

Install grafana server on same server as prometheus

- Add prometheus data source to grafana, should be connected through basic auth
- Screenshot of working data source config
- Import & apply dashboard for node_exporter
- Screenshot of dashboard of nodes with live metrics shown.

To install grafana,

```
sudo apt-get install -y apt-transport-https
```

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

```
wget -q -O - https://packages.grafana.com/gpg.key | sudo apt-key add -
```

```
echo "deb https://packages.grafana.com/oss/deb stable main" | sudo tee -a /etc/apt/sources.list.d/grafana.list
```

```
sudo apt-get update
```

```
sudo apt-get install grafana
```

```
ox.org.list:1 and /etc/apt/sources.list.d/virtualbox.org.list:2
lostinserver@lostinserver:~$ sudo apt-get install grafana
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libio-pty-perl libipc-run-perl libtime-duration-perl moreutils smartmontools
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  grafana
0 upgraded, 1 newly installed, 0 to remove and 77 not upgraded.
Need to get 73.1 MB of archives.
After this operation, 247 MB of additional disk space will be used.
Get:1 https://packages.grafana.com/oss/deb stable/main amd64 grafana amd64 8.3.0 [73.1 MB]
Fetched 73.1 MB in 23s (3,141 kB/s)
Selecting previously unselected package grafana.
(Reading database ... 259226 files and directories currently installed.)
Preparing to unpack .../grafana_8.3.0_amd64.deb ...
Unpacking grafana (8.3.0) ...
Setting up grafana (8.3.0) ...
Adding system user `grafana' (UID 131) ...
Adding new user `grafana' (UID 131) with group `grafana' ...
Not creating home directory `/usr/share/grafana'.
### NOT starting on installation, please execute the following statements to configure grafana to
automatically using systemd
sudo /bin/systemctl daemon-reload
sudo /bin/systemctl enable grafana-server
```

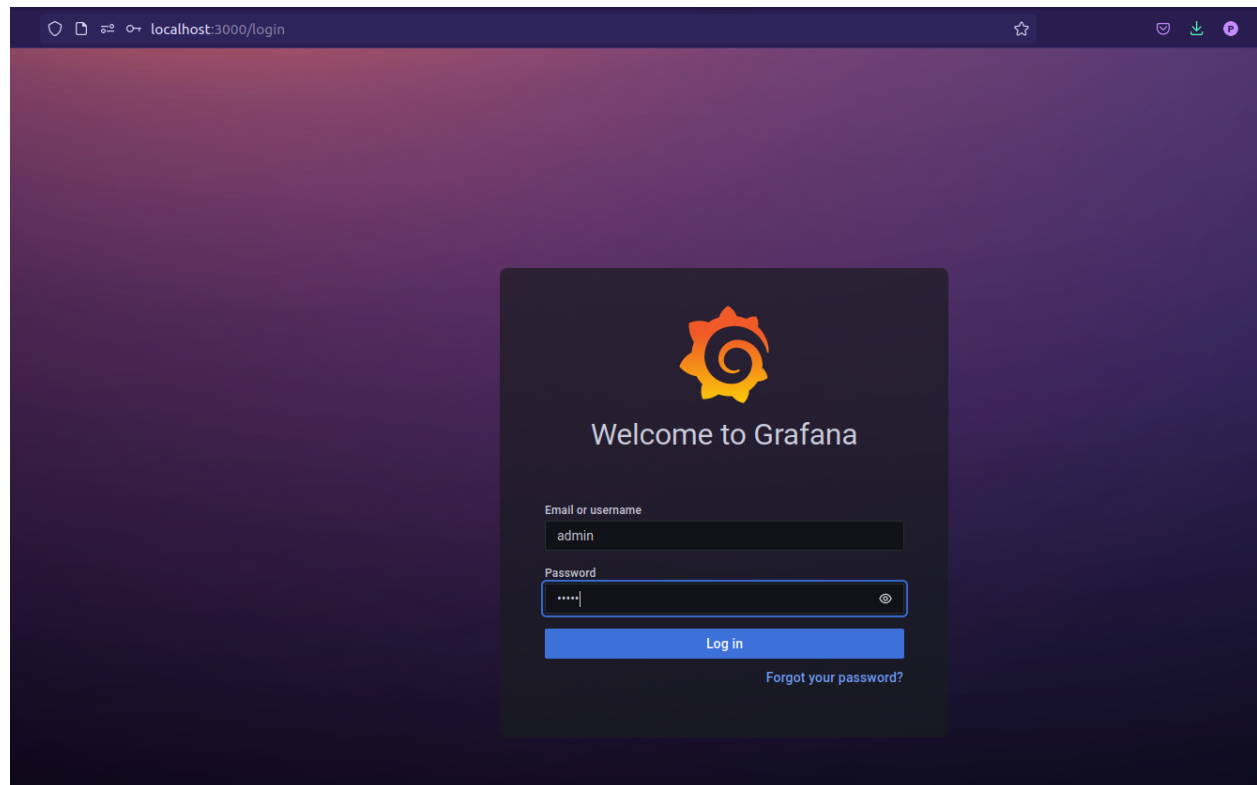
Now to start the grafana service,

```
sudo systemctl enable grafana-server.service
```

