**Creating a Docker Compose file with Prometheus, Grafana and Node Exporter**

**Install Compose (Ubuntu 20.04)**

Download the current stable release of Docker Compose (@April 2022)

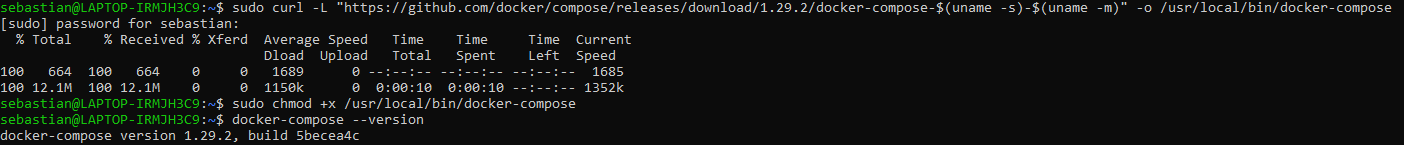
sudo curl -L "https://github.com/docker/compose/releases/download/1.29.2/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose

Apply executable permissions to the binary

sudo chmod +x /usr/local/bin/docker-compose

Test the installation

docker-compose --version



**Creating the Docker compose file**

Create the folder that will hold the project

mkdir <directory-name>

Create the Docker Compose file inside the directory

touch docker-compose.yml

Configure the Docker Compose so it integrates Prometheus, Grafana, Node-exporter (and optional, cAdvisor)

Texto

Descripción generada automáticamente

Run the containers using docker-compose up from the project directory

sudo docker-compose up

Imagen que contiene Texto

Descripción generada automáticamente

Test the deployment by entering <http://localhost:9090>. It should show Prometheus Dashboard.

Interfaz de usuario gráfica, Texto, Aplicación, Correo electrónico

Descripción generada automáticamente

**Setting up Grafana dashboards**

Enter <http://localhost:3000> and login as admin/admin in Grafana

Captura de pantalla de un celular

Descripción generada automáticamente

Click on “Add your first data source” and select “Prometheus” in the new page.

Captura de pantalla de un celular

Descripción generada automáticamente

Add the URL to Prometheus server (<http://localhost:9090> by default) and click on Save and Test. If there is an issue with the connection, replace the <http://localhost:9090> for <http://server_ip:9090>. To find the server ip where Prometheus is running, you can use sudo docker network inspect <network\_name>

Una captura de pantalla de un celular

Descripción generada automáticamente con confianza media

**Add Node Exporter Full dashboard**

Access <https://grafana.com/grafana/dashboards/> and look for “Node Exporter Full” dashboard

Captura de pantalla de computadora

Descripción generada automáticamente

Interfaz de usuario gráfica, Texto, Aplicación, Correo electrónico

Descripción generada automáticamente

Copy Node Exporter Full dashboard ID and import the dashboard to Grafana. To do so, click on the “+” at the left menu, then Import, write the dashboard ID and click on Load.

Captura de pantalla de un celular

Descripción generada automáticamente

Select Prometheus as the data source and click on Import

Captura de pantalla de un celular

Descripción generada automáticamente

The Node Exporter Full dashboard is ready

Pantalla de video juego

Descripción generada automáticamente con confianza media