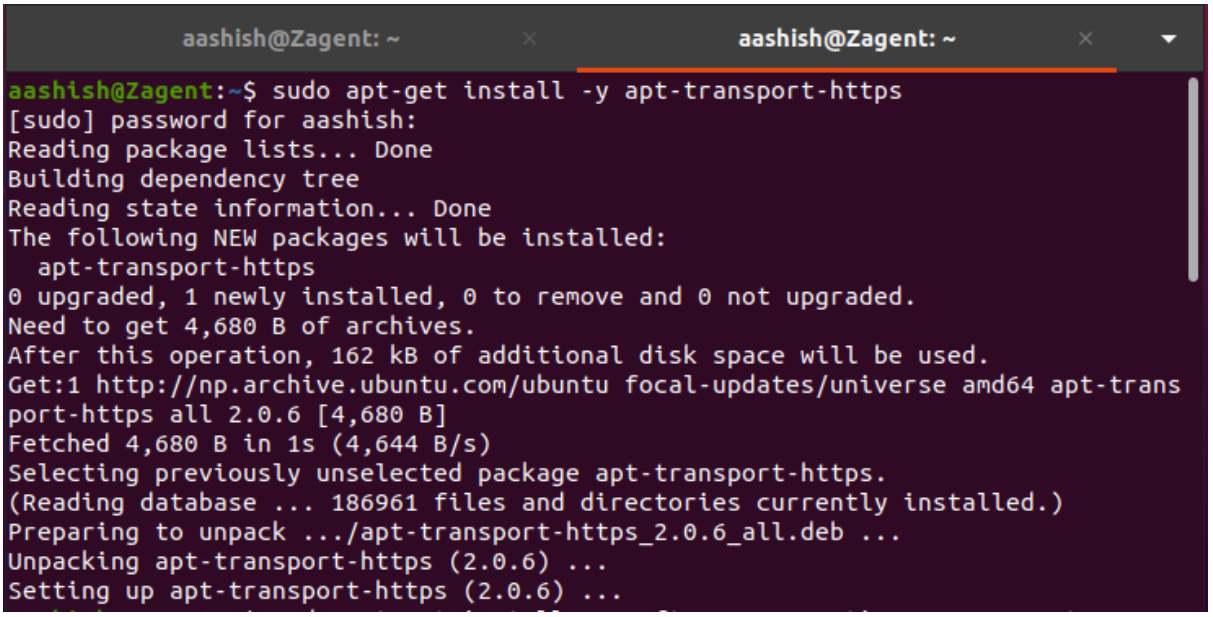
3.
Install grafana server on same server as prometheus

- **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.**

Answer:

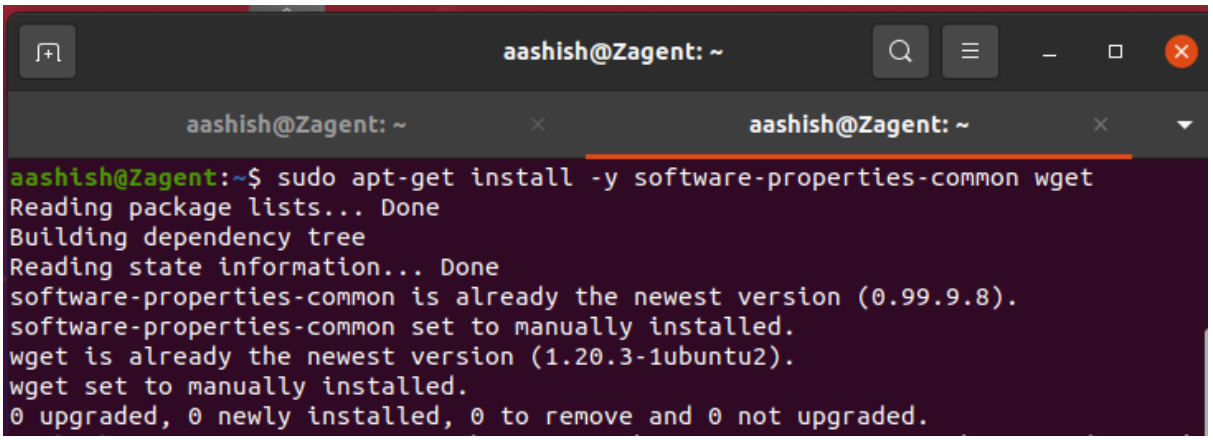
To install the grafana server, first, we need to install apt-transport-https package as follows;

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



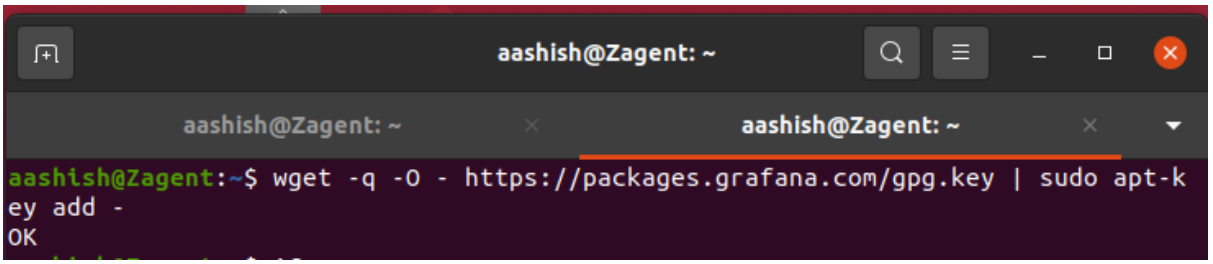
Next, we install software-properties-common package as follows;

