BUAN 6346.501

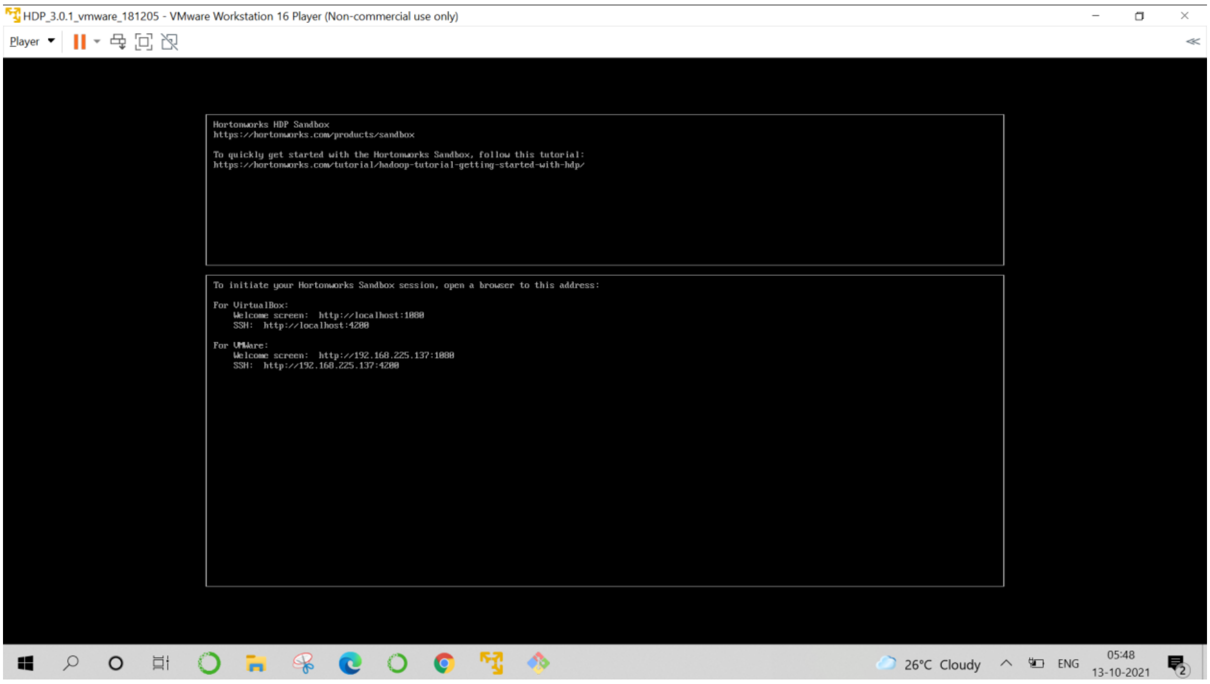
Bonus Project - Flume Twitter

Arul Chakravarthy

Twitter-Flume Integration

Step 1: New Twitter Developer Account was created using https://developer.twitter.com/

Step 2: For Hadoop ecosystem, Sandbox HDP Horton VMWare V3.0.1 was downloaded and installed from Cloudera


HDP_3.0.1_vmware_181205 - VMware Workstation 16 Player (Non-commercial use only)
Player
26°C Cloudy
ENG
05:48
13-10-2021

```
Hortonworks HDP Sandbox
https://hortonworks.com/products/sandbox

To quickly get started with the Hortonworks Sandbox, follow this tutorial:
https://hortonworks.com/tutorial/hadoop-tutorial-getting-started-with-hdp/
```

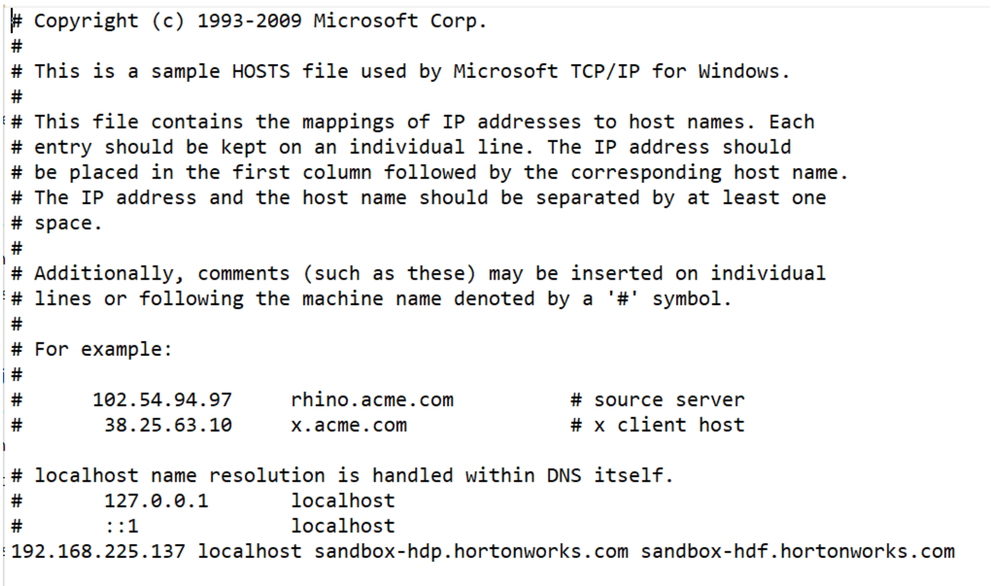
```
To initiate your Hortonworks Sandbox session, open a browser to this address:

For VirtualBox:
    Welcome screen:  http://localhost:1080
    SSH:  http://localhost:4200

For VMWare:
    Welcome screen:  http://192.168.225.137:1080
    SSH:  http://192.168.225.137:4200
```

From above, my Sandbox IP is 192.168.225.137

Step 3: For Windows, Hosts.cfg has been configured with above HDP Sandbox IP and its host name mapping as follows

```
192.168.225.137 localhost sandbox-hdp.hortonworks.com sandbox-hdf.hortonworks.com
```

Hosts.cfg configuration:

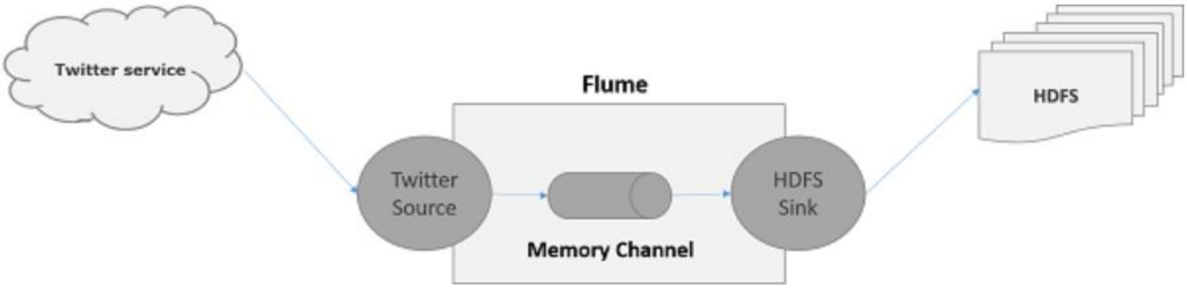


```
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#      102.54.94.97     rhino.acme.com          # source server
#       38.25.63.10     x.acme.com              # x client host

# localhost name resolution is handled within DNS itself.
#       127.0.0.1       localhost
#       ::1             localhost
192.168.225.137 localhost sandbox-hdp.hortonworks.com sandbox-hdf.hortonworks.com
```

