Instalación Grafana + Prometheus

Instalación de Grafana

Agregar la clave GPG de Grafana para verificar que estamos descargando los paquetes de fuentes oficiales.

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

```
sergio@sergio-VirtualBox:~$ wget -q -O - https://packages.grafana.com/gpg.key | sudo apt-key add -
OK
```

Añadir los repositorios de Grafana e instalarlo:
echo "deb https://packages.grafana.com/oss/deb stable main" | sudo tee /etc/apt/sources.list.d/grafana.list
sudo apt update
sudo apt install grafana

```
sergio@sergio-VirtualBox:~$ echo "deb https://packages.grafana.com/oss/deb stable main" | sudo tee  /etc/apt/sources.list.d/grafana.list
deb https://packages.grafana.com/oss/deb stable main
```

```
sergio@sergio-VirtualBox:~$ sudo apt update
Obj:1 http://security.ubuntu.com/ubuntu bionic-security InRelease
```

```
sergio@sergio-VirtualBox:~$ sudo apt install grafana
Leyendo lista de paquetes... Hecho
```

Iniciar y habilitar el servicio de Grafana:
sudo systemctl start grafana-server
sudo systemctl enable grafana-server

```
sergio@sergio-VirtualBox:~$ sudo 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 → /usr/lib/systemd/system/grafana-server.service.
```

Instalar Prometheus y Node Exporter

sudo apt install prometheus prometheus-node-exporter

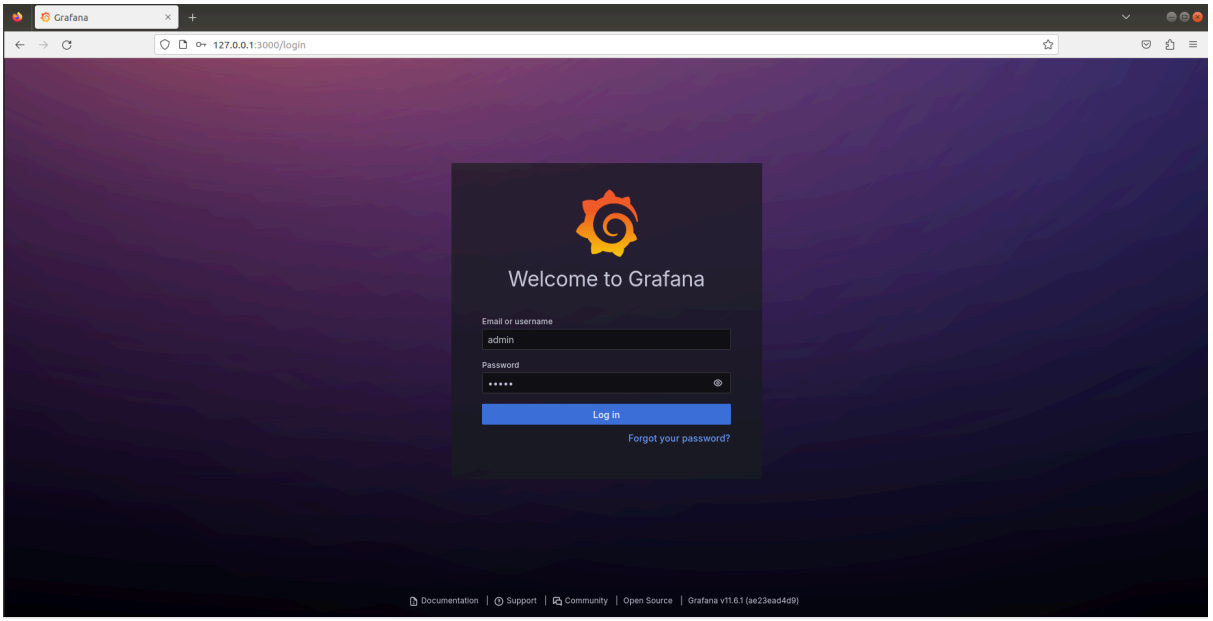
```
sergio@sergio-VirtualBox:~$ sudo apt install prometheus prometheus-node-exporter
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias
Leyendo la información de estado... Hecho
```

Verficar si están funcionando los servicios de Prometheus
sudo systemctl status prometheus
sudo systemctl status prometheus-node-exporter

```
sergio@sergio-VirtualBox:~$ sudo systemctl status prometheus
● prometheus.service - Monitoring system and time series database
   Loaded: loaded (/lib/systemd/system/prometheus.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2025-04-25 11:19:36 CEST; 33s ago
     Docs: https://prometheus.io/docs/introduction/overview/
 Main PID: 9227 (prometheus)
    Tasks: 9 (limit: 4915)
   CGroup: /system.slice/prometheus.service
           └─9227 /usr/bin/prometheus
```

```
sergio@sergio-VirtualBox:~$ sudo systemctl status prometheus-node-exporter
● prometheus-node-exporter.service - Prometheus exporter for machine metrics
     Loaded: loaded (/lib/systemd/system/prometheus-node-exporter.service; enabled; vendor preset: enabled)
     Active: active (running) since Fri 2025-04-25 11:19:35 CEST; 1min 0s ago
       Docs: https://github.com/prometheus/node_exporter
   Main PID: 9135 (prometheus-node)
      Tasks: 6 (limit: 4915)
     CGroup: /system.slice/prometheus-node-exporter.service
             └─9135 /usr/bin/prometheus-node-exporter --collector.diskstats.ignored-devices=^(ram|loop|fd|(h
```