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



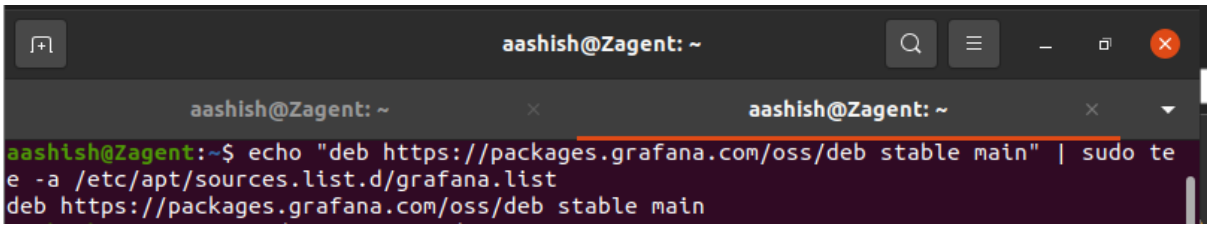
Next, we install the public signing key as follows;

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

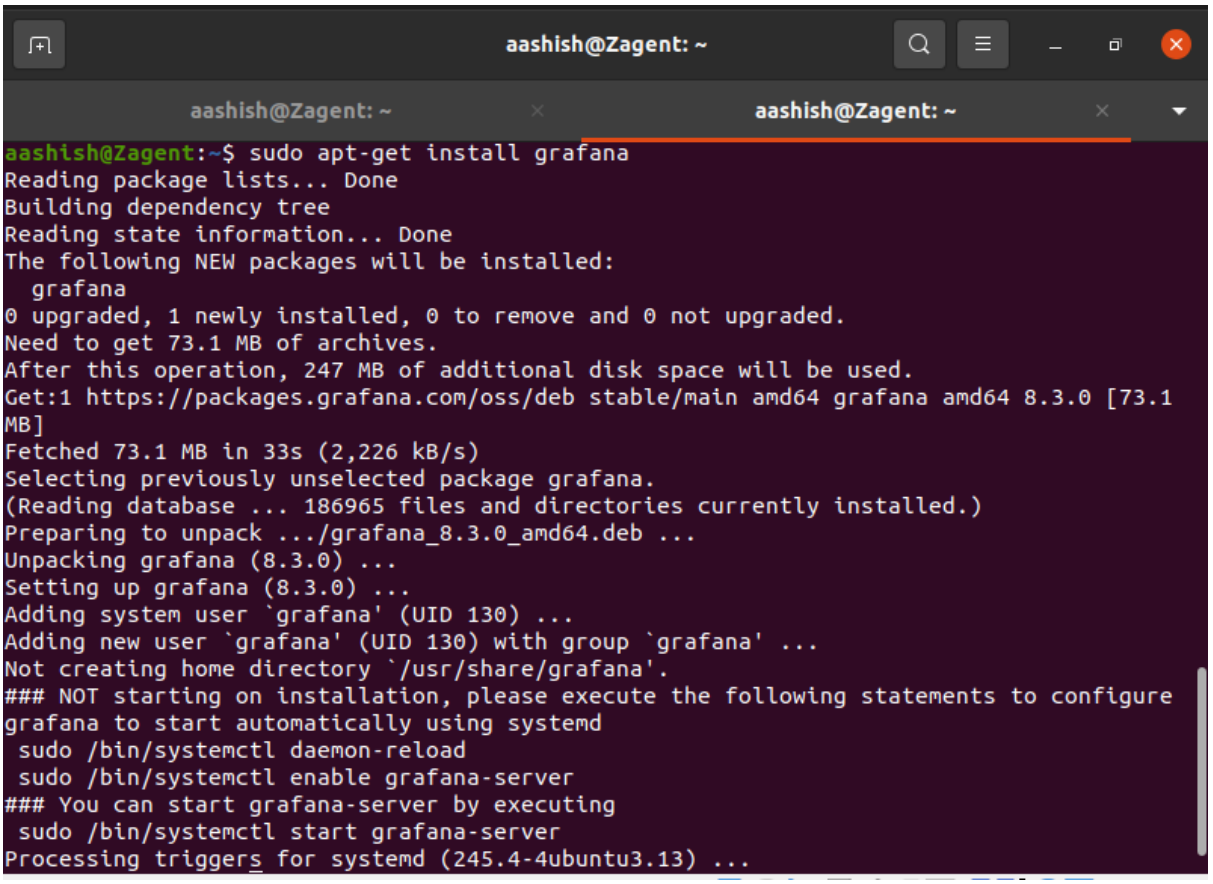


Next, we add the grafana repositories to the custom APT repositories as follows;

