

Grafana Assignment 1

By Swapnil Jadhav

You have been working with the CI/CD pipeline for so long and you have deployed your application to the production environment, But the organization is struggling in maintaining the environment as there is no automated monitoring solution in place, which can report the issue earlier and preventive measures can be taken on time. you are requested to implement the continuous monitoring using Prometheus for one of the customer applications landscapes and graphical visualized reporting using Grafana.

You are required to execute following task.

1. Setup the monitoring server and install Grafana-server on it.
2. .Login to Grafana UI.
3. Create a dashboard.
4. Create panels for CPU, Memory and File Storage visualization.

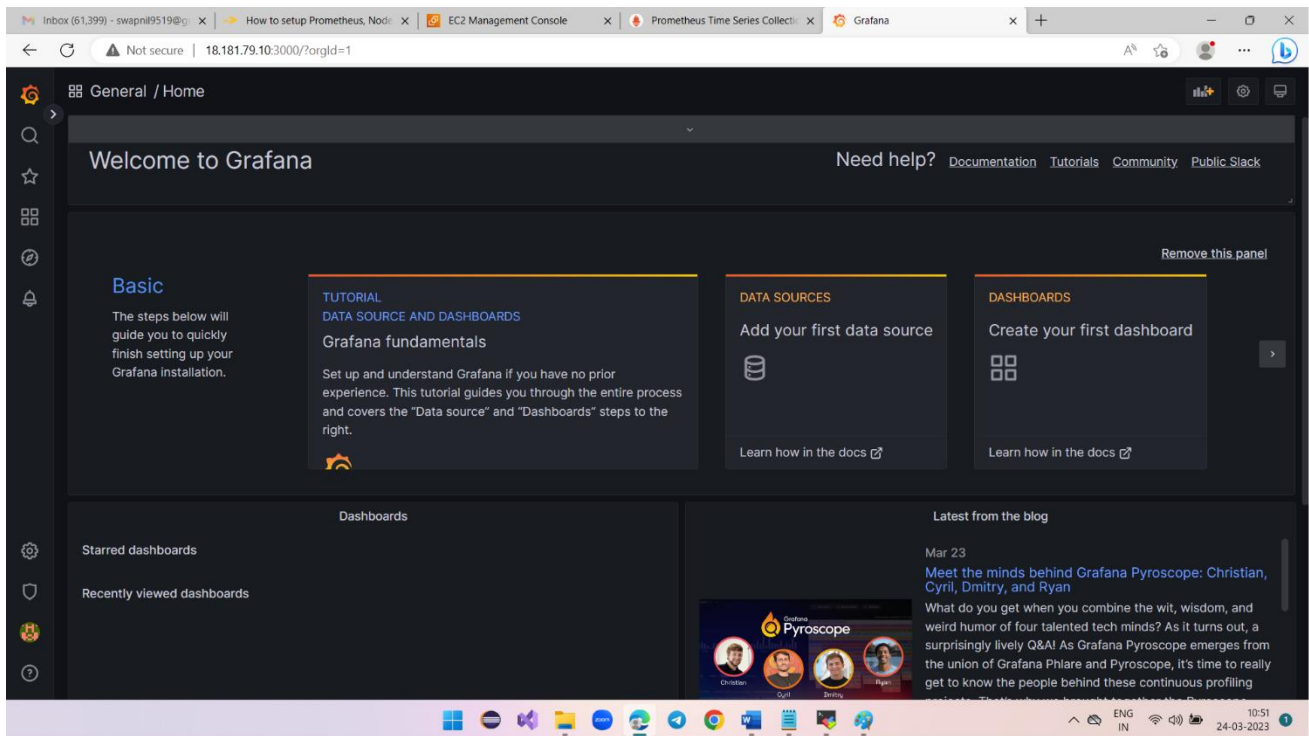
```
Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-9-29:~/prometheus/prometheus-2.37.6.linux-amd64$ sudo /bin/systemctl daemon-reload
ubuntu@ip-172-31-9-29:~/prometheus/prometheus-2.37.6.linux-amd64$ sudo /bin/systemctl enable grafana-server
Synchronizing state of grafana-server.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable grafana-server
Created symlink /etc/systemd/system/multi-user.target.wants/grafana-server.service → /lib/systemd/system/grafana-server.service.
ubuntu@ip-172-31-9-29:~/prometheus/prometheus-2.37.6.linux-amd64$ sudo /bin/systemctl start grafana-server
ubuntu@ip-172-31-9-29:~/prometheus/prometheus-2.37.6.linux-amd64$
```



Inbox (61,399) - swapn@9519@... x How to setup Prometheus, Node... x EC2 Management Console x Prometheus Time Series Collect... x Prometheus - Data sources - Co... x +

Not secure | 18.181.79.10:3000/datasources/edit/Zi6twFBVz

HTTP method POST

Type and version

Prometheus type Choose

Misc

Disable metrics lookup ☐

Default Editor Choose

Custom query parameters Example: max_source_resolution=5m&timeout=10

Exemplars

+ Add

✓ Data source is working
Details

Back Explore Delete Save & test

Windows taskbar: 11:00 24-03-2023

Inbox (61,399) - swapn@9519@... x How to setup Prometheus, Node... x Linux memory | Grafana Labs x EC2 Management Console x Prometheus Time Series Coll... x Import dashboard - Browse x +

Not secure | 18.181.79.10:3000/dashboard/import

Dashboards / Import dashboard

Import dashboard from file or Grafana.com

Importing dashboard from Grafana.com

Published by Frits Hoogland

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Options

Name
Linux memory

Folder
General

Unique identifier (UID)
The unique identifier (UID) of a dashboard can be used for uniquely identify a dashboard between multiple Grafana installs. The UID allows having consistent URLs for accessing dashboards so changing the title of a dashboard will not break any bookmarked links to that dashboard.
uwUcMpSik Change uid

prometheus
Prometheus

Import Cancel

Windows taskbar: 11:07 24-03-2023

