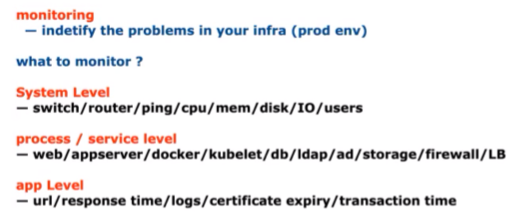
# Monitoring

What do we monitor

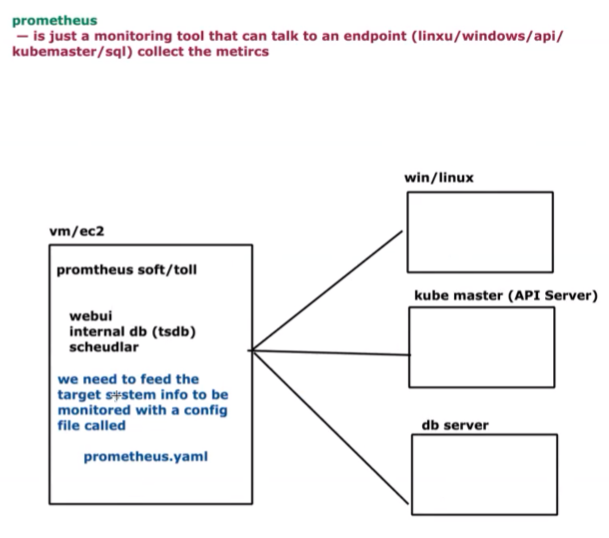


Monitoring tools available in market. We will be studying Prometheus / Grafana



Prometheus and Grafana or Kibana are 2 different things

## Prometheus



Practical. Let's deploy.

Deploy Prometheus as a kubernetes pod

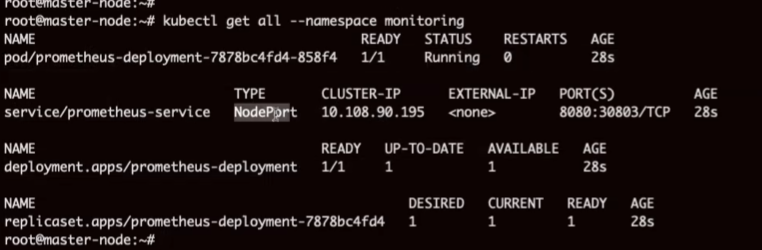
<https://github.com/lerndevops/labs/blob/master/prometheus-grafana/prometheus/prometheus.yaml>

<<prometheus.yaml.txt>>

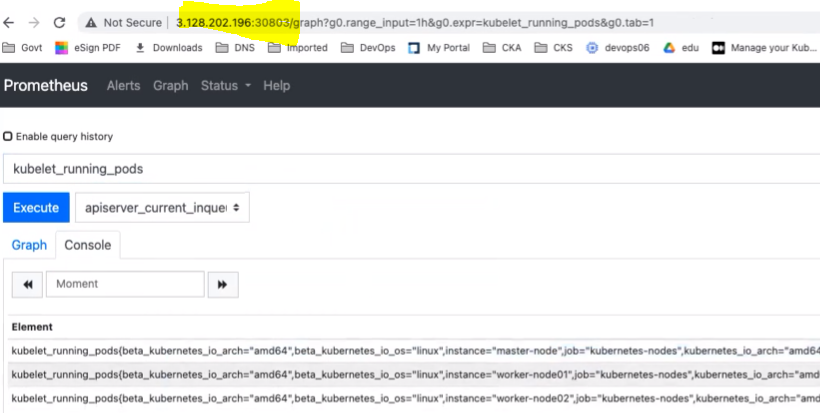
Deploy



See the detail

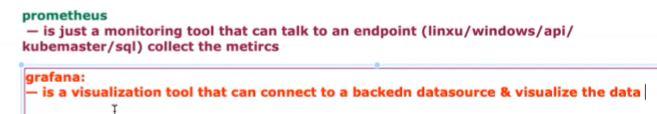


Browse



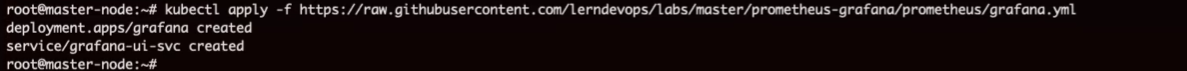
Difficult to query and read the data. It shows data in raw format.

