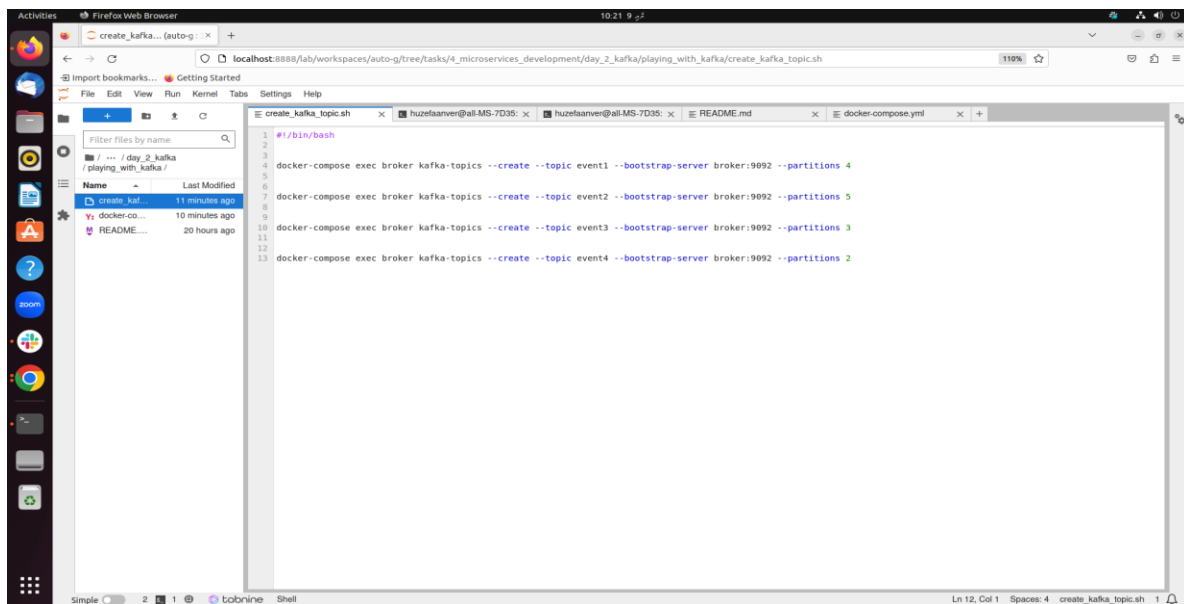


Members

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Create_kafka_topic.sh



```
1 #!/bin/bash
2
3 docker-compose exec broker kafka-topics --create --topic event1 --bootstrap-server broker:9092 --partitions 4
4
5 docker-compose exec broker kafka-topics --create --topic event2 --bootstrap-server broker:9092 --partitions 5
6
7 docker-compose exec broker kafka-topics --create --topic event3 --bootstrap-server broker:9092 --partitions 3
8
9 docker-compose exec broker kafka-topics --create --topic event4 --bootstrap-server broker:9092 --partitions 2
```

In this create_kafka_topic.sh file, bash commands were added to create multiple topics event1, even2...

With their own specified partitions.

The screenshot shows a VS Code editor with a terminal window open. The terminal displays the following commands and output:

```
huzefaamver@all-MS-7035:~/Desktop/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker compose up -d
[*] Running 3/3
✓ Network playing_with_kafka_default Created
✓ Container zookeeper Started
✓ Container broker Started
huzefaamver@all-MS-7035:~/Desktop/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED        STATUS        PORTS
adaab22d344        confluentinc/cp-kafka:7.0.1   "/etc/confluent/dock-"   3 seconds ago   Up 2 seconds   0.0.0.0:9092->9092/tcp, :::9092->9092/tcp   broker
4a81fba4d84e        confluentinc/cp-zookeeper:7.0.1   "/etc/confluent/dock-"   3 seconds ago   Up 2 seconds   2181/tcp, 2888/tcp, 3888/tcp               zookeeper
huzefaamver@all-MS-7035:~/Desktop/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ ./create_kafka_topic.sh
Created topic event1.
Created topic event2.
Created topic event3.
Created topic event4.
huzefaamver@all-MS-7035:~/Desktop/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker-compose exec broker kafka-topics --list --bootstrap-server broker:9092
event1
event2
event3
event4
huzefaamver@all-MS-7035:~/Desktop/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$ docker-compose exec broker kafka-topics --describe
Topic: event4 TopicId: S0k2ESxbRMyZpHwJ9H9A PartitionCount: 2 ReplicationFactor: 1 Configs:
  Topic: event4 Partition: 0 Leader: 1 Replicas: 1 Isr: 1
  Topic: event4 Partition: 1 Leader: 1 Replicas: 1 Isr: 1
huzefaamver@all-MS-7035:~/Desktop/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_2_kafka/playing_with_kafka$
```

Here we are running some commands on the terminal to perform the following operations

`docker compose up -d`:

will search for the `docker-compose.yml` file and run the containers with the defined properties

`docker ps`:

will show all the containers running

`./create_kafka_topic.sh`:

will run the `create_kafka_topic.sh` in the current directory and will run all the bash commands we specified in the file (which are shown above).

`docker-compose exec broker kafka-topics --list --bootstrap-server broker:9092`:

Will run `kafka-topics` command inside broker container which we specified in the docker compose file and will list all the created topics

```
docker-compose exec broker kafka-topics --describe --topic event4 --bootstrap-server  
broker:9092:
```

Will list the partitions, leader, replicas and ISR, of the specified topic which in our case is event4