Install grafana on centos 7 :

Launch Terminal and login as root. Launch Terminal and login as root.

Step 1 – Disable SELinux

The first step is to check the SELinux status and disable it if it is enabled.

```
getenforce
```

Modify SELinux configurations as follows:

```
vim /etc/sysconfig/selinux
```

Change SELINUX=enforcing to SELINUX=disabled

Reboot system.

```
reboot
```

There are few methods to install Grafana on RPM-based Linux Distributions like Centos /Fedora. In today's tutorial, we are going to install from Grafana repository.

Step 2 – Installing Grafana via YUM Repository

Create a repo file.

```
vim /etc/yum.repos.d/grafana.repo
```

Add the following contents to file:

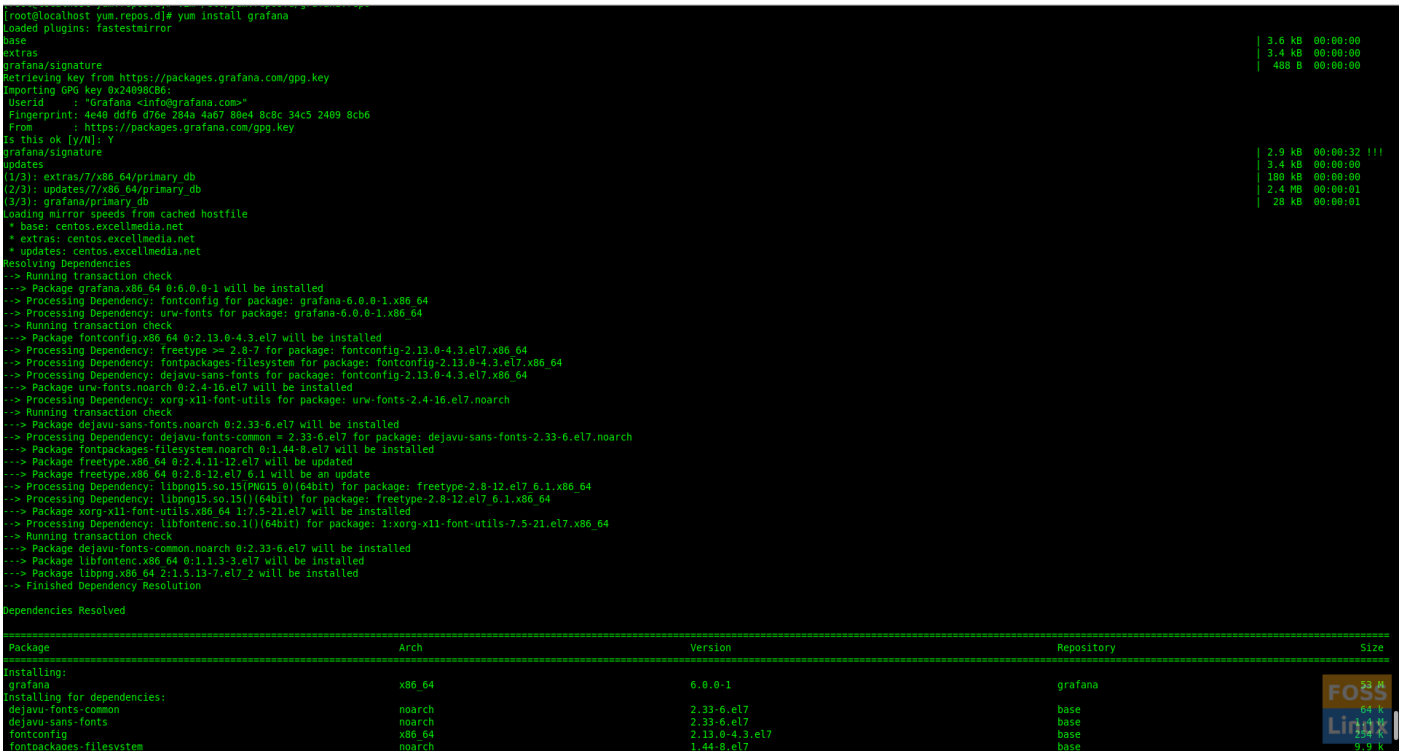
```
[grafana]

name=grafana

baseurl=https://packages.grafana.com/oss/rpm

repo_gpgcheck=1

enabled=1

gpgcheck=1

gpgkey=https://packages.grafana.com/gpg.key

sslverify=1
```

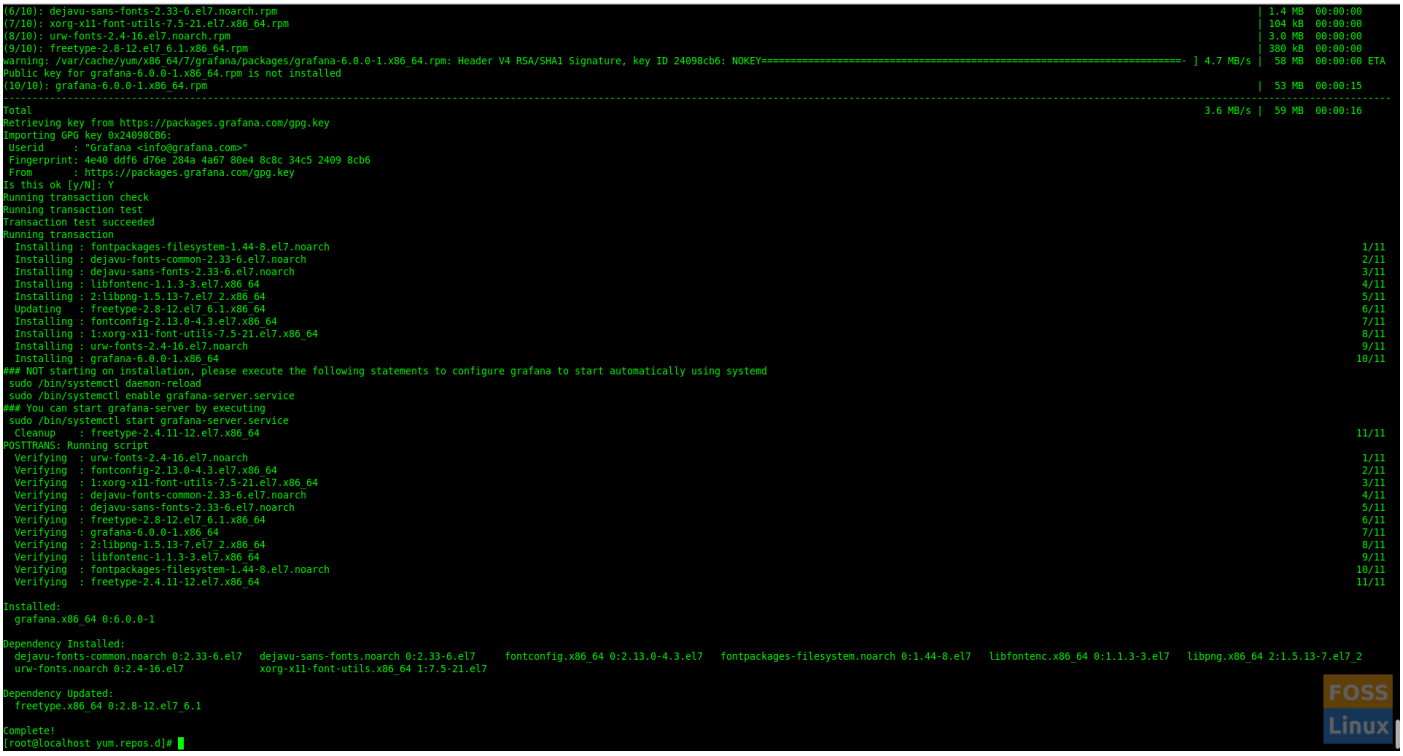
```
sslcacert=/etc/pki/tls/certs/ca-bundle.crt
```

Step 3 – Install Grafana

Enter the following command:

```
sudo yum install grafana
```





The Package does the following things:

- Installs binary to /usr/sbin/grafana-server
- Copies init.d script to /etc/init.d/grafana-server
- Installs default file to /etc/sysconfig/grafana-server
- Copies configuration file to /etc/grafana/grafana.ini
- Installs systemd service (if systemd is available) name grafana-server.service
- The default configuration uses a log file at /var/log/grafana/grafana.log

Step 4 – Install additional font packages

Continue with following commands to install the free type and urw fonts.

```
yum install fontconfig

yum install freetype*

yum install urw-fonts
```

Step 5 – Enable Grafana Service

Check the status of the service.

```
systemctl status grafana-server
```

If service is not active, start it using the following command:

```
systemctl start grafana-server
```

Enable Grafana service on system boot

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

Step 6 – Modify Firewall

Change firewall configuration to allow Grafana port. So run following command.

