Light

Kubernetes Observability

Project for learning about Kubernetes observability.
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About The Project

This project is for learning about kubernetes observability.

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Built With

Getting Started

This project is for getting started with kubernetes observability tools and best practices.

Some tools for learning:

- Prometheus
- Alertmanager
- Grafana
- Grafana Loki

Prerequisites

- Linux System Up
- Cluster Kubernetes Up
- Git

Installation

Clone the repo

```
git clone https://github.com/marcossilvestrini/kubernetes-observability.git
cd kubernetes-observability || exit
```

Usage

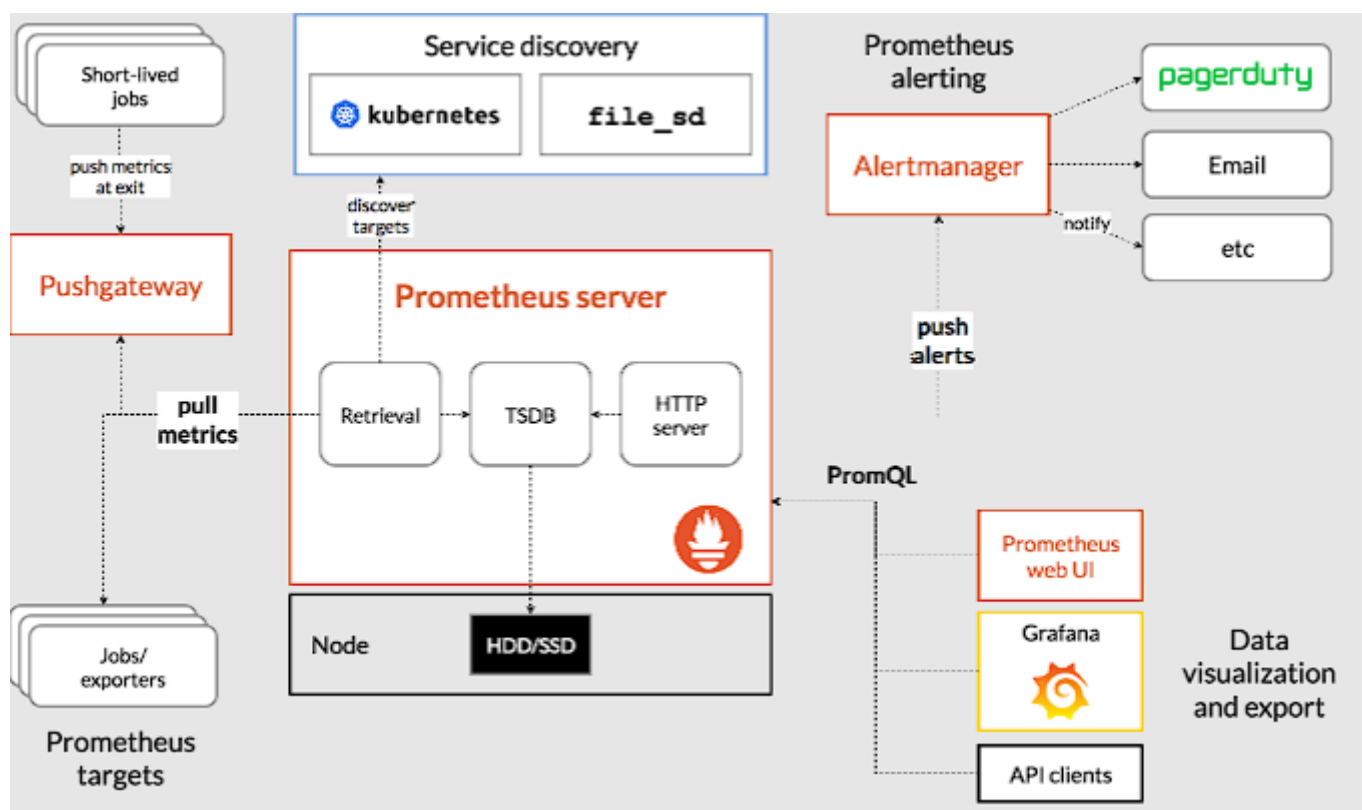I publish some exemples for use in this repository.

Roadmap

- ☑ Create repositoty
- ☐ Prometheus
- ☐ Alertmanager
- ☐ Grafana
- ☐ Grafana Loki
- ☐ Others tools

See the open issues for a full list of proposed features (and known issues).

Prometheus

Prometheus is an open-source systems monitoring and alerting toolkit originally built at SoundCloud.

