



Prometheus & Grafana



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](#). It is now a standalone open source project and maintained independently of any company



Grafana

Grafana **allows you to query, visualize, alert on, and understand your metrics no matter where they are stored.** Create, explore, and share beautiful dashboards with your team and foster a data-driven culture.



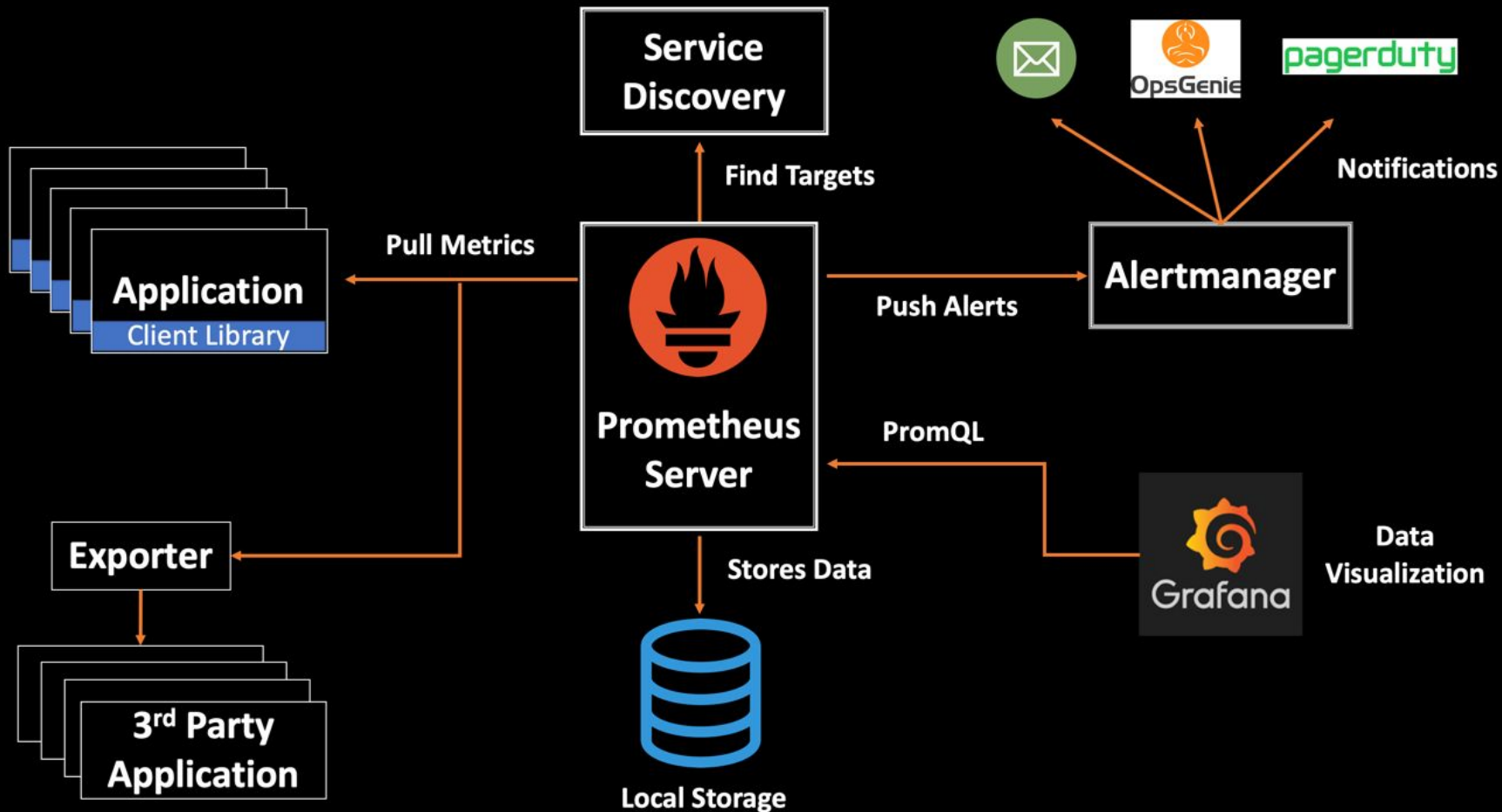
Prometheus exporter

A Prometheus Exporter is **a piece of software that. Can fetch statistics from another**, non-Prometheus system. Can turn those statistics into Prometheus metrics, using a client library.



Prometheus Alertmanager

The [Alertmanager](#) handles alerts sent by client applications such as the Prometheus server. It takes care of deduplicating, grouping, and routing them to the correct receiver integration such as email, PagerDuty, or OpsGenie. It also takes care of silencing and inhibition of alerts.





Assignment

Create a docker-compose file with Prometheus, Grafana and Node-exporter

Optional : if you want you can deploy this on docker swarm too