



## Kubernetes Observability

Project for learning about Kubernetes observability.

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[View Demo](#) - [Report Bug](#) - [Request Feature](#)







► [Table of Contents](#)

## About The Project

This project is for learning about kubernetes observability.

[\(back to top\)](#)

## Built With

-  **GITHUB**
-  **LINUX**
-  **WINDOWS**
-  **SHELL SCRIPT**
-  **POWERSHELL**
-  **KUBERNETES**



[\(back to top\)](#)

## 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
```

[\(back to top\)](#)

## Usage



I publish some exemples for use in this repository.

(back to top)

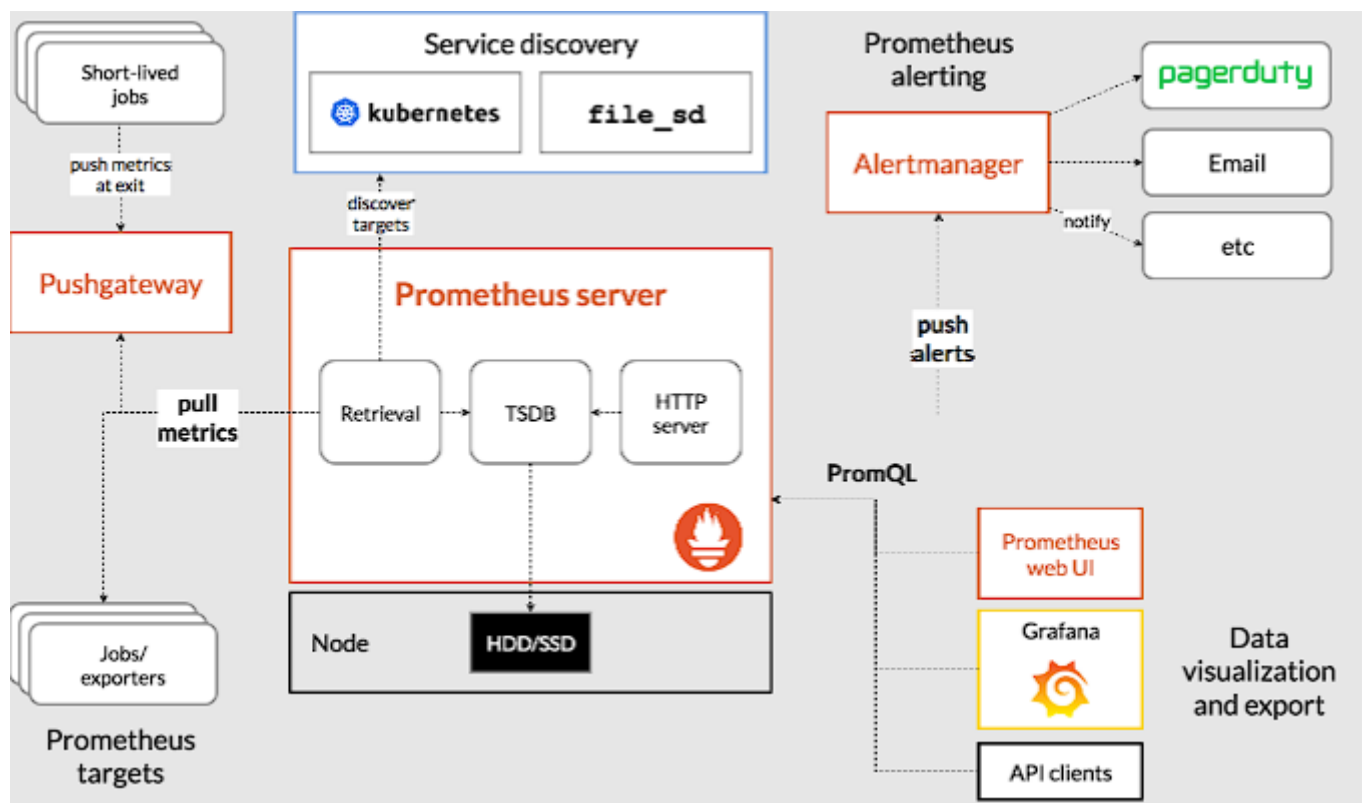
## Roadmap

- ☒ Create repositoty
- ☐ Prometheus