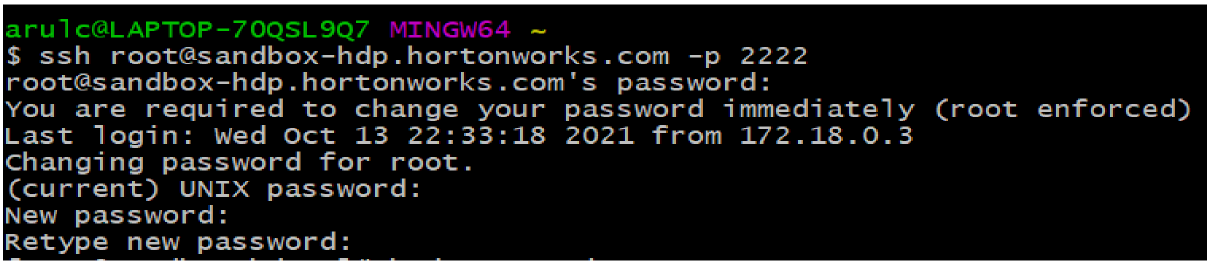
Twitter-Flume Integration

Let's see in this document on how we can set-up Flume to read the tweets into HDFS

Destination HDFS Directory: /loudacre/tweets

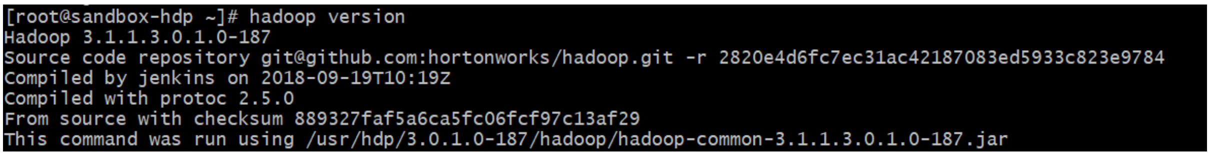


Step 4: For Windows, Git Bash was used throughout to login into HDP-Sandbox by SSH as root user via port 2222



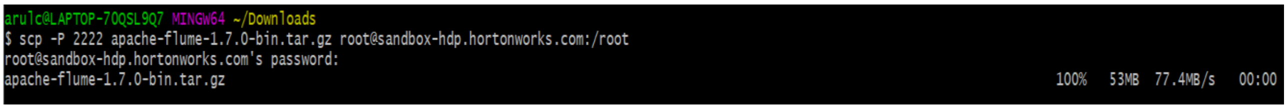
```
arulc@LAPTOP-70QSL9Q7 MINGW64 ~
$ ssh root@sandbox-hdp.hortonworks.com -p 2222
root@sandbox-hdp.hortonworks.com's password:
You are required to change your password immediately (root enforced)
Last login: Wed Oct 13 22:33:18 2021 from 172.18.0.3
Changing password for root.
(current) UNIX password:
New password:
Retype new password:
```

Step 4: A simple check whether Hadoop is installed

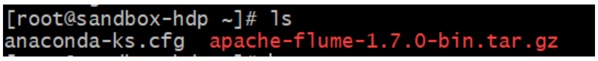


```
[root@sandbox-hdp ~]# hadoop version
Hadoop 3.1.1.3.0.1.0-187
Source code repository git@github.com:hortonworks/hadoop.git -r 2820e4d6fc7ec31ac42187083ed5933c823e9784
Compiled by jenkins on 2018-09-19T10:19Z
Compiled with protoc 2.5.0
From source with checksum 889327faf5a6ca5fc06fcf97c13af29
This command was run using /usr/hdp/3.0.1.0-187/hadoop/hadoop-common-3.1.1.3.0.1.0-187.jar
```

Step 5: Latest version of Apache-Flume was downloaded from the below link in my local laptop https://downloads.apache.org/flume/1.7.0/ . From local laptop, apache-flume zip file has been transferred into HDP Sandbox using SCP

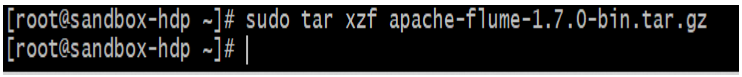


```
arulc@LAPTOP-70QSL9Q7 MINGW64 ~/Downloads
$ scp -P 2222 apache-flume-1.7.0-bin.tar.gz root@sandbox-hdp.hortonworks.com:/root
root@sandbox-hdp.hortonworks.com's password:
apache-flume-1.7.0-bin.tar.gz                                                          100%   53MB  77.4MB/s   00:00
```



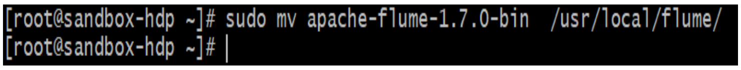
```
[root@sandbox-hdp ~]# ls
anaconda-ks.cfg  apache-flume-1.7.0-bin.tar.gz
```

Step 6: Apache-flume zip file has been unzipped as follows using sudo access



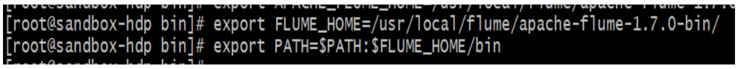
```
[root@sandbox-hdp ~]# sudo tar xzf apache-flume-1.7.0-bin.tar.gz
[root@sandbox-hdp ~]# |
```

Step 7: Unzipped apache-flume was moved into /usr/local/flume/ of my sandbox



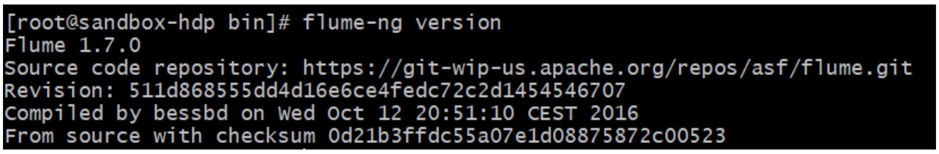
```
[root@sandbox-hdp ~]# sudo mv apache-flume-1.7.0-bin  /usr/local/flume/
[root@sandbox-hdp ~]# |
```

Step 8: Necessary environment variables has been set as FLUME_PATH and the bin directory of flume has been added to the PATH variable which will be used in the further steps



