Módulo de Herramientas de monitoreo

Práctico 1

Instalación de influxdb

Ingresamos a https://www.influxdata.com/get-influxdb/ y bajamos la version la última version


```
> wget https://dl.influxdata.com/influxdb/releases/influxdb-1.7.6_linux_amd64.tar.gz
```

Descomprimimos

```
tar xvf influxdb-1.7.6_linux_amd64.tar.gz
```

Levantamos el servicio de la base

```
> cd influxdb-1.7.6-1/usr/bin
> ./influxd
```

Levantamos la CLI para consultas

```
> ./influx
```

Revisamos que tenga bases instaladas… debería tener la ***_internal***

```
> show databases
name: databases
name
----
_internal
```

Salimos con

```
> quit
```

Instalación de telegraf

Vamos a https://portal.influxdata.com/downloads/

Descargar

```
wget https://dl.influxdata.com/telegraf/releases/telegraf-1.10.3_linux_amd64.tar.gz
```

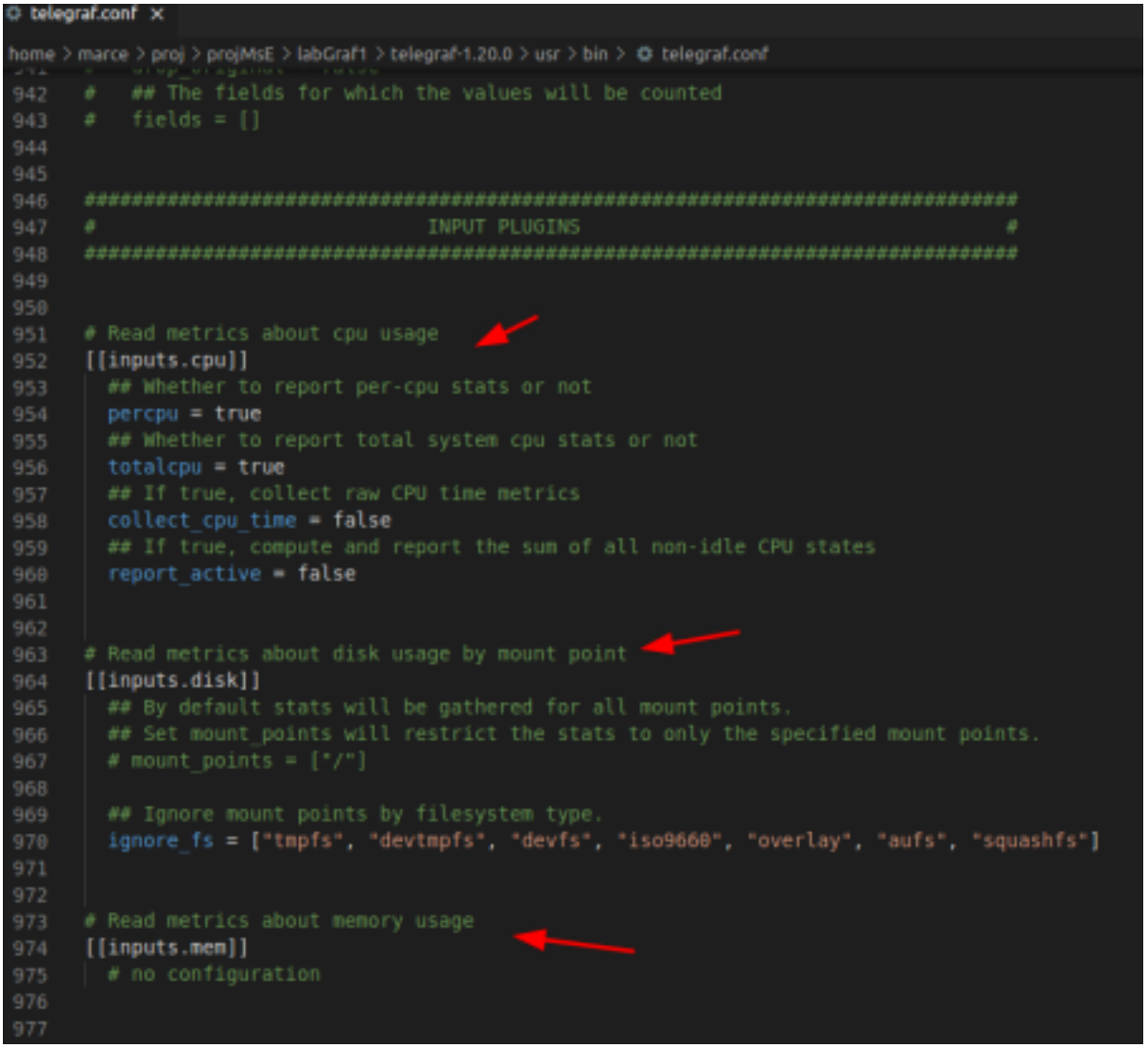
Descomprimir

```
tar xf telegraf-1.10.3_linux_amd64.tar.gz
```

