Objective5: Prepare a plan to add alerts and monitoring across all of the mentioned components.

We can monitor k8s cluster with prometheus and Grafana.
Prometheus is free of cost software that is used to monitor events and Alerting tools.

It helps to record live metrics in a timestamp series database using Http model with n

number of queries and real-time alerting

Prometheus Monitoring setup :

We can monitor full Kubernetes cluster end to end with Prometheus

The Prometheus stack includes:

- Prometheus

- Alertmanager

- Kube-state-metrics

- node-exporter

- Grafana

We can also include alerts and dashboards in it !!

slack

webhooks

pagerduty PagerDuty

Notifications

Alertmanager

Push
Alerts

Pull
Metrics

- Kube-state-metrics
- Nodes Cadvisor

Prometheus

Datasource

Grafana

Persistent
volume
for metric
storage

Kubernetes
Nodes