CS286A Metadata Data Mover Installation and Usage Guide

Jialiang Gu, Haoyu Chen

This program will be run on **two separate machines**.
On each machine, clone the files under kafka repo from Github.

Package Resources and Dependencies:

- Kafka can be downloaded at: http://kafka.apache.org/downloads.html (the version we used is 0.8.2.1.)
- The files we revised from the original kafka package are located at:
  - `cs286A/dataMover/kafka/core/src/main/scala/kafka/tools/File Consumer.scala`
- In addition, the repo's files should be placed in:
  - `cs286A/dataMover/kafka/core/src/main/scala/kafka/tools/`

Runtime Instructions:

- cd into the kafka directory *(denoted here as $KAFKA>)*
- Run the following commands:
  - $KAFKA> ./gradlew jar
  - $KAFKA> ./gradlew srcJar
  - $KAFKA> bin/zookeeper-server-start.sh config/zookeeper.properties
  - $KAFKA> bin/kafka-server-start.sh config/server.properties
  - $KAFKA> bin/kafka-topics.sh --create --zookeeper localhost:2181 --replication-factor 1 --partitions 1 --topic test

On the client side, locate the file you want to write log into: (denoted here as $LOG_FILE)

- cd into the kafka directory *(denoted here as $KAFKA>)*
- $KAFKA> bin/kafka-file-consumer.sh --zookeeper localhost:2181 --topic test --output-file $LOG_FILE

On the server side:

- cd into dataMover directory *(denoted here as $DATAMOVER>)*
- $DATAMOVER> ./inotifywait.sh