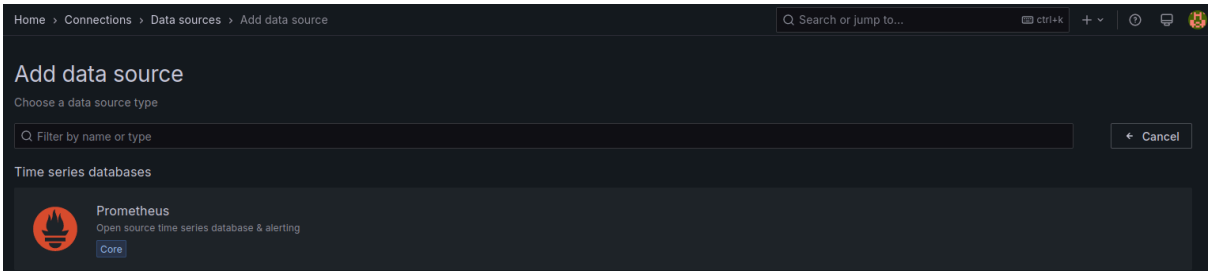
Acceder a Grafana



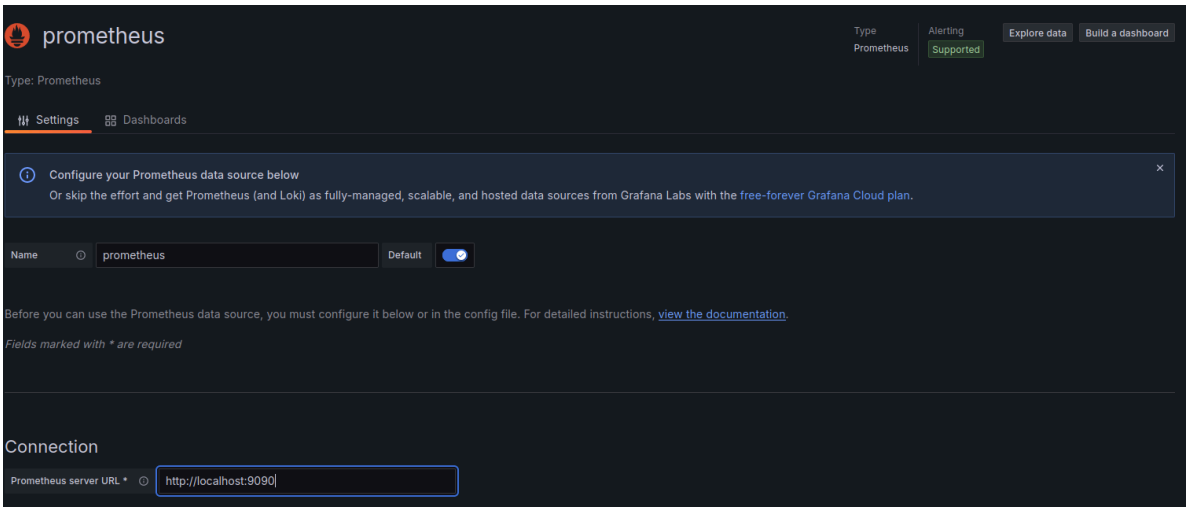
Configurar Prometheus como fuente de datos en Grafana

En la interfaz de Grafana, ir a:

Configuration > Data Sources > Add data source

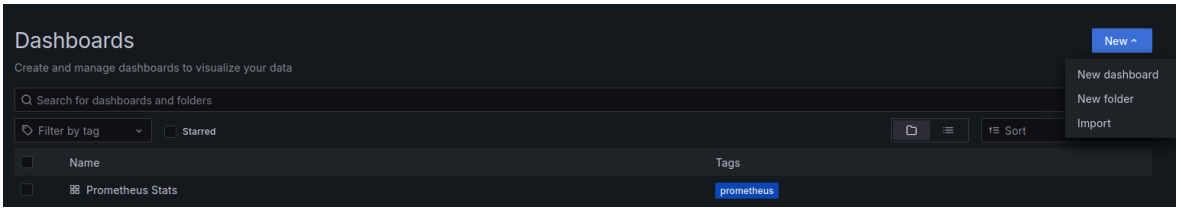


Seleccionar prometheus



URL: http://localhost:9090

Importar un panel de monitoreo



Añadimos el id del dashboard que queremos importar y le damos a *Load*