Lo configuramos eligiendo algunas metricas a capturar

```
> cd telegraf-1.20.0/usr/bin
> telegraf -sample-config -input-filter cpu:mem:disk -output-filter influxdb > telegraf.conf
```

Chequeamos el archivo de configuracion en especial al final



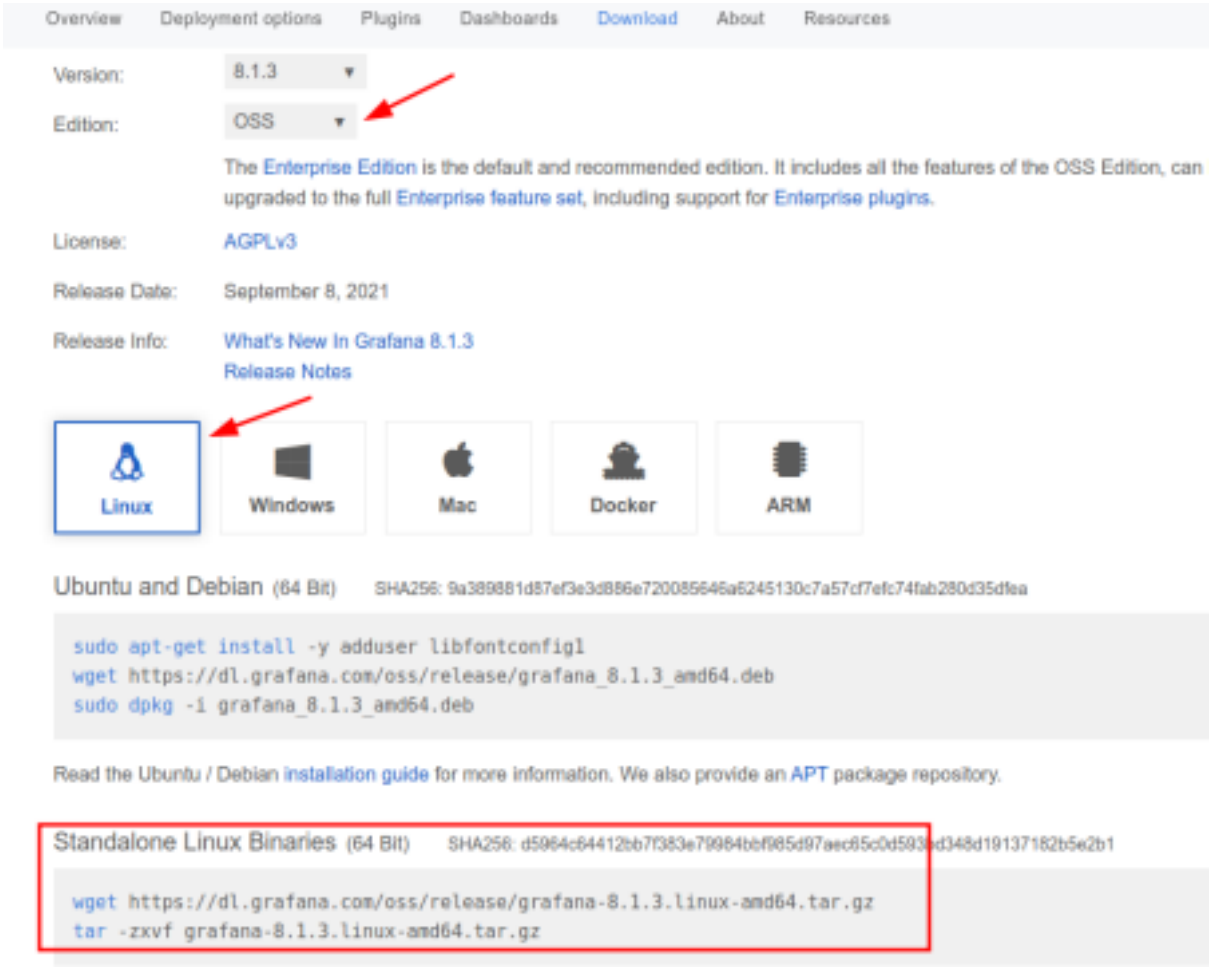
Arrancar el agente de telegraf

```
> ./telegraf --config telegraf.conf
```

