

## Exercise

1. Deploy Redis database with helm
  - a. Deploy to default namespace
  - b. Enable metrics collection using **only** the chart
  - c. Discover the metrics from your prometheus server
2. Add to Grafana Redis dashboard

### BONUS:

1. Add the kubernetes dashboard to grafana
2. Deploy nginx application with 3 replicas, after few minutes add 2 more replicas
3. Check the dashboard to see the replicas count change
4. Configure mail alerts and fire an alert.

## what to send me?

Screenshots from grafana, prometheus and values.yaml file for Redis helm chart.

# Answers

1. `helm install redis stable/redis --set metrics.enabled=true`

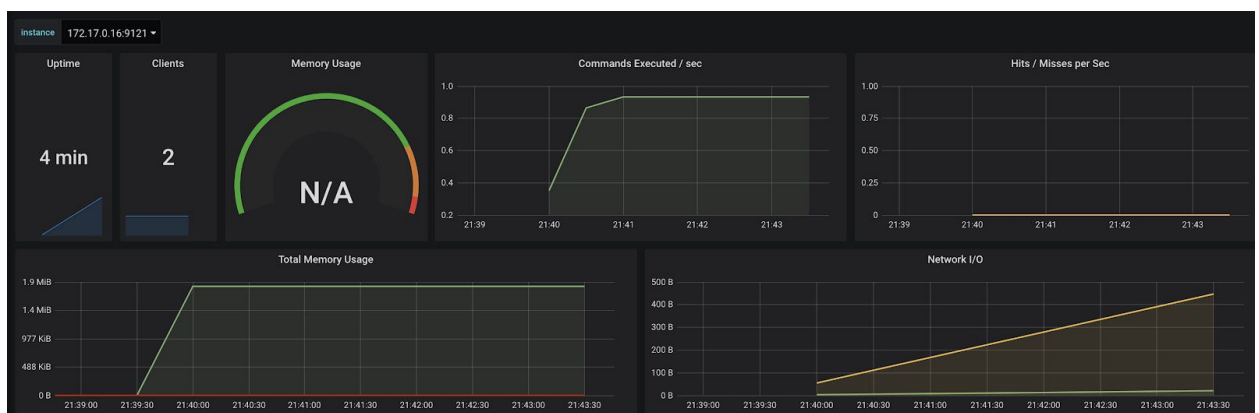
[Prometheus](#) [Alerts](#) [Graph](#) [Status ▾](#) [Help](#)

☐ Enable query history

redi|

- redis\_allocator\_active\_bytes**
- redis\_allocator\_allocated\_bytes**
- redis\_allocator\_resident\_bytes**
- redis\_aof\_base\_size\_bytes**
- redis\_aof\_buffer\_length**
- redis\_aof\_current\_rewrite\_duration\_sec**
- redis\_aof\_current\_size\_bytes**
- redis\_aof\_delayed\_fsync**
- redis\_aof\_enabled**

- 2.



- 3.