

Setup InfluxDB on AWS EC2

Step 1. Install influxDB on AWS EC2

```
# connect to the EC2

# add influxdb repository key
sudo curl -sL https://repos.influxdata.com/influxdb.key | sudo apt-key add -

# create list file
sudo echo "deb https://repos.influxdata.com/ubuntu bionic stable" | sudo tee
/etc/apt/sources.list.d/influxdb.list

# install influxdb
sudo apt-get update && sudo apt-get install -y influxdb

# enable influxdb as a startup application
sudo systemctl enable --now influxdb
sudo systemctl restart influxdb

# configure influxdb
sudo nano /etc/influxdb/influxdb.conf

# uncomment enabled=true
[http]
# Determines whether HTTP endpoint is enabled.
enabled = true
# Determines whether the Flux query endpoint is enabled.
# flux-enabled = false

# ---

# then restart influxdb
sudo systemctl restart influxdb
sudo systemctl status influxdb

# create username and password
```

```
curl -XPOST "http://localhost:8086/query" --data-urlencode "q=CREATE USER
admin WITH PASSWORD <type_password_here> WITH ALL PRIVILEGES"
```

Step 2. Create database and load data

```
# type influx at the ec2 instance shell to enter the influx db shell
influx -username 'admin' -password 'your password here'

# And create a new database(tweet for instance) as below
> show databases
name: databases
name
----
_internal

> create database tweet
> show database
name: databases
name
----
_internal
tweet
```

To load the Nashville Tweet dataset into Influxdb, please execute the importer.ipynb notebook in this folder.

Step 3. : Install Chronograf on your Linux VM to run queries and visualize data from the influxDB.

Download and install Chronograf:

```
wget
https://dl.influxdata.com/chronograf/releases/chronograf_1.8.9.1_amd64.deb --
no-check-certificate
sudo dpkg -i chronograf_1.8.9.1_amd64.deb
```

Connect to the influxDB and view the data:

Ubuntu [Running] - Oracle VM VirtualBox

FileMachineViewInputDevicesHelp

Activities

Google Chrome

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Chronograf

localhost:8888/sources/1/chronograf/data-explorer?query=SELECT%20%2A%20FROM%20"tweet"."autogen"."tweet"%20

UTCLocalWrite DataSend to Dashboard

Explore

Dynamic SourceInfluxQLFlux

CSVIIPast 1h

time	tweet.Bool_value	tweet.Float_value	tweet.Int_value	tweet.String_value	tweet.country	tweet.favorite_count	tweet.favorited	tweet.followers_count	tweet.friends_count	tweet.place_type
02/03/2019 09:28:05					United States	0.00				admin
02/03/2019 09:28:05					United States	0.00	false	852.00	782.00	admin
02/03/2019 09:28:05	true	1.00	3.00	Text		0.00				
02/03/2019 09:28:05										
02/03/2019 09:28:07					United States	0.00				admin

SELECT * FROM "tweet"."autogen"."tweet"

SELECT * FROM "tweet"."autogen"."tweet"

Success!

Show Template ValuesMetaquery TemplatesSubmit Query

DB.RetentionPolicy

Measurements & Tags

Fields

_internal_monitor

tweet_a_year

tweet.autogen

tweet.autogen

No Database selected

No Measurement selected

Type here to search

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