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

cessing and monitoring agent. All this makes deployment and setup a breeze and easier to secure.
APIs, tools, and an ecosystem that includes 10 client and server libraries, Telegraf plugins, visualization integrations with Grafana, Google Datas with Google Bigtable, BigQuery, and more.
Platform
Linux Binaries (64-bit)
fc437abac6c8933fbd56d6c4589372119823caf58
influxdb/releases/influxdb2-2.2.0-linux-amd64.tar.gz amd64.tar.gz

> 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/

	ent for collecting and sending metrics and events from databases, systems, and IoT sensors. Telegraf is written in Go and compiles into a sings, and requires a very minimal memory footprint.
,	subject matter experts on the data in the community, it is easy to start collecting metrics from your endpoints.
Version	Platform
Telegraf v1.22.4 ✓	Linux Binaries (64-bit)
wget https://dl.influxdata.com/ tar xf telegraf-1.22.4_linux_am	34c87e98b215582d710b67933e16bc27d4ab41cde telegraf/releases/telegraf-1.22.4_linux_amd64.tar.gz d64.tar.gz
wget https://dl.influxdata.com/	telegraf/releases/telegraf-1.22.4_linux_amd64.tar.gz
wget https://dl.influxdata.com/ tar xf telegraf-1.22.4_linux_am Documentation Release Notes	telegraf/releases/telegraf-1.22.4_linux_amd64.tar.gz
wget https://dl.influxdata.com/ tar xf telegraf-1.22.4_linux_am Documentation Release Notes PSCARGAL	telegraf/releases/telegraf-1.22.4_linux_amd64.tar.gz
wget https://dl.influxdata.com/ tar xf telegraf-1.22.4_linux_am Documentation Release Notes PSCARGAL	telegraf/releases/telegraf-1.22.4_linux_amd64.tar.gz d64.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

```
belograf.comf x
home > proj > proj > projMsE > labGraft > telegraft.20.0 > usr > bin > O telegraf.comf

# # The fields for which the values will be counted

# fields = []

# # TIMPUT PLUGINS

# # IMPUT PLUGINS

# # whether to report per-cpu stats or not

# # whether to report total system cpu stats or not

totalcpu = true

## if true, collect raw CPU time metrics

collect_cpu_time = false

## if true, compute and report the sum of all non-idle CPU states

report_active = false

# Read metrics about disk usage by mount point

[[inputs.disk]]

# Read metrics about disk usage by mount points.

# # Set mount_points will restrict the stats to only the specified mount points.

# Set mount_points = [*/*]

# Read metrics about memory usage

[[inputs.disk]]

# Read metrics about memory usage

# Ignore_fs = [*tmpfs*, "devtmpfs*, "devfs*, "iso9660*, "overlay*, "aufs*, "squashfs*]

# Read metrics about memory usage

[[inputs.men]]

# no configuration
```

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:

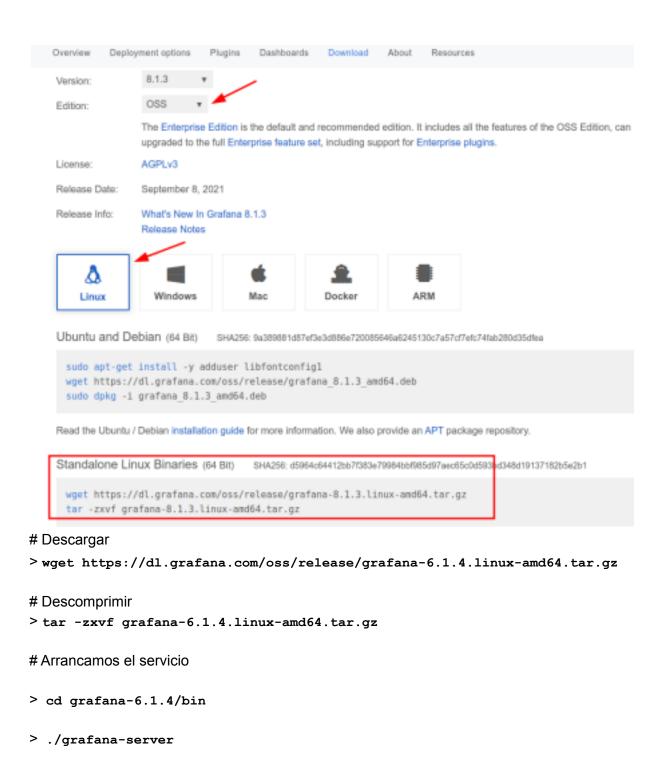
2021-09-08T00:49:09Z I! Loaded outputs: influxdb