- ☐ Alertmanager
- ☐ Grafana
- ☐ Grafana Loki
- ☐ Grafana Tempo
- ☐ Grafana Alloy
- ☐ Others tools

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

(back to top)

## 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.

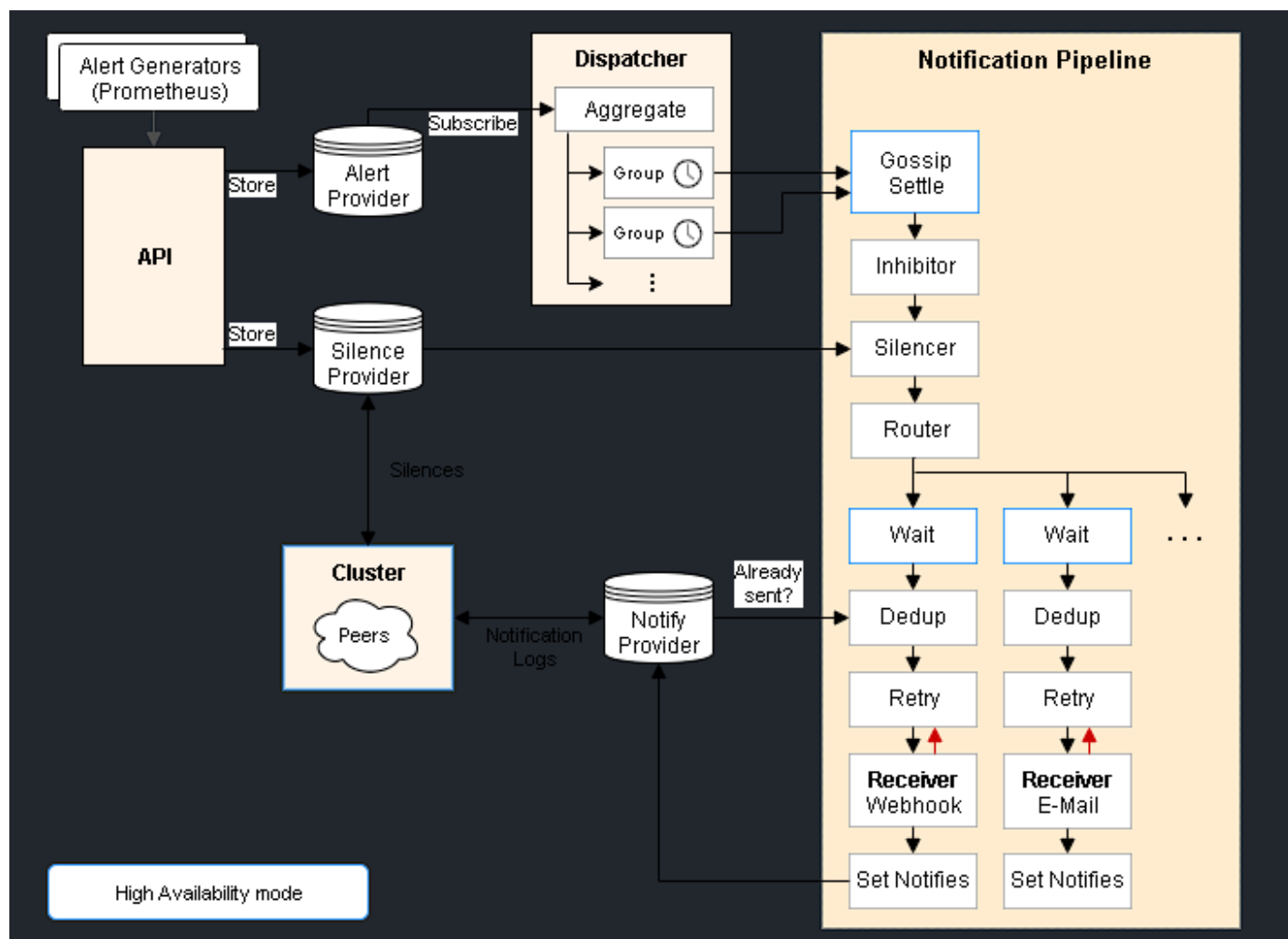
The Prometheus ecosystem consists of multiple components, many of which are optional:

- 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

## 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

(back to top)

## License

Distributed under the MIT License. See `LICENSE` for more information.

(back to top)

## Contact

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



## Acknowledgments

- Prometheus
- Kube Prometheus Stack

(back to top)