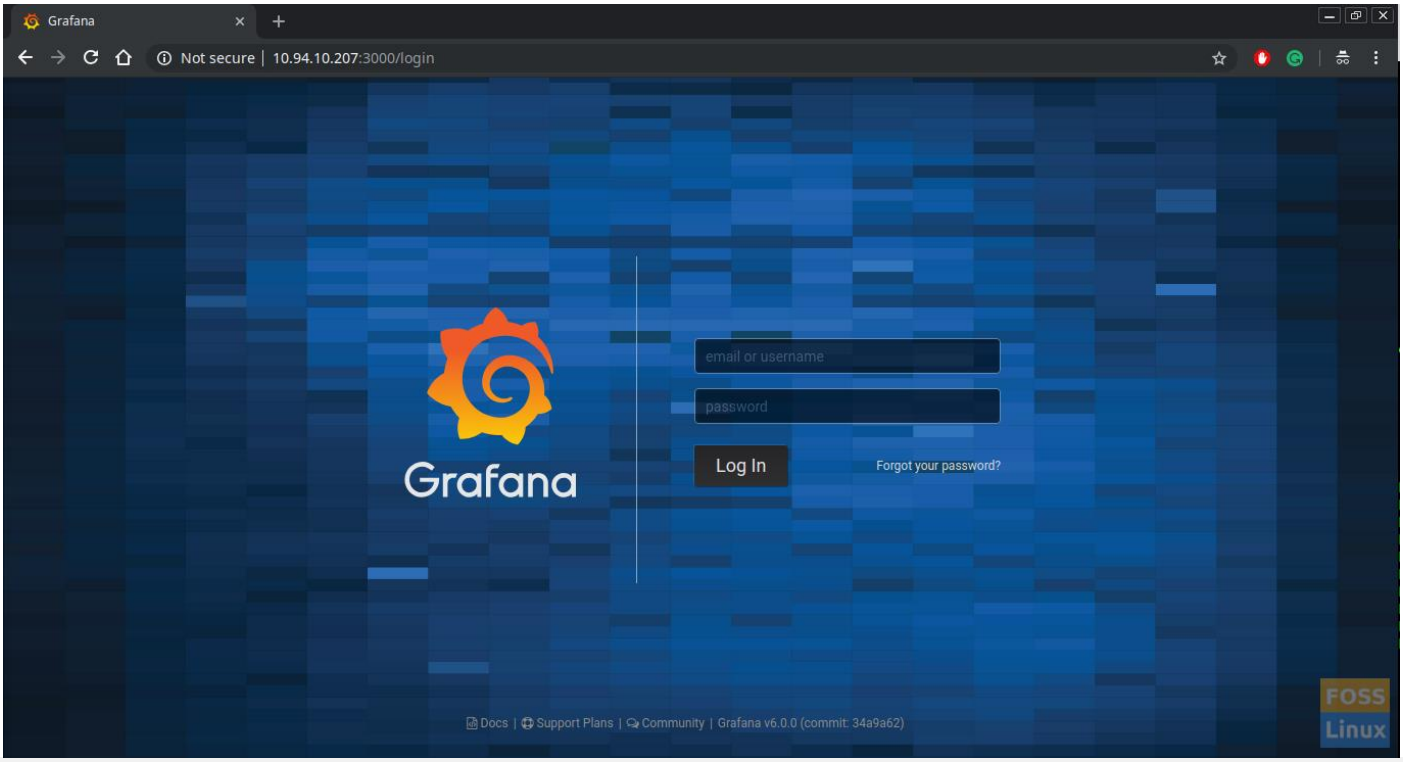
```
firewall-cmd --zone=public --add-port=3000/tcp --permanent
```

Reload firewall service.

```
firewall-cmd --reload
```

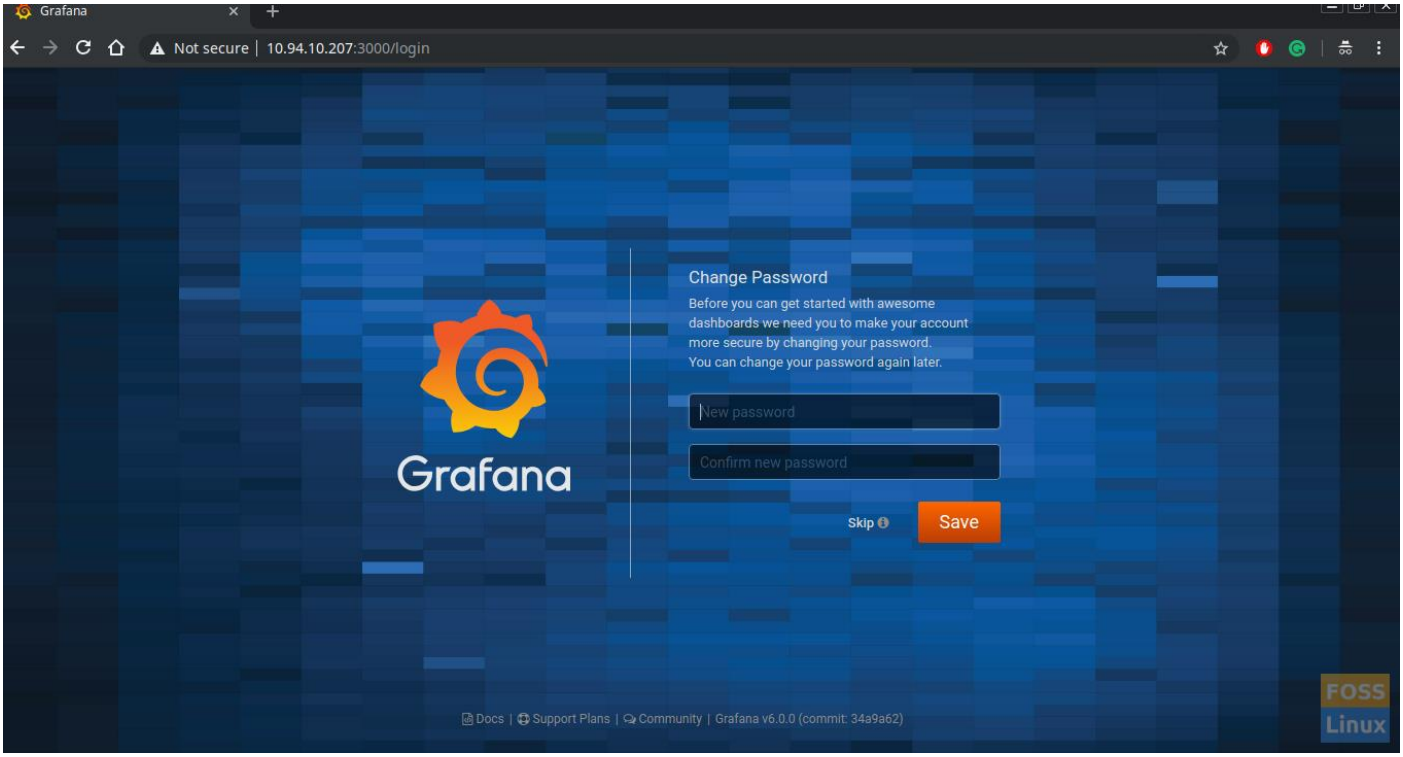
Step 7 – Browse Grafana

Use the following URL to access the Grafana web interface.