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

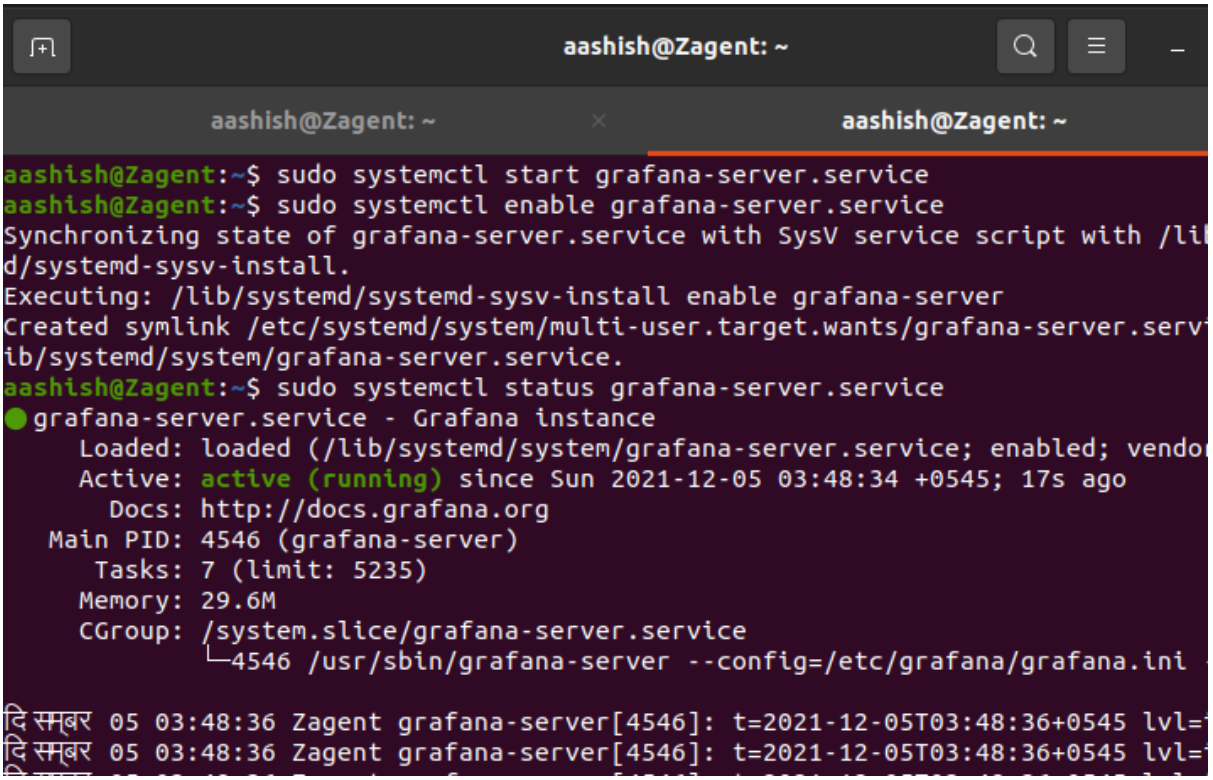


Next, we install **grafana** as follows;

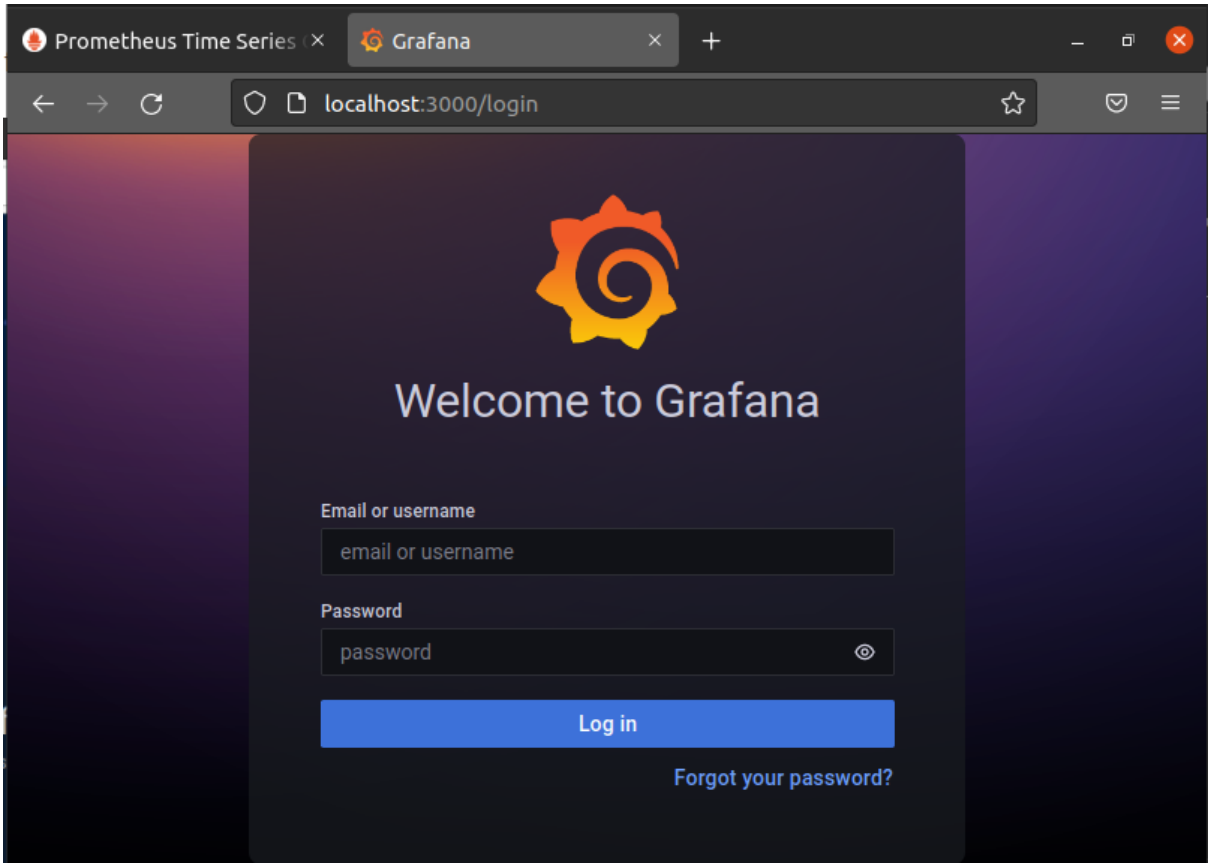


Then, we start, enable and check the status of grafana server as follows;