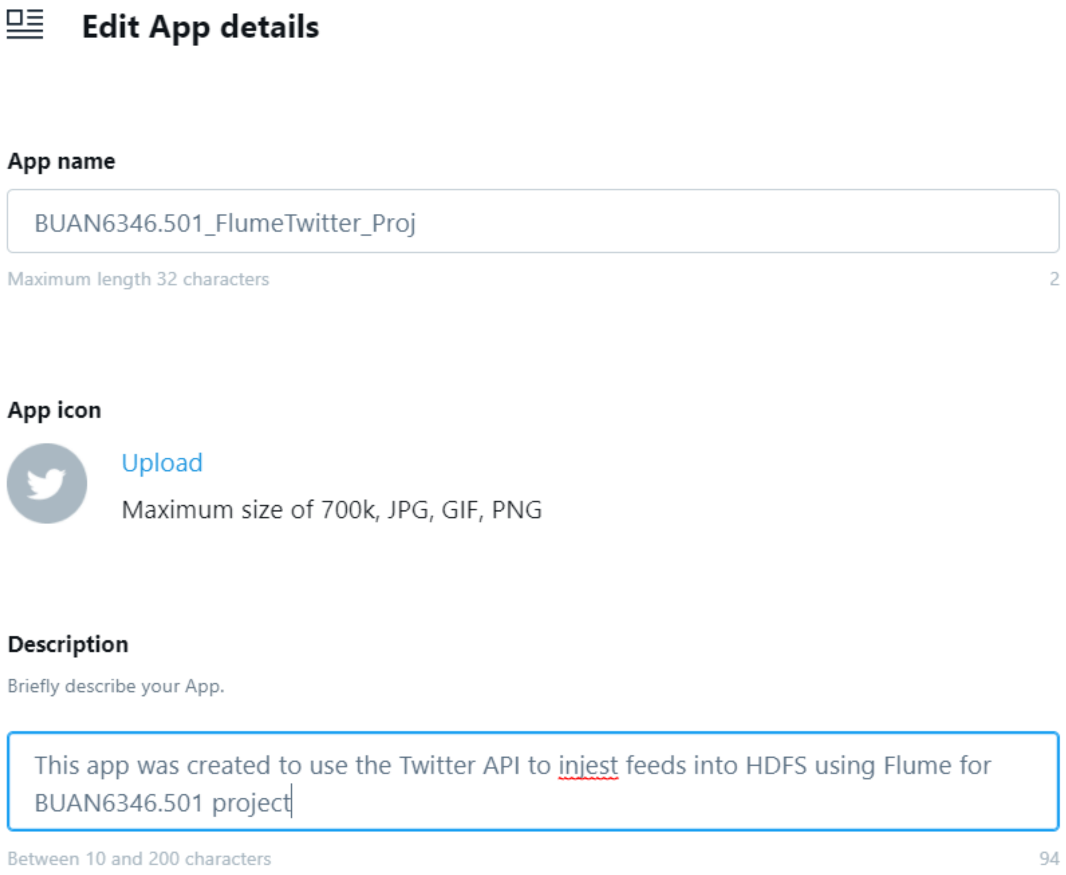
```
[root@sandbox-hdp bin]# export FLUME_HOME=/usr/local/flume/apache-flume-1.7.0-bin/
[root@sandbox-hdp bin]# export PATH=$PATH:$FLUME_HOME/bin
```

Step 9: Check for flume-ng version



```
[root@sandbox-hdp bin]# flume-ng version
Flume 1.7.0
Source code repository: https://git-wip-us.apache.org/repos/asf/flume.git
Revision: 511d868555dd4d16e6ce4fedc72c2d1454546707
Compiled by bessbd on Wed Oct 12 20:51:10 CEST 2016
From source with checksum 0d21b3ffdc55a07e1d08875872c00523
```

Step 10: Once Flume installation was done, Twitter application was created using the following settings



Edit App details

App name

BUAN6346.501_FlumeTwitter_Proj

Maximum length 32 characters 2

App icon

Upload

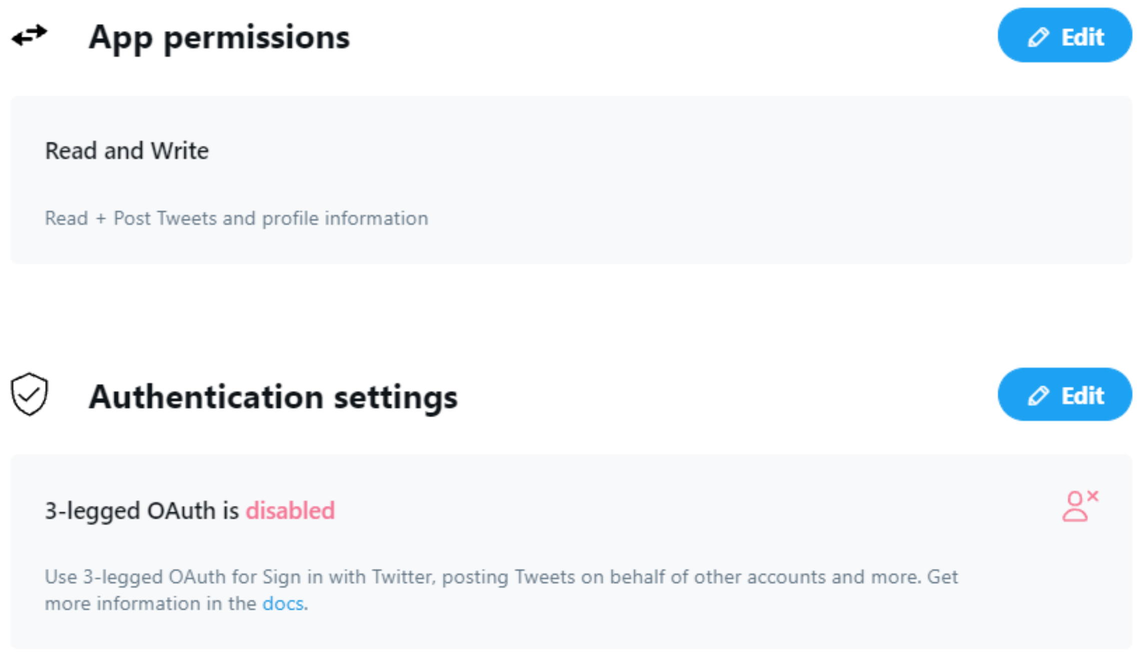
Maximum size of 700k, JPG, GIF, PNG

Description

Briefly describe your App.

This app was created to use the Twitter API to injest feeds into HDFS using Flume for BUAN6346.501 project

Between 10 and 200 characters 94



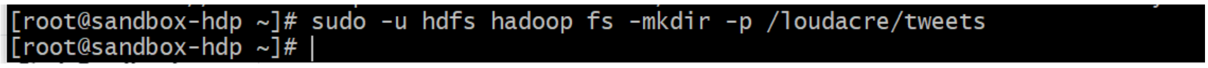
Read and Write

Read + Post Tweets and profile information

3-legged OAuth is disabled

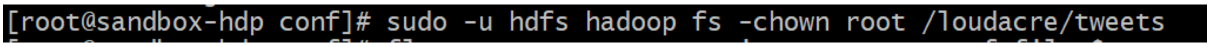
Use 3-legged OAuth for Sign in with Twitter, posting Tweets on behalf of other accounts and more. Get more information in the docs.

Step11: Destination directory has been created as /loudacre/tweets in Sandbox HDFS to store the tweets as follows



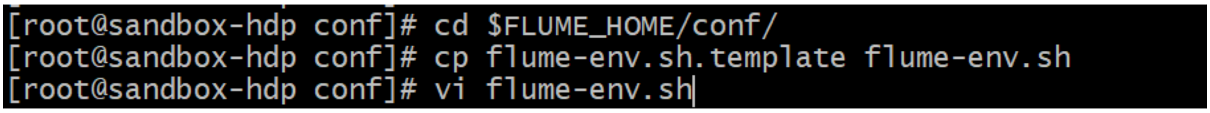
```
[root@sandbox-hdp ~]# sudo -u hdfs hadoop fs -mkdir -p /loudacre/tweets
[root@sandbox-hdp ~]# |
```

Changed the HDFS destination directory owner, as root for root user to write tweets into /loudacre/tweets



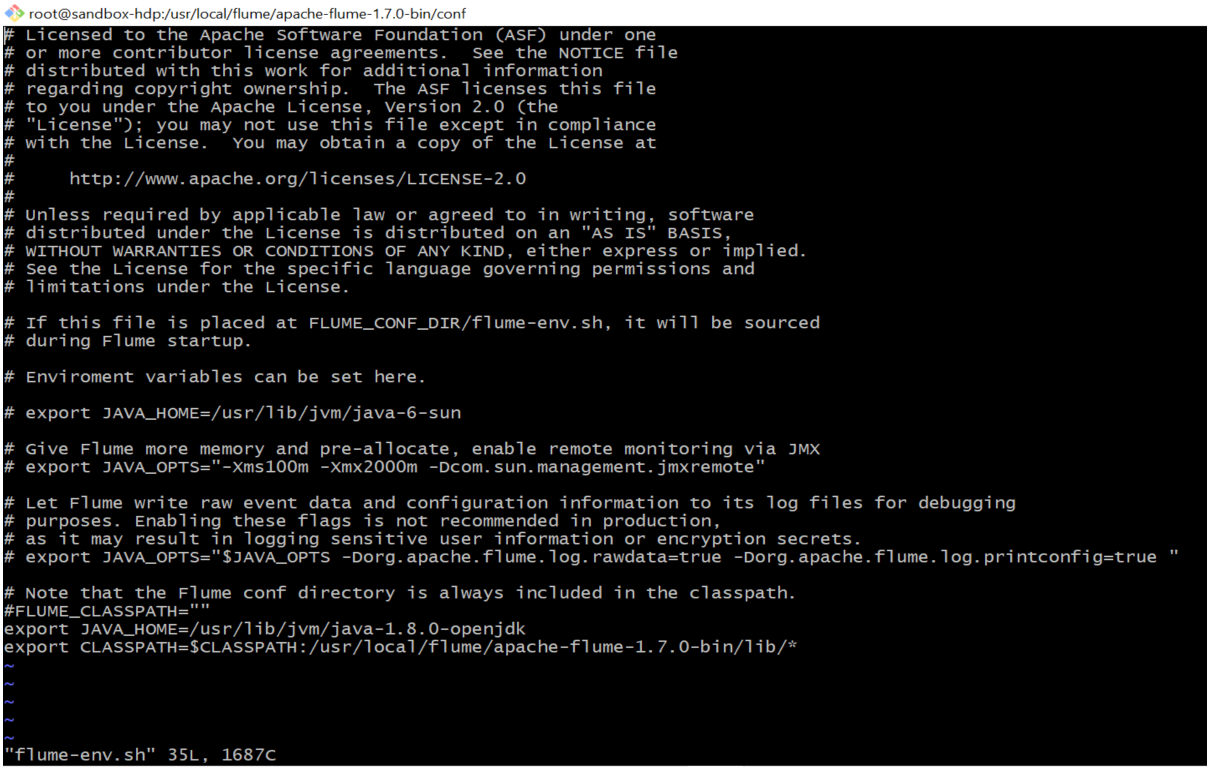
```
[root@sandbox-hdp conf]# sudo -u hdfs hadoop fs -chown root /loudacre/tweets
```

Step 12: flume-env.sh configuration file of Apache Flume was editied using flume-env.sh.template pre-created during installation as reference and added JAVA_PATH and CLASSPATH as environment variables



```
[root@sandbox-hdp conf]# cd $FLUME_HOME/conf/
[root@sandbox-hdp conf]# cp flume-env.sh.template flume-env.sh
[root@sandbox-hdp conf]# vi flume-env.sh
```