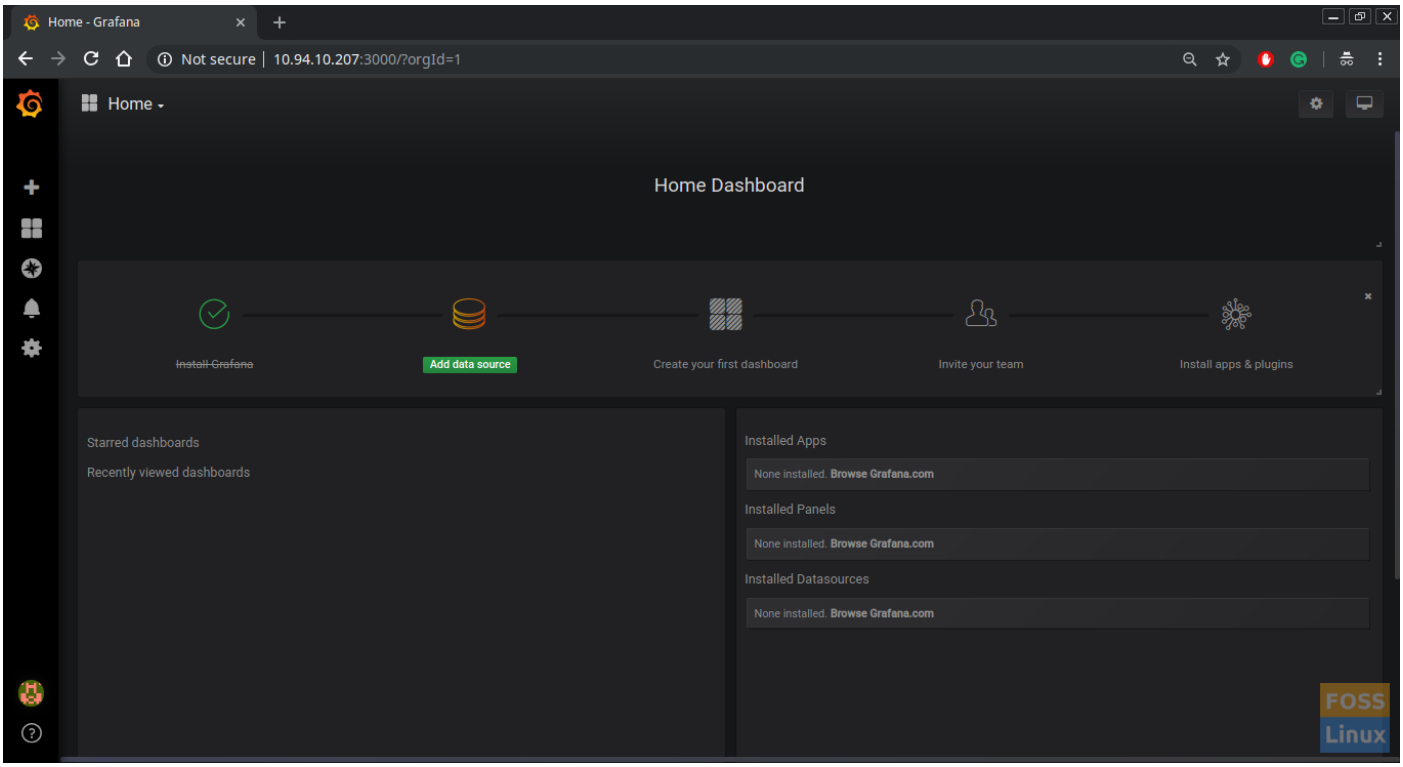



```
http://Your Server IP or Host Name:3000/
```

Enter “admin” in the login and password fields for first-time use; then it should ask you to change the password.



It should redirect to the Dashboard.



In the previous article, we learned how to install Zabbix. So here we are going to add Zabbix Plugin to Grafana.

Step 8 – Install Plugins

To Install Zabbix plugin run following command:

```
grafana-cli plugins install alexanderzobnin-zabbix-app
```

Default plugin installation directory is /var/lib/grafana/plugins. Restart Grafana Service.

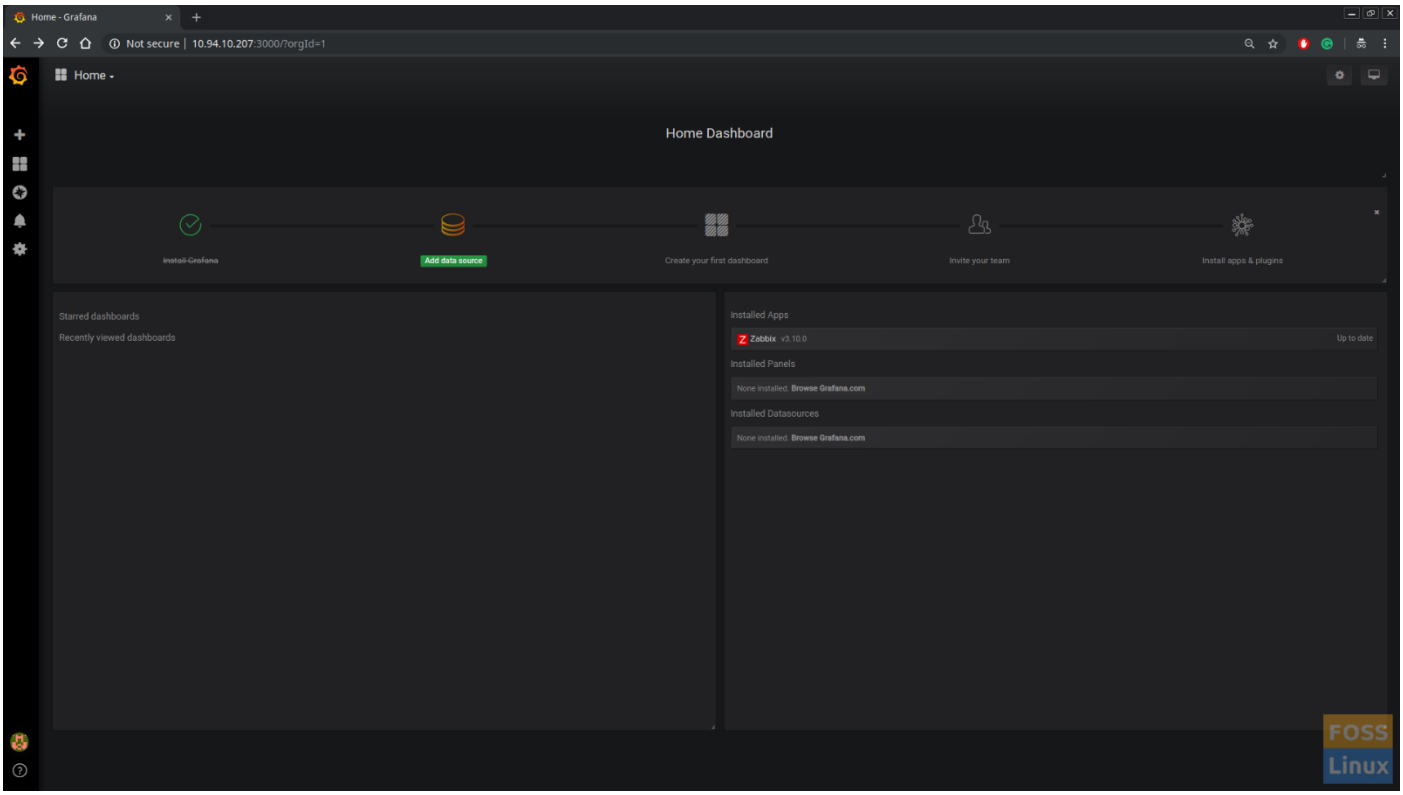
```
systemctl restart grafana-server
```

Refresh Grafana Dashboard to see Zabbix plugin. Click “Enable Now.”

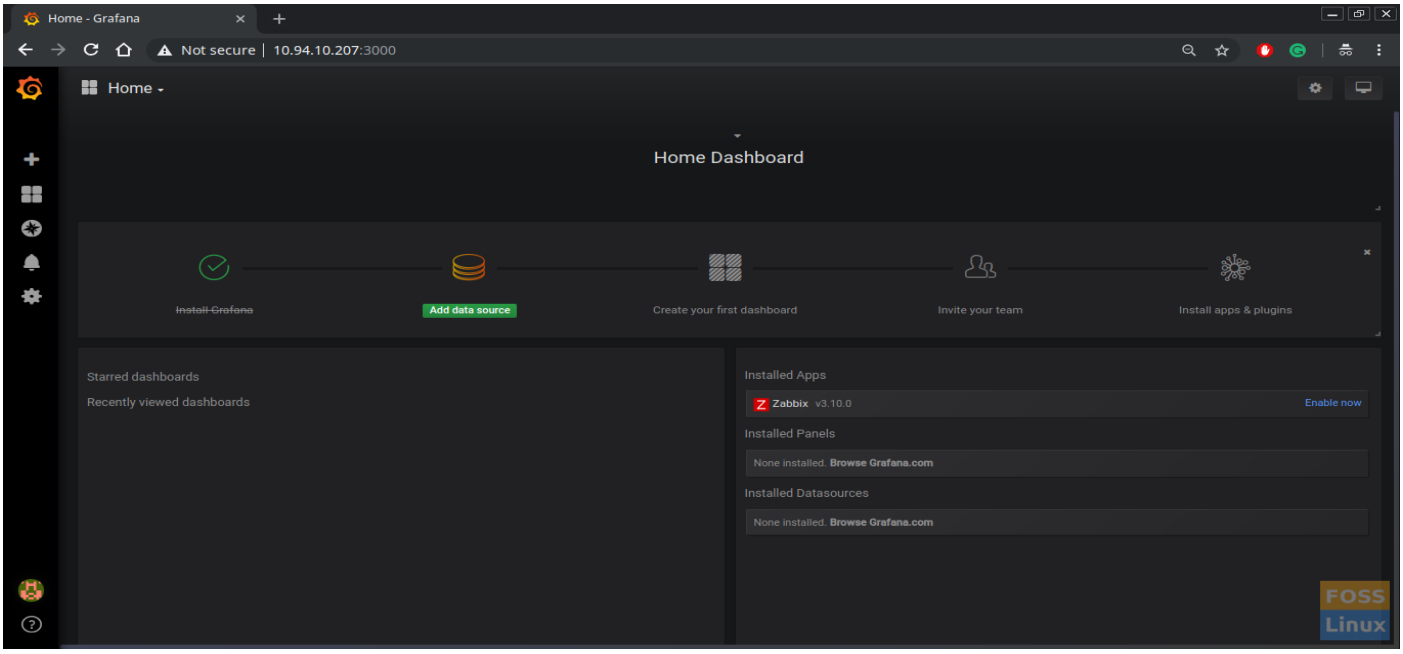
The dashboard should show that the Zabbix plugin is up to date.