Since its inception in 2012, many companies and organizations have adopted Prometheus, and the project has a very active developer and user community.
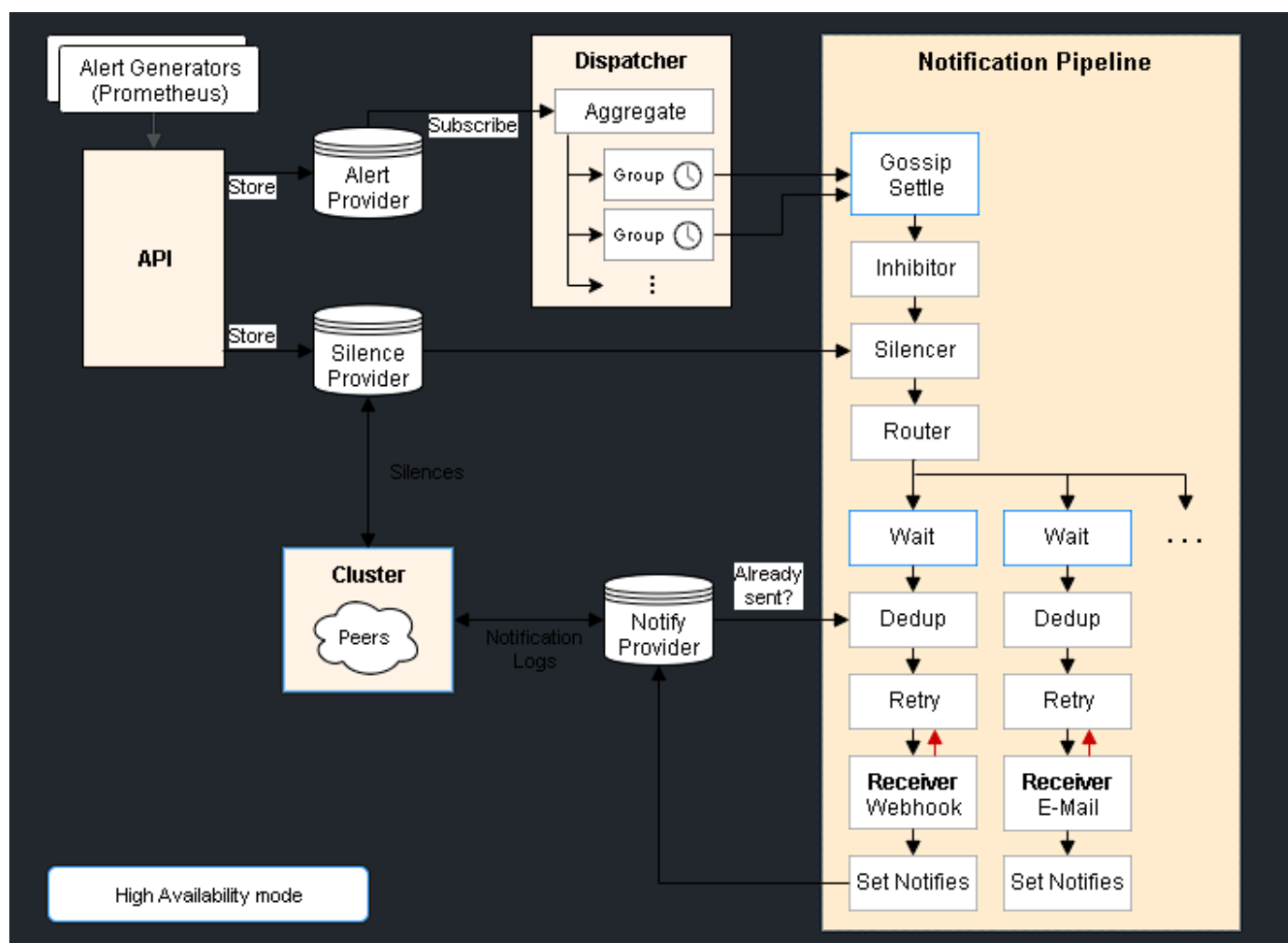
The Prometheus ecosystem consists of multiple components, many of which are optional:

- the main Prometheus server which scrapes and stores time series data
- client libraries for instrumenting application code
- a push gateway for supporting short-lived jobs
- special-purpose exporters for services like HAProxy, StatsD, Graphite, etc.
- an alertmanager to handle alerts
- various support tools

For more information about Prometheus access official documentation:
https://prometheus.io/docs/introduction/overview/

Alertmanager

For more information about Alertmanager access official documentation:
https://github.com/prometheus/alertmanager

Grafana Loki

Contributing

Contributions are what make the open source community such an amazing place to learn, inspire, and create. Any contributions you make are **greatly appreciated**.

If you have a suggestion that would make this better, please fork the repo and create a pull request. You can also simply open an issue with the tag "enhancement". Don't forget to give the project a star! Thanks again!

1. Fork the Project
2. Create your Feature Branch (`git checkout -b feature/AmazingFeature`)
3. Commit your Changes (`git commit -m 'Add some AmazingFeature'`)
4. Push to the Branch (`git push origin feature/AmazingFeature`)
5. Open a Pull Request

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Contact

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Project Link: https://github.com/marcossilvestrini/kubernetes-observability

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Acknowledgments

- Light
  - Prometheus
  - Kube Prometheus Stack