2021-09-08T00:49:09Z I! Starting Telegraf 1.10.3
2021-09-08T00:49:09Z I! Loaded inputs: mem cpu disk
2021-09-08T00:49:09Z I! Loaded aggregators:
2021-09-08T00:49:09Z I! Loaded processors:
2021-09-08T00:49:09Z I! Loaded outputs: influxdb
2021-09-08T00:49:09Z I! Tags enabled: host=dark02
2021-09-08T00:49:09Z I! [agent] Config: Interval:10s, Quiet:false, Hostname:"dark02", Flush Interval:10s

Instalar Grafana

Vamos a https://grafana.com/grafana/download y elegimos la version OS



Descargar

```
> wget https://dl.grafana.com/oss/release/grafana-6.1.4.linux-amd64.tar.gz
```

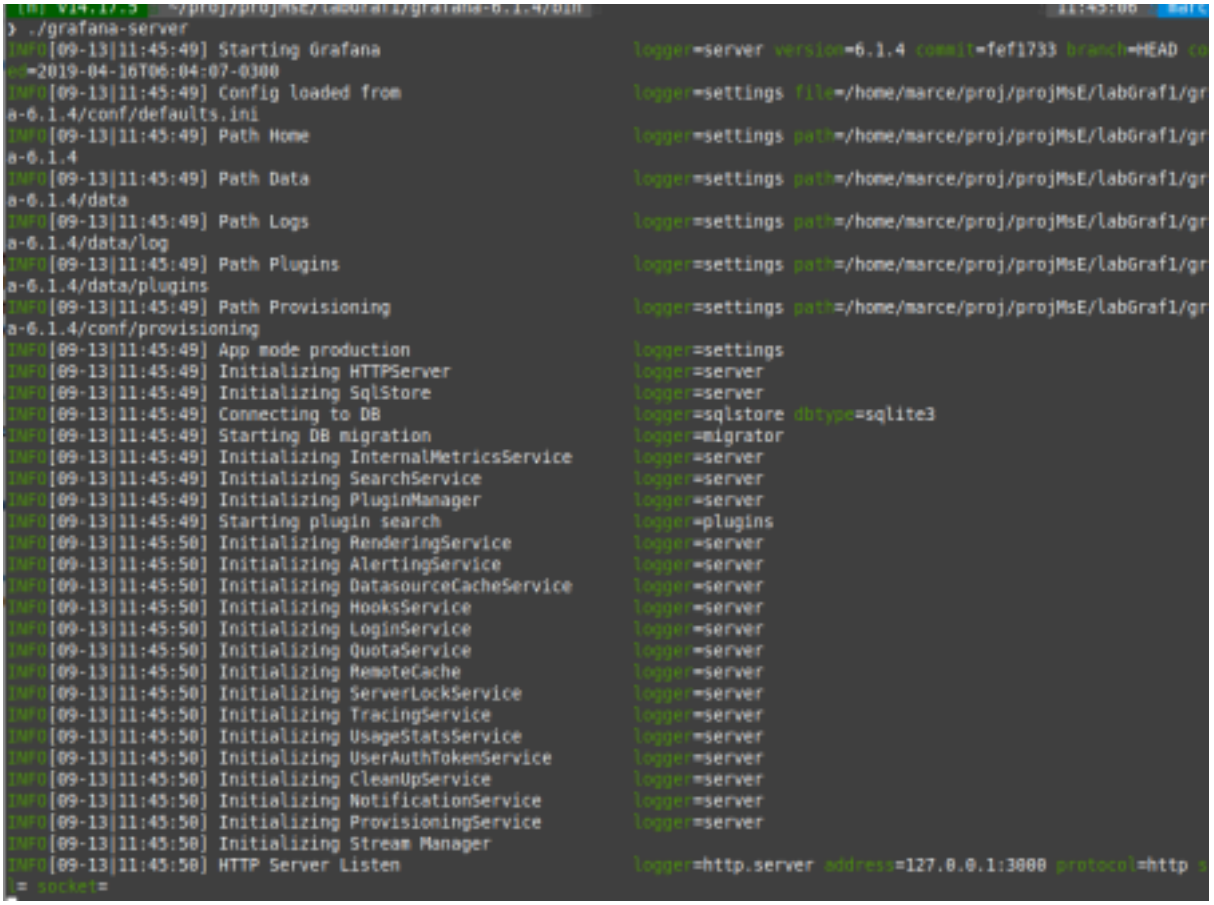
Descomprimir

```
> tar -zxvf grafana-6.1.4.linux-amd64.tar.gz
```

