2. Flume Config file settings

```
agent1.sources = mySource
agent1.channels = channel1a channel1b
agent1.sinks = sink1a sink1b
agent1.sources.mySource.type = exec
agent1.sources.mySource.channels = channel1a channel1b
agent1.sinks.sink1a.channel = channel1a
agent1.sinks.sink1b.channel = channel1b
agent1.sources.mySource.type = spooldir
agent1.sources.mySource.spoolDir = /home/cloudera/flume/spooldir
agent1.sinks.sink1a.type = hdfs
agent1.sinks.sink1b.type = logger
agent1.channels.channel1a.type = file
agent1.channels.channel1b.type = memory
agent1.sinks.sink1a.hdfs.path = hdfs://localhost/user/cloudera/flumeOut/
agent1.sinks.sink1a.hdfs.filePrefix = apache
agent1.sinks.sink1a.hdfs.fileSuffix = .log
agent1.sinks.sink1a.hdfs.fileType = DataStream
```

Spool directory path:

/home/cloudera/flume/spooldir

HDFS Path:

/user/cloudera/flumeOut/

I have also attached the conf file into the flume folder.

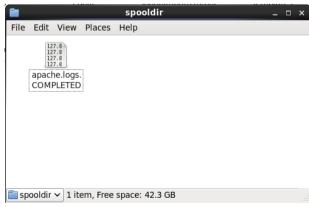
Command to start the flume agent:

flume-ng agent -n agent1 -c /home/cloudera/flume/conf/ -f /home/cloudera/flume/conf/flumeConf.conf

