1. **Install Grafana**

wget https://dl.grafana.com/enterprise/release/grafana-enterprise-10.2.3.linux-amd64.tar.gz

tar -zxvf grafana-enterprise-10.2.3.linux-amd64.tar.gz

2. **Install Prometheus**

wget https://github.com/prometheus/prometheus/releases/download/v2.48.1/prometheus-2.48.1.linux-amd64.tar.gz

tar xvfz prometheus-2.48.1.linux-amd64.tar.gz

3. **Start grafana server**

cd grafana-v10.2.3/bin/

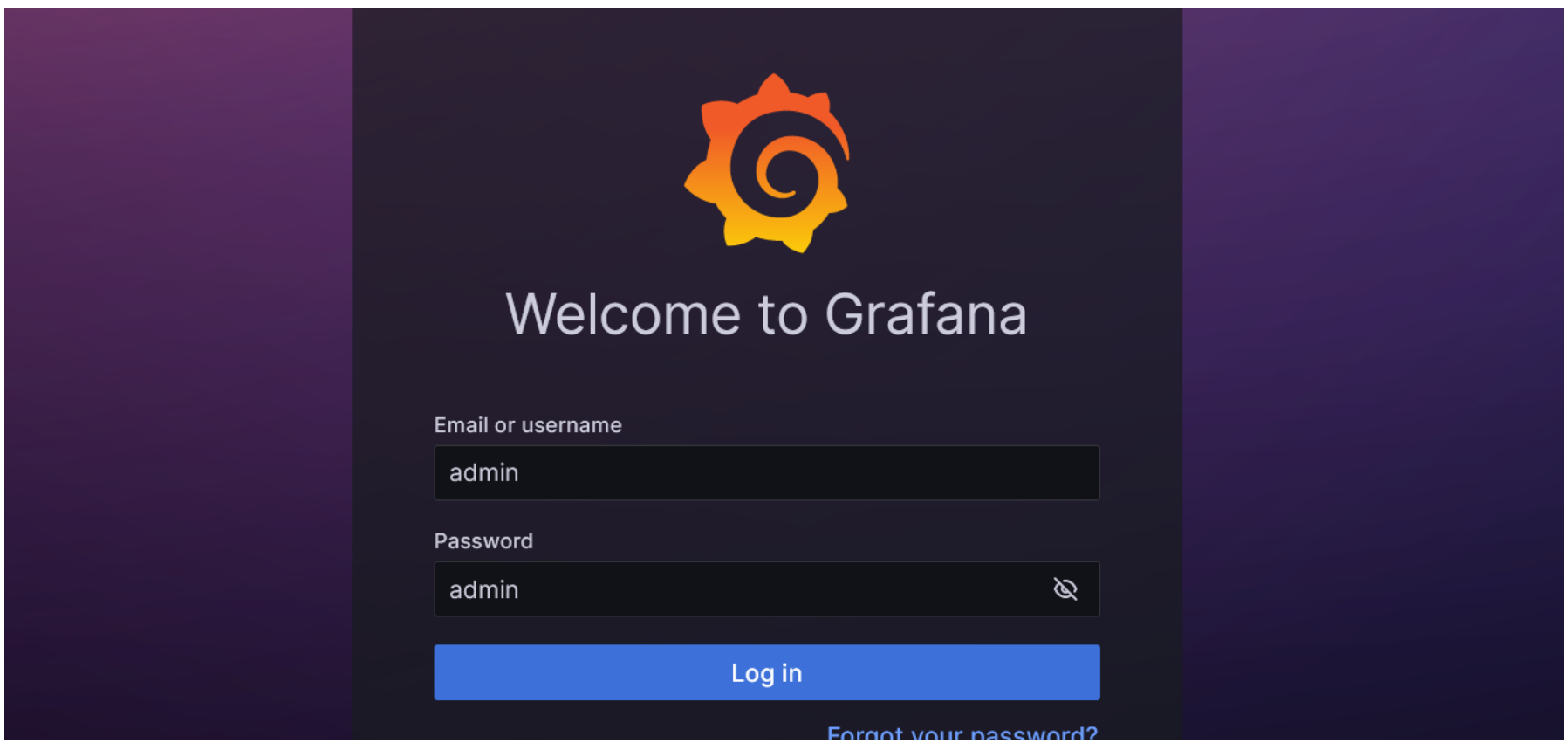
./grafana-server

4. **Connect grafana server**

http://localhost:3000/login

5. **Login to grafana server**

Default username : admin
Default password : admin



6. **Edit daemon.json**

vi /etc/docker/daemon.json

Copy this and paste in the daemon.json :

```
{
  "metrics-addr": "0.0.0.0:9323",
  "experimental":true
}
```

7. **Restart docker**

sudo service docker restart

8. **Edit prometheus.yml**

cd prometheus-2.48.1.linux-amd64/
vi prometheus.yml