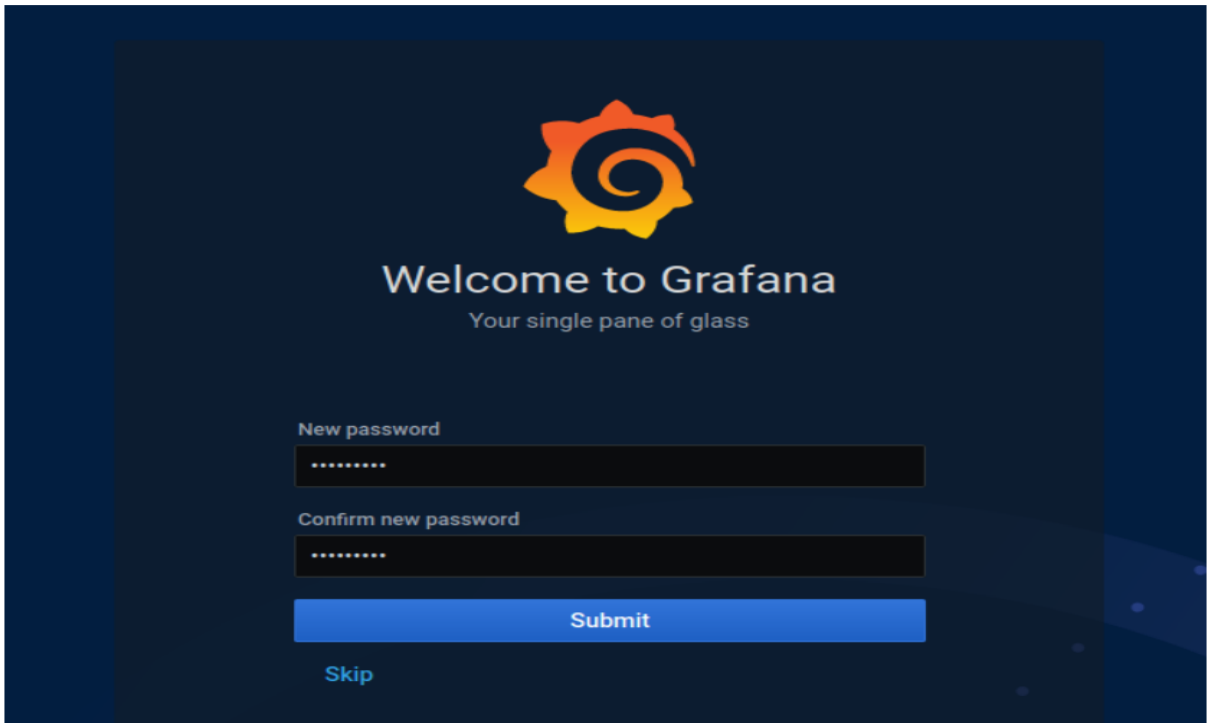
- **sudo systemctl start grafana-server.service**
- **sudo systemctl enable grafana-server.service**
- **sudo systemctl status grafana-server.service**



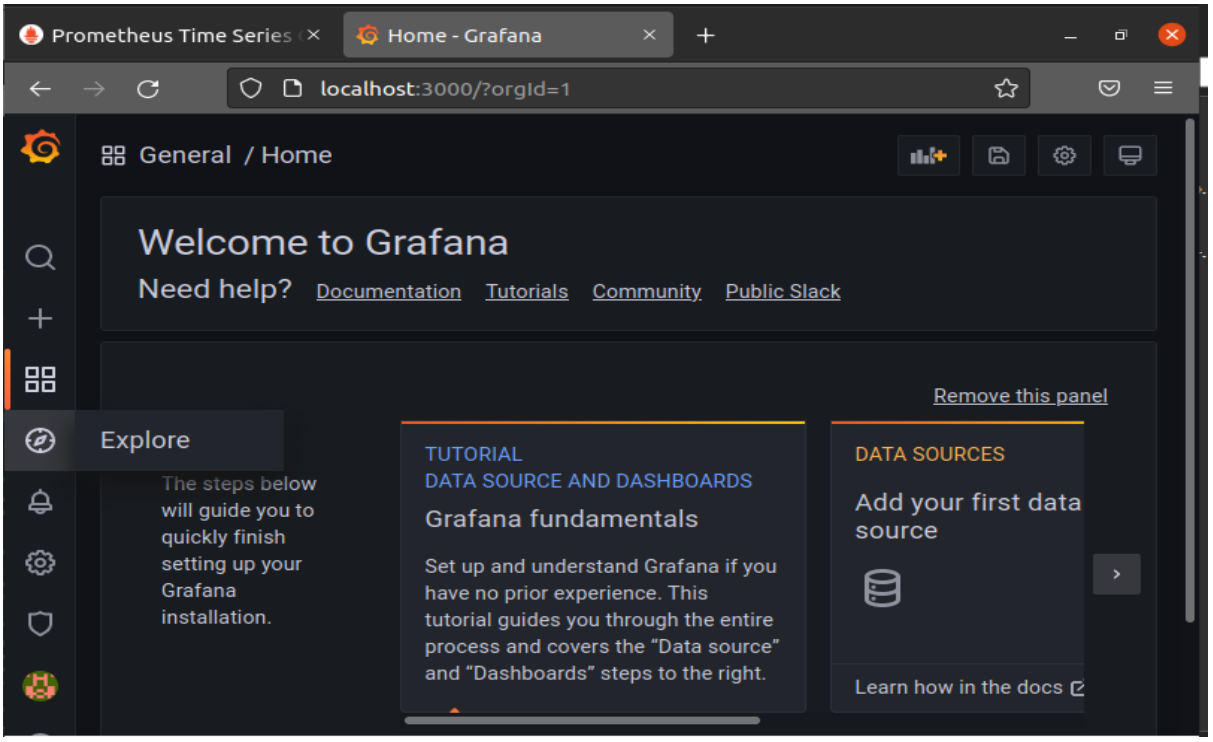
Then, we open the **grafana** via web browser as follows;