Add some addental tool to read the data - **GRAFANA**

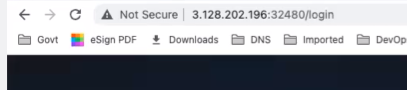


Deploye grafana

<https://github.com/lerndevops/labs/blob/master/prometheus-grafana/prometheus/grafana.yml>







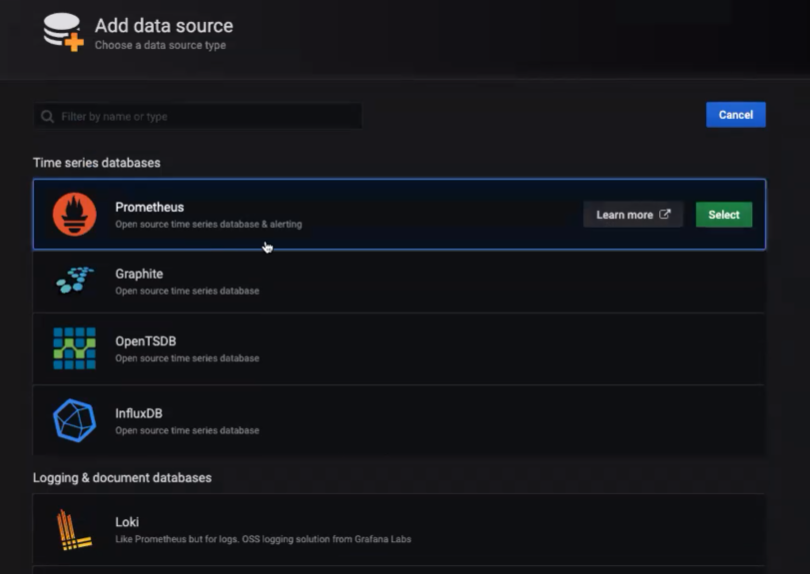
Default credential

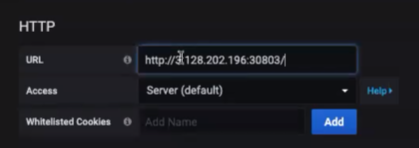
admin

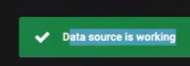
admin

Add datasource -> add data scouroce -> prometheus