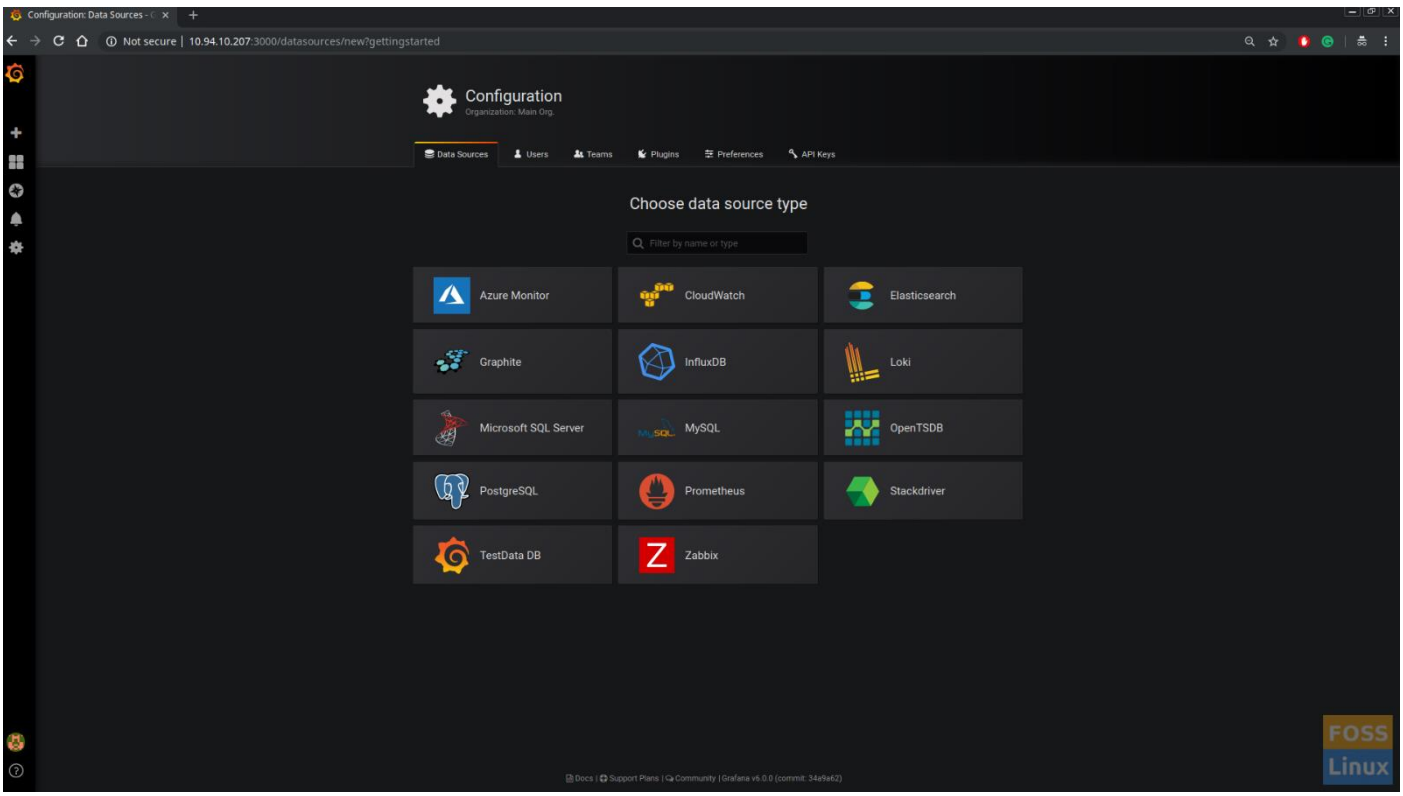
Step 9 – Configure Zabbix Plugin

Click on “Add data Source.”

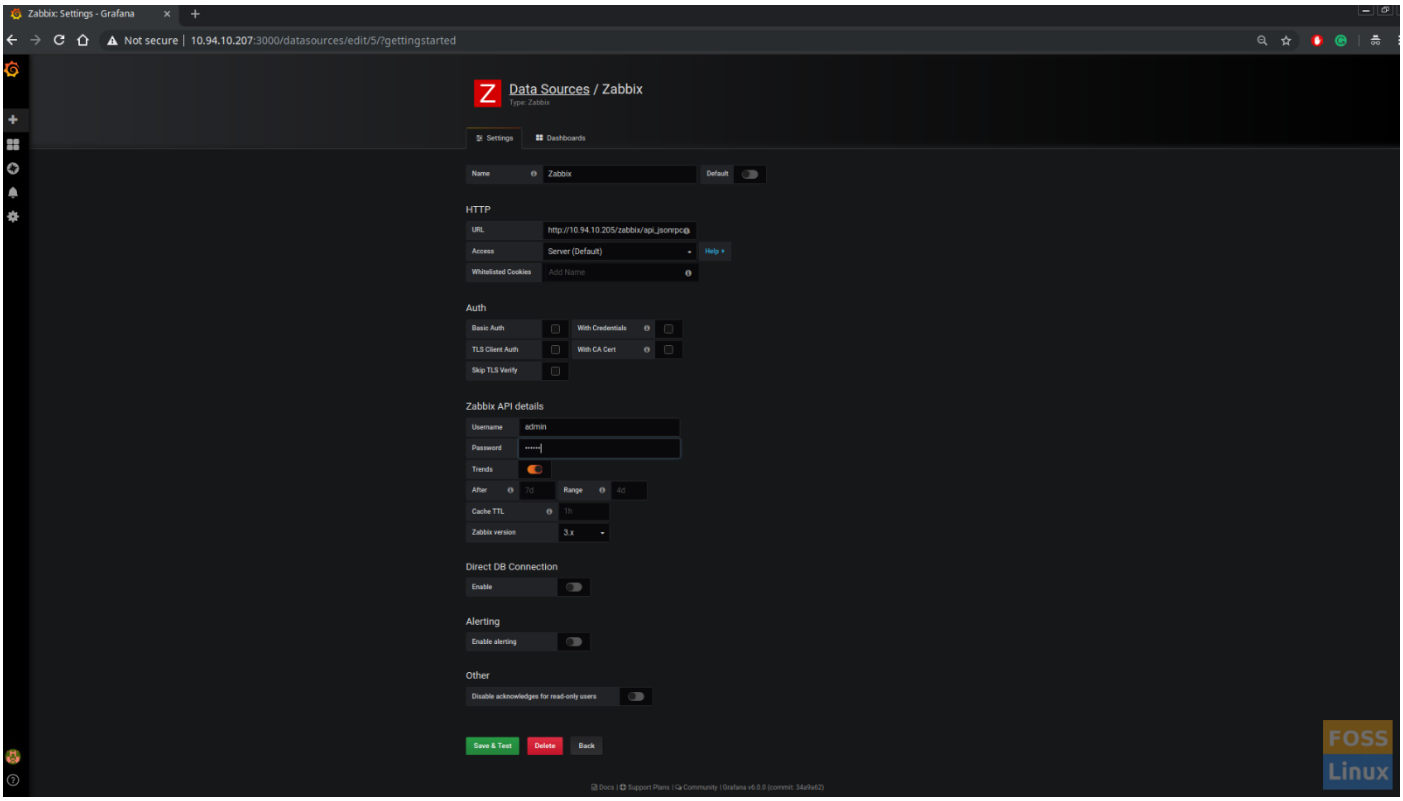


You should see various kind of data sources. Select Zabbix from it.





