

Installer un serveur Prometheus et Grafana

Prometheus :

Installation des paquets nécessaires :

```
apt-get install prometheus curl
```

```
nano /etc/prometheus/prometheus.yml
```

```
scrape_configs:
  # The job name is added as a label `job=<job_name>` to any timeseries scraped from this config.
  - job_name: 'prometheus'

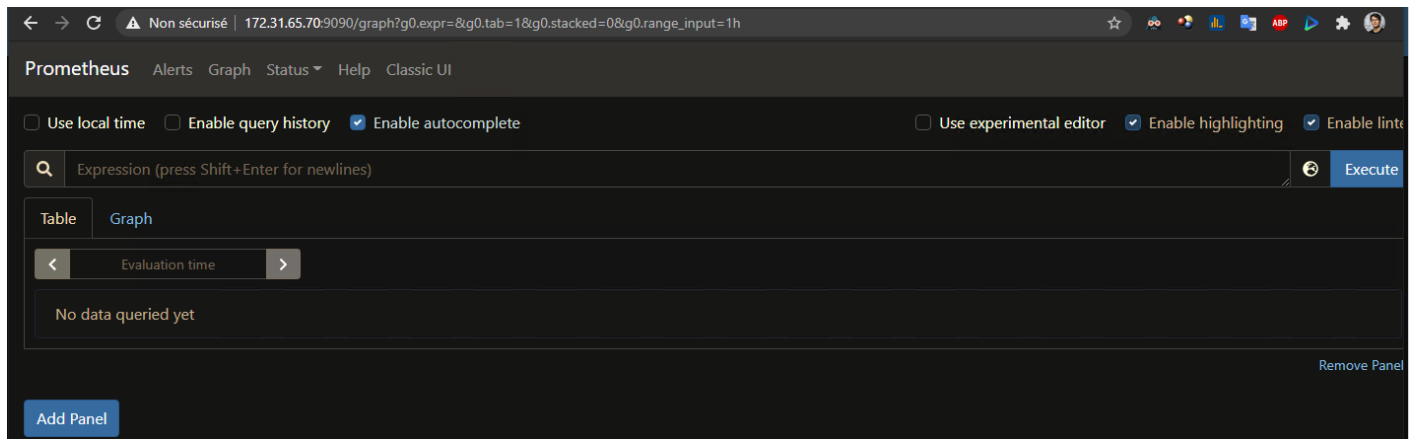
    # Override the global default and scrape targets from this job every 5 seconds.
    scrape_interval: 5s
    scrape_timeout: 5s

    # metrics_path defaults to '/metrics'
    # scheme defaults to 'http'.

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

  - job_name: node
    # If prometheus-node-exporter is installed, grab stats about the local
    # machine by default.
    static_configs:
      - targets: ['172.31.65.70:9090', '172.31.64.10:9182', '172.31.64.30:9182']
```

On se rend sur le site web <http://172.31.65.70:9090/graph> :



Dans Status--> Targets

Targets

All Unhealthy

node (8/8 up) [show less](#)

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://172.31.64.10:9182/metrics	UP	instance="172.31.64.10:9182" job="node"	1.728s ago	368.8ms	
http://172.31.64.30:9182/metrics	UP	instance="172.31.64.30:9182" job="node"	5.315s ago	441.4ms	
http://172.31.64.40:9100/metrics	UP	instance="172.31.64.40:9100" job="node"	10.567s ago	27.38ms	
http://172.31.64.60:9100/metrics	UP	instance="172.31.64.60:9100" job="node"	4.694s ago	25.39ms	
http://172.31.65.10:9100/metrics	UP	instance="172.31.65.10:9100" job="node"	2.728s ago	25.45ms	
http://172.31.65.20:9100/metrics	UP	instance="172.31.65.20:9100" job="node"	7.521s ago	26.61ms	
http://172.31.65.50:9100/metrics	UP	instance="172.31.65.50:9100" job="node"	10.34s ago	28.62ms	
http://172.31.65.70:9090/metrics	UP	instance="172.31.65.70:9090" job="node"	1.703s ago	14.78ms	

Pour installer un agent node_exporter (pour linux) :

<https://scripts.nehemiebarkia.fr/BASH/Installations/node-exporter.sh>

Url de metrics :

<http://ip:9100/metrics>

Ou installation un agent windows exporter (pour Windows) :

Scripte automatique :

<https://scripts.nehemiebarkia.fr/POWERSHELL/windows-exporter.ps1>

Url de metrics :

<http://ip:9182/metrics>

Grafana :

Installation des paquets nécessaires :

```
apt-get install gnupg gnupg2 gnupg1
```

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

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

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

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

```
apt-get update
```

```
apt-get install grafana
```

```
service grafana-server start
```

Fichier de configuration `/etc/grafana/grafana.ini`

On se rend sur le site web <http://172.31.65.70:3000> :



