

How to Reset Kafka Consumer Group Offset

 [how_to_reset_kafka_consumer_group_offset.md](#)

Kafka 0.11.0.0 (Confluent 3.3.0) added support to manipulate offsets for a consumer group via cli `kafka-consumer-groups` command.

1. List the topics to which the group is subscribed

```
kafka-consumer-groups --bootstrap-server <kafkahost:port> --group <group_id> --describe
```

Note the values under "CURRENT-OFFSET" and "LOG-END-OFFSET". "CURRENT-OFFSET" is the offset where this consumer group is currently at in each of the partitions.

2. Reset the consumer offset for a topic (preview)

```
ups --bootstrap-server <kafkahost:port> --group <group_id> --topic <topic_name> --reset-offsets --to-earliest
```

This will print the expected result of the reset, but not actually run it.

3. Reset the consumer offset for a topic (execute)

```
bootstrap-server <kafkahost:port> --group <group_id> --topic <topic_name> --reset-offsets --to-earliest --execute
```

This will execute the reset and reset the consumer group offset for the specified topic back to 0.

4. Repeat 1 to check if the reset is successful

Note

- The consumer group must have no running instance when performing the reset. Otherwise the reset will be rejected.
- There are many other resetting options, run `kafka-consumer-groups` for details
 - `--shift-by <positive_or_negative_integer>`
 - `--to-current`
 - `--to-latest`
 - `--to-offset <offset_integer>`
 - `--to-datetime <datetime_string>`
 - `--by-duration <duration_string>`
- The command also provides an option to reset offsets for all topics the consumer group subscribes to: `--all-topics`



daniilyar commented on Feb 22, 2018 • edited ▼

For ones who want to do the same for Kafka 0.10 you may download Kafka 1.0 binaries which include the script with this new offset reset capabilities, it will work for Kafka 0.10 as well: