



# KAFKA COMMANDS

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## Creating and Managing Topics

```
#kafka-topics --bootstrap-server saibigdata.training.com:9092 --create  
--topic weblogs --partitions 3 --replication-factor 1 --if-not-exists
```

```
#kafka-topics --bootstrap-server saibigdata.training.com:9092 --list
```

```
# kafka-topics --bootstrap-server saibigdata.training.com:9092  
--topic weblogs --describe
```

## Changing the partition of a Kafka topic

```
# kafka-topics --bootstrap-server saibigdata.training.com:9092  
--alter --topic weblogs --partitions 5
```

## Change the retention time of a Kafka topic

259200000 ms = 3 days

```
# kafka-configs --bootstrap-server saibigdata.training.com:9092  
--alter --entity-type topics --entity-name weblogs --add-config  
retention.ms=259200000
```

## List Kafka topics (with configuration values) that have specific configuration overrides

```
# kafka-topics --bootstrap-server saibigdata.training.com:9092 --describe  
--topics-with-overrides
```

## Show specific Kafka topic configuration overrides

```
# kafka-topics --bootstrap-server saibigdata.training.com:9092 --describe  
--entity-type topics --entity-name weblogs
```

Note in case there are no particular property overrides for the topic this command will not show default cluster properties applied to the topic.

## Delete a Kafka topic

```
#kafka-topics --bootstrap-server saibigdata.training.com:9092 --delete  
--topic weblogs
```



## PRODUCERS AND CONSUMERS

! As we have deleted the topic earlier let us first recreate the same.

```
# kafka-topics --bootstrap-server saibigdata.training.com:9092 --create  
--topic weblogs --partitions 3 --replication-factor 1 --if-not-exists
```

Open 2 terminals on Saibigdata machine.

**In first terminal start the consumer**

```
# kafka-console-consumer --bootstrap-server  
saibigdata.training.com:9092 --topic weblogs
```

**In second terminal start the producer**

**Produce a message to a Kafka topic**

```
# kafka-console-producer --bootstrap-server  
saibigdata.training.com:9092 --topic weblogs
```

### Note

- Type in a message and press enter to publish it the topic
- Go to consumer terminal and check the message coming
- Repeat the same step to publish more messages
- Press Ctrl+C to exit from both the terminals.

**Produce messages to a Kafka topic from a file**

Create a file topic-input.txt (make sure each message is on a new line):

Iam learning kafka

Kafka is a messaging system

Kafka can retain data

Kafka has fault tolerance

```
# kafka-console-producer --broker-list saibigdata.training.com:9092  
--topic weblogs < topic-input.txt
```

**Consume a Kafka topic from the beginning**

```
# kafka-console-consumer --bootstrap-server saibigdata.training.com:9092  
--topic weblogs --from-beginning
```