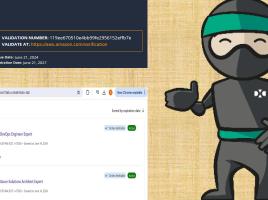
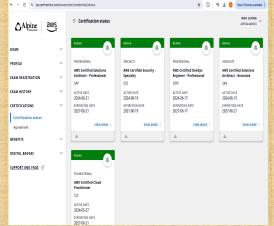
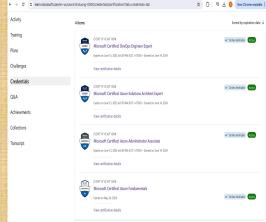
Prometheus vs Grafana Overview

Author: Nho Luong
Skill: DevOps Engineer Lead









Prometheus

http://prometheus.io

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

Author: Nho Luong

Prometheus - Overview

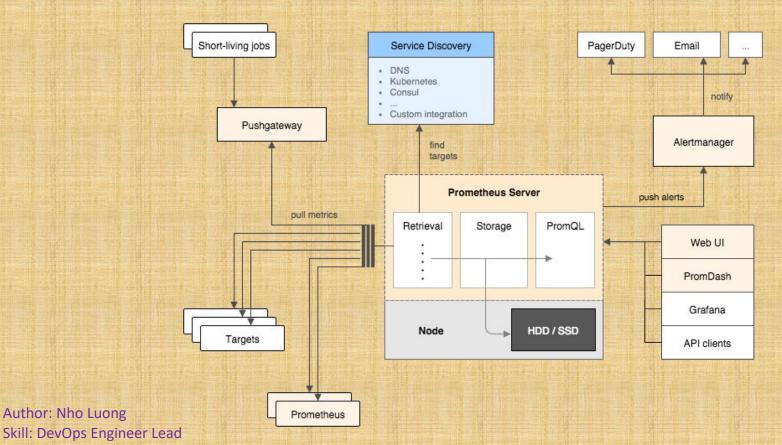
multi-dimensional data model •PromQL - a flexible query language •operationally very simple, just a single binary •pull model to collect data •many client libraries available (Go, Java, Python, Ruby, ...) •growing amount of exporters

several graphing solutions available

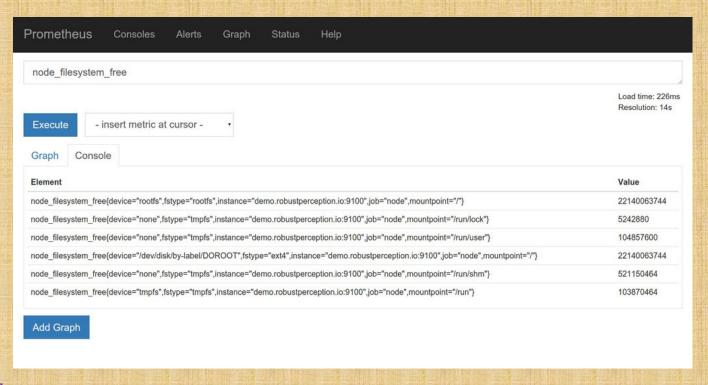
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Prometheus - Architecture

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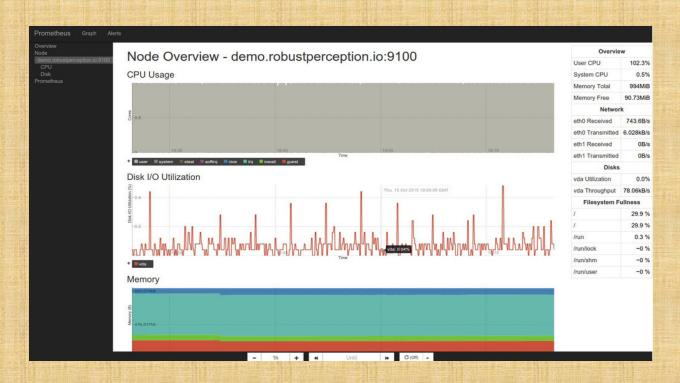


Prometheus - Expression browser



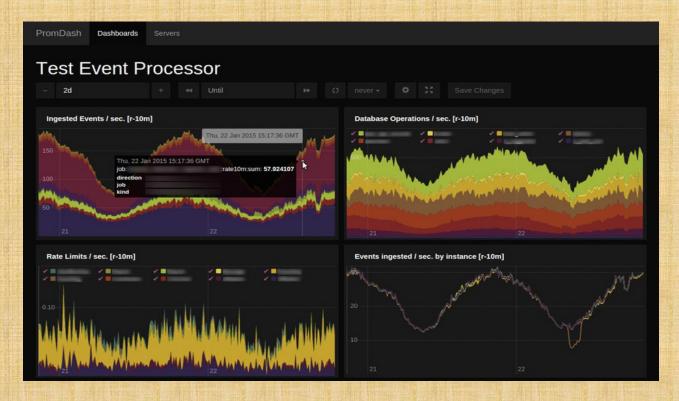
Author: Nho Luong

Prometheus - Consoles



Author: Nho Luong

PromDash



Author: Nho Luong Skill: DevOps Engineer Lead

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









"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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