Flume-env.sh

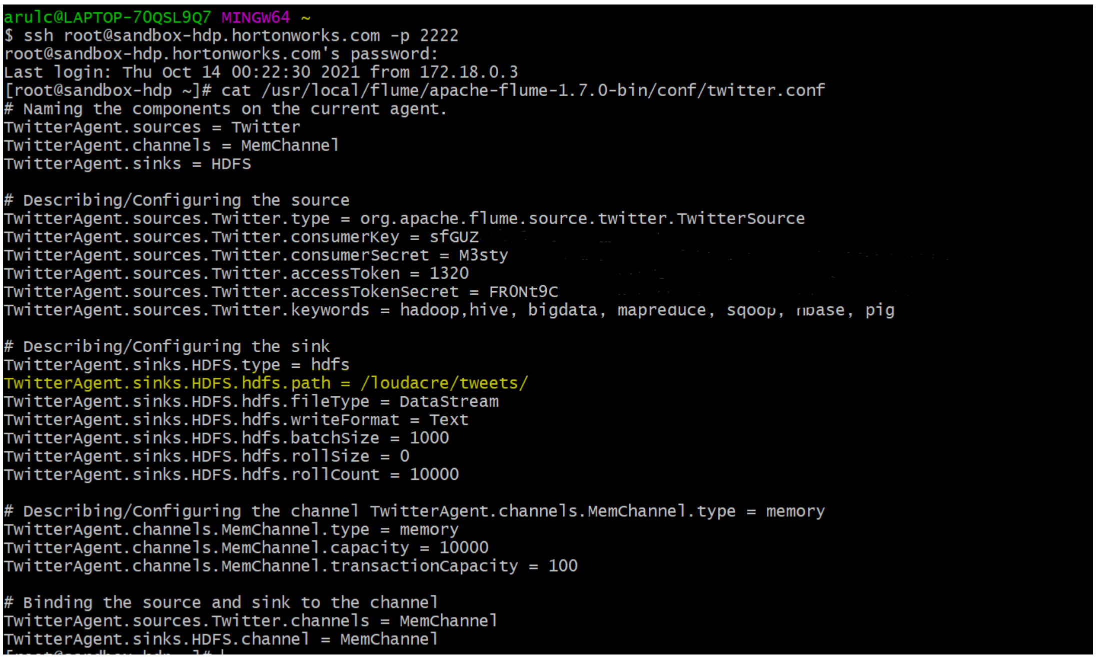


root@sandbox-hdp:/usr/local/flume/apache-flume-1.7.0-bin/conf

```
# Licensed to the Apache Software Foundation (ASF) under one
# or more contributor license agreements.  See the NOTICE file
# distributed with this work for additional information
# regarding copyright ownership.  The ASF licenses this file
# to you under the Apache License, Version 2.0 (the
# "License"); you may not use this file except in compliance
# with the License.  You may obtain a copy of the License at
#
#     http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.

# If this file is placed at FLUME_CONF_DIR/flume-env.sh, it will be sourced
# during Flume startup.

# Enviroment variables can be set here.

# export JAVA_HOME=/usr/lib/jvm/java-6-sun

# Give Flume more memory and pre-allocate, enable remote monitoring via JMX
# export JAVA_OPTS="-Xms100m -Xmx2000m -Dcom.sun.management.jmxremote"

# Let Flume write raw event data and configuration information to its log files for debugging
# purposes. Enabling these flags is not recommended in production,
# as it may result in logging sensitive user information or encryption secrets.
# export JAVA_OPTS="$JAVA_OPTS -Dorg.apache.flume.log.rawdata=true -Dorg.apache.flume.log.printconfig=true "

# Note that the Flume conf directory is always included in the classpath.
#FLUME_CLASSPATH=""
export JAVA_HOME=/usr/lib/jvm/java-1.8.0-openjdk
export CLASSPATH=$CLASSPATH:/usr/local/flume/apache-flume-1.7.0-bin/lib/*
~
~
~
~
~
"flume-env.sh" 35L, 1687C
```

Step13: Under conf folder of apache-flume a new configuration file has been created as twitter.conf with necessary Flume Source, sink and channel configurations

Twitter.conf

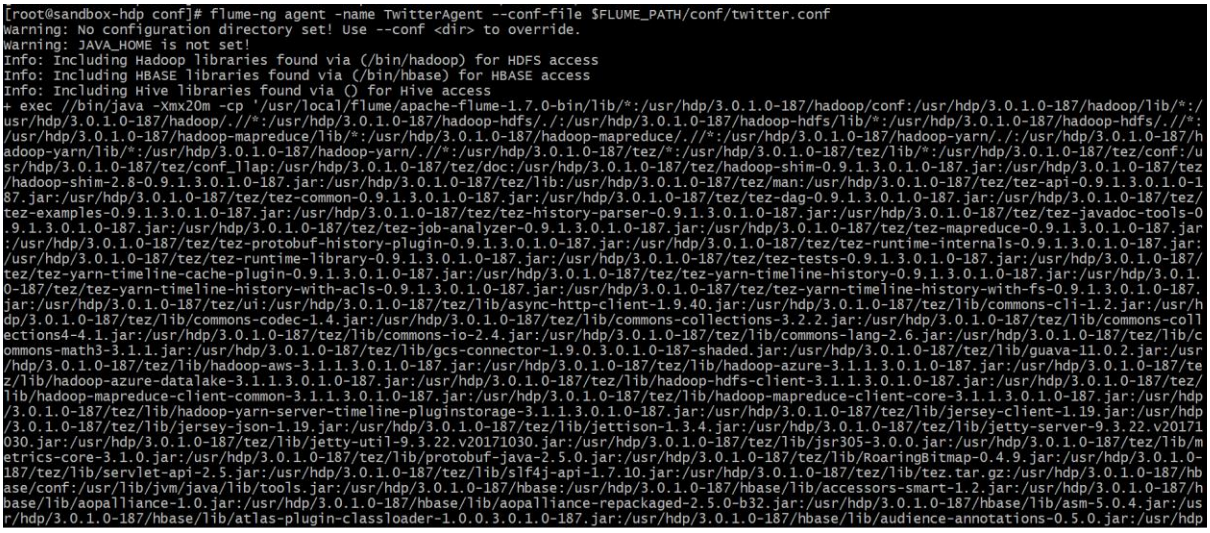


```
arulc@LAPTOP-70QSL9Q7 MINGW64 ~
$ ssh root@sandbox-hdp.hortonworks.com -p 2222
root@sandbox-hdp.hortonworks.com's password:
Last login: Thu Oct 14 00:22:30 2021 from 172.18.0.3
[root@sandbox-hdp ~]# cat /usr/local/flume/apache-flume-1.7.0-bin/conf/twitter.conf
# Naming the components on the current agent.
TwitterAgent.sources = Twitter
TwitterAgent.channels = MemChannel
TwitterAgent.sinks = HDFS

# Describing/Configuring the source
TwitterAgent.sources.Twitter.type = org.apache.flume.source.twitter.TwitterSource
TwitterAgent.sources.Twitter.consumerKey = sfGUZ[redacted]
TwitterAgent.sources.Twitter.consumerSecret = M3sty[redacted]
TwitterAgent.sources.Twitter.accessToken = 1320[redacted]
TwitterAgent.sources.Twitter.accessTokenSecret = FR0Nt9C[redacted]
TwitterAgent.sources.Twitter.keywords = hadoop,hive, bigdata, mapreduce, sqoop, hbase, pig

# Describing/Configuring the sink
TwitterAgent.sinks.HDFS.type = hdfs
TwitterAgent.sinks.HDFS.hdfs.path = /loudacre/tweets/
TwitterAgent.sinks.HDFS.hdfs.fileType = DataStream
TwitterAgent.sinks.HDFS.hdfs.writeFormat = Text
TwitterAgent.sinks.HDFS.hdfs.batchSize = 1000
TwitterAgent.sinks.HDFS.hdfs.rollSize = 0
TwitterAgent.sinks.HDFS.hdfs.rollCount = 10000

# Describing/Configuring the channel TwitterAgent.channels.MemChannel.type = memory
TwitterAgent.channels.MemChannel.type = memory
TwitterAgent.channels.MemChannel.capacity = 10000
TwitterAgent.channels.MemChannel.transactionCapacity = 100

# Binding the source and sink to the channel
TwitterAgent.sources.Twitter.channels = MemChannel
TwitterAgent.sinks.HDFS.channel = MemChannel
```

ConsumerKey and AccessTokens are masked in the above snapshot owing to confidentiality