Arrancamos el servicio

```
> cd grafana-6.1.4/bin
```

```
> ./grafana-server
```



Verificamos q ya este la base de telegraf creada

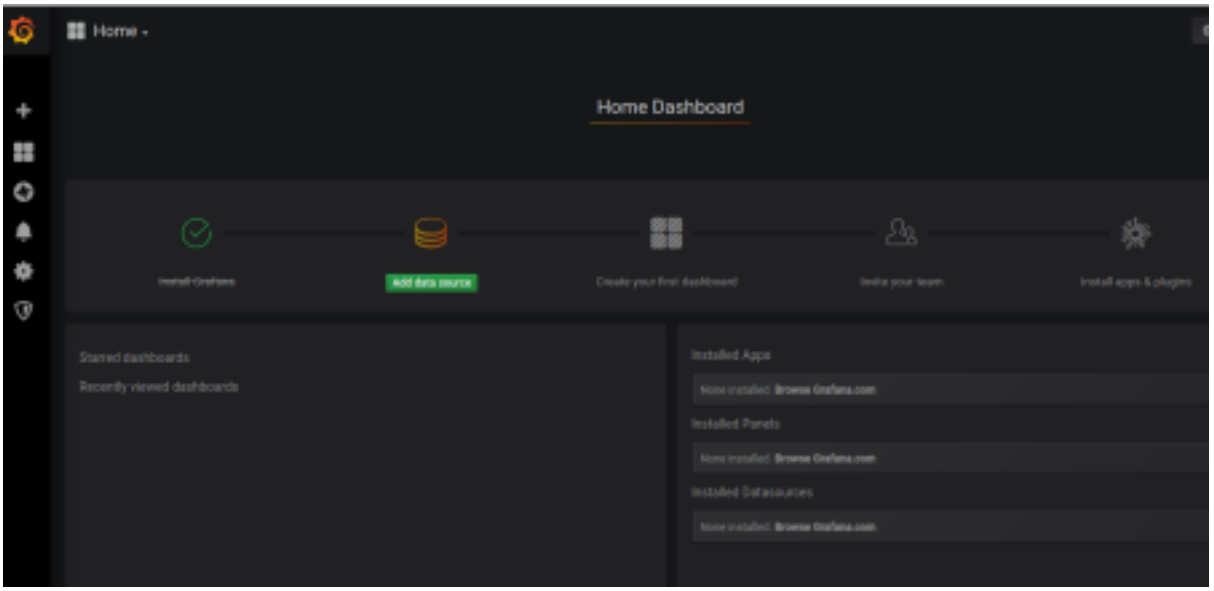
```
❯ ./influx

> show databases
name: databases
name
----
_internal
telegraf

> use telegraf
Using database telegraf

> show measurements
name: measurements
name
----
cpu
disk
mem

> select * from cpu

1631062590000000000 cpu6 dark02 0 0 84.61538461538461 0.10256410256430079 0 0 0 0
3.179487179481956 12.102564102567088
1631062590000000000 cpu7 dark02 0 0 81.14169215109932 0.10193679918472681 0 0 0 0
3.2619775739205292 15.494393476015896

> quit
```