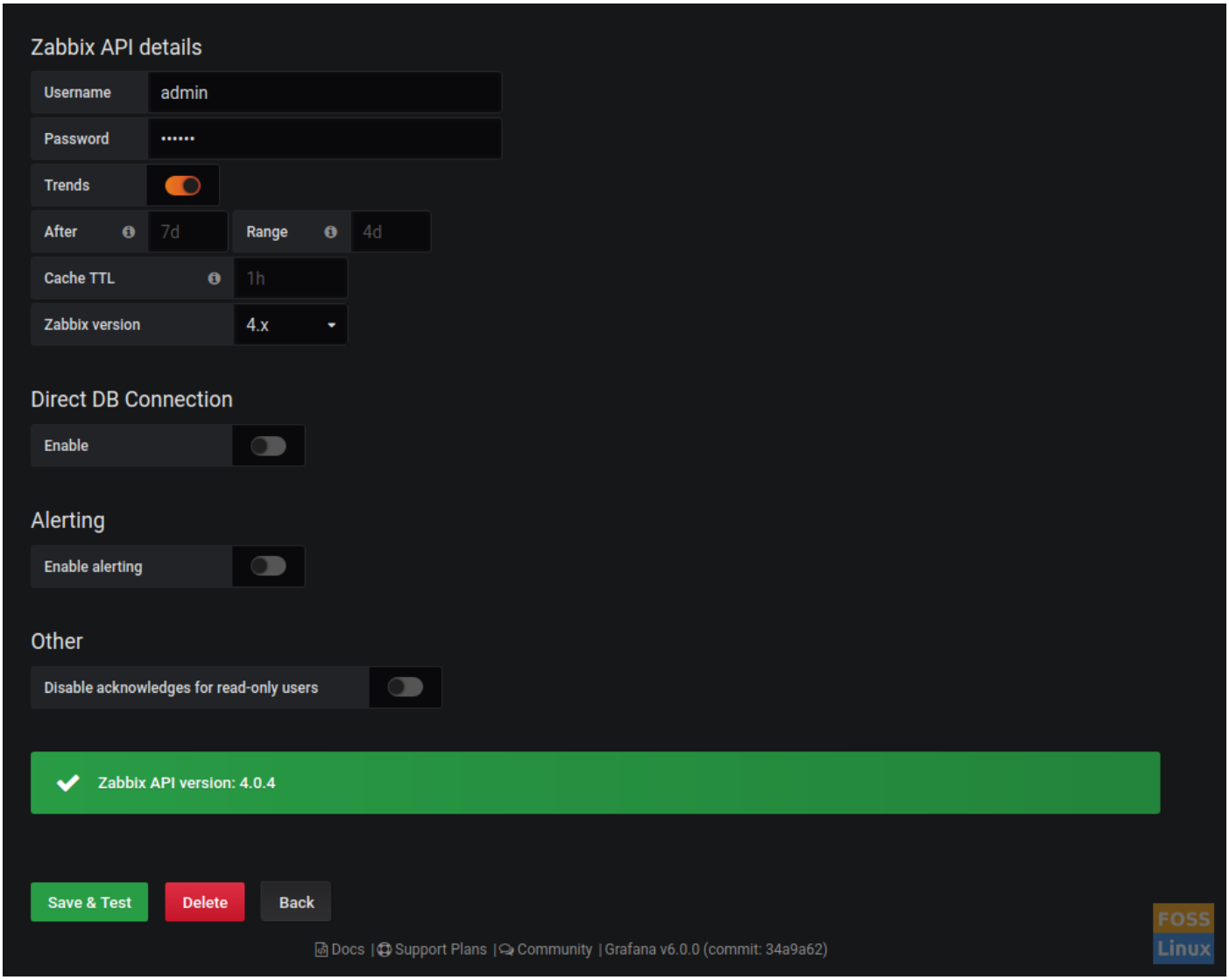
Next, you should see the configuration page.



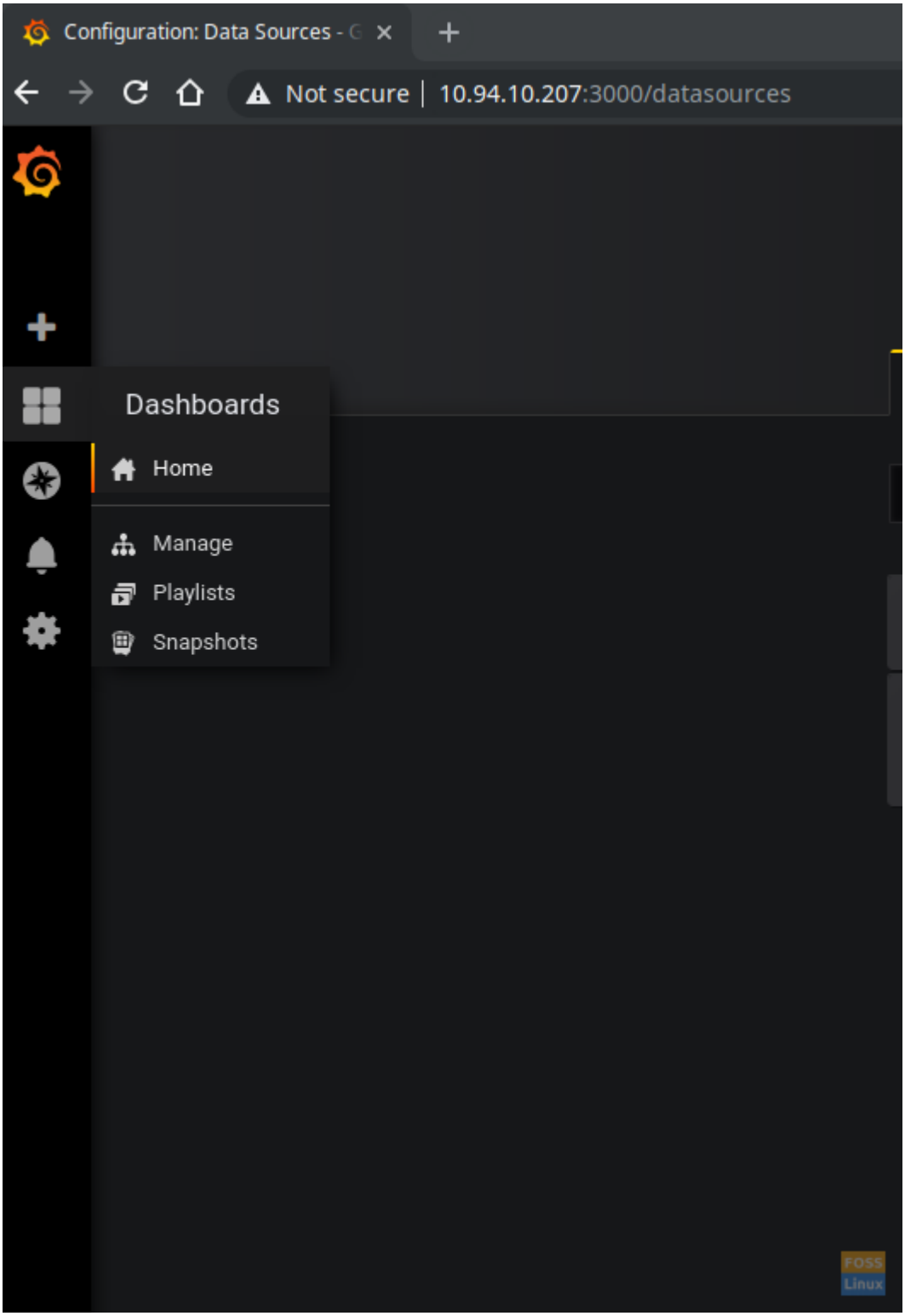
Under HTTP modify URL, add Zabbix Server User Name and Password under Zabbix API details:

```
http://Your-Zabbix-ServerIP/zabbix/api_jsonrpc.php
```

Enable Trends. Click Save and Test.

