

## (2303.022.KHI.DEG) ASSIGNMNET 4.2

## Create a topic.

```
(base) talhahkhan@all-MS-7035:~/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker compose exec broker kafka-topics --create --topic talha_topic events
--bootstrap-server broker:9092
WARNING: Due to limitations in metric names, topics with a period '.' or underscore '_' could collide. To avoid issues it is best to use either, but not both.
Created topic talha_topic.
```

```
(base) muhammadnoizkhan@all-MS-7D35: ~/Desktop/Data Engineering Bootcamp/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka
[+] Runnig 2/6
✓ container zookeeper Running 5.0s
✓ container broker Running 0.8s
(base) muhammadnoizkhan@all-MS-7D35:~/Desktop/Data Engineering Bootcamp/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker compose up -d
p1cs --create --topic rameez-topic events --bootstrap-server broker:9092
Created topic rameez-topic.
(base) muhammadnoizkhan@all-MS-7D35:~/Desktop/Data Engineering Bootcamp/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker compose exec broker kafka-to
p1cs --create --topic rameez-khan-topic events --bootstrap-server broker:9092
Created topic rameez-khan-topic.
(base) muhammadnoizkhan@all-MS-7D35:~/Desktop/Data Engineering Bootcamp/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker compose exec broker kafka-to
p1cs --create --topic m-rameez-khan-topic events --bootstrap-server broker:9092
Created topic m-rameez-khan-topic.
```

Inspect one of them to see the number of partitions.

```
(base) talhakhangali@MS-7D35:~/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker compose exec broker kafka-topics --bootstrap-server broker:9092 --describe --topic talha_topic
```

Topic: talha_topic	TopicId: ISCU7XYSTbenOdIQwn9xag	PartitionCount: 1	ReplicationFactor: 1	Configs:
Topic: talha_topic	Partition: 0	Leader: 1	Replicas: 1	Isr: 1

```
(base) muhmadnolizkhan@all-MS-7035:~/Desktop/Data_Engineering_Bootcamp/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker compose exec broker kafka-to-pics --bootstrap-server broker:9092 --describe --topic rameez-topic
Topic: rameez-topic      TopicId: pp3q9pH1RnZQ8CnT9_nvQ PartitionCount: 1      ReplicationFactor: 1      Configs:
Topic: rameez-topic      Partition: 0      Leader: 1      Replicas: 1      Isr: 1

(base) muhmadnolizkhan@all-MS-7035:~/Desktop/Data_Engineering_Bootcamp/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker compose exec broker kafka-to-pics --bootstrap-server broker:9092 --describe --topic rameez-khan-topic
Topic: rameez-khan-topic TopicId: FyFVWnU8TzzyB8SjdxADw PartitionCount: 1      ReplicationFactor: 1      Configs:
Topic: rameez-khan-topic Partition: 0      Leader: 1      Replicas: 1      Isr: 1

(base) muhmadnolizkhan@all-MS-7035:~/Desktop/Data_Engineering_Bootcamp/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker compose exec broker kafka-to-pics --bootstrap-server broker:9092 --describe --topic m-rameez-khan-topic
Topic: m-rameez-khan-topic TopicId: TL7nB5jkT2-d1Ln7svnjJA PartitionCount: 1      ReplicationFactor: 1      Configs:
Topic: m-rameez-khan-topic Partition: 0      Leader: 1      Replicas: 1      Isr: 1
```

List Kafka topics.

```
(base) talhakhangall@MS-7035: /data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker compose exec broker kafka-topics --bootstrap-server broker:9092 --list
Consumer offsets
events
talha_topic
(base) talhakhangall@MS-7035: /data_engineering_bootcamp_2303/tasks/4_microservi(base) talhakhangall@MS-7035: /data_engineering_bootcamp_2303/tasks/4_microservi(base) talhakhangall@MS-7035: /data_engineer
(base) talhakhangall@MS-7035: /data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing(base) talhakhangall@MS-7035: /data_engineering_bootcamp_2303/tasks/4_microservi(base) t
(base) talhakhangall@MS-7035: /data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$
```

```
(base) nuhmadm01zkhan@all-MS-7035:~/Desktop/Data_Engineering_Bootcamp/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker compose exec broker kafka-topics --bootstrap-server broker:9092 --list
M_Moiz_Khan_topic
moiz-topic
moiz_khan-topic
moiz_khan_topic
moiz_topic
m-rameez-khan-topic
m_moiz_khan_topic
moiz_khan_topic
moiz_topic
```