It can connect to any data source in backend





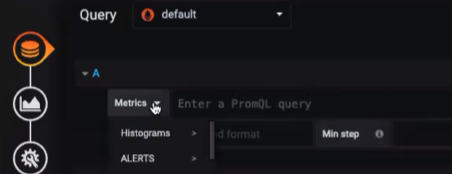


New dashboard



Add query

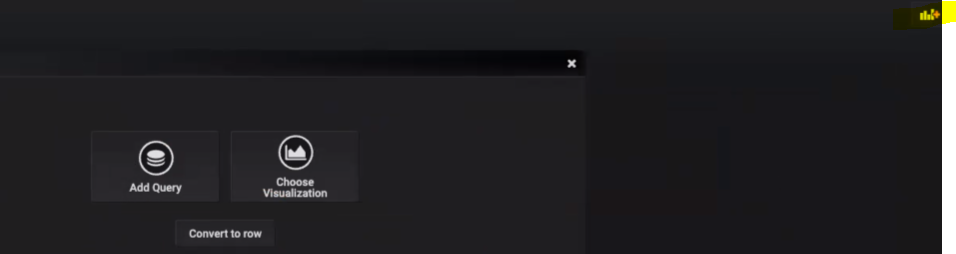
Prometheus query



Explore the GUI

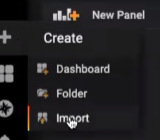


Keep on adding queries to see more

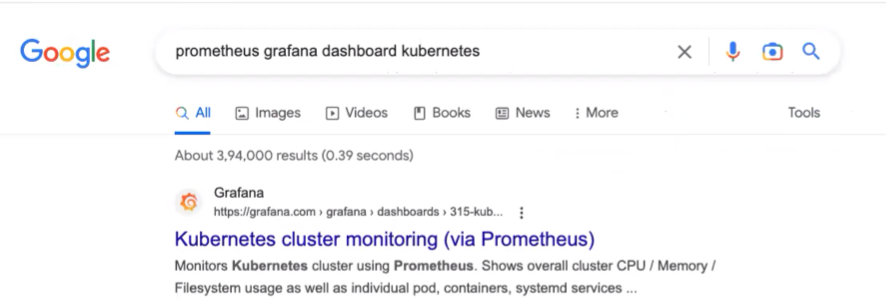


We can use readymade monitoring dashboard created in Grafana website

