Lab11 - Prometheus

Adding prometheus and grafana to docker-compose

1. Clone the following repository :

   https://github.com/brahimhamdi/dockercoins-monitoring

   ○ cd to dockercoins-monitoring folder.

2. Describe the dockercompose.yml file.

   ○ What cadvisor service do ?

   ○ Make the application architecture

Deploy application

3. Using docker-compose create and start services

   ○ Give names, status, IP addresses, open and published ports, etc … of all created containers

   ○ Test the dockercoins application using web browser

Configuring prometheus

4. Open prometheus dashboard (via container and localhost)

   ○ What is the URL ?

   ○ By default, what container is monitored by prometheus ?

   ○ What is the path of prometheus configuration file ?

5. Display targets on prometheus dashboard.

   ○ What metrics are collected ?

   ○ Is redis metrics collected ? If no, add job to prometheus to do that.

Configuring grafana

6. Open the dashboard of grafana.

   ○ What's the default admin password ? Change it.

7. Add the prometheus data source to grafana.

- Add grafana dashboard to every prometheus scraping job.
- Is every thing ok on grafana dashborads ?