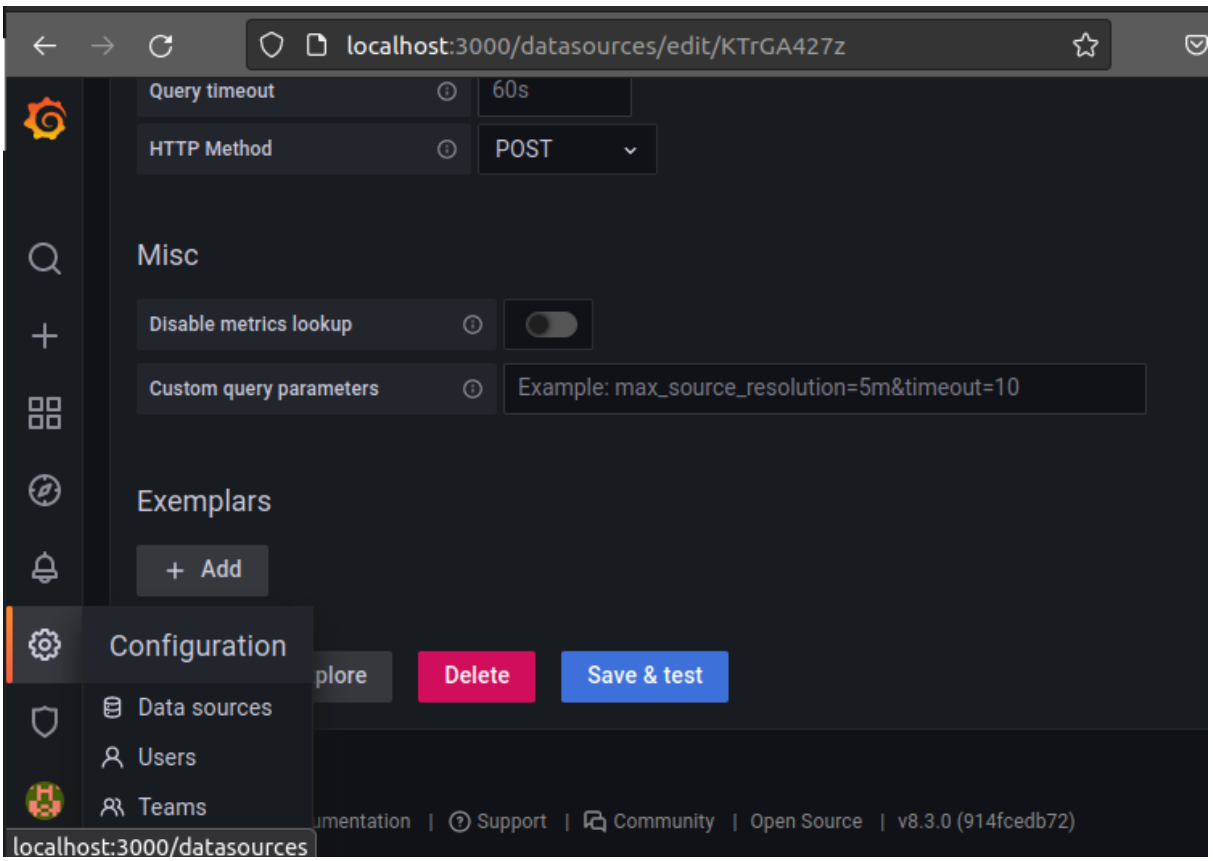
We use default login credentials i.e. username=**admin** and password=**admin**.
Then, we need to set a new password after logging in using the default credentials.



