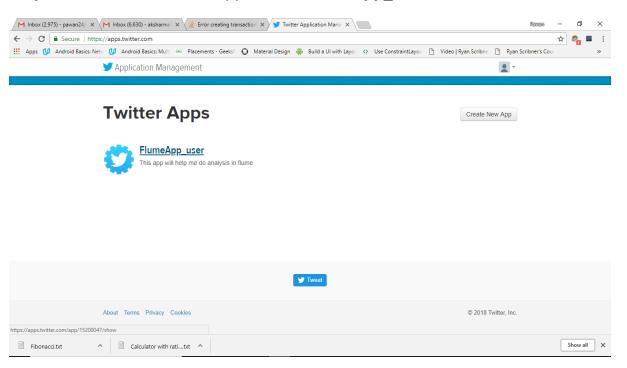
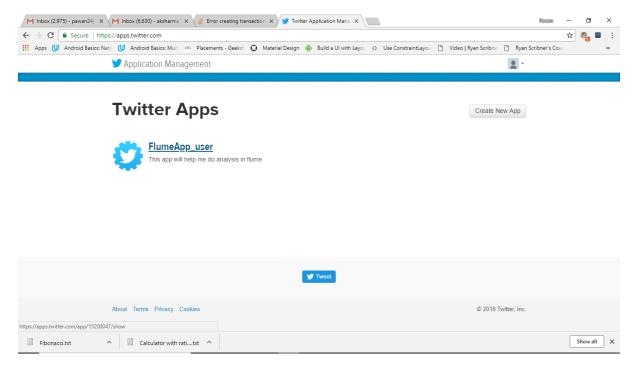
ASSIGNMENT

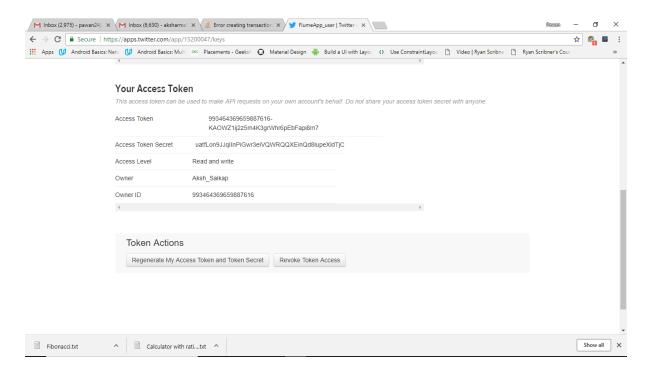
Task1: To create Flume Agent to stream data from twitter

Step 1: Create twitter application **FlumeApp_user**



Step2: Take down consumer key, secret and Access token, Access secret





Step3: make a directory **flumeconf** , put **flumehdfs.conf** file into this directory.

- → flumehdfs.conf contains the details of source=Twitter, sink=HDFS, channel=MemChannel, where the agent name is TwitterAgent
- → File also contains the consumer key and access token details captured from twitter application.

Step 4: Run the command to fetch data from twitter

→ flume-ng agent –n TwitterAgent --conf /home/acadgild/flumeconf -f flumehdfs.conf

```
| Cacadgild@localhost flumeconf]$
| Cacadgild@localhost flumeconf]$ flume-ng agent -n TwitterAgent --conf /home/acad gild/flumeconf -f flumehdfs.conf |
| Cacadgild@localhost flumeconf]$ flume-ng agent -n TwitterAgent --conf /home/acad gild/flumeconf -f flumehdfs.conf |
| Cacadgild@localhost flumeconf]$ flume-ng agent -n TwitterAgent --conf /home/acadgild/install/hadoop/hadoop -2.6.5/bin/hadoop libraries found via (/home/acadgild/install/habse/hbase-1.
| 2.6/bin/hbase] for HBASE access |
| Cacadgild@localhost flume/acadgild@localhost flumeconf:/home/acadgild/install/himeconf:/home/acadgild/install/flumeconf:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/common/lib/*:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/common/lib/*:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/common/lib/*:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/common/lib/*:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/hadoop-2.6.5/share/hadoop/yarn/lib/*:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/yarn/lib/*:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/yarn/lib/*:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/yarn/lib/*:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/yarn/lib/*:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/apreduce/*:home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/apreduce/*:home/acadgild/install/hasop/haso-1.2.6/in/avajdkl.8.0 l51/lib/cols.jar:/home/acadgild/install/hase/hbase-1.2.6/lib/apachds-levehreso-codec-2.0.0-MIS.jar:/home/acadgild/install/hase/hbase-1.2.6/lib/apachds-levehreso-codec-2.0.0-MIS.jar:/home/acadgild/install/hase/hbase-1.2.6/lib/apachds-levehreso-codec-2.0.0-MIS.jar:/home/acadgild/install/hase/hbase-1.2.6/lib/apachds-levehreso-codec-2.0.0-MIS.jar:/home/acadgild/install/hase/hbase-1.2.6/lib/apachds-levehreso-codec-2.0.0-MIS.jar:/home/acadgild/install/hase/hbase-1.2.6/lib/commons-come-1.2.6/lib/commons-codec-1.9.jar:/home/acadgild/install/hase/hbase-1.2.6/li
```

```
79540 2018-05-08 13:16 twitter/18-05-08/
 rw-r--r-- 1 acadgild supergroup
lumeData.1525765595531
 rw-r--r-- 1 acadgild supergroup
lumeData.1525765602641
 rw-r--r-- 1 acadgild supergroup
lumeData.1525765609589
  w-r--r-- 1 acadgild supergroup
umeData.1525765615580
 rw-r--r-- 1 acadgild supergroup
lumeData.1525765620911
                                                                               95483 2018-05-08 13:17 twitter/18-05-08/
         --r-- 1 acadgild supergroup
Data.1525765626290
                                                                               61816 2018-05-08 13:17 twitter/18-05-08/
FlumeData.152576562290

rw-r-r-- 1 acadgild supergroup

rlumeData.1525765631599

rw-r-r-- 1 acadgild supergroup

rlumeData.1525765637870

rw-r--- 1 acadgild supergroup

rlumeData.1525765644214

rw-r-r-- 1 acadgild supergroup

rlumeData.1525765657835

rw-r-r-- 1 acadgild supergroup

rlumeData.1525765657806

rw-r-r-- 1 acadgild supergroup

rlumeData.1525765663122

rw-r-r-- 1 acadgild supergroup

rlumeData.1525765668793

rw-r-r-- 1 acadgild supergroup

rlumeData.1525765668793

rw-r-r-- 1 acadgild supergroup
                                                                               74412 2018-05-08 13:17 twitter/18-05-08/
                                                                             85044 2018-05-08 13:17 twitter/18-05-08/
                                                                              62142 2018-05-08 13:17 twitter/18-05-08/
 rw-r--r-- 1 acadgild supergroup
lumeData.1525765674515
-rw-r--r- 1 acadgild supergroup
FlumeData.1525765679898
                                                                              74425 2018-05-08 13:18 twitter/18-05-08/
-rw-r--r- 1 acadgild supergroup
FlumeData.1525765685917
rw-r--r-- 1 acadgild supergroup
lumeData.1525765692509
```

Step5: To check the data captured, run the command

→ hadoop fs -cat twitter/18-05-08/FlumeData.1525765766131