Welcome to Grafana

Your single pane of glass

Email or username

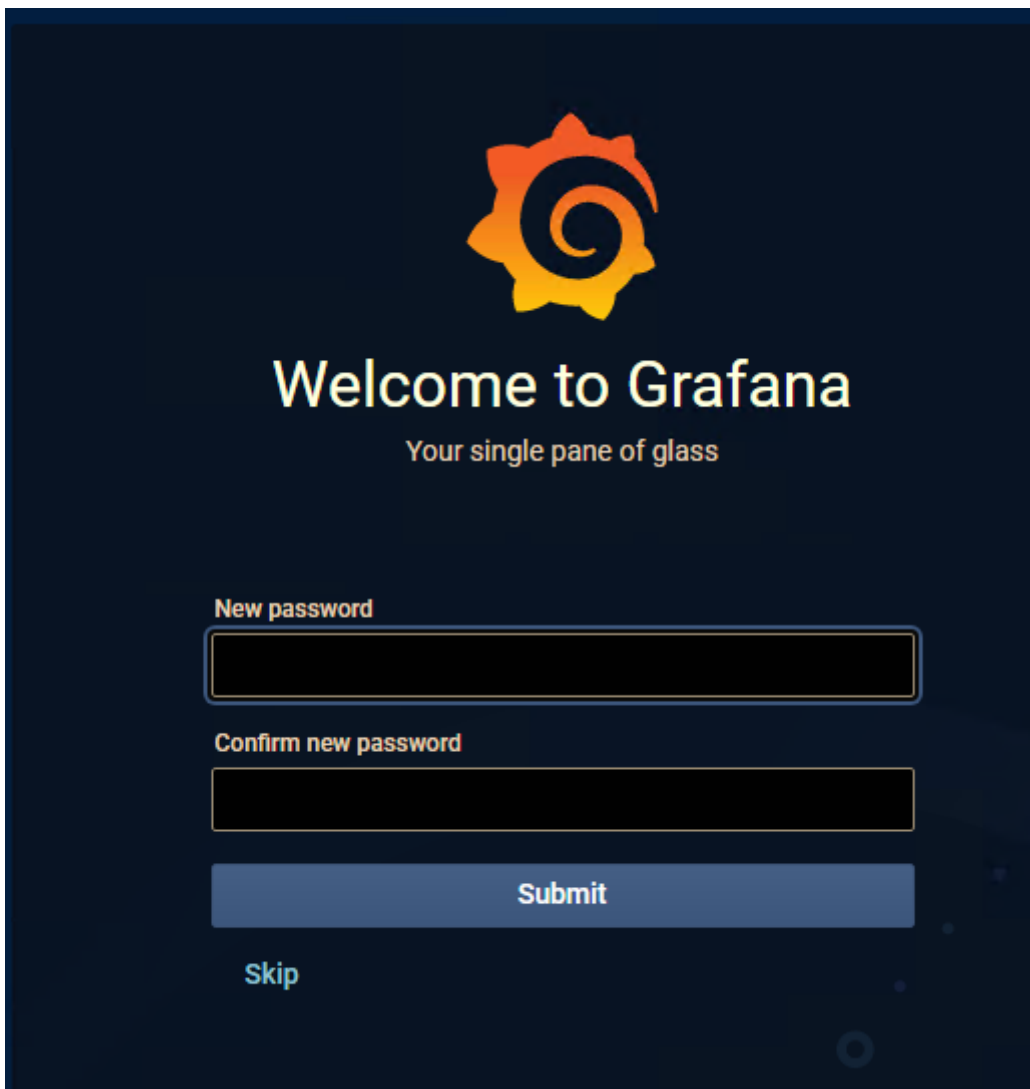
Password

Log in

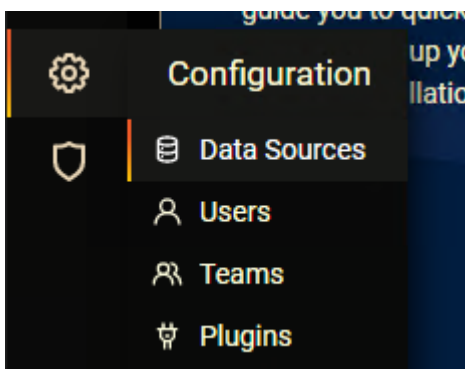
[Forgot your password?](#)

Identifiants et mot de passe par défaut : **admin**

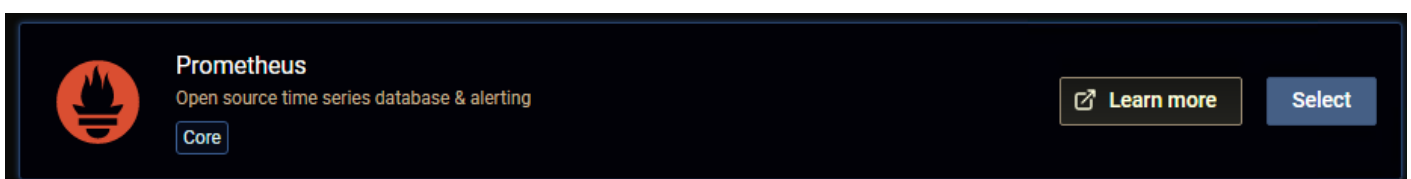
Vous pouvez choisir de conserver ou de modifier le mot de passe admin :



Puis, on ajoute une source de données :



On nous propose d'ajouter Prometheus comme source de données :



On entre les informations ci-dessous puis on sauvegarde :



Data Sources / Prometheus

Type: Prometheus

⚙ Settings

📊 Dashboards

Name ⓘ

Prometheus

Default

☒

HTTP

URL ⓘ

http://172.31.65.70:9090

Access

Server (default) ▾

Help >

Whitelisted Cookies ⓘ

New tag (enter key to add

Add

Puis, on se rend sur Grafana et on import un dashboard :



Import

Import dashboard from file or Grafana.com

 Upload JSON file

Import via grafana.com

Load

Import via panel json

Load

Puis on précise les informations comme ci-dessous :

Importing Dashboard from Grafana.com

Published by

rfraile

Updated on

2021-02-16 02:42:32

Options

Name

Node Exporter Full

Folder

General

Unique identifier (uid)

The unique identifier (uid) of a dashboard can be used for uniquely identify a dashboard between multiple Grafana installs. The uid allows having consistent URL's 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

Revision #52

Created 10 April 2021 22:29:06 by Nehemie

Updated 26 December 2022 13:42:27 by Nehemie