

Kafka Broker Cheatsheet

Connect

```
kafka-console-consumer.sh --bootstrap-server  
<broker>:<port> --topic <topic>
```

Connect to consume messages from a topic

```
kafka-console-producer.sh --broker-list  
<broker>:<port> --topic <topic>
```

Connect to produce messages to a topic

Topics

```
kafka-topics.sh --bootstrap-server <broker>:<port>  
--list
```

List all topics

```
kafka-topics.sh --bootstrap-server <broker>:<port>  
--create --topic <topic> --partitions <num> --  
replication-factor <num>
```

Create a new topic

```
kafka-topics.sh --bootstrap-server <broker>:<port>  
--describe --topic <topic>
```

Show topic details

```
kafka-topics.sh --bootstrap-server <broker>:<port>  
--delete --topic <topic>
```

Delete a topic

Consumers

```
kafka-consumer-groups.sh --bootstrap-server  
<broker>:<port> --list
```

List all consumer groups

```
kafka-consumer-groups.sh --bootstrap-server  
<broker>:<port> --describe --group <group>
```

Describe consumer group

```
kafka-consumer-groups.sh --bootstrap-server  
<broker>:<port> --reset-offsets --to-earliest --  
execute --group <group> --topic <topic>
```

Reset consumer group offsets

Messages

```
kafka-console-consumer.sh --bootstrap-server  
<broker>:<port> --topic <topic> --from-beginning
```

Consume all messages from beginning

```
kafka-console-consumer.sh --bootstrap-server  
<broker>:<port> --topic <topic> --max-messages  
<num>
```

Consume limited number of messages

```
kafka-console-consumer.sh --bootstrap-server  
<broker>:<port> --topic <topic> --property  
print.key=true --property print.timestamp=true
```

Consume messages with keys and timestamps

Configurations

```
kafka-configs.sh --bootstrap-server <broker>:<port>  
--entity-type topics --entity-name <topic> --  
describe
```

Describe topic configuration

```
kafka-configs.sh --bootstrap-server <broker>:<port>  
--entity-type topics --entity-name <topic> --alter --  
add-config <key>=<value>
```

Update topic configuration

```
kafka-configs.sh --bootstrap-server <broker>:<port>  
--entity-type brokers --entity-name <broker_id> --  
describe
```

Describe broker configuration

Monitoring

```
kafka-topics.sh --bootstrap-server <broker>:<port>  
--describe --topic __consumer_offsets
```

Inspect consumer offsets topic

```
kafka-consumer-groups.sh --bootstrap-server  
<broker>:<port> --all-groups --describe --state
```

Show state of all consumer groups

```
kafka-run-class.sh  
kafka.admin.ConsumerGroupCommand --  
bootstrap-server <broker>:<port> --describe --  
group <group>
```

Detailed consumer group information