

Grafana Setup on Ubuntu

Install the dependencies

`sudo apt-get install -y apt-transport-https software-properties-common wget`

```
npci@node1:~$ sudo apt-get install -y apt-transport-https software-properties-common wget
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
software-properties-common is already the newest version (0.99.22.9).
software-properties-common set to manually installed.
wget is already the newest version (1.21.2-2ubuntu1.1).
apt-transport-https is already the newest version (2.4.12).
0 upgraded, 0 newly installed, 0 to remove and 4 not upgraded.
npci@node1:~$
```

GPG Key file for grafana

`sudo mkdir -p /etc/apt/keyrings/`
`wget -q -O - https://apt.grafana.com/gpg.key | gpg --dearmor | sudo tee`
`/etc/apt/keyrings/grafana.gpg > /dev/null`

```
npci@node1:~$ sudo mkdir -p /etc/apt/keyrings/
wget -q -O - https://apt.grafana.com/gpg.key | gpg --dearmor | sudo tee /etc/apt/keyrings/grafana.gpg > /dev/null
npci@node1:~$
```

Note: (Not Required - only in case if you wish to add repo of beta version) Repository - Stable
(you can add repo of beta version as well) -

<https://grafana.com/docs/grafana/latest/setup-grafana/installation/>

`echo "deb [signed-by=/etc/apt/keyrings/grafana.gpg] https://apt.grafana.com stable main" | sudo`
`tee -a /etc/apt/sources.list.d/grafana.list`

```
npci@node1:~$ echo "deb [signed-by=/etc/apt/keyrings/grafana.gpg] https://apt.grafana.com stable main" | sudo tee -a /etc/
apt/sources.list.d/grafana.list
deb [signed-by=/etc/apt/keyrings/grafana.gpg] https://apt.grafana.com stable main
npci@node1:~$
```

Updates the list of available packages

`sudo apt-get update`

```

npci@node1:~$ # Updates the list of available packages
sudo apt-get update
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:2 https://apt.grafana.com stable InRelease [7,660 B]
Hit:3 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Get:4 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1,771 kB]
Get:6 https://apt.grafana.com stable/main amd64 Packages [283 kB]
Hit:7 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
85% [Waiting for headers]

```

Installs the latest OSS release:

sudo apt-get install grafana

```

npci@node1:~$ # Installs the latest OSS release:
sudo apt-get install grafana
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  musl
The following NEW packages will be installed:
  grafana musl
0 upgraded, 2 newly installed, 0 to remove and 4 not upgraded.
Need to get 123 MB of archives.
After this operation, 464 MB of additional disk space will be used.
Do you want to continue? [Y/n]

```

```

Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu jammy/universe amd64 musl amd64 1.2.2-4 [407 kB]
Get:2 https://apt.grafana.com stable/main amd64 grafana amd64 11.2.0 [123 MB]
Fetched 123 MB in 1min 7s (1,834 kB/s)
Selecting previously unselected package musl:amd64.
(Reading database ... 204791 files and directories currently installed.)
Preparing to unpack .../musl_1.2.2-4_amd64.deb ...
Unpacking musl:amd64 (1.2.2-4) ...
Selecting previously unselected package grafana.
Preparing to unpack .../grafana_11.2.0_amd64.deb ...
Unpacking grafana (11.2.0) ...
Setting up musl:amd64 (1.2.2-4) ...
Setting up grafana (11.2.0) ...
Adding system user `grafana' (UID 130) ...
Adding new user `grafana' (UID 130) with group `grafana' ...
Not creating home directory `/usr/share/grafana'.
### NOT starting on installation, please execute the following statements to configure grafana to start automatically using systemd
  sudo /bin/systemctl daemon-reload
  sudo /bin/systemctl enable grafana-server
### You can start grafana-server by executing
  sudo /bin/systemctl start grafana-server
Processing triggers for man-db (2.10.2-1) ...
npci@node1:~$