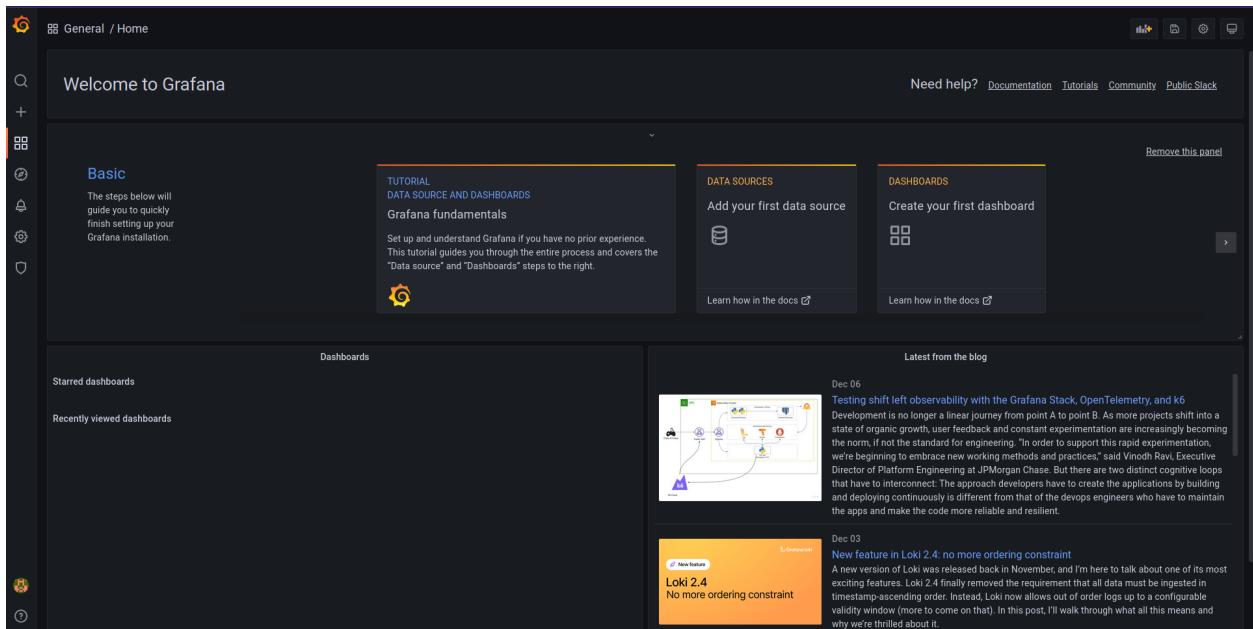
```
sudo systemctl start grafana-server.service
```

```
sudo systemctl status grafana-server.service
```