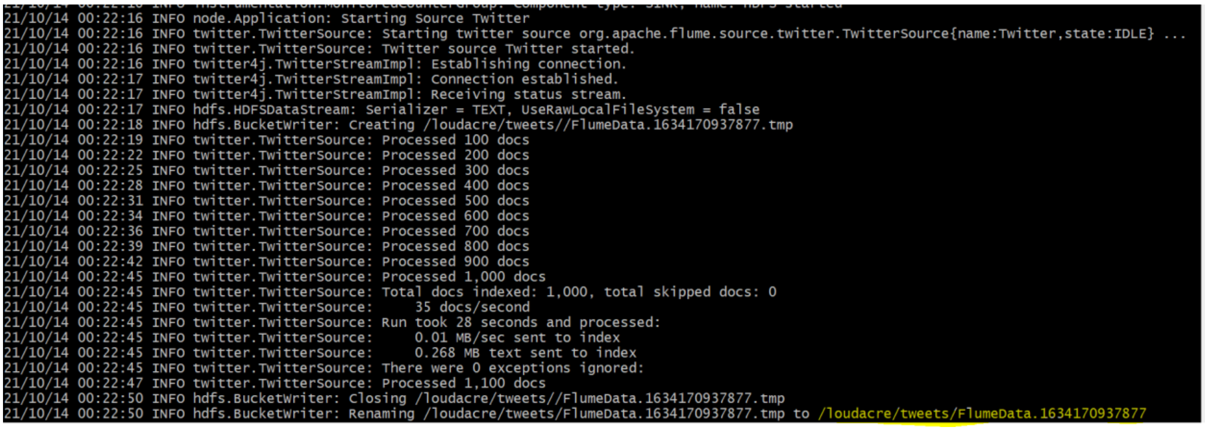
Step14: Flume Agent was run using the below command with parameters as *-n TwitterAgent* and –*conf-file <path-to-twitter.conf-file>* as follows to read the tweets from twitter

```
flume-ng agent -name TwitterAgent --conf-file $FLUME_PATH/conf/twitter.conf
```



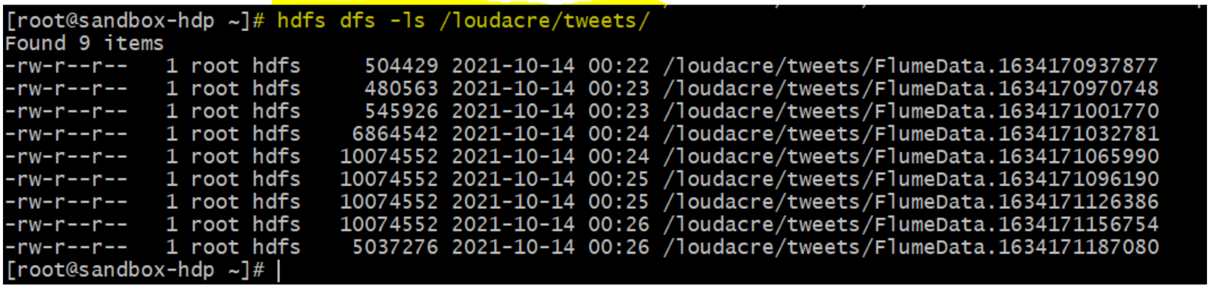
```
[root@sandbox-hdp conf]# flume-ng agent -name TwitterAgent --conf-file $FLUME_PATH/conf/twitter.conf
Warning: No configuration directory set! Use --conf <dir> to override.
Warning: JAVA_HOME is not set!
Info: Including Hadoop libraries found via (/bin/hadoop) for HDFS access
Info: Including HBASE libraries found via (/bin/hbase) for HBASE access
Info: Including Hive libraries found via () for Hive access
+ exec //bin/java -Xmx20m -cp '/usr/local/flume/apache-flume-1.7.0-bin/lib/*:/usr/hdp/3.0.1.0-187/hadoop/conf:/usr/hdp/3.0.1.0-187/hadoop/lib/*:/
usr/hdp/3.0.1.0-187/hadoop/.//*:/usr/hdp/3.0.1.0-187/hadoop-hdfs/./:/usr/hdp/3.0.1.0-187/hadoop-hdfs/lib/*:/usr/hdp/3.0.1.0-187/hadoop-hdfs/.//*:
/usr/hdp/3.0.1.0-187/hadoop-mapreduce/lib/*:/usr/hdp/3.0.1.0-187/hadoop-mapreduce/.//*:/usr/hdp/3.0.1.0-187/hadoop-yarn/./:/usr/hdp/3.0.1.0-187/h
adoop-yarn/lib/*:/usr/hdp/3.0.1.0-187/hadoop-yarn/.//*:/usr/hdp/3.0.1.0-187/tez/*:/usr/hdp/3.0.1.0-187/tez/lib/*:/usr/hdp/3.0.1.0-187/tez/conf:/u
sr/hdp/3.0.1.0-187/tez/conf_llap:/usr/hdp/3.0.1.0-187/tez/doc:/usr/hdp/3.0.1.0-187/tez/hadoop-shim-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez
/hadoop-shim-2.8-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/lib:/usr/hdp/3.0.1.0-187/tez/man:/usr/hdp/3.0.1.0-187/tez/tez-api-0.9.1.3.0.1.0-1
87.jar:/usr/hdp/3.0.1.0-187/tez/tez-common-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/tez-dag-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/
tez-examples-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/tez-history-parser-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/tez-javadoc-tools-0
.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/tez-job-analyzer-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/tez-mapreduce-0.9.1.3.0.1.0-187.jar
:/usr/hdp/3.0.1.0-187/tez/tez-protobuf-history-plugin-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/tez-runtime-internals-0.9.1.3.0.1.0-187.jar:
/usr/hdp/3.0.1.0-187/tez/tez-runtime-library-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/tez-tests-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/
tez/tez-yarn-timeline-cache-plugin-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/tez-yarn-timeline-history-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.
0-187/tez/tez-yarn-timeline-history-with-acls-0.9.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/tez-yarn-timeline-history-with-fs-0.9.1.3.0.1.0-187.
jar:/usr/hdp/3.0.1.0-187/tez/ui:/usr/hdp/3.0.1.0-187/tez/lib/async-http-client-1.9.40.jar:/usr/hdp/3.0.1.0-187/tez/lib/commons-cli-1.2.jar:/usr/h
dp/3.0.1.0-187/tez/lib/commons-codec-1.4.jar:/usr/hdp/3.0.1.0-187/tez/lib/commons-collections-3.2.2.jar:/usr/hdp/3.0.1.0-187/tez/lib/commons-coll
ections4-4.1.jar:/usr/hdp/3.0.1.0-187/tez/lib/commons-io-2.4.jar:/usr/hdp/3.0.1.0-187/tez/lib/commons-lang-2.6.jar:/usr/hdp/3.0.1.0-187/tez/lib/c
ommons-math3-3.1.1.jar:/usr/hdp/3.0.1.0-187/tez/lib/gcs-connector-1.9.0.3.0.1.0-187-shaded.jar:/usr/hdp/3.0.1.0-187/tez/lib/guava-11.0.2.jar:/usr
/hdp/3.0.1.0-187/tez/lib/hadoop-aws-3.1.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/lib/hadoop-azure-3.1.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/te
z/lib/hadoop-azure-datalake-3.1.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/lib/hadoop-hdfs-client-3.1.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/
lib/hadoop-mapreduce-client-common-3.1.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/lib/hadoop-mapreduce-client-core-3.1.1.3.0.1.0-187.jar:/usr/hdp
/3.0.1.0-187/tez/lib/hadoop-yarn-server-timeline-pluginstorage-3.1.1.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/tez/lib/jersey-client-1.19.jar:/usr/hdp
/3.0.1.0-187/tez/lib/jersey-json-1.19.jar:/usr/hdp/3.0.1.0-187/tez/lib/jettison-1.3.4.jar:/usr/hdp/3.0.1.0-187/tez/lib/jetty-server-9.3.22.v20171
030.jar:/usr/hdp/3.0.1.0-187/tez/lib/jetty-util-9.3.22.v20171030.jar:/usr/hdp/3.0.1.0-187/tez/lib/jsr305-3.0.0.jar:/usr/hdp/3.0.1.0-187/tez/lib/m
etrics-core-3.1.0.jar:/usr/hdp/3.0.1.0-187/tez/lib/protobuf-java-2.5.0.jar:/usr/hdp/3.0.1.0-187/tez/lib/RoaringBitmap-0.4.9.jar:/usr/hdp/3.0.1.0-
187/tez/lib/servlet-api-2.5.jar:/usr/hdp/3.0.1.0-187/tez/lib/slf4j-api-1.7.10.jar:/usr/hdp/3.0.1.0-187/tez/lib/tez.tar.gz:/usr/hdp/3.0.1.0-187/hb
ase/conf:/usr/lib/jvm/java/lib/tools.jar:/usr/hdp/3.0.1.0-187/hbase:/usr/hdp/3.0.1.0-187/hbase/lib/accessors-smart-1.2.jar:/usr/hdp/3.0.1.0-187/h
base/lib/aopalliance-1.0.jar:/usr/hdp/3.0.1.0-187/hbase/lib/aopalliance-repackaged-2.5.0-b32.jar:/usr/hdp/3.0.1.0-187/hbase/lib/asm-5.0.4.jar:/us
r/hdp/3.0.1.0-187/hbase/lib/atlas-plugin-classloader-1.0.0.3.0.1.0-187.jar:/usr/hdp/3.0.1.0-187/hbase/lib/audience-annotations-0.5.0.jar:/usr/hdp
```