```

#Start the grafana service

sudo systemctl daemon-reload

sudo systemctl start grafana-server.service

sudo systemctl status grafana-server.service

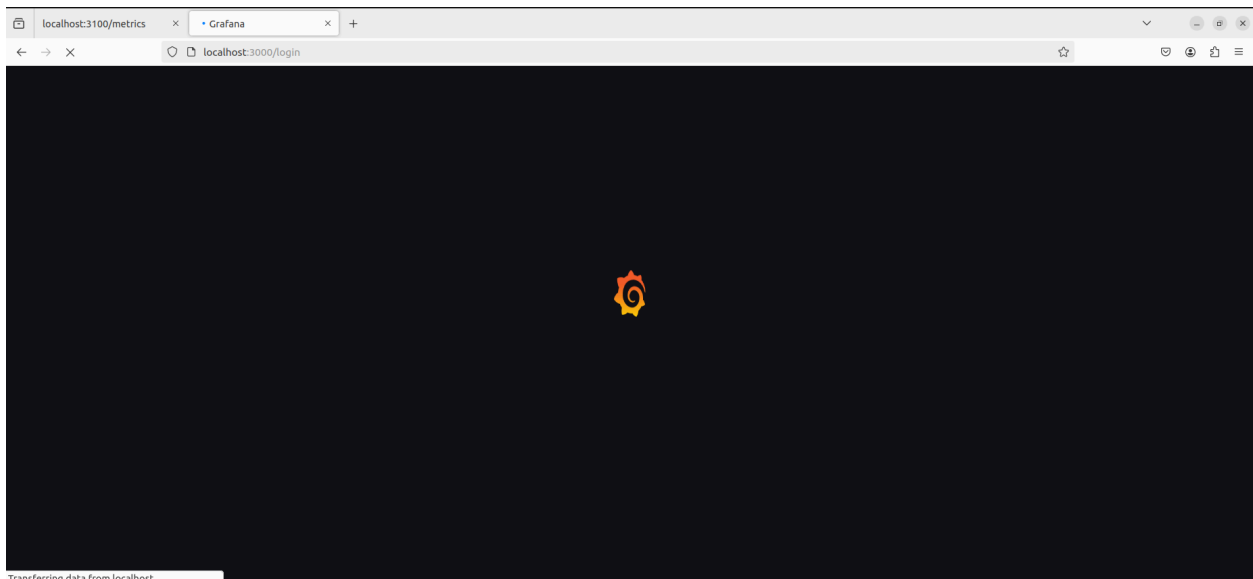
```
npcl@node1:~$ sudo systemctl daemon-reload
npcl@node1:~$ sudo systemctl start grafana-server.service
npcl@node1:~$ sudo systemctl status grafana-server.service
● grafana-server.service - Grafana instance
   Loaded: loaded (/lib/systemd/system/grafana-server.service; disabled; vendor preset: enabled)
   Active: active (running) since Wed 2024-09-04 16:21:06 IST; 5s ago
     Docs: http://docs.grafana.org
    Main PID: 29760 (grafana)
      Tasks: 8 (limit: 1005)
     Memory: 187.2M
        CPU: 2.825s
    CGroup: /system.slice/grafana-server.service
            └─29760 /usr/share/grafana/bin/grafana server --config=/etc/grafana/grafana.ini --pidfile=/run/grafana/grafana.pid

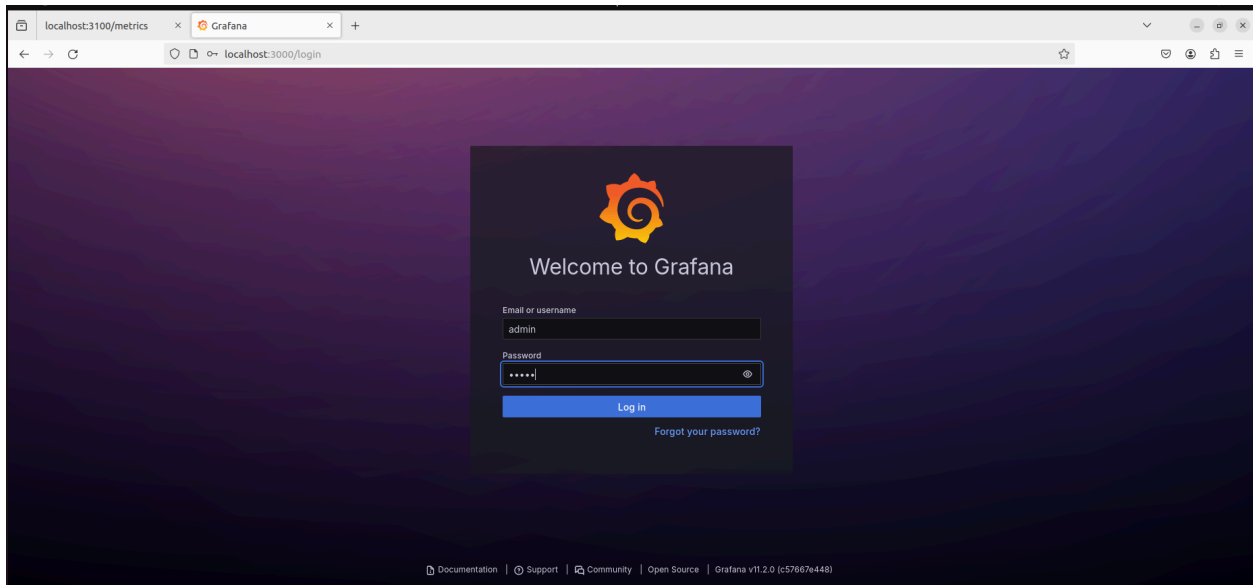
Sep 04 16:21:09 node1 grafana[29760]: logger=provisioning.dashboard t=2024-09-04T16:21:09.660790286+05:30 level=info msg=>
Sep 04 16:21:09 node1 grafana[29760]: logger=provisioning.dashboard t=2024-09-04T16:21:09.66090975+05:30 level=info msg=">
Sep 04 16:21:09 node1 grafana[29760]: logger=ngalert.multiorg.alertmanager t=2024-09-04T16:21:09.674747158+05:30 level=info msg=">
Sep 04 16:21:09 node1 grafana[29760]: logger=ngalert.scheduler t=2024-09-04T16:21:09.675775855+05:30 level=info msg="Star>
Sep 04 16:21:09 node1 grafana[29760]: logger=ticker t=2024-09-04T16:21:09.675873107+05:30 level=info msg=starting first t>
Sep 04 16:21:09 node1 grafana[29760]: logger=grafana-apiserver t=2024-09-04T16:21:09.960155805+05:30 level=info msg="Addi>
Sep 04 16:21:09 node1 grafana[29760]: logger=grafana-apiserver t=2024-09-04T16:21:09.960718469+05:30 level=info msg="Addi>
Sep 04 16:21:10 node1 grafana[29760]: logger=grafana.update.checker t=2024-09-04T16:21:10.579110557+05:30 level=info msg=>
Sep 04 16:21:10 node1 grafana[29760]: logger=plugins.update.checker t=2024-09-04T16:21:10.579184624+05:30 level=info msg=>
```

Configure the Grafana server to start at boot using systemd

```
npcl@node1:~$ sudo systemctl enable grafana-server.service
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.
npcl@node1:~$
```

http://localhost:3000





Update the password- Admin@123

