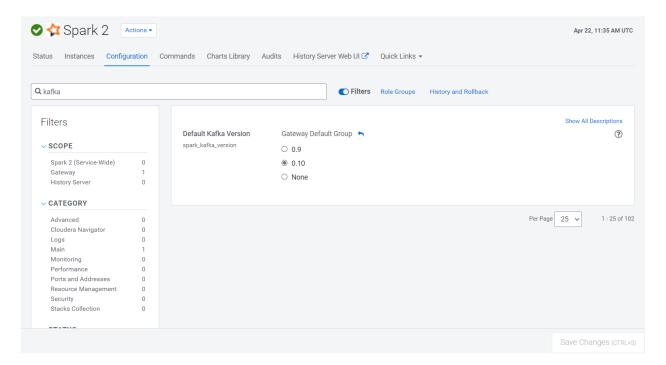
## Load data from Kafka to Hadoop

## **Commands**

**spark\_kafka\_to\_local.py** is needed to load data to Hadoop. Load this file to root level in ec2-instance.

Make sure that there exists Kafka version 0.10 inside Cloudera Manger.

If not, go to **Cloudera Manager**, click on **Spark2** service and search for Kafka configuration in it. Change 0.9 to 0.10 and save.



## Run this command in terminal

spark2-submit --packages org.apache.spark:spark-sql-kafka-0-10\_2.11:2.3.2 spark\_kafka\_to\_local.py 18.211.252.152 9092 decapstone3

After running the command, wait for a while until we see a batch table showing in the console. When we see the batch table, check if the data is correctly loaded to HDFS in another terminal using this command.

hadoop fs -cat /user/ec2-user/capstoneproject/warehouse/capstone/\*

When the data is already there, we should stop the process gracefully.

Open another terminal and use the command below to stop gracefully:

ps -ef | grep spark | grep spark\_kafka\_to\_local | awk '{print \$2}' | xargs kill -SIGTERM

## Screenshots of the data