

KAFKA

Create a kafka topic named KeyLessTopic.

```
given to allow fail-over.
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-topics.sh --create --topic keylesstopic --zookeeper localhost:2181 --partitions 1 --replication-factor 1
Created topic "keylesstopic".
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-topics.sh --list --zookeeper localhost:2181
keylesstopic
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-topics.sh --list --zooke
per localhost:2181
keylesstopic
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost kafka_2.12-0.10.1.1]$
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[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-topics.sh --list --zookeeper localhost:2181
keylesstopic
[acadgild@localhost kafka_2.12-0.10.1.1]$ acadgild@localhost:~/install/kafka/kafka_2.12-0.10.1.1
```

Activate Windows

Inside KeyLessTopic insert following data:

```
{"name":"John", "exp":16}
{"name":"Finn", "exp":20}
{"name":"Cylin", "exp":18}
{"name":"Mark", "exp":2}
{"name":"Akshay", "exp":14}
```

```
-----
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic keylesstopic
{"name":"John", "exp":16}
{"name":"Finn", "exp":20}
{"name":"Cylin", "exp":18}
{"name":"Mark", "exp":2}
{"name":"Akshay", "exp":14}
█
```

Task 2:

Create a console consumer that reads KeyLessTopic from beginning

```
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-consumer.sh --zookeeper localhost:2181 --topic keylesstopic --from-beginning
Using the ConsoleConsumer with old consumer is deprecated and will be removed in a future major release. Consider using the new consumer by passing [bootstrap-server]
instead of [zookeeper].
{"name":"John", "exp":16}
{"name":"Finn", "exp":20}
{"name":"Cylin", "exp":18}
{"name":"Mark", "exp":2}
{"name":"Akshay", "exp":14}

{"name":"John", "exp":16}
{"name":"Finn", "exp":20}
{"name":"Cylin", "exp":18}
{"name":"Mark", "exp":2}
{"name":"Akshay", "exp":14}
```

Task 3:

Create a kafka topic named KeyedTopic. Inside KeyedTopic insert following data:

```
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-topics.sh --create --topic keyedtopic --zookeeper localhost:2181 --partitions 1 --replication-factor 1
Created topic "keyedtopic".
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-topics.sh --list --zookeeper localhost:2181
keyedtopic
keylesstopic
[acadgild@localhost kafka_2.12-0.10.1.1]$ █ acadgild@localhost:~/install/kafka/kafka_2.12-0.10.1.1
```

The part before comma(,) should be treated as key and after comma(,) should be treated as value

```
{"name":"John"}, {"exp":16}
{"name":"Finn"}, {"exp":20}
{"name":"Cylin"}, {"exp":18}
{"name":"Mark"}, {"exp":2}
{"name":"Akshay"}, {"exp":14}
```

```
[acagdild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic keyedtopic --property parse.key=true --property key.separator=", "
{"name":"John"}, {"exp":16}
{"name":"Finn"}, {"exp":20}
{"name":"Cylin"}, {"exp":18}
{"name":"Mark"}, {"exp":2}
{"name":"Akshay"}, {"exp":14}
```

```
You have new mail in /var/spool/mail/acagdild
[acagdild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-consumer.sh --zookeeper localhost:2181 --topic keyedtopic --property print.key=true
Using the ConsoleConsumer with old consumer is deprecated and will be removed in a future major release. Consider using the new consumer by passing [bootstrap-server]
instead of [zookeeper].
{"name":"John"} {"exp":16}
{"name":"Finn"} {"exp":20}
{"name":"Cylin"} {"exp":18}
{"name":"Mark"} {"exp":2}
{"name":"Akshay"} {"exp":14}
^CProcessed a total of 5 messages
You have new mail in /var/spool/mail/acagdild
```

Task 4:

Create a console consumer that reads KeyedTopic from beginning

The key and value should be separated by '-'

```
[acagdild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-consumer.sh --zookeeper localhost:2181 --topic keyedtopic --property print.key=true --property key.separator="-"
Using the ConsoleConsumer with old consumer is deprecated and will be removed in a future major release. Consider using the new consumer by passing [bootstrap-server]
instead of [zookeeper].
{"name":"John"}-{"exp":16}
{"name":"Finn"}-{"exp":20}
{"name":"Cylin"}-{"exp":18}
{"name":"Mark"}-{"exp":2}
```

```
acagdild@localhost: ~/install/kafka/kafka_2.12-0.10.1.1
```