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



```
[09-13|11:45:49] Starting Grafana
                                                                                                                                                                                                                                                                 -server
2019-04-16T06:04:07-0300
   [09-13|11:45:49] Config loaded from
1.4/conf/defaults.ini
                                                                                                                                                                                                                                                                                                                       =/home/marce/proj/projMsE/labGraf1/g
     [09-13|11:45:49] Path Home
                                                                                                                                                                                                                                                                                                                       =/home/marce/proj/projMsE/labGraf1/gr
                                                                                                                                                                                                                                                                =settings par
    [09-13|11:45:49] Path Data
                                                                                                                                                                                                                                                                =settings pat
                                                                                                                                                                                                                                                                                                                     h=/home/marce/proj/projMsE/labGraf1/gr
     [09-13|11:45:49] Path Logs
                                                                                                                                                                                                                                                                =settings pat
                                                                                                                                                                                                                                                                                                                      h=/home/marce/proj/projMsE/labGraf1/gr
     [09-13|11:45:49] Path Plugins
                                                                                                                                                                                                                                                                                                                     h=/home/marce/proj/projMsE/labGraf1/gr
   1.4/data/plugins
[09-13|11:45:49] Path Provisioning
.1.4/data/plugins
| [09-13]11:45:49| Path Provisioning
| [1.4/conf/provisioning
| [09-13]11:45:49| App mode production
| [09-13]11:45:49| Initializing HTTPServer
| [09-13]11:45:49| Initializing SqlStore
| [09-13]11:45:49| Initializing Bullist Bul
                                                                                                                                                                                                                                                                                                                     h=/home/marce/proj/projMsE/labGraf1/gr
                                                                                                                                                                                                                                                               r=settings pat
                                                                                                                                                                                                                                                                =settings
                                                                                                                                                                                                                                                                =server
                                                                                                                                                                                                                                                                                                                              =sqlite3
                                                                                                                                                                                                                                                                =migrator
                                                                                                                                                                                                                                                               =server
=plugins
                                                                                                                                                                                                                                                                -server
                                                                                                                                                                                                                                                                -server
                                                                                                                                                                                                                                                                -server
                                                                                                                                                                                                                                                                =server
                                                                                                                                                                                                                                                                =server
                                                                                                                                                                                                                                                                  =server
                                                                                                                                                                                                                                                                =http.server
                                                                                                                                                                                                                                                                                                                                              s=127.0.0.1:3000 proto
```

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 163106259000000000 cpu7 dark02 0 0 81.14169215109932 0.10193679918472681 0 0 0 0 3.2619775739205292 15.494393476015896

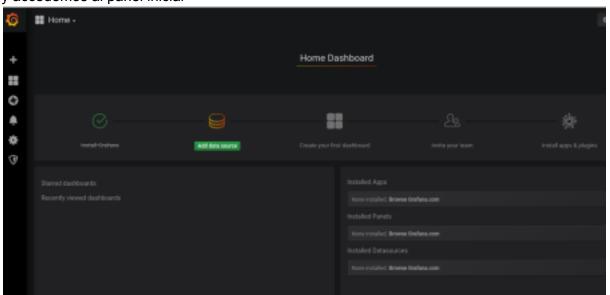
> quit

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

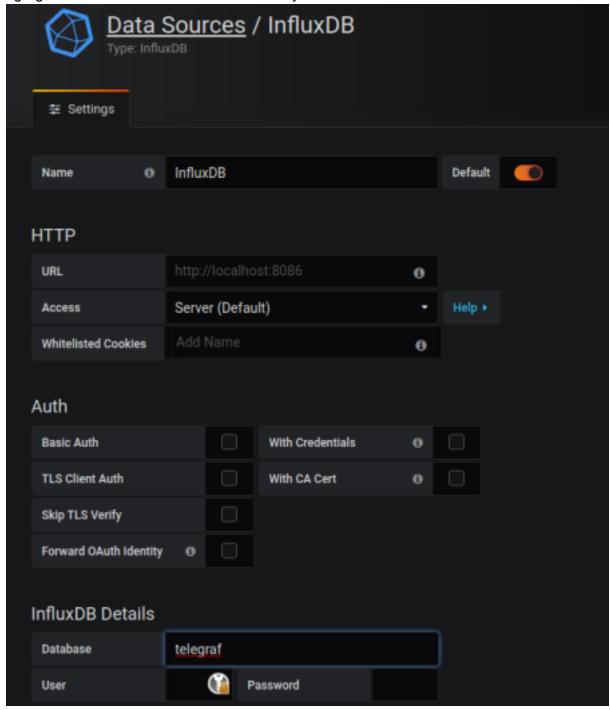
Vamos a localhost:3000 con admin:admin, luego nos pedirá cambio de password



y accedemos al panel inicial

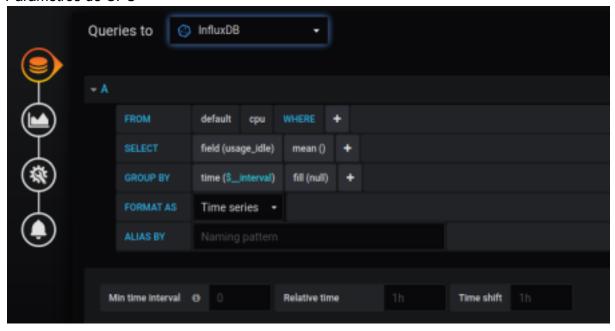


Agregamos el datasource correcto InfluxDB y sus valores

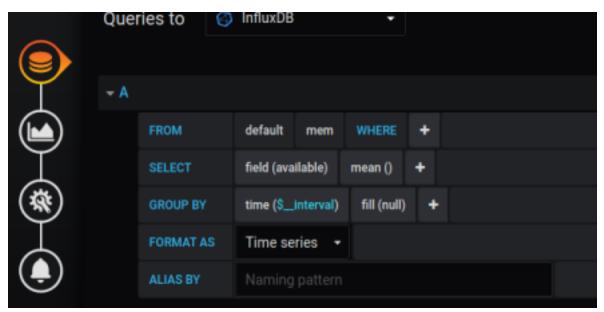


Luego vamos a crear un nuevo panel

Parametros de CPU



Parametros de memoria



Y vemos nuestro dashboard ya creado

