

# Install Kafka on Linux

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- step 1. Download Apache Kafka from [kafka.apache.org](https://kafka.apache.org).
  - [https://www.apache.org/dyn/closer.cgi?path=/kafka/2.7.0/kafka\\_2.13-2.7.0.tgz](https://www.apache.org/dyn/closer.cgi?path=/kafka/2.7.0/kafka_2.13-2.7.0.tgz)
- step 2. Extract the files using "tar" tool like 7zip in \$HOME directory.

```
tar xvf kafka_2.13-2.7.0.tgz
```

- step 3. In ~/.bashrc set KAFKA\_HOME and PATH variable.

```
export KAFKA_HOME=$HOME/kafka_2.13-2.7.0
export PATH=$KAFKA_HOME/bin:$PATH
```

- step 4. In kafka\_2.13-2.7.0\config\server.properties set log directory.
  - Uncomment line: listeners=PLAINTEXT://:9092
  - Note that by default all logs are stored in /tmp. Set log.dirs to appropriate directory to persist the logs.
- step 5. On terminal 1 go to directory kafka\_2.13-2.7.0 and start zookeeper server (do not close/terminate this window).

```
zookeeper-server-start.sh .\config\zookeeper.properties
```

- step 6. On terminal 2 go to directory kafka\_2.13-2.7.0 and start kafka server. (do not close/terminate this window).

```
kafka-server-start.sh .\config\server.properties
```

- **step 7.** On terminal 3 go to directory kafka\_2.13-2.7.0 and create kafka topic for testing.

```
kafka-topics.sh --zookeeper localhost:2181 --create --topic kafkatest --
replication-factor 1 --partitions 1

kafka-topics.sh --zookeeper localhost:2181 --list
```

- step 8. On terminal 3 go to directory kafka\_2.13-2.7.0 and listen for message using kafka-console-consumer.

```
kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic  
kafkatest
```

- step 9. On terminal 4 go to directory kafka\_2.13-2.7.0 and send messages using kafka-console-producer.

```
kafka-console-producer.sh --broker-list localhost:9092 --topic kafkatest
```

- step 10. Send arbitrary messages from kafka-console-producer and check if they are received by kafka-console-consumer.
- step 11. Close producer, consumer, kafka server and zookeeper in sequence (press Ctrl+C to close each).