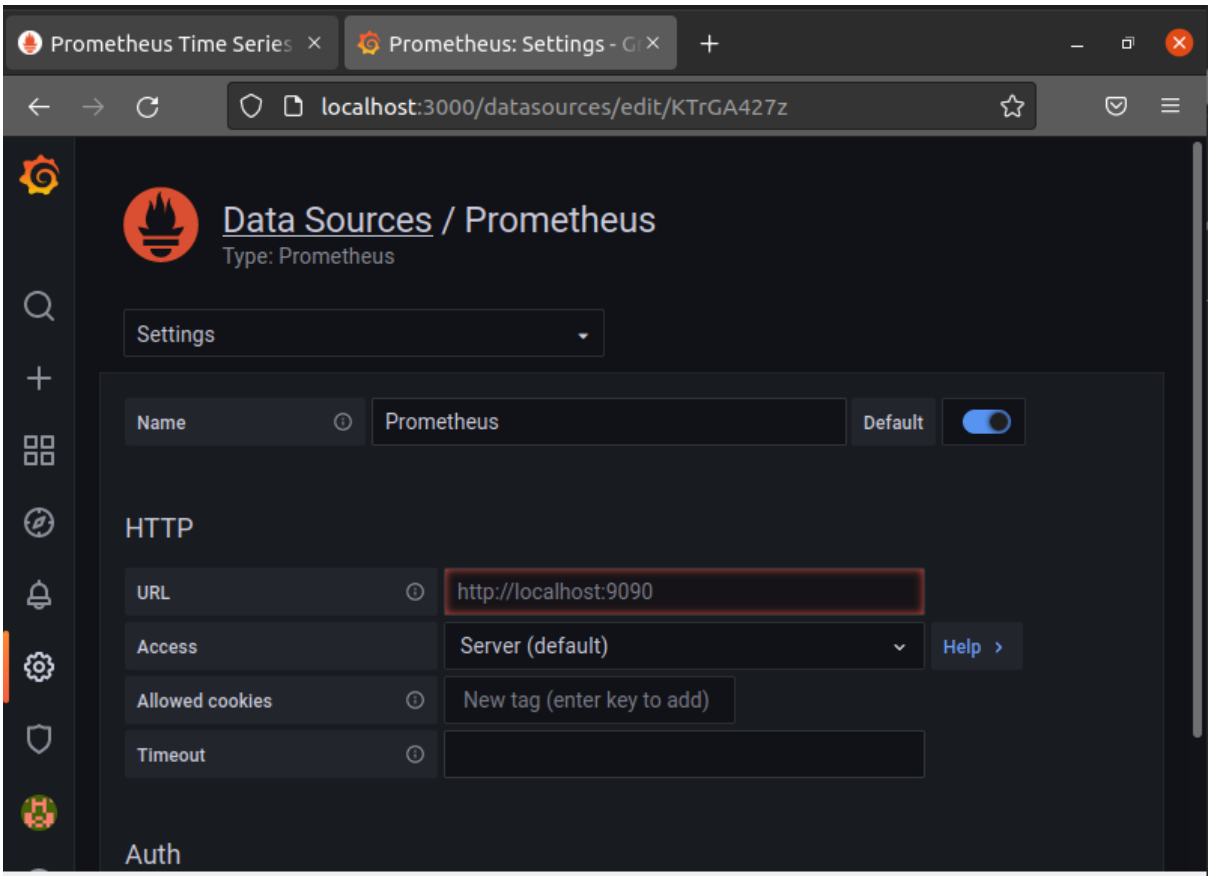
Grafana dashboard accessed successfully.



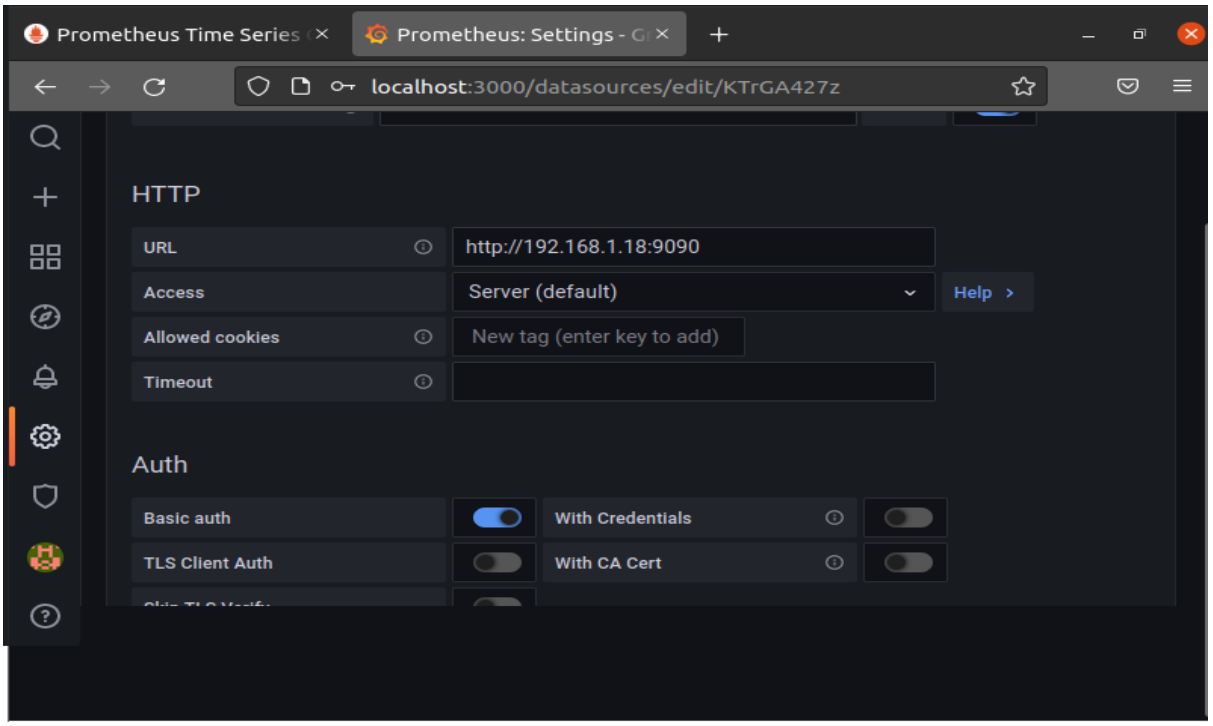
Next, we click on **Configuration -> Data sources** as follows;



