1)first download image then extract (KAFKA\_SET\_UP)

2)download WSL Ubuntu

3)download docker

3.1)setting 🡪 check use WSL …. 🡪Apply & restart

3.2) Resources 🡪WSL integration 🡪check Ubuntu

**Open WSL to put kafka image on WSL**

1. mv /mnt/path/ KAFKA\_SET\_UP ~/ KAFKA

**Running Kafka on Development Environment**

**Check Docker is up and running**

docker version

docker ps

docker images

A screenshot of a computer

AI-generated content may be incorrect.

**Start the stack**

docker compose -f dc.yaml up -d

# check the health of the containers

docker ps

# check logs for kafka broker

docker logs -f broker

A screen shot of a computer

AI-generated content may be incorrect.

Topics Management

**Creating topic**

**Points to be covered:--replication-factor**

**How to define the partitions number**

docker exec broker env -u KAFKA\_OPTS kafka-topics --create --topic test-topic --bootstrap-server broker:9092 --partitions 3 --replication-factor 1

**check**

docker exec broker env -u KAFKA\_OPTS kafka-topics --list --bootstrap-server broker:9092

docker exec broker env -u KAFKA\_OPTS kafka-topics --bootstrap-server broker:9092 --describe --topic test-topic

docker exec -it broker env -u KAFKA\_OPTS kafka-console-producer --bootstrap-server broker:9092 --topic test-topic

docker exec -it broker env -u KAFKA\_OPTS kafka-console-consumer --bootstrap-server broker:9092 --topic test-topic

Screenshot of a computer screen

AI-generated content may be incorrect.