How to install influxDB on Ubuntu 16.04

1. Install InfluxDB

First, configure the package sources.

Make sure you've previously used sudo in the current session, so that the sudo in the command below does not prompt you for a password again. To make sure, you can just run "sudo ls" and check that it doesn't prompt for a password.

If you copy and paste this, make sure it is three separate lines.

```
$ curl -sL https://repos.influxdata.com/influxdb.key | sudo apt-key add -
$ source /etc/lsb-release
$ echo "deb https://repos.influxdata.com/${DISTRIB_ID,,} ${DISTRIB_CODENAME} stable"
   | sudo tee /etc/apt/sources.list.d/influxdb.list
```

2. Install influxDB

```
$ sudo apt-get install influxdb influxdb-client
```

3. Start InfluxDB. This command produces no output.

```
$ sudo service influxdb start
```

4. Connect to InfluxDB using the commandline

```
$ influx
```

5. Create a database.

For this quickstart we'll call the database "statsdemo".

Run this command inside the InfluxDB shell.

```
> CREATE DATABASE statsdemo
```

This command produces no output, but when you list the database, you should see that it was created:

> SHOW DATABASES

```
> SHOW DATABASES
name: databases
name
----
_internal
statsdemo
```

6. Select the new created database:

> USE statsdemo

7. Insert some test data using the following command.

> INSERT cpu,host=serverA value=0.64

More information about inserting data can be found here:

https://docs.influxdata.com/influxdb/v0.12/guides/writing_data/

The insert command does not produce any output, but you should see your data when you perform a query:

> SELECT * from cpu

8. Type "exit" to leave the InfluxDB shell and return to the Linux shell.

> exit

9. Using browserto manage influxDB

There are two steps to manage influxDB using a browser.

The first is to edit '/etc/influxdb/influxdb.conf' file.

The second is to open firewall ports.

Step 1: Edit '/etc/influxdb/influxdb.conf'

```
$ sudo cp /etc/influxdb/influxdb.conf /etc/influxdb/influxdb.con.bak

$ sudo nano /etc/influxdb/influxdb.conf
```

The content of 'influxdb.conf' after modify is as follows:

```
###
### [admin]
###
### Controls the availability of the built-in, web-based admin interface.
###

[admin]
  enabled = true
  bind-address = ":8083"

###
### [http]
###
### Controls how the HTTP endpoints are configured. These are the primary
### mechanism for getting data into and out of InfluxDB.
###

[http]
  enabled = true
  bind-address = ":8086"
  auth-enabled = false
  log-enabled = true
  write-tracing = false
  pprof-enabled = false
```

Step 2: Open firewall ports.

```
$ sudo ufw allow 8083/tcp

$ sudo ufw allow 8086/tcp
```

Restart firewall service.

```
$ sudo service influxdb restart
```

10. Verify influxDB

Open browser and enter 'localhost:8083' at address line, the screen should look similar as follows:
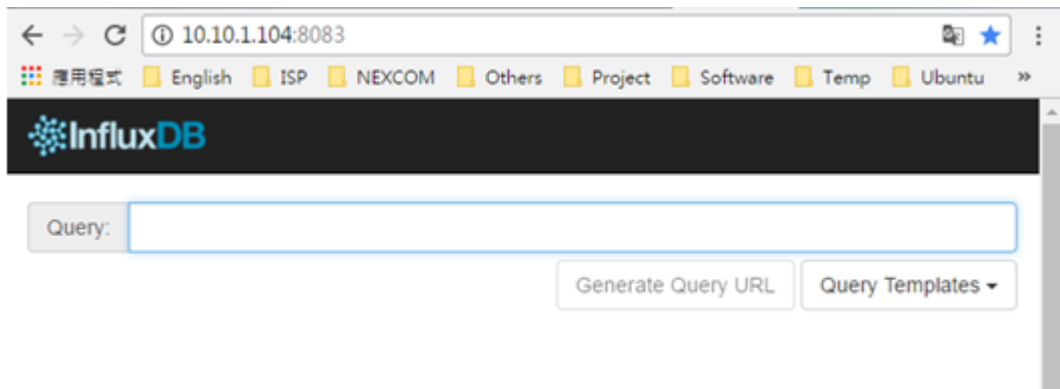
Fig 1 influxDB is working

Reference:

[1]   The instructions below are based on the official documentation which can be found here:
https://docs.influxdata.com/influxdb/v0.12/introduction/installation/

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