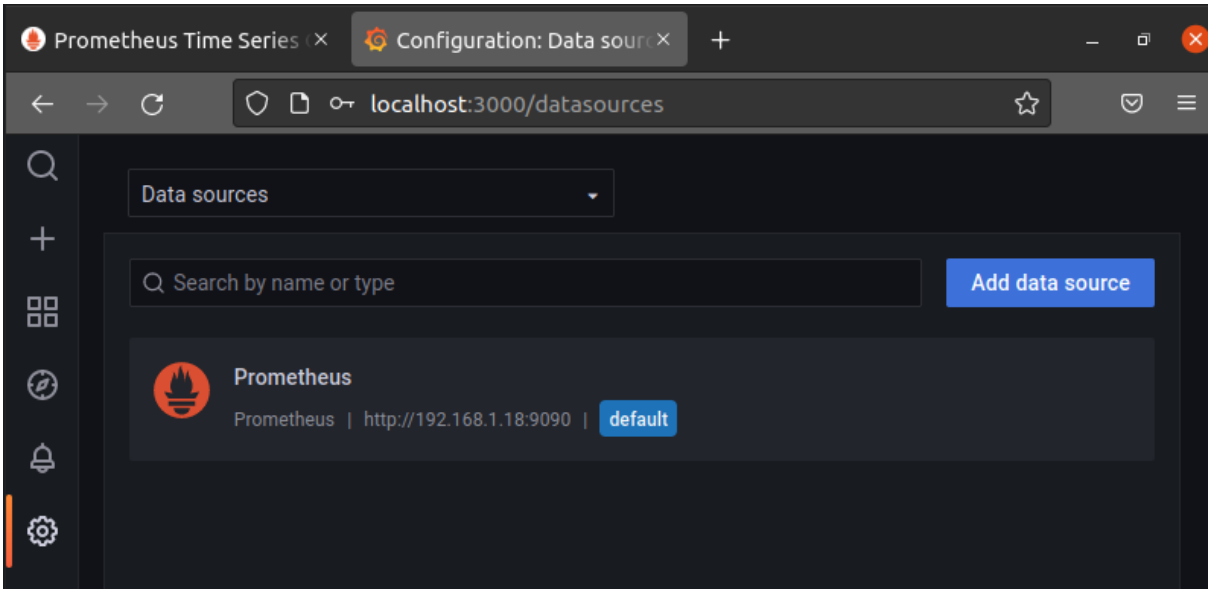
Next, we added prometheus as the data source in grafana data source configuration. Then we set name, URL and basic authentication as follows;



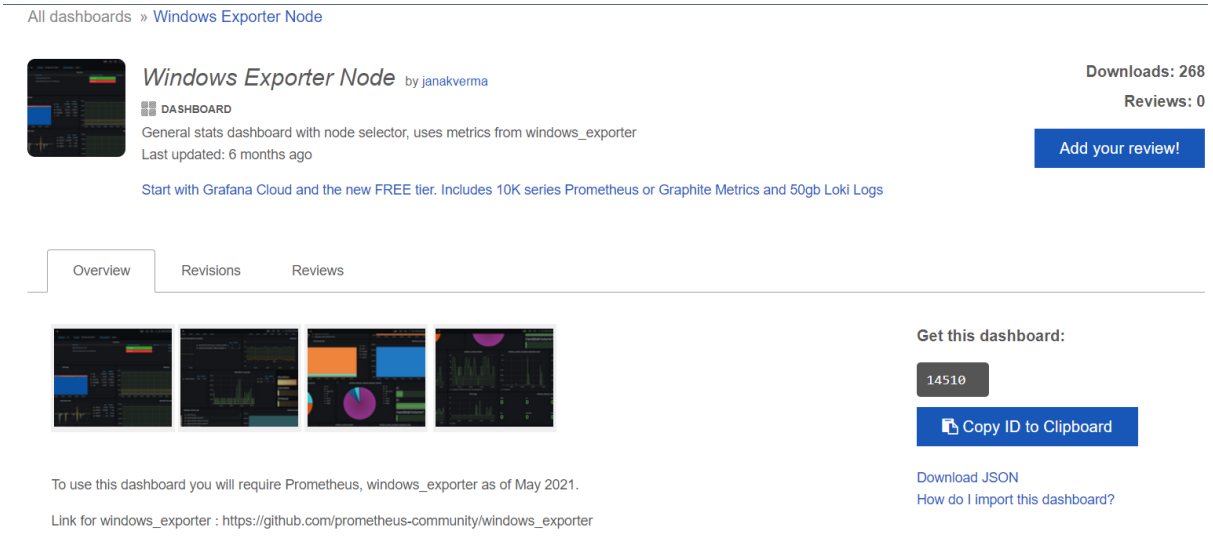
Prometheus configured successfully as data sources in grafana server as follows;