Y

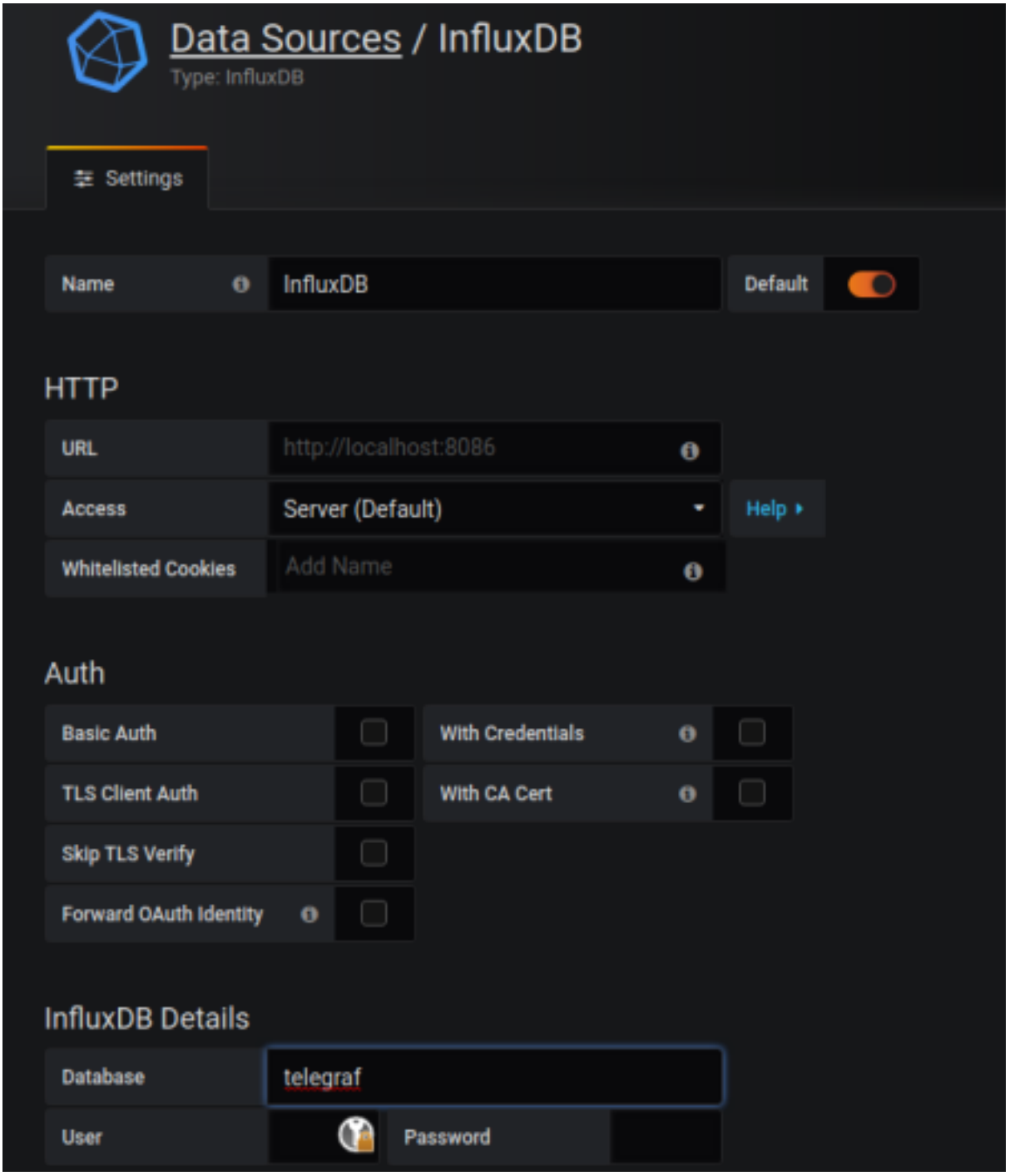
a tenemos la base de datos para almacenar la info, el agente que sacara las mediciones y solo nos falta configurar el tablero de monitoreo, osea Grafana

