1. Installation de Kafka (via docker)

docker-compose.yml

```
version: '3.4'
#NB: -port: host_port:container_port

networks:
  kafka-net:
    driver: bridge
  mynetwork:
    external: true

services:
  zookeeper:
    image: bitnami/zookeeper:latest
    container_name: zookeeper
    restart: always
    networks:
      - kafka-net
    environment:
      ALLOW_ANONYMOUS_LOGIN: 'yes'
    ports:
      - 2181:2181
      - 8888:8080

  kafka:
    image: bitnami/kafka:latest
    container_name: kafka
    restart: always
    networks:
      - kafka-net
      - mynetwork
    depends_on:
      - zookeeper
    ports:
      - 9092:9092
    environment:
      KAFKA_BROKER_ID: 1
      KAFKA_CFG_LISTENERS: PLAINTEXT://:9092
      KAFKA_CFG_ADVERTISED_LISTENERS: PLAINTEXT://127.0.0.1:9092
      KAFKA_CFG_ZOOKEEPER_CONNECT: zookeeper:2181
      ALLOW_PLAINTEXT_LISTENER: 'yes'
```

at first start

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cd /vagrant

cd conf-docker

cd kafka

sh ./docker-compose-up-bg.sh

docker image ls

```
REPOSITORY        TAG      IMAGE ID      CREATED      SIZE
bitnami/zookeeper   latest   892c866d8ff3   6 days ago   522MB
bitnami/kafka      latest   f89ec27130ef   7 days ago   565MB
```

docker container ls

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kafka url:

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outside vm:

localhost:9092