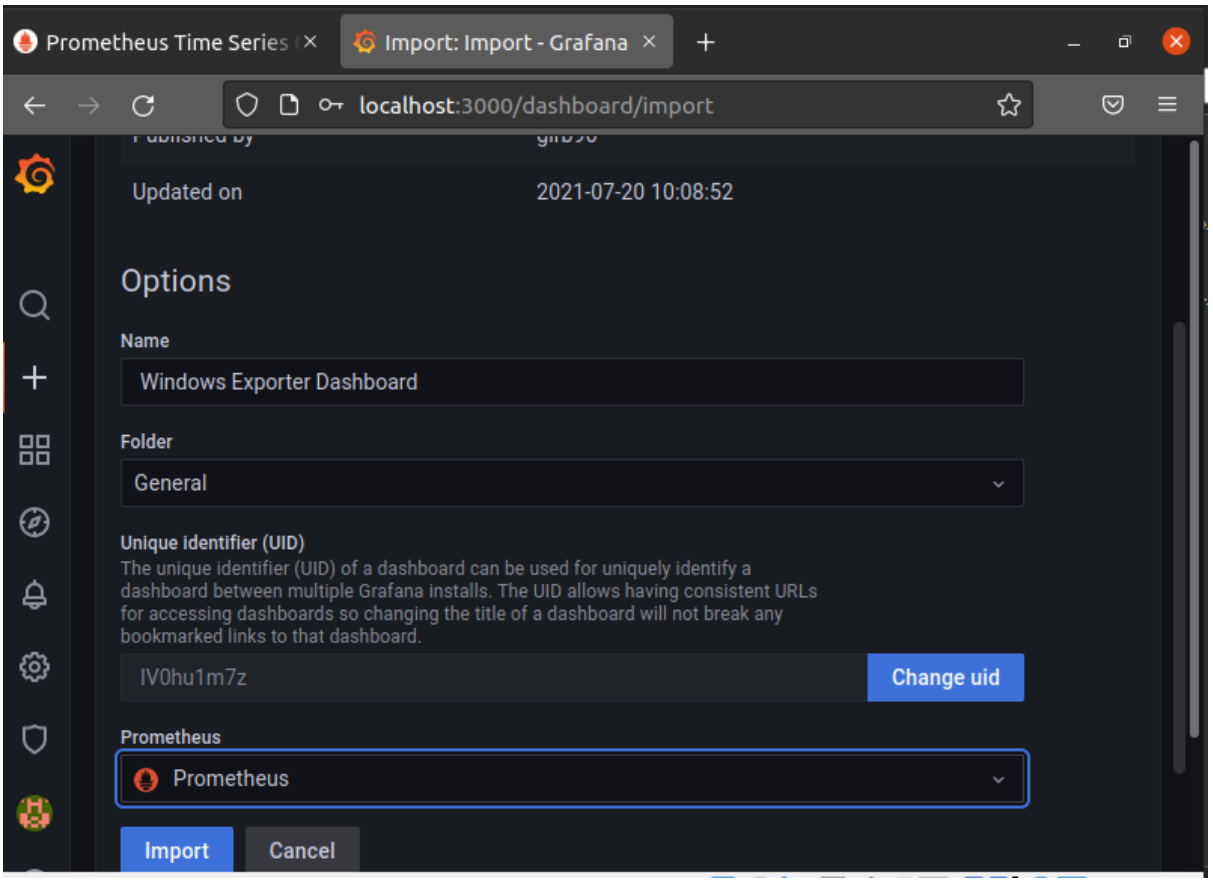
We save it and check the datasource by clicking on **setting -> datasource** as follows;



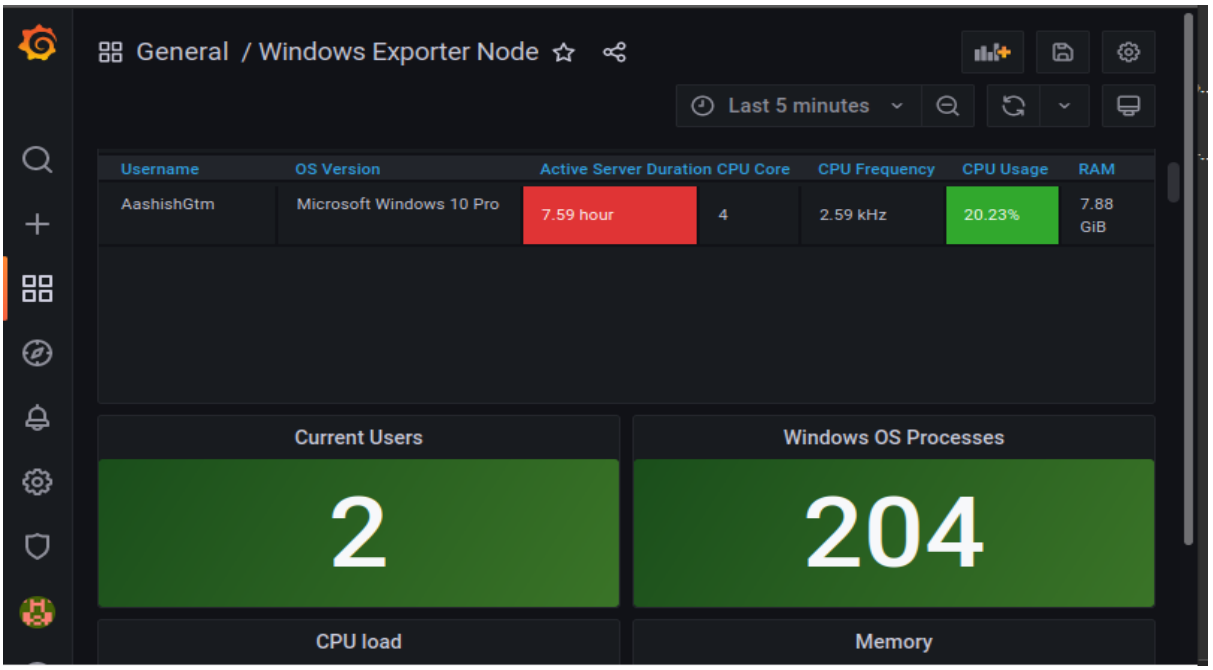
Now, we import the dashboard from https://grafana.com/grafana/dashboards/ for **window_exporter** as follows;



The import id is **14510**, so, we enter the import id and click on load button which will redirect to importing dashboard page as follows;



Next, we check the **window_exporter** node dashboard as follows;



Live metrics dashboard of **window_exporter** node;