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# 01: Getting started with Apache Kafka on Mac tutorial

Posted on February 