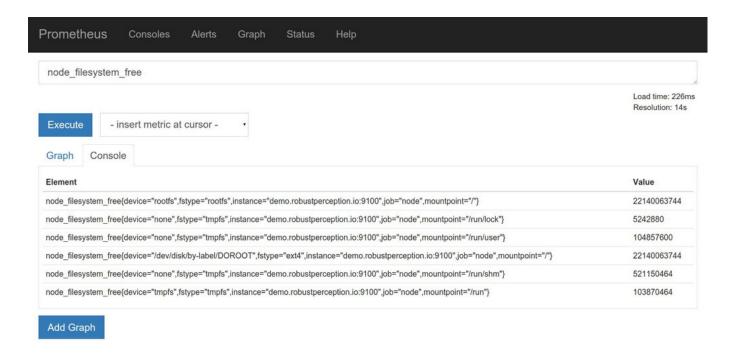
Author: Nho Luong

### Prometheus - Architecture



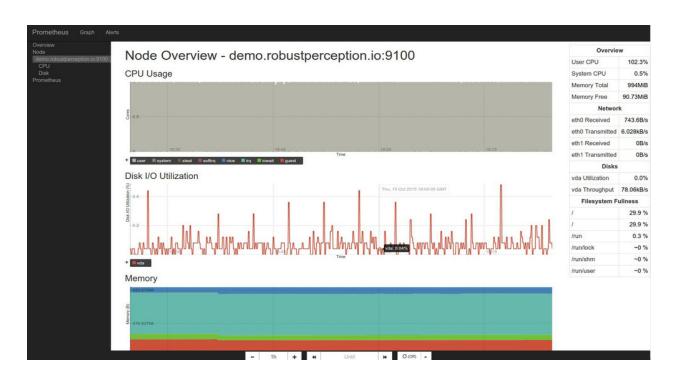
Author: Nho Luong Skill: DevOps Engineer Lead

# Prometheus - Expression browser



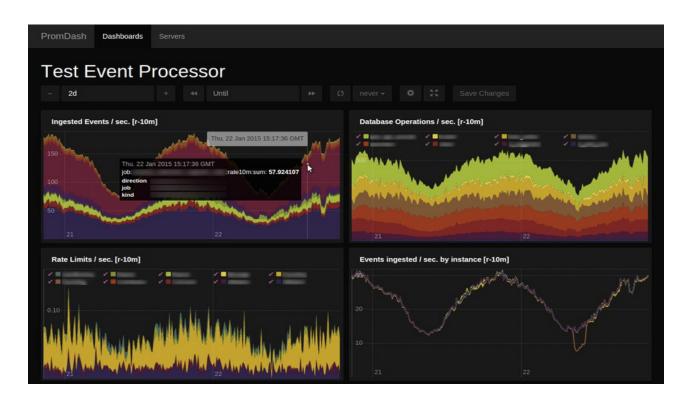
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## Prometheus - Consoles



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## PromDash



Author: Nho Luong

#### PromDash - Overview

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

Author: Nho Luong



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

Author: Nho Luong

## Comparison

#### Promdash

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

#### \* subjective

#### Grafana

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

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# 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

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