Copy and add this to prometheus.yml (*maintain correct indentation*) :

```
  - job_name: "docker"

    static_configs:
      - targets: ["localhost:9323"]
```

9. **Start and connect prometheus server**

./prometheus

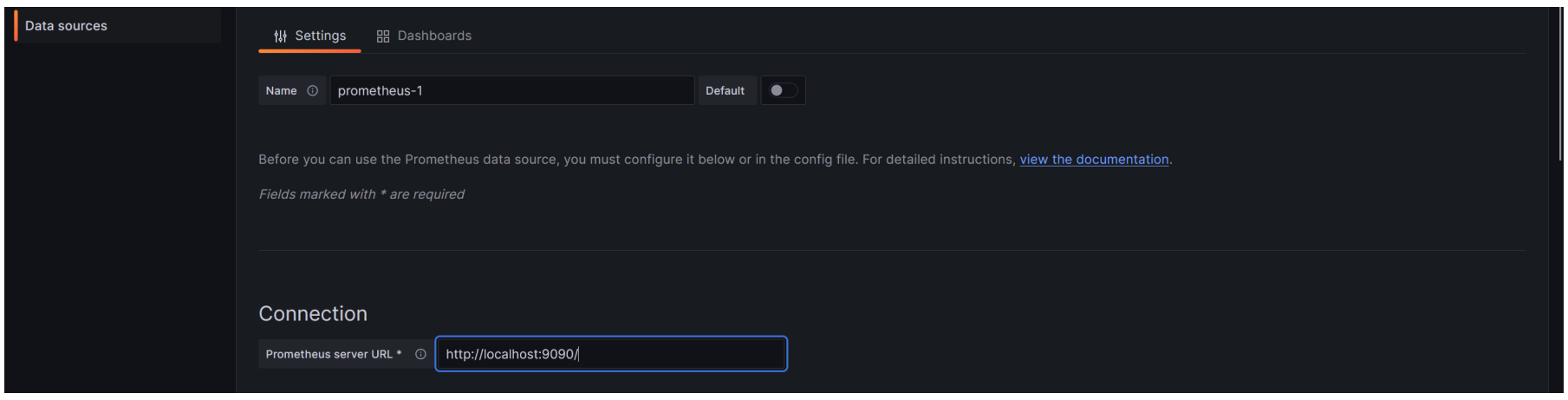
Connect prometheus server: http://localhost:9090/

10. **Connect prometheus endpoint service**

http://localhost:9323/metrics

11. **Integrate prometheus and grafana**

Go to grafana dashboard
Add a prometheus data source
Enter the URL in which prometheus server is running .
After entering the URL then click save and test .



12. **Create a dashboard**

Create a new dashboard using prometheus as data source .

In the prometheus endpoint service there you will find many PromQL queries , copy one of the query and use it to create a dashboard .
For e.g use this query to check number docker container in stop state :
engine_daemon_container_states_containers{state="stopped"}