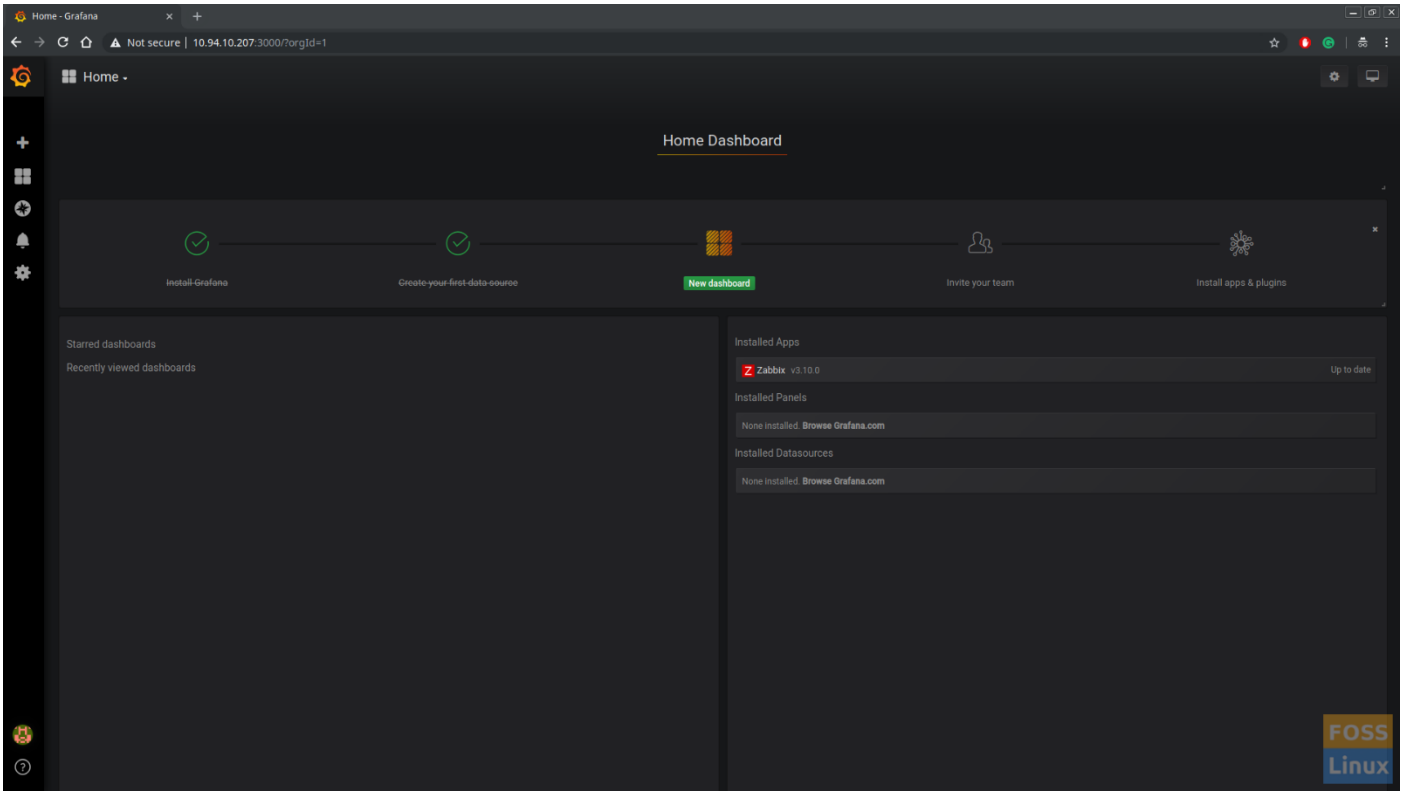


Go home clicking Dashboards -> Home.

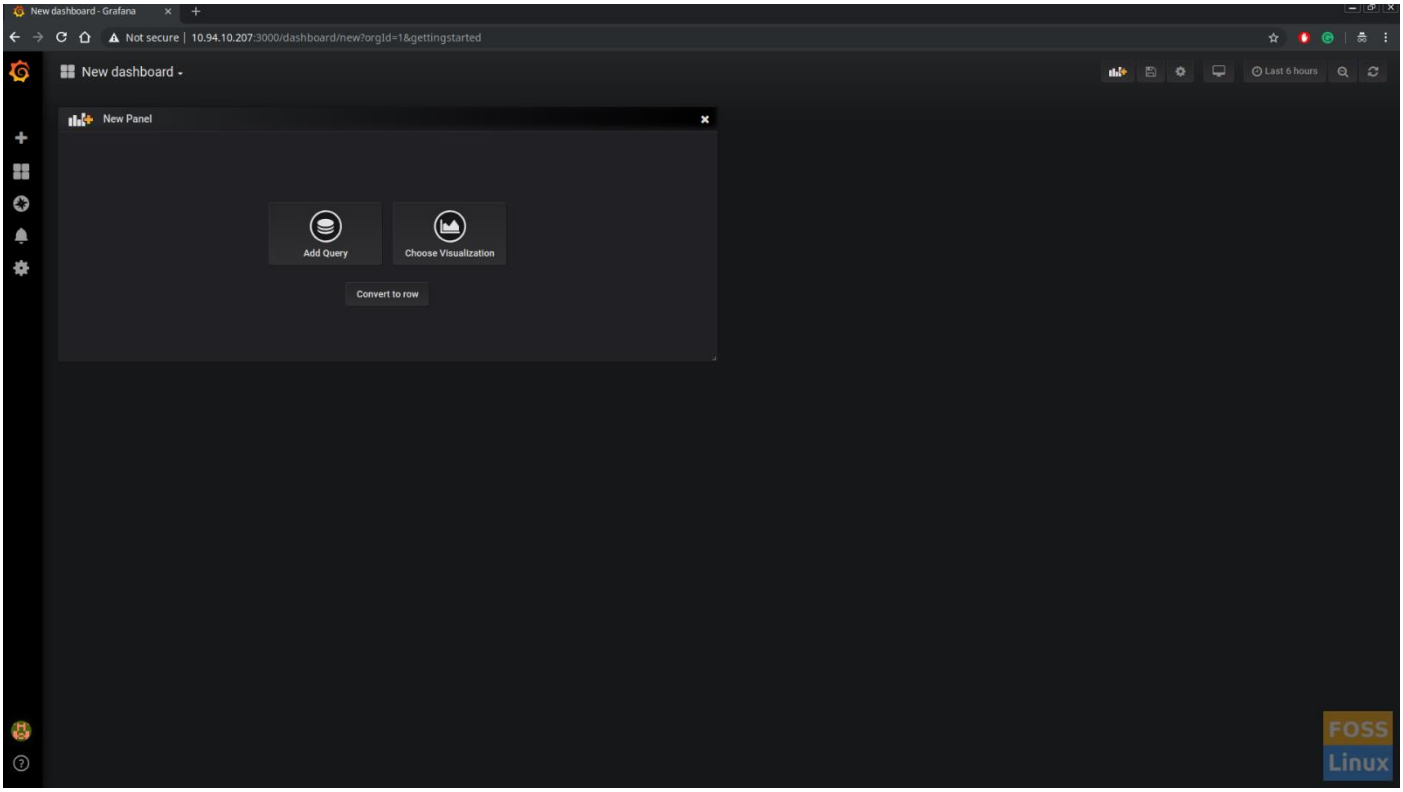


Step 10 – Create a Dashboard

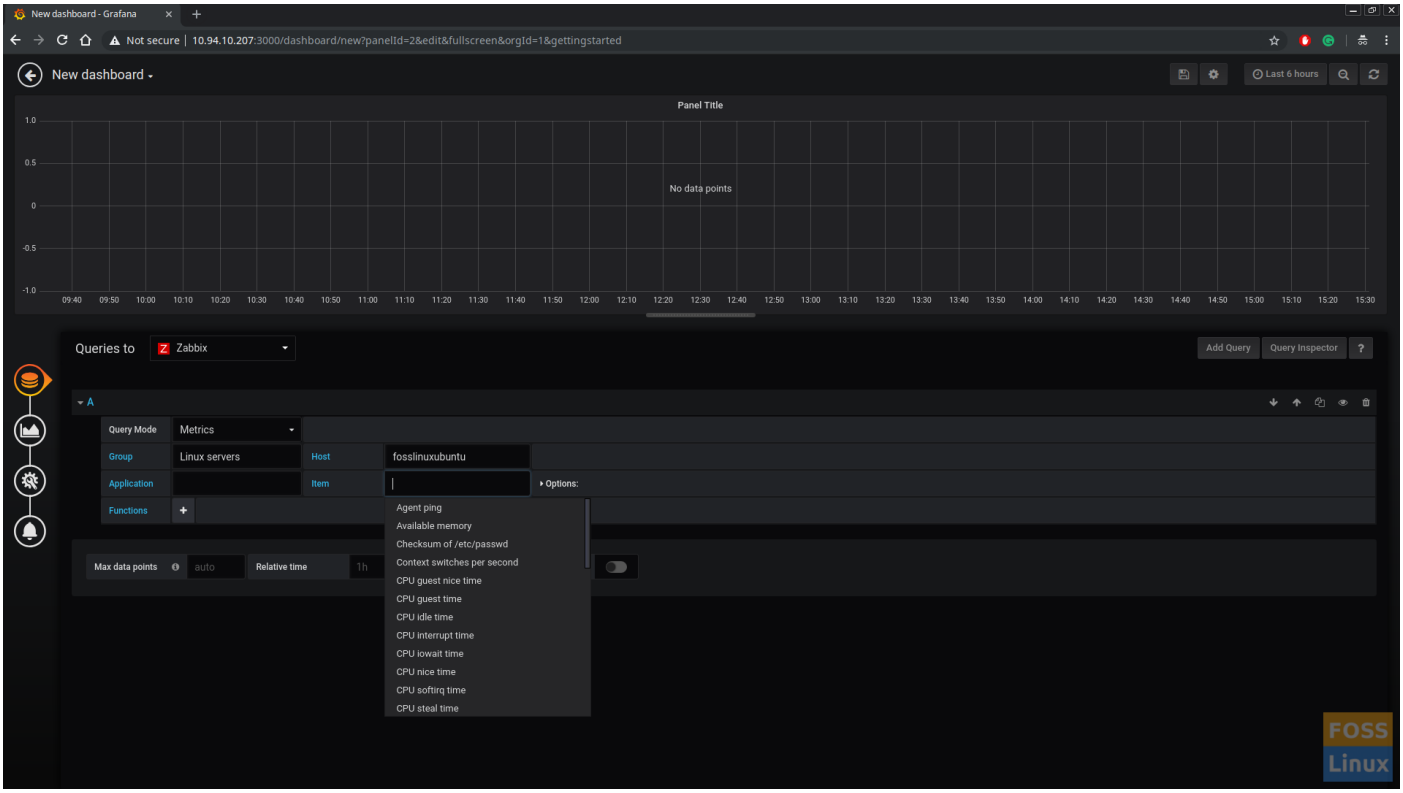
Click on “New dashboard ” to create.