Vamos a localhost:3000 con **admin:admin**, luego nos pedirá cambio de password

y accedemos al panel inicial

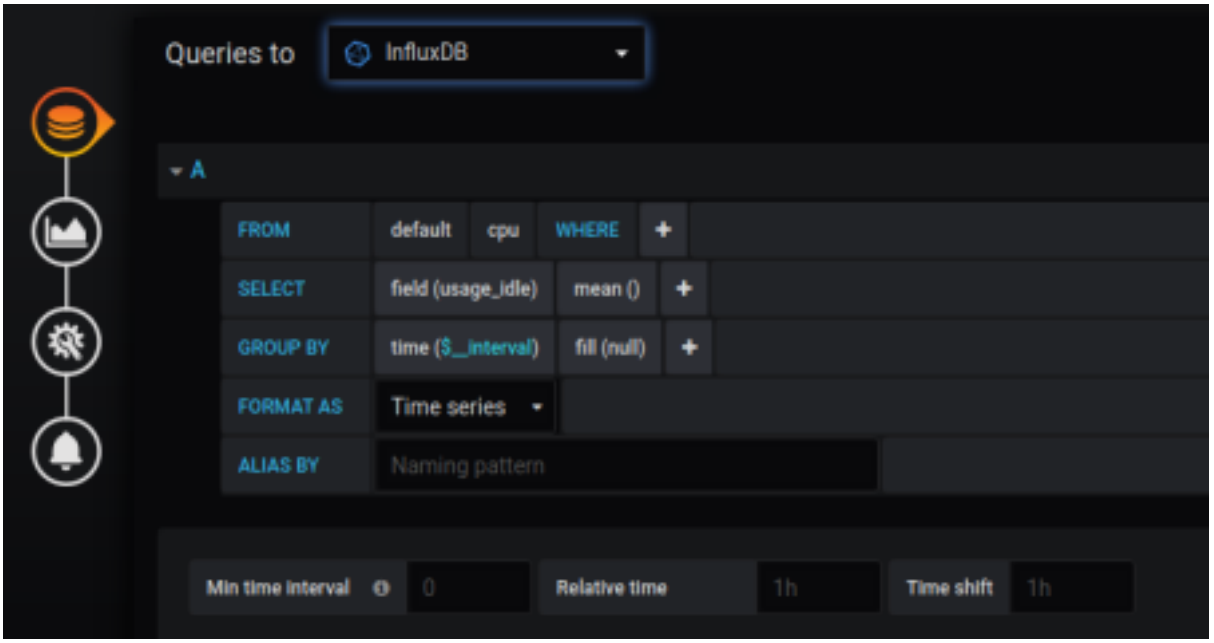


Agregamos el datasource correcto InfluxDB y sus valores

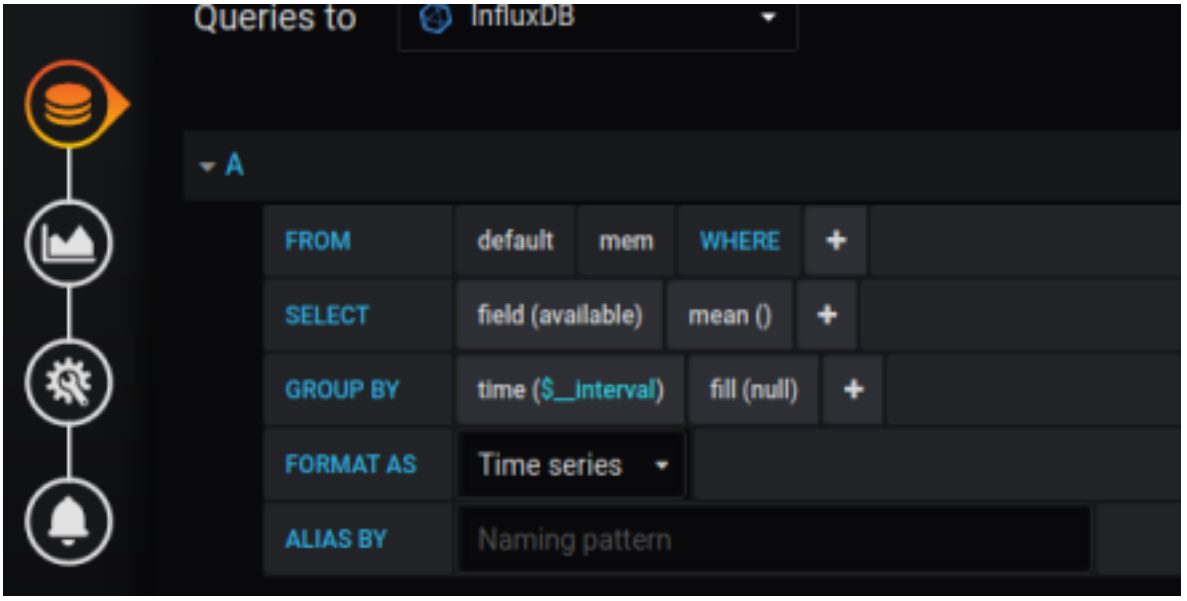


Luego vamos a crear un nuevo panel

Parametros de CPU



Parametros de memoria



Y vemos nuestro dashboard ya creado