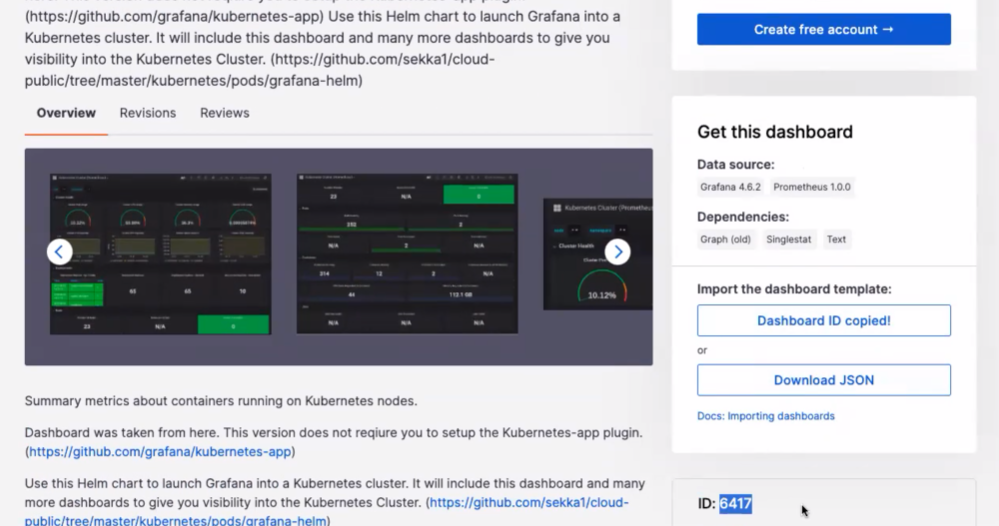
Gi ti unoirt



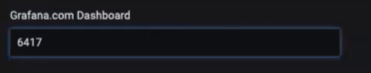
Search - Grafana kuberenetes



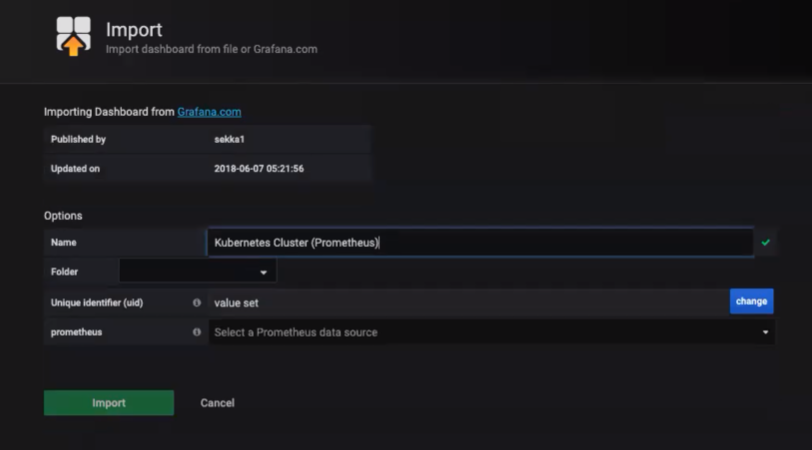
Copy the ID

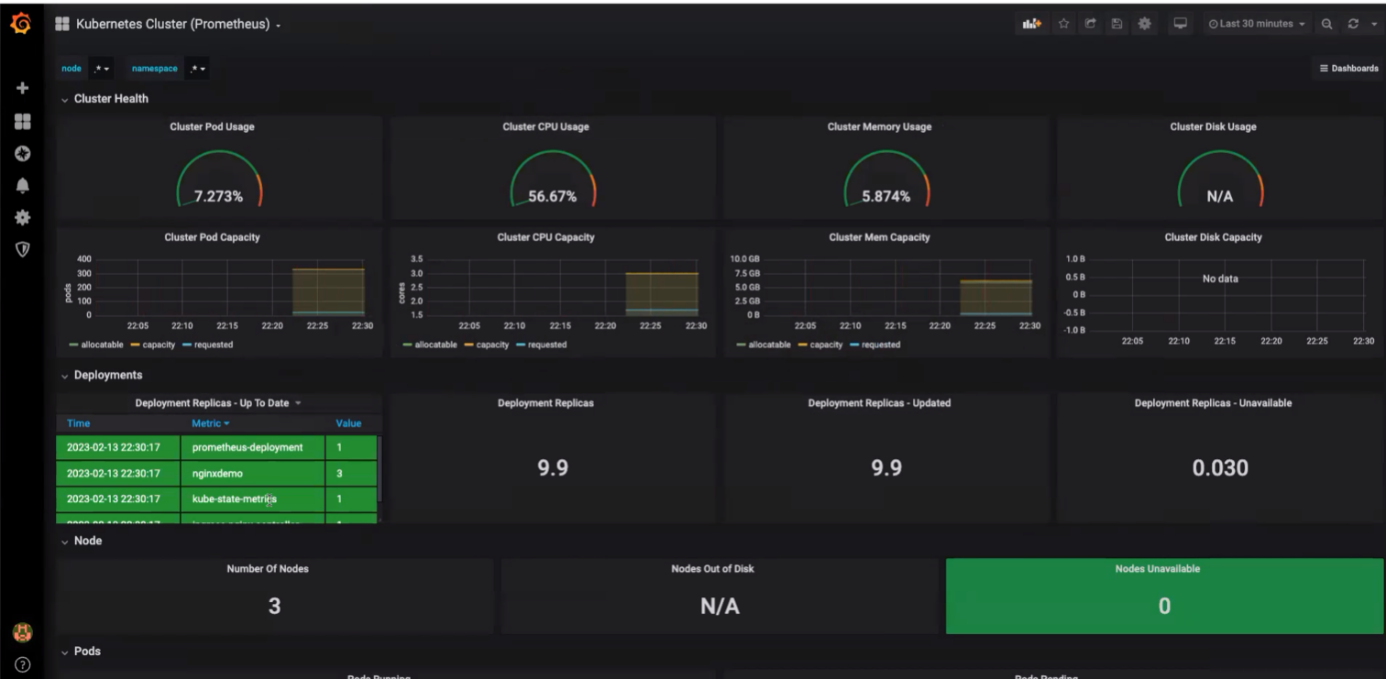


Copy the ID



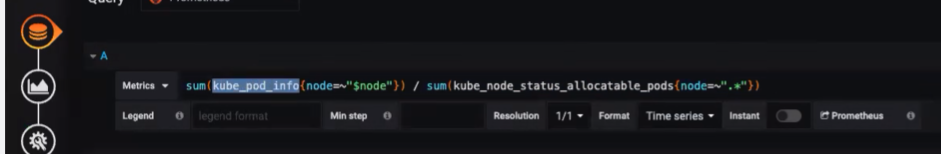
It will automatically connect to internet port. It is general monitoring





To see or edit the query, go to any section and select Edit





Summary:

