

# Prometheus

Prometheus est disponible dans les dépôts Debian avec forcément un décalage avec la dernière version.

## Installation via les packets

Actuellement, Prometheus est en version [2.7.1](#).

```
apt install -y prometheus prometheus-node-exporter
```

## Prometheus

### Contrôle du service

```
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 Sat 2020-06-13 18:45:04 CEST; 1min 39s ago

Docs: <https://prometheus.io/docs/introduction/overview/>

Main PID: 2259 (prometheus)

Tasks: 10 (limit: 2330)

Memory: 28.9M

CGroup: /system.slice/prometheus.service

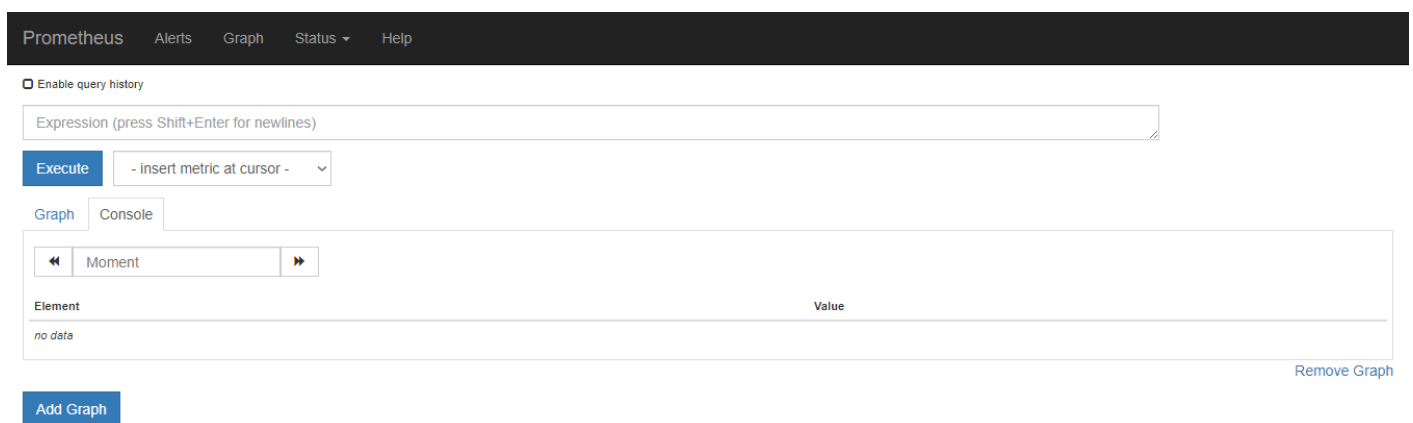
└─2259 /usr/bin/prometheus

```
juin 13 18:45:04 grafana prometheus[2259]: level=info ts=2020-06-13T16:45:04.263785211Z
caller=main.go:302 host_details="(Linux 4.19.0-9-amd64 #1 SMP Debian 4.19.118-2+deb10u1 (2020-06-07)
x86_64 grafana (none))"
juin 13 18:45:04 grafana prometheus[2259]: level=info ts=2020-06-13T16:45:04.26395904Z
caller=main.go:303 fd_limits="(soft=8192, hard=8192)"
juin 13 18:45:04 grafana prometheus[2259]: level=info ts=2020-06-13T16:45:04.264134173Z
caller=main.go:304 vm_limits="(soft=unlimited, hard=unlimited)"
juin 13 18:45:04 grafana prometheus[2259]: level=info ts=2020-06-13T16:45:04.265086335Z
caller=main.go:618 msg="Starting TSDB ..."
juin 13 18:45:04 grafana prometheus[2259]: level=info ts=2020-06-13T16:45:04.265651345Z
```

```
caller=web.go:411 component=web msg="Start listening for connections" address=0.0.0.0:9090
juin 13 18:45:04 grafana prometheus[2259]: level=info ts=2020-06-13T16:45:04.274234991Z
caller=main.go:633 msg="TSDB started"
juin 13 18:45:04 grafana prometheus[2259]: level=info ts=2020-06-13T16:45:04.275447813Z
caller=main.go:693 msg="Loading configuration file" filename=/etc/prometheus/prometheus.yml
juin 13 18:45:04 grafana prometheus[2259]: level=info ts=2020-06-13T16:45:04.276361825Z
caller=main.go:720 msg="Completed loading of configuration file" filename=/etc/prometheus/prometheus.yml
juin 13 18:45:04 grafana prometheus[2259]: level=info ts=2020-06-13T16:45:04.276671785Z
caller=main.go:587 msg="Server is ready to receive web requests."
juin 13 18:45:09 grafana prometheus[2259]: level=error ts=2020-06-13T16:45:09.26766491Z
caller=notifier.go:481 component=notifier alertmanager=http://localhost:9093/api/v1/alerts count=0
msg="Error sending alert" err="Post http://localh
```

## Accès web

http://xx.xx.xx.xx:9090



## Node Exporter

Prometheus n'est rien sans Node Exporter. Car c'est Node Exporter qui collecte les données.

```
vi /etc/prometheus/prometheus.yml
```

De base, le fichier de configuration ce suffit à lui même. J'ai juste rajouté le cas avec un second Node Exporter.

```
scrape_configs:
  - job_name: 'prometheus'

  scrape_interval: 5s
  scrape_timeout: 5s
```

```
static_configs:
  - targets: ['localhost:9090']

- job_name: 'node'
static_configs:
  - targets: ['monserveur:9100','second_serveur:9100']
```

Pour voir si Node Exporter est bien connecter avec Prometheus : aller dans dans Status > Targets

Prometheus Alerts Graph Status ▾ Help

## Targets

All Unhealthy

node (1/1 up) show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://localhost:9100/metrics	UP	instance="localhost:9100" job="node"	4.43s ago	222.6ms	

prometheus (1/1 up) show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://localhost:9090/metrics	UP	instance="localhost:9090" job="prometheus"	603ms ago	4.267ms	

## Prometheus comme source pour Grafana

Configuration  
Organization: Main Org.

Data Sources

Users

Teams

Plugins

Preferences

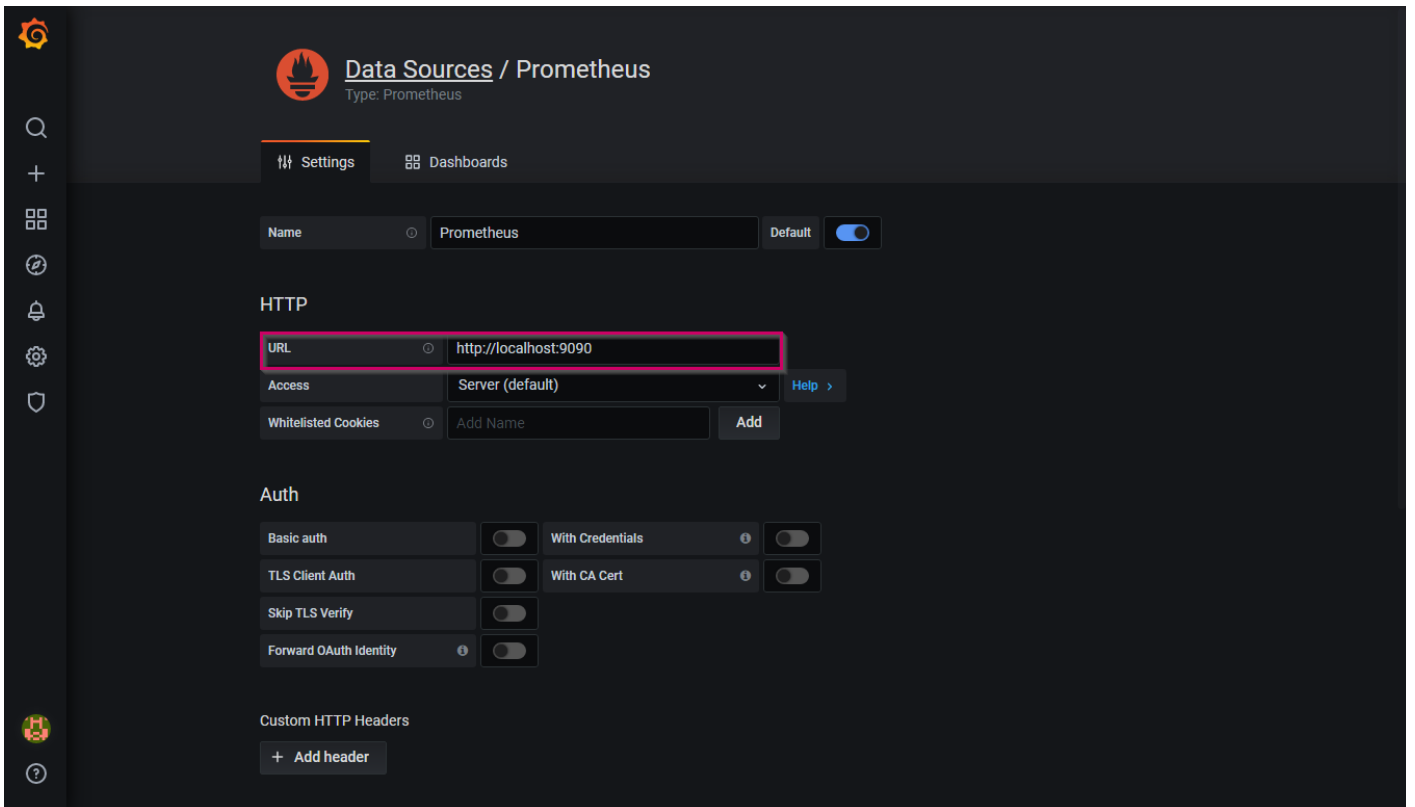
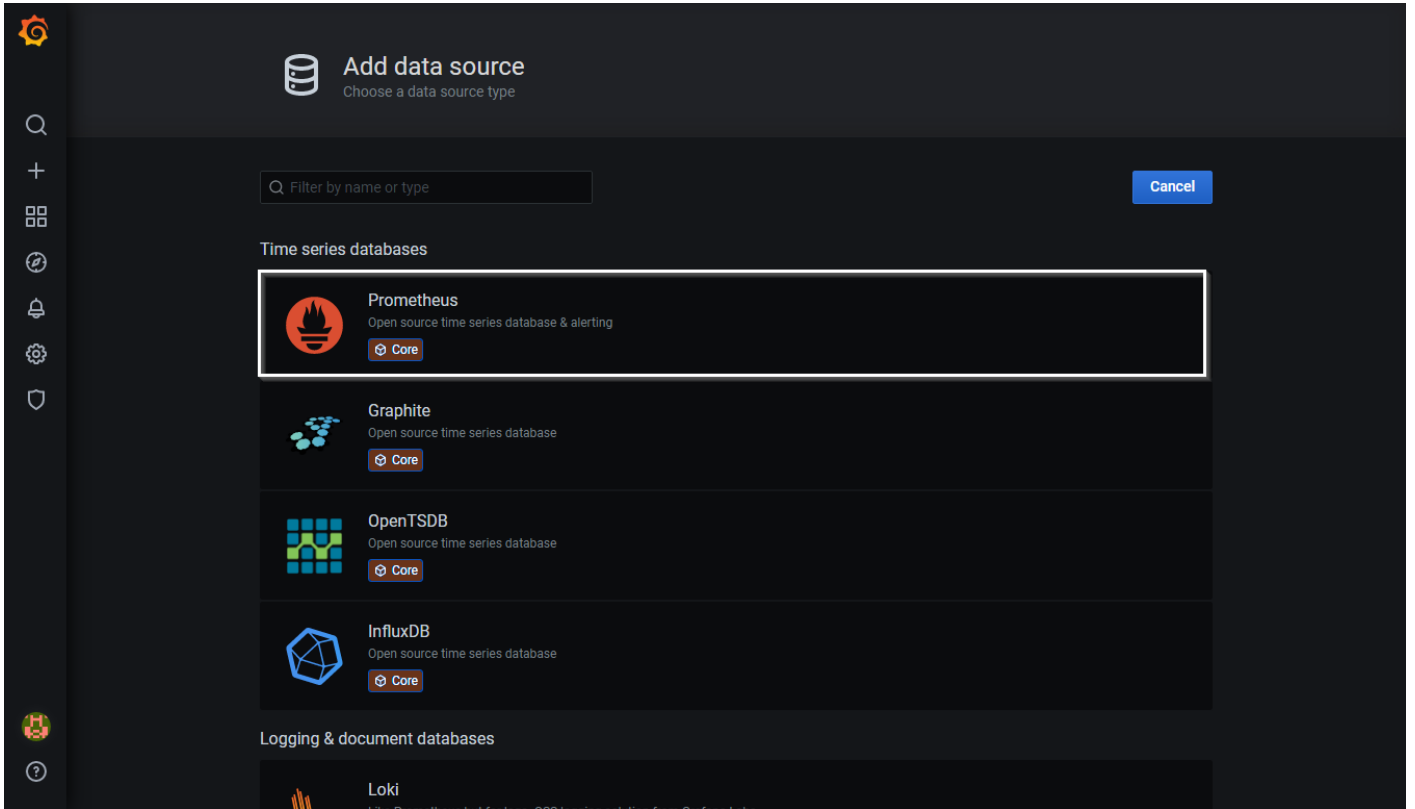
API Keys

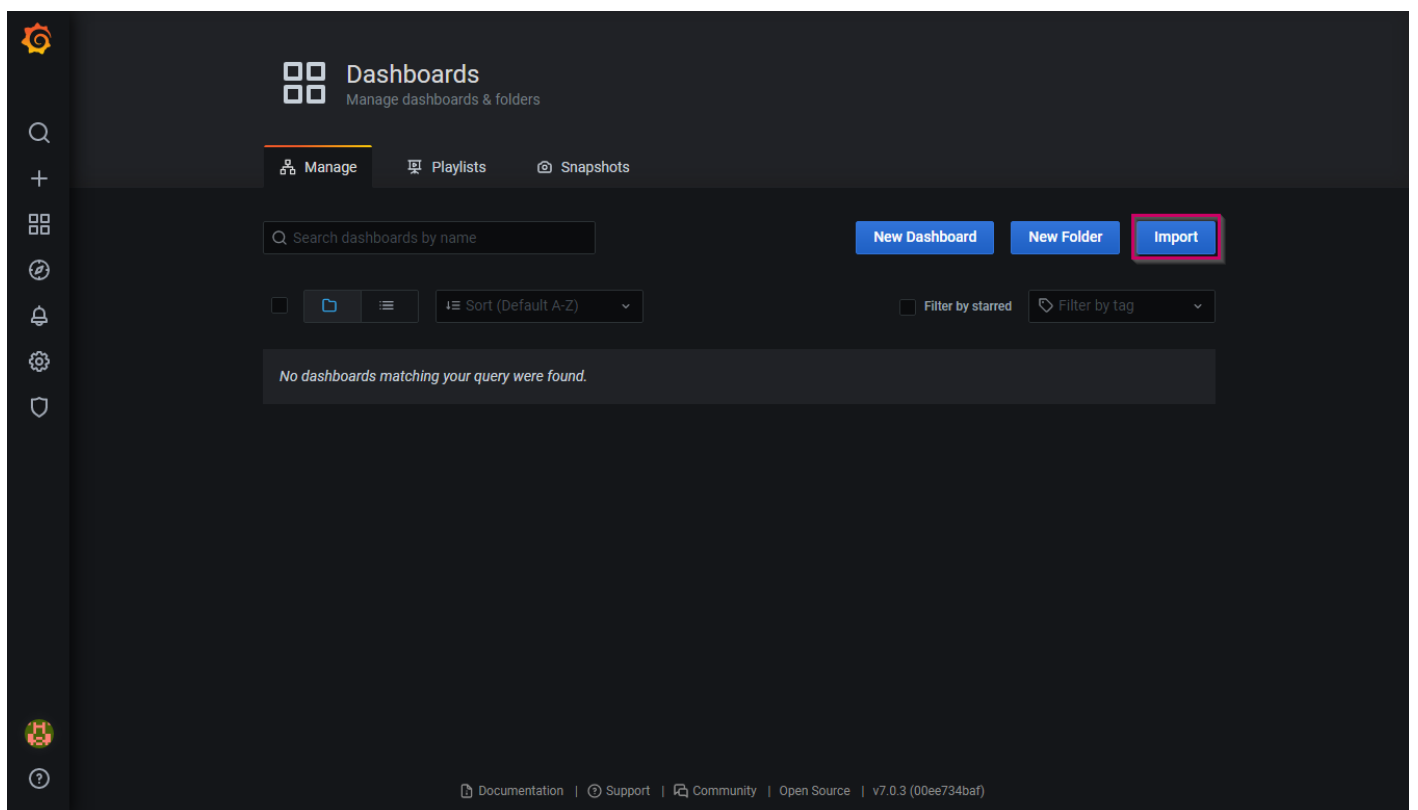
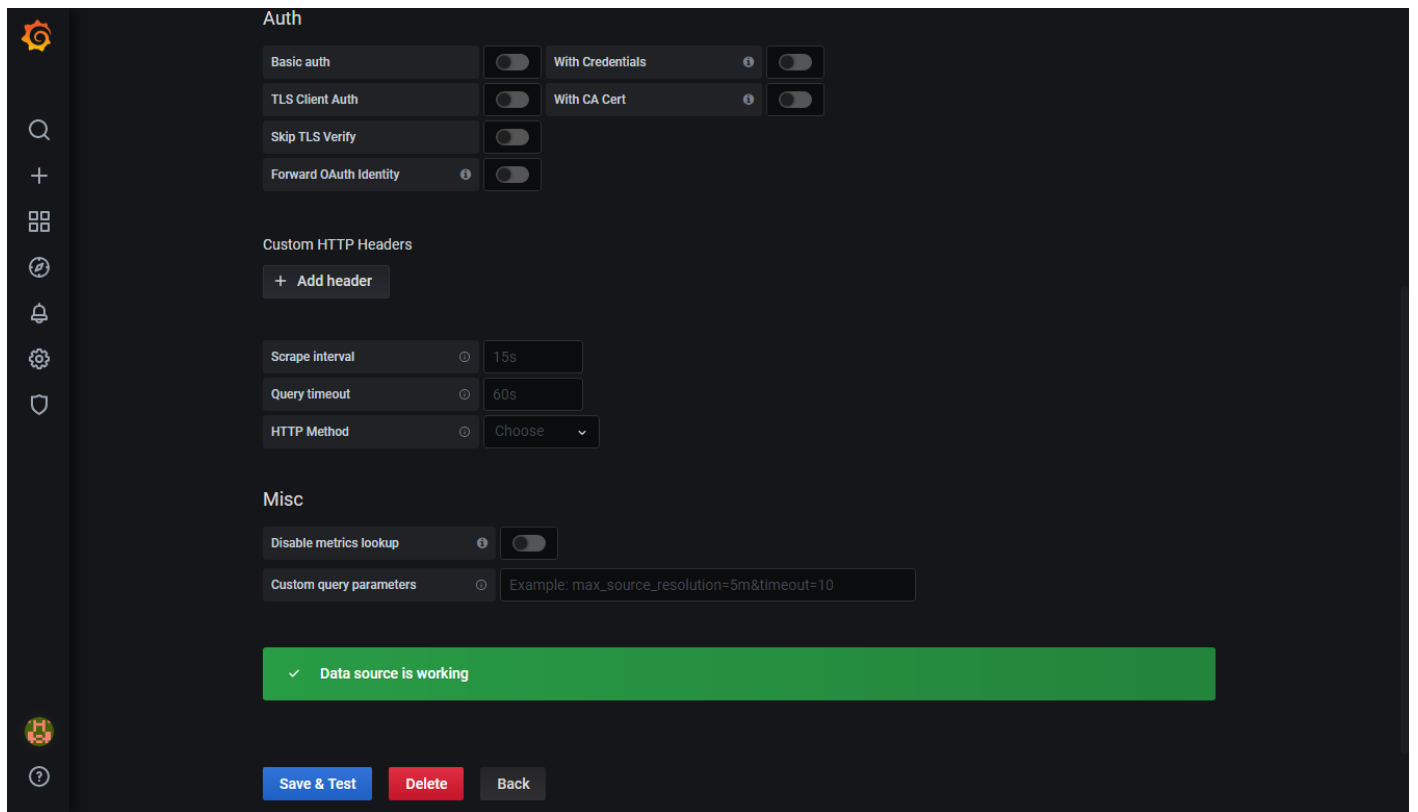
There are no data sources defined yet

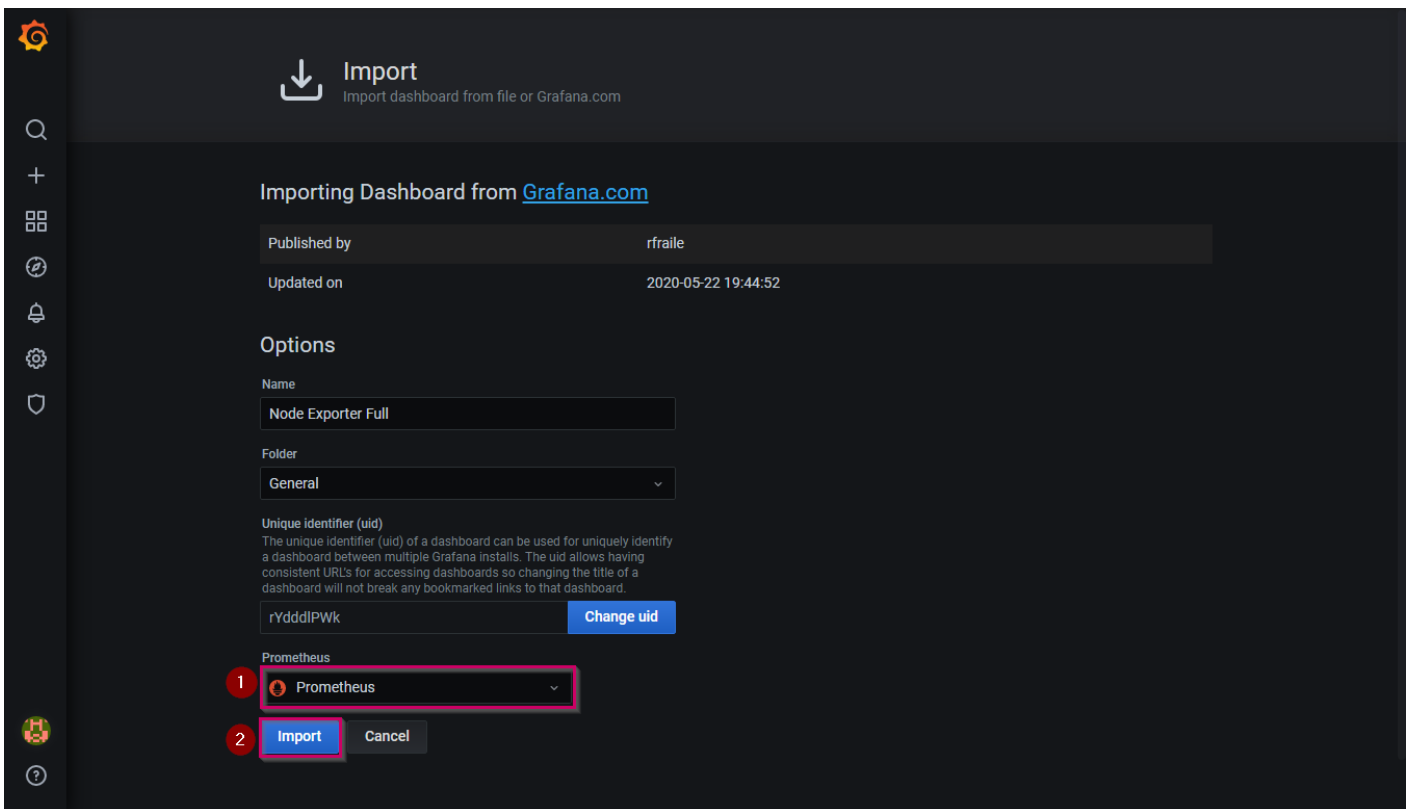
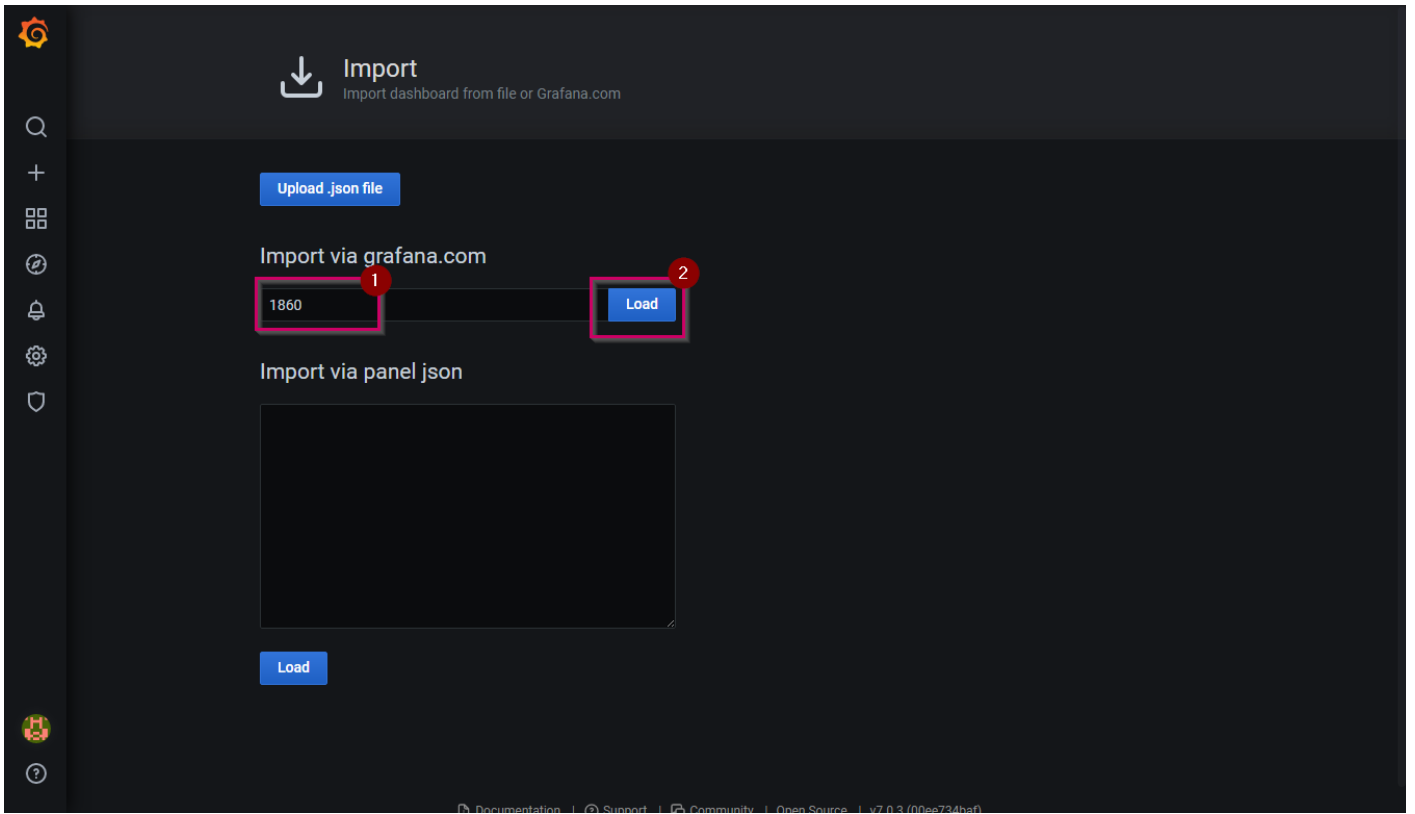
Add data source

ProTip: You can also define data sources through configuration files. [Learn more](#)

Documentation | Support | Community | Open Source | v7.0.3 (00ee734baf)









# Installation via les binaires pré-compilés

Pour être certains d'avoir la version la plus récente, on va passer par le dépôt GIT

## Pré-requis

