Kafka workshop

Kafka CLI demo

ZOOKEEPERS=virtual-node01.bigdatateam.ru:2181,virtual-node02.bigdatateam.ru:2181,virtual-node03.bigdatateam.ru:2181
BROKERS=virtual-node01.bigdatateam.ru:9092,virtual-node02.bigdatateam.ru:9092,virtual-node03.bigdatateam.ru:9092,virtual-node04.bigdatateam.ru:9092,virtual-node05.bigdatateam.ru:9092

clear
kafka-topics
kafka-topics --zookeeper $ZOOKEEPERS --delete --topic test_topic
kafka-topics --zookeeper $ZOOKEEPERS --create --topic test_topic --partitions 3 --replication-factor 2
kafka-topics --zookeeper $ZOOKEEPERS --describe --topic test_topic
kafka-topics --zookeeper $ZOOKEEPERS --list

clear
kafka-console-producer
kafka-console-producer --broker-list $BROKERS --topic test_topic
HELLO WORLD

clear
kafka-console-consumer
kafka-console-consumer --zookeeper $ZOOKEEPERS --topic test_topic
kafka-console-consumer --zookeeper $ZOOKEEPERS --topic test_topic --from-beginning

<соседний терминал>
seq 1 5
seq 1 30 | kafka-console-producer --broker-list $BROKERS --topic test_topic

<возвращаемся>
clear
kafka-run-class kafka.tools.GetOffsetShell
kafka-run-class kafka.tools.GetOffsetShell --broker-list $BROKERS --topic test_topic --time -1

clear
kafka-run-class kafka.tools.SimpleConsumerShell
kafka-run-class kafka.tools.SimpleConsumerShell --broker-list $BROKERS --topic test_topic --partition 0 --offset -2
kafka-run-class kafka.tools.SimpleConsumerShell --broker-list $BROKERS --topic test_topic --partition 0 --offset -2 --print-offsets

```
kafka-run-class kafka.tools.SimpleConsumerShell --broker-list $BROKERS  --topic test_topic
--partition 0 --offset 5 --print-offsets
```

Kafka CLI

- Создать топик вида topic_{name}_{surname} (5 партиций с репликацией 3)
- Записать в него данных
- Прочитать из него данные
- Прочитать данные из партиции номер 2