Click on “Add Query”.

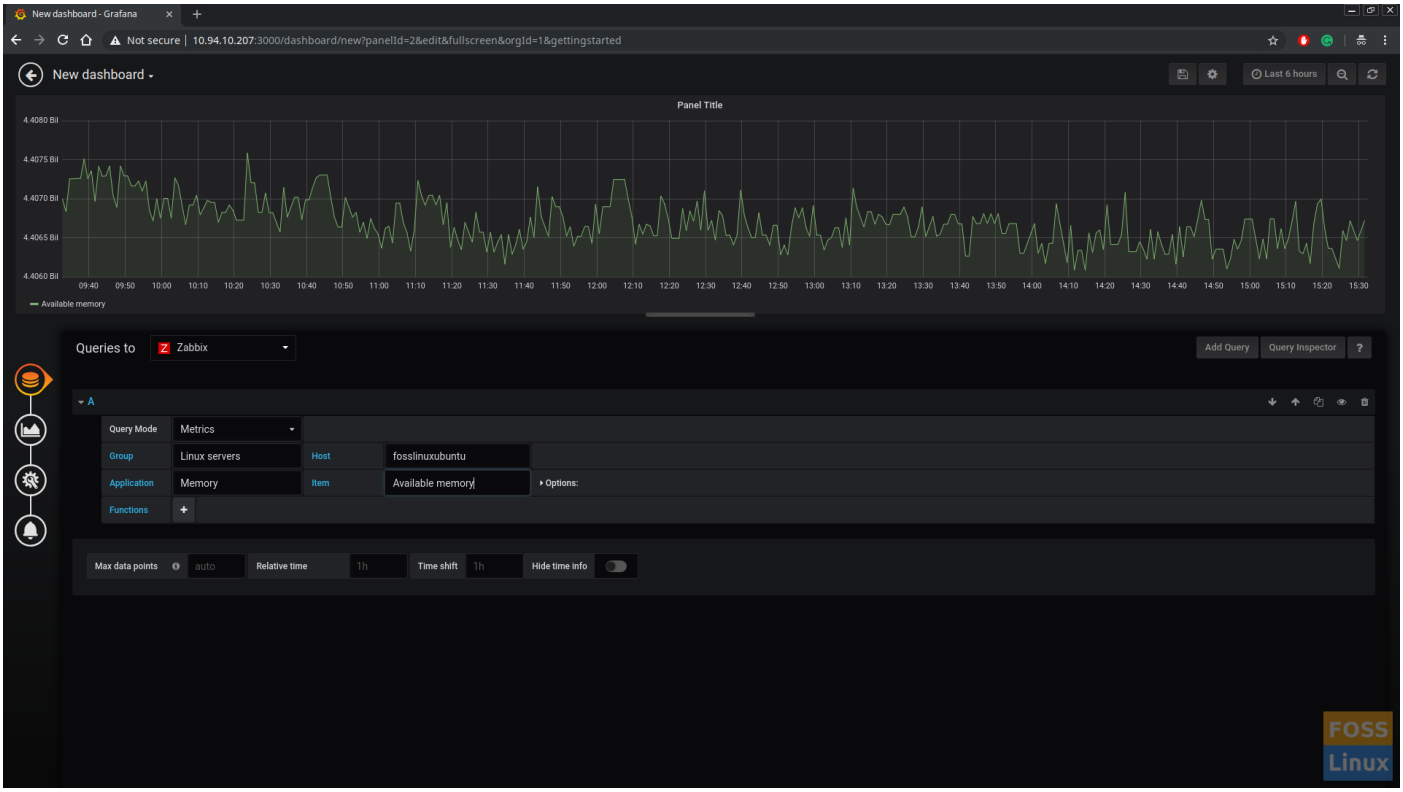


You should see the Query window.

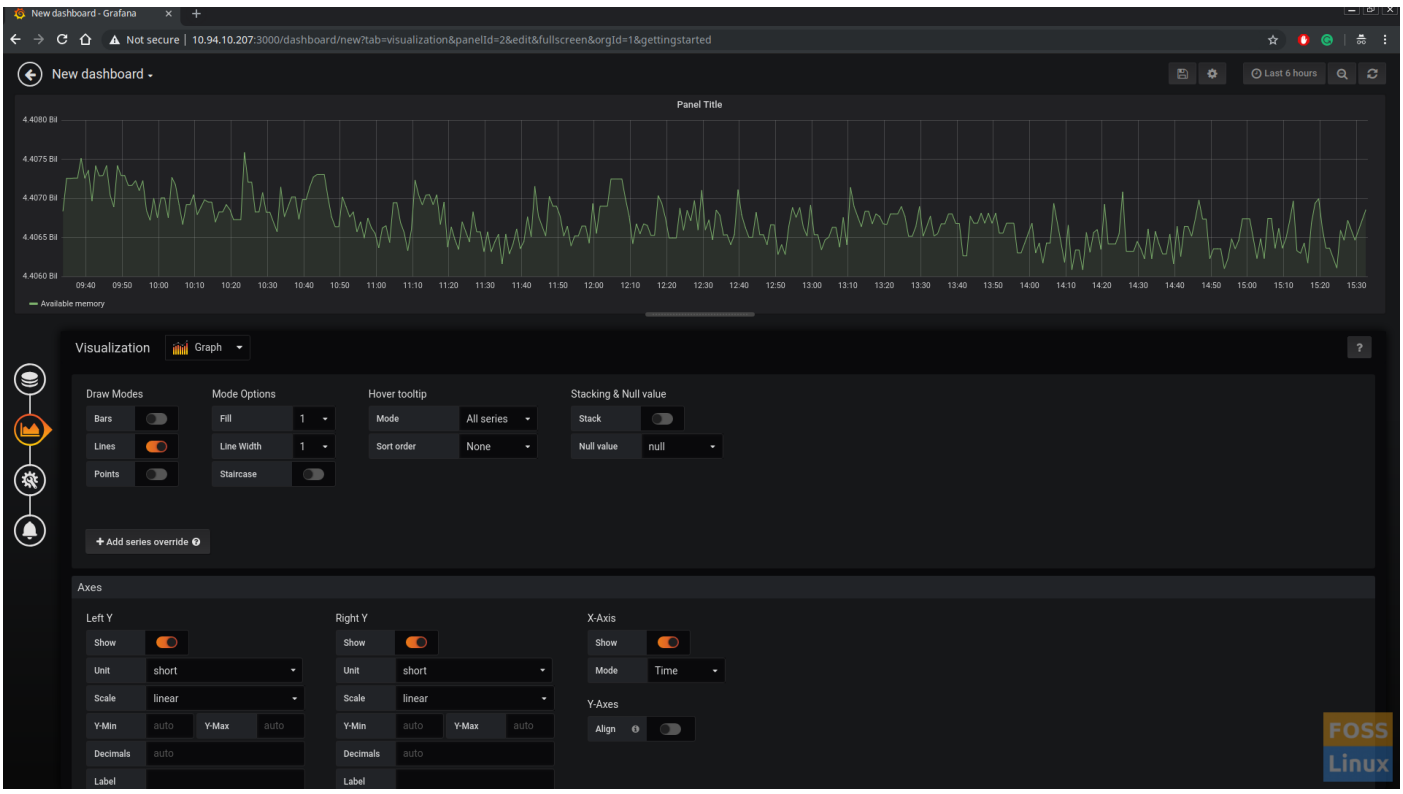


Select Queries to “Zabbix”. Set Query Mode to “Metrics”.