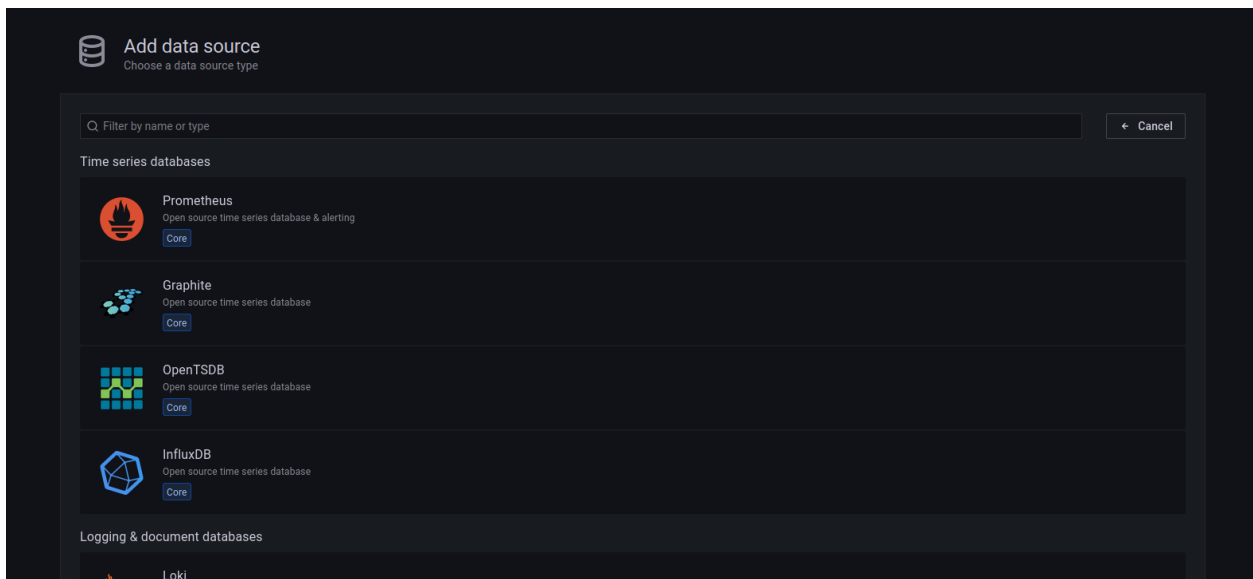
```
lostinservice@lostinservice:~$ sudo systemctl enable grafana-server.service
Synchronizing state of grafana-server.service with SysV service script with /lib/systemd/systemd-sysv-
tall.
Executing: /lib/systemd/systemd-sysv-install enable grafana-server
Created symlink /etc/systemd/system/multi-user.target.wants/grafana-server.service → /lib/systemd/syst
grafana-server.service.
lostinservice@lostinservice:~$ sudo systemctl start grafana-server.service
lostinservice@lostinservice:~$ sudo systemctl status grafana-server.service
● grafana-server.service - Grafana instance
   Loaded: loaded (/lib/systemd/system/grafana-server.service; enabled; vendor preset: enabled)
   Active: active (running) since Tue 2021-12-07 14:23:12 +0545; 3s ago
     Docs: http://docs.grafana.org
    Main PID: 80005 (grafana-server)
      Tasks: 9 (limit: 9364)
     Memory: 69.9M
    CGroup: /system.slice/grafana-server.service
            └─80005 /usr/sbin/grafana-server --config=/etc/grafana/grafana.ini --pidfile=/run/grafana
```



Use the default **admin** and **admin** username and password respectively which is default. Provide the new password and we can login inside.