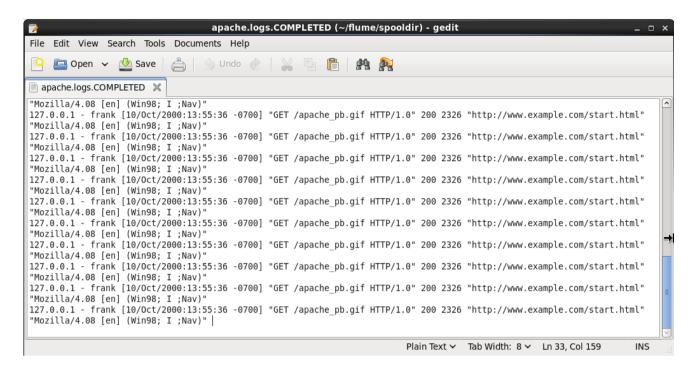
```
cloudera@quickstart:~
 [cloudera@quickstart ~]$ flume-ng agent -n agent1 -c /home/cloudera/flume/conf/ -f /home/cloudera/flume/co
nf/flumeConf.conf
 Info: Including Hadoop libraries found via (/usr/bin/hadoop) for HDFS access
 Info: Including HBASE libraries found via (/usr/bin/hbase) for HBASE access
 Info: Including Hive libraries found via () for Hive access
 + exec /usr/java/jdk1.7.0 67-cloudera/bin/java -Xmx20m -cp '/home/cloudera/flume/conf:/usr/lib/flume-ng/lib/*:/etc/hadoop/con
se/bin/../conf:/usr/java/jdk1.7.0_67-cloudera/lib/tools.jar:/usr/lib/hbase/bin/..:/usr/lib/hbase/bin/../lib/activation-1.1.ja
r:/usr/lib/hbase/bin/../lib/apacheds-i18n-2.0.0-M15.jar:/usr/lib/hbase/bin/../lib/apacheds-kerberos-codec-2.0.0-M15.jar:/usr/lib/hbase/bin/../lib/api-asn1-api-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/api-util-1.0.0-M20.jar:/usr/lib/hbase/bin/../lib/hbase/bin/../lib/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/bin/hbase/
m-3.2.jar:/usr/lib/hbase/bin/../lib/avro.jar:/usr/lib/hbase/bin/../lib/aws-java-sdk-bundle-1.11.134.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.jar:/usr/lib/hbase/bin/../lib/commons-beanutils-1.9.2.ja
   cli-1.2.jar:/usr/lib/hbase/bin/../lib/commons-codec-1.9.jar:/usr/lib/hbase/bin/../lib/commons-collections-3.2.2.jar:/usr/lib
 /hbase/bin/../lib/commons-compress-1.4.1.jar:/usr/lib/hbase/bin/../lib/commons-configuration-1.6.jar:/usr/lib/hbase/bin/../li
 b/commons-daemon-1.0.13.jar:/usr/lib/hbase/bin/../lib/commons-digester-1.8.jar:/usr/lib/hbase/bin/../lib/commons-el-1.0.jar:/
 usr/lib/hbase/bin/../lib/commons-httpclient-3.1.jar:/usr/lib/hbase/bin/../lib/commons-io-2.4.jar:/usr/lib/hbase/bin/../lib/co
 mmons-lang-2.6.jar:/usr/lib/hbase/bin/../lib/commons-logging-1.2.jar:/usr/lib/hbase/bin/../lib/commons-math-2.1.jar:/usr/lib/
hbase/bin/../lib/commons-math3-3.1.1.jar:/usr/lib/hbase/bin/../lib/commons-net-3.1.jar:/usr/lib/hbase/bin/../lib/core-3.1.1.
ar:/usr/lib/hbase/bin/../lib/curator-client-2.7.1.jar:/usr/lib/hbase/bin/../lib/curator-framework-2.7.1.jar:/usr/lib/hbase/bin/../lib/curator-recipes-2.7.1.jar:/usr/lib/hbase/bin/../lib/disruptor-3.3.0.jar:/usr/lib/hbase/bin/../lib/findbugs-annotations-1.3.9-1.jar:/usr/lib/hbase/bin/../lib/gson-2.2.4.jar:/usr/lib/hbase/bin/../lib/guava-12.0.1.jar:/usr/lib/hbase/bin/../lib/
hamcrest-core-1.3.jar:/usr/lib/hbase/bin/../lib/hbase-annotations-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-annotat
 ions-1.2.0-cdh5.13.0-tests.jar:/usr/lib/hbase/bin/../lib/hbase-client-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-com
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ples-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-external-blockcache-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hb
 ase-hadoop2-compat-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-hadoop2-compat-1.2.0-cdh5.13.0-tests.jar:/usr/lib/hbas
 e/bin/../lib/hbase-hadoop-compat-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-hadoop-compat-1.2.0-cdh5.13.0-tests.jar:
 usr/lib/hbase/bin/../lib/hbase-it-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-it-1.2.0-cdh5.13.0-tests.jar:/usr/lib/
hbase/bin/../lib/hbase-prefix-tree-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-procedure-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-protocol-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase-bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase-bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase-bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase-bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase-bin/../lib/hbase-resource-bundle-1.2.0-cdh5.13.0.jar:/usr/lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-bin/../lib/hbase-
/lib/hbase/bin/../lib/hbase-rest-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-rsgroup-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-rsgroup-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-server-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-server-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-server-1.2.0-cdh5.13.0.jar:/usr/lib/hbase
 /bin/../lib/hbase-spark-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../lib/hbase-thrift-1.2.0-cdh5.13.0.jar:/usr/lib/hbase/bin/../
 lib/high-scale-lib-1.1.1.jar:/usr/lib/hbase/bin/../lib/hsqldb-1.8.0.10.jar:/usr/lib/hbase/bin/../lib/htrace-core-3.2.0-incuba
 ting.jar:/usr/lib/hbase/bin/../lib/htrace-core4-4.0.1-incubating.jar:/usr/lib/hbase/bin/../lib/htrace-core.jar:/usr/lib/hbase
```

Now the agent will start and start observing on the **spooldir.** The file I put there is a log file and I have started adding new lines to the log file and agent starts saving the file in HDFS according to the setting.

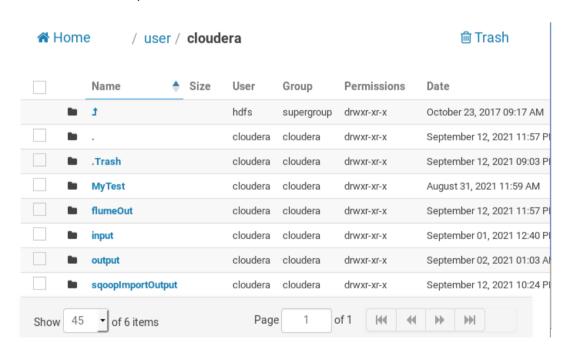
Here is the screenshot:



Start adding in the apache.logs (it was renamed while reading) file.



Flume Out Directory in HDFS – Screenshot:



File in HDFS - Screenshot

