KAFKA LAB

#Topic

kafka-topics.sh --create --zookeeper localhost:2181 --replication-factor 1 --partitions 1 --topic test

kafka-topics.sh --list --zookeeper localhost:2181

kafka-topics.sh --zookeeper localhost:2181 --alter --topic test --partitions 3

kafka-topics.sh --zookeeper localhost:2181 --delete --topic test

kafka-topics.sh --zookeeper localhost:2181 --list

===

Insert # before hive & Derby in the bash profile

Start the Zookeeper server first. It is a must to have a Zookeeper instance running before we actually run Kafka Broker.

You can start through the startup folder or using the following commands

Step1: start both zookeeper & kafka

./bin/zookeeper-server-start.sh config/zookeeper.properties

./bin/kafka-server-start.sh config/server.properties

Step2: Check they are up & running

(base) [bigdata@localhost ~]$ jps

2980 Kafka

12005 QuorumPeerMain

12364 Jps

Step 3:Create topic

(base) [bigdata@localhost kafka]$ ./bin/kafka-topics.sh --create --bootstrap-server localhost:9092 --replication-factor 1 --partitions 1 --topic test

Or

(base) [bigdata@localhost kafka]$ cd bin

(base) [bigdata@localhost bin]$ ./kafka-topics.sh --create --zookeeper localhost:2181 --replication-factor 1 --partitions 1 --topic test7

Created topic test7.

Step4: List current topics

(base) [bigdata@localhost bin]$ ./kafka-topics.sh --list --zookeeper localhost:2181

csptest

test

test2

test7

test9

(base) [bigdata@localhost bin]$ ./kafka-topics.sh --zookeeper localhost:2181 --alter --topic test --partitions 3

WARNING: If partitions are increased for a topic that has a key, the partition logic or ordering of the messages will be affected

Adding partitions succeeded!

Step 5: Delete a topic

(base) [bigdata@localhost bin]$ ./kafka-topics.sh --zookeeper localhost:2181 --delete --topic test

Topic test is marked for deletion.

Note: This will have no impact if delete.topic.enable is not set to true.

(base) [bigdata@localhost bin]$ ./kafka-topics.sh --zookeeper localhost:2181 --list

csptest
test2
test7
test9

(base) [bigdata@localhost bin]$ ./kafka-topics.sh --create --zookeeper localhost:2181 --replication-factor 1 --partitions 2 --topic cs
Created topic cs.
(base) [bigdata@localhost bin]$ ./kafka-topics.sh --list --zookeeper localhost:2181
cs
csptest
test2
test7
test9
(base) [bigdata@localhost bin]$ ./kafka-console-producer.sh --broker-list localhost:9092 --topic cs

(base) [bigdata@localhost bin]$ ./kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic cs --from-beginning

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(base) [bigdata@localhost bin]$ ./kafka-console-producer.sh --broker-list localhost:9092 --topic cs
>Hello
>start zk and kafka
>then create topic
>this is our first kafka lab
>end
 (base) [bigdata@localhost bin]$ ./kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic cs --from-beginning
Hello
start zk and kafka
then create topic
this is our first kafka lab
end
(base) [bigdata@localhost bin]$ ./kafka-topics.sh --create --zookeeper localhost:2181 --replication-factor 1 --partitions 2 --topic cs1
Created topic cs1.
(base) [bigdata@localhost bin]$ ./kafka-topics.sh --list --zookeeper localhost:2181
__consumer_offsets
cs
cs1
test7
(base) [bigdata@localhost bin]$ ./kafka-console-producer.sh --broker-list localhost:9092 --topic cs1

```
>Hello everyone
>This is our first kafka lab
>kafka is awesome
>good job
>end
>
(base) [bigdata@localhost bin]$ ./kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic
cs1 --from-beginning
Hello everyone
This is our first kafka lab
kafka is awesome
good job
end
```

- Stop the producer and consumer clients with Ctrl-C, if you haven't done so already.
- Stop the Kafka broker with Ctrl-C.
  ./kafka-server-stop.sh config/server.properties

- Lastly, stop the ZooKeeper server with Ctrl-C.

./zookeeper-server-stop.sh config/zookeeper.properties

If you also want to delete any data of your local Kafka environment including any events you have created along the way, run the command:

rm -rf /tmp/kafka-logs /tmp/zookeeper