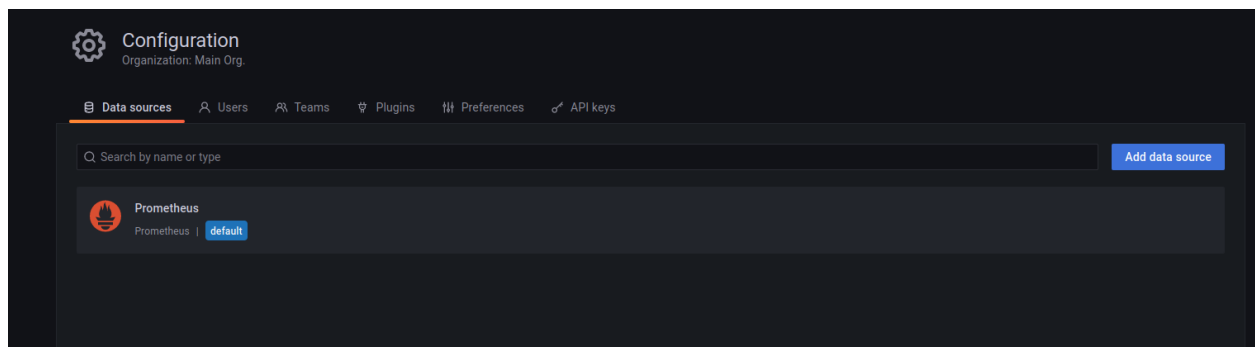


Next we add the Prometheus data source in grafana from configuration as below:



The screenshot shows the 'Data Sources / Prometheus' configuration page in Grafana. At the top, there's a header with the Prometheus logo and the text 'Data Sources / Prometheus' and 'Type: Prometheus'. Below this, there are tabs for 'Settings' and 'Dashboards'. A blue notification box at the top left says 'Configure your Prometheus data source below' and provides a link to Grafana Cloud. The main configuration area has a 'Name' field set to 'Prometheus' and a 'Default' toggle switch. Under the 'HTTP' section, the 'URL' field is set to '192.168.1.104:9090', 'Access' is set to 'Server (default)', 'Allowed cookies' is set to 'New tag (enter key to add)', and 'Timeout' is empty. The 'Auth' section has several toggle switches: 'Basic auth' is turned on, 'With Credentials' is turned off, 'TLS Client Auth' is turned off, 'With CA Cert' is turned off, 'Skip TLS Verify' is turned off, and 'Forward OAuth Identity' is turned off. Below this, the 'Basic Auth Details' section has 'User' set to 'admin' and 'Password' set to '*****'. At the bottom, there's a section for 'Custom HTTP Headers'.

The data source has successfully been created as,



Now import the dashboard from <https://grafana.com/grafana/dashboards/>

All dashboards » [Node Exporter Full](#)



Node Exporter Full by rfraile

DASHBOARD

Last updated: 7 months ago

[Start with Grafana Cloud and the new FREE tier. Includes 10K series Prometheus or Graphite Metrics and 50gb Loki Logs](#)

Downloads: **10575447**

Reviews: **43**



[Add your review!](#)

Overview

Revisions

Reviews



Nearly all default values exported by Prometheus node exporter graphed.

Only requires the default job_name: node, add as many targets as you need in '/etc/prometheus/prometheus.yml'.

```
- job_name: node
  static_configs:
    - targets: ['localhost:9100']
```

Get this dashboard:

1860

[Copy ID to Clipboard](#)

[Download JSON](#)

[How do I import this dashboard?](#)

Dependencies:

GRAFANA 7.3.7

GAUGE

The id is **1860** as shown above so,



Import

Import dashboard from file or Grafana.com

[Upload JSON file](#)

Import via grafana.com

1860

[Load](#)

Import via panel json

[Load](#)



Import

Import dashboard from file or Grafana.com

Importing dashboard from Grafana.com

Published by

rfraile

Updated on

2021-05-09 04:15:46

Options

Name

Node Exporter Full

Folder

General

Unique identifier (UID)

The unique identifier (UID) of a dashboard can be used to 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.

rYdddlPWk

Change uid

Prometheus

Prometheus

Import

Cancel