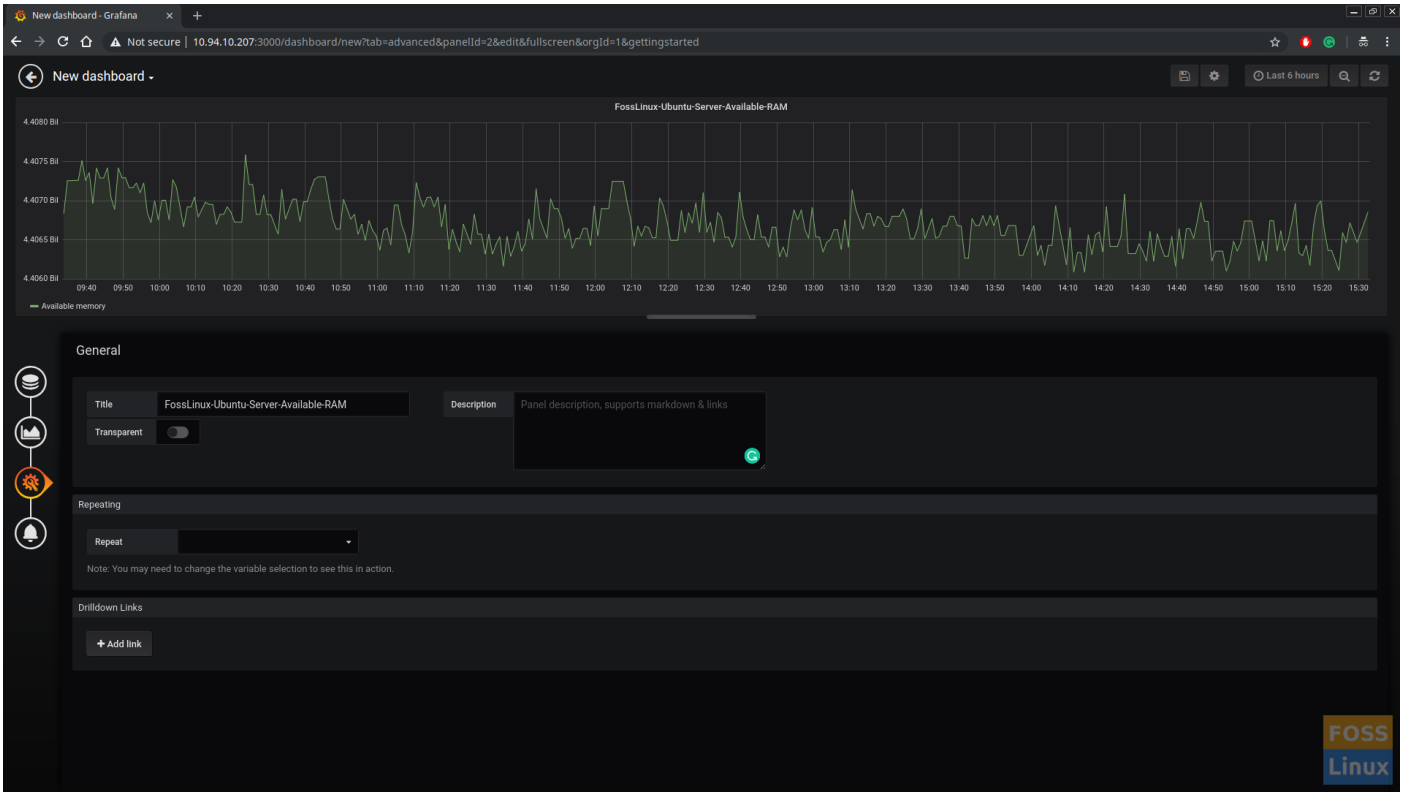
Select “Group”, “Host”, “Application”, “Item” from drop-down menu. (These data comes from Zabbix server).



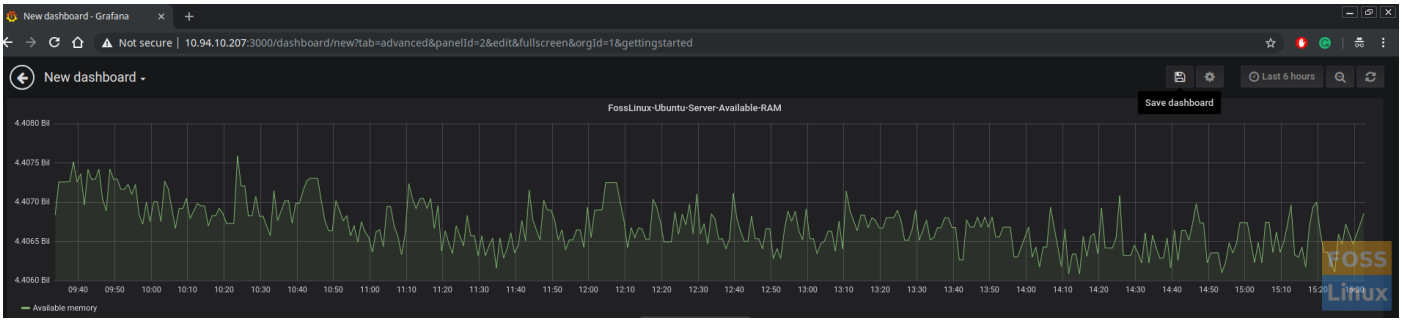
Click on Visualization to configure Graph. Select Visualization type from the drop-down menu.



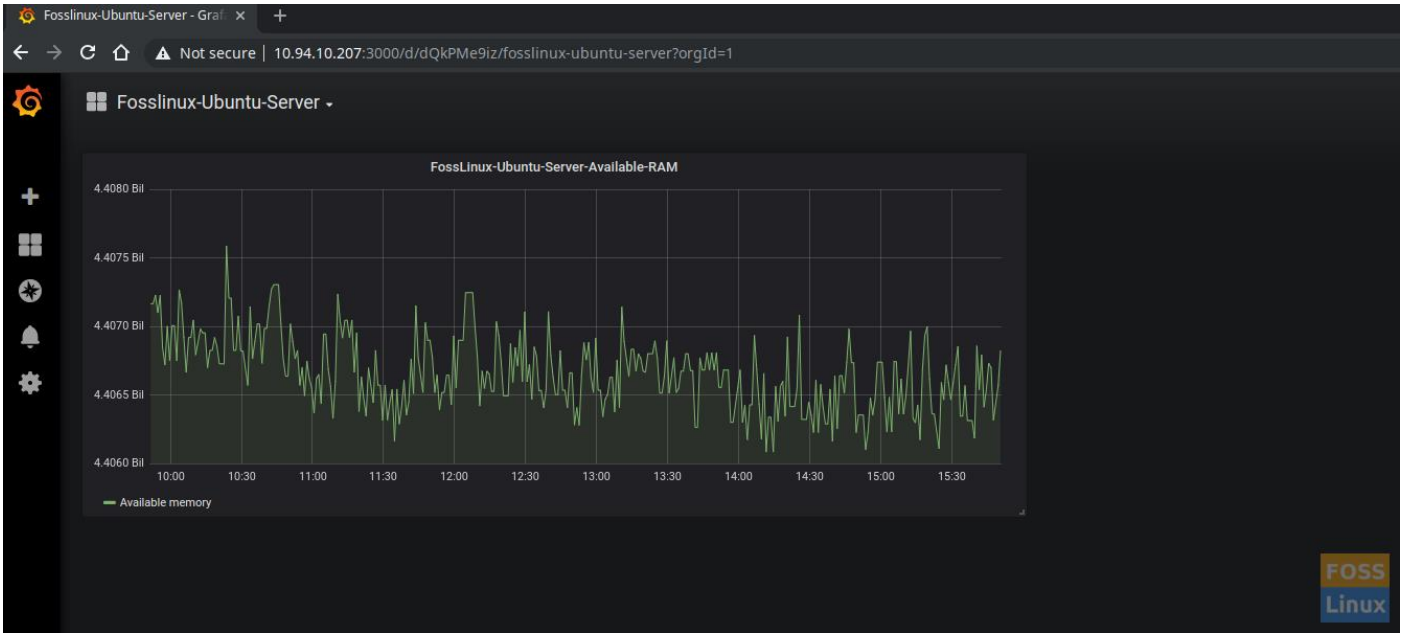
Then click general and add a title to the dashboard.



Finally, you can save the Dashboard and give any name.



You can view your newly created Graph!



Congratulations, you have successfully installed and configured Grafana with visualization. There are loads of plugins further to explore, and with Grafana able to support various kind of data sources, it’s up to you on how you want to configure those data sources and plugins to suit your needs.

https://www.fosslinux.com/8328/how-to-install-and-configure-grafana-on-centos-7.htm