```
apt install -y wget curl
```

```
groupadd --system prometheus
useradd -s /sbin/nologin --system -g prometheus prometheus
mkdir /var/lib/prometheus
```

## Téléchargement et installation

```
mkdir -p /tmp/prometheus && cd /tmp/prometheus
curl -s https://api.github.com/repos/prometheus/prometheus/releases/latest | grep browser_download_url | grep
linux-amd64 | cut -d '"' -f 4 | wget -qi -
tar xvf prometheus*.tar.gz
# cd prometheus*/
# mv prometheus promtool /usr/local/bin/
```

Contrôle que Prometheus est bien installer et savoir sa version

```
# prometheus --version
```

```
prometheus, version 2.19.0 (branch: HEAD, revision: 5d7e3e970602c755855340cb190a972cebdd2ebf)
```

```
build user:    root@d4cf5c7e268d
```

```
build date:    20200609-10:29:59
```

```
go version:    go1.14.4
```

```
# promtool --version
```

```
promtool, version 2.19.0 (branch: HEAD, revision: 5d7e3e970602c755855340cb190a972cebdd2ebf)
```

```
build user:    root@d4cf5c7e268d
```

```
build date:    20200609-10:29:59
```

```
go version:    go1.14.4
```

---

Revision #3

Created 13 June 2020 16:19:11 by Nidouille

Updated 19 August 2020 18:28:08 by Nidouille