TwitterAgent was started as below.,



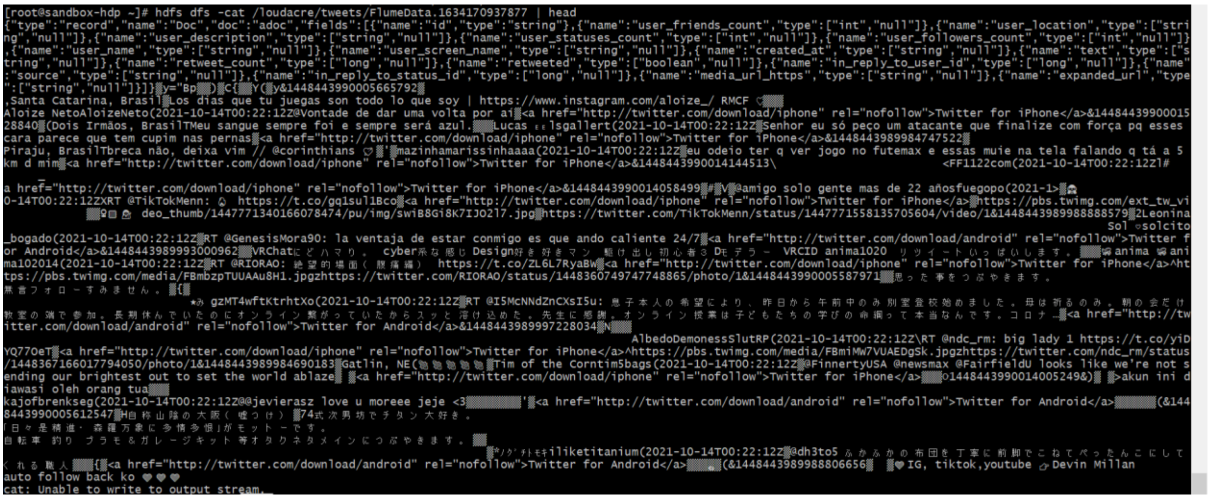
```
21/10/14 00:22:16 INFO node.Application: Starting Source Twitter
21/10/14 00:22:16 INFO twitter.TwitterSource: Starting twitter source org.apache.flume.source.twitter.TwitterSource{name:Twitter,state:IDLE} ...
21/10/14 00:22:16 INFO twitter.TwitterSource: Twitter source Twitter started.
21/10/14 00:22:16 INFO twitter4j.TwitterStreamImpl: Establishing connection.
21/10/14 00:22:17 INFO twitter4j.TwitterStreamImpl: Connection established.
21/10/14 00:22:17 INFO twitter4j.TwitterStreamImpl: Receiving status stream.
21/10/14 00:22:17 INFO hdfs.HDFSDataStream: Serializer = TEXT, UseRawLocalFileSystem = false
21/10/14 00:22:18 INFO hdfs.BucketWriter: Creating /loudacre/tweets//FlumeData.1634170937877.tmp
21/10/14 00:22:19 INFO twitter.TwitterSource: Processed 100 docs
21/10/14 00:22:22 INFO twitter.TwitterSource: Processed 200 docs
21/10/14 00:22:25 INFO twitter.TwitterSource: Processed 300 docs
21/10/14 00:22:28 INFO twitter.TwitterSource: Processed 400 docs
21/10/14 00:22:31 INFO twitter.TwitterSource: Processed 500 docs
21/10/14 00:22:34 INFO twitter.TwitterSource: Processed 600 docs
21/10/14 00:22:36 INFO twitter.TwitterSource: Processed 700 docs
21/10/14 00:22:39 INFO twitter.TwitterSource: Processed 800 docs
21/10/14 00:22:42 INFO twitter.TwitterSource: Processed 900 docs
21/10/14 00:22:45 INFO twitter.TwitterSource: Processed 1,000 docs
21/10/14 00:22:45 INFO twitter.TwitterSource: Total docs indexed: 1,000, total skipped docs: 0
21/10/14 00:22:45 INFO twitter.TwitterSource:     35 docs/second
21/10/14 00:22:45 INFO twitter.TwitterSource: Run took 28 seconds and processed:
21/10/14 00:22:45 INFO twitter.TwitterSource:     0.01 MB/sec sent to index
21/10/14 00:22:45 INFO twitter.TwitterSource:     0.268 MB text sent to index
21/10/14 00:22:45 INFO twitter.TwitterSource: There were 0 exceptions ignored:
21/10/14 00:22:47 INFO twitter.TwitterSource: Processed 1,100 docs
21/10/14 00:22:50 INFO hdfs.BucketWriter: Closing /loudacre/tweets//FlumeData.1634170937877.tmp
21/10/14 00:22:50 INFO hdfs.BucketWriter: Renaming /loudacre/tweets/FlumeData.1634170937877.tmp to /loudacre/tweets/FlumeData.1634170937877
```

Step15: Successfully Flume has ingested Tweets from Twitter into HDFS /loudacre/tweets directory as follows



```
[root@sandbox-hdp ~]# hdfs dfs -ls /loudacre/tweets/
Found 9 items
-rw-r--r--   1 root hdfs     504429 2021-10-14 00:22 /loudacre/tweets/FlumeData.1634170937877
-rw-r--r--   1 root hdfs     480563 2021-10-14 00:23 /loudacre/tweets/FlumeData.1634170970748
-rw-r--r--   1 root hdfs     545926 2021-10-14 00:23 /loudacre/tweets/FlumeData.1634171001770
-rw-r--r--   1 root hdfs    6864542 2021-10-14 00:24 /loudacre/tweets/FlumeData.1634171032781
-rw-r--r--   1 root hdfs   10074552 2021-10-14 00:24 /loudacre/tweets/FlumeData.1634171065990
-rw-r--r--   1 root hdfs   10074552 2021-10-14 00:25 /loudacre/tweets/FlumeData.1634171096190
-rw-r--r--   1 root hdfs   10074552 2021-10-14 00:25 /loudacre/tweets/FlumeData.1634171126386
-rw-r--r--   1 root hdfs   10074552 2021-10-14 00:26 /loudacre/tweets/FlumeData.1634171156754
-rw-r--r--   1 root hdfs    5037276 2021-10-14 00:26 /loudacre/tweets/FlumeData.1634171187080
[root@sandbox-hdp ~]# |
```

Step16: Finally, a sanity check to display the contents of tweets from above HDFS destination directory using `hdfs dfs -cat /loudacre/tweets/FlumeData.1634170937877 | head`



```
[root@sandbox-hdp ~]# hdfs dfs -cat /loudacre/tweets/FlumeData.1634170937877 | head
{"type":"record","name":"Doc","doc":"adoc","fields":[{"name":"id","type":"string"},{"name":"user_friends_count","type":["int","null"]},{"name":"user_location","type":["stri
ng","null"]},{"name":"user_description","type":["string","null"]},{"name":"user_statuses_count","type":["int","null"]},{"name":"user_followers_count","type":["int","null"]}
,{"name":"user_name","type":["string","null"]},{"name":"user_screen_name","type":["string","null"]},{"name":"created_at","type":["string","null"]},{"name":"text","type":["s
tring","null"]},{"name":"retweet_count","type":["long","null"]},{"name":"retweeted","type":["boolean","null"]},{"name":"in_reply_to_user_id","type":["long","null"]},{"name"
:"source","type":["string","null"]},{"name":"in_reply_to_status_id","type":["long","null"]},{"name":"media_url_https","type":["string","null"]},{"name":"expanded_url","type
":["string","null"]}]}▒y="Bp▒)▒C{▒Y(▒y&1448443990005665792▒
,Santa Catarina, Brasil▒Los días que tu juegas son todo lo que soy | https://www.instagram.com/aloize_/ RMCF ♡▒
Aloize NetoAloizeNeto(2021-10-14T00:22:12Z@Vontade de dar uma volta por aí▒<a href="http://twitter.com/download/iphone" rel="nofollow">Twitter for iPhone</a>&14484439900015
28840▒(Dois Irmãos, BrasilTMeu sangue sempre foi e sempre será azul.▒Lucas ᴇᴇ lsgallert(2021-10-14T00:22:12Z▒Senhor eu só peço um atacante que finalize com força pq esses
cara parece que tem cupim nas pernas▒<a href="http://twitter.com/download/iphone" rel="nofollow">Twitter for iPhone</a>&1448443989984747522▒
Piraju, BrasilTbreca não, deixa vim // @corinthians ♡▒'▒mazinhamarissinhaaaa(2021-10-14T00:22:12Z▒eu odeio ter q ver jogo no futemax e essas muie na tela falando q tá a 5
km d mim▒<a href="http://twitter.com/download/iphone" rel="nofollow">Twitter for iPhone</a>&1448443990014144513\                <FF1122com(2021-10-14T00:22:12Z1#

a href="http://twitter.com/download/iphone" rel="nofollow">Twitter for iPhone</a>&1448443990014058499▒#▒V▒@amigo solo gente mas de 22 añosfuegopo(2021-1>▒
0-14T00:22:12ZXRT @TikTokMenn: ♫  https://t.co/gq1sul1Bco▒<a href="http://twitter.com/download/iphone" rel="nofollow">Twitter for iPhone</a>▒https://pbs.twimg.com/ext_tw_vi
           ▒♀▢ deo_thumb/1447771340166078474/pu/img/swiB8Gi8K7IJ02l7.jpg▒https://twitter.com/TikTokMenn/status/1447771558135705604/video/1&1448443989988888579▒2Leonina
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_bogado(2021-10-14T00:22:12Z▒RT @GenesisMora90: la ventaja de estar conmigo es que ando caliente 24/7▒<a href="http://twitter.com/download/android" rel="nofollow">Twitter f
or Android</a>&1448443989993000962▒VRChatにどハマり。 cyber系な感じDesign好き好きマン 駆け出し初心者3 Dモデラー VRCID anima1020 リツイートいっぱいします。▒anima ▒ani
ma102014(2021-10-14T00:22:12Z▒RT @RIORAO: 絶望的場面（腹痛編） https://t.co/ZL6L7RyaBW▒<a href="http://twitter.com/download/iphone" rel="nofollow">Twitter for iPhone</a>^ht
tps://pbs.twimg.com/media/FBmbzpTUUAAu8H1.jpgzhttps://twitter.com/RIORAO/status/1448360749747748865/photo/1&1448443990005587971▒思った事をつぶやきます。
無言フォローすみません。▒{▒
                                              ★み gzMT4wftKtrhtXo(2021-10-14T00:22:12Z▒RT @I5McNNdZnCXsI5u: 息子本人の希望により、昨日から午前中のみ別室登校始めました。母は祈るのみ。朝の会だけ
教室の端で参加。長期休んでいたのにオンライン繋がっていたからスッと溶け込めた。先生に感謝。オンライン授業は子どもたちの学びの命綱って本当なんです。コロナ…▒<a href="http://tw
itter.com/download/android" rel="nofollow">Twitter for Android</a>&1448443989997228034▒N▒
                                                                                            AlbedoDemonessSlutRP(2021-10-14T00:22:12Z\RT @ndc_rm: big lady 1 https://t.co/yiD
YQ77OeT▒<a href="http://twitter.com/download/iphone" rel="nofollow">Twitter for iPhone</a>^https://pbs.twimg.com/media/FBmiMW7VUAEDgSk.jpgzhttps://twitter.com/ndc_rm/status
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くれる職人▒{▒<a href="http://twitter.com/download/android" rel="nofollow">Twitter for Android</a>▒(&1448443989988806656▒ ▒♥IG, tiktok,youtube ☞Devin Millan
auto follow back ko ♥♥♥
cat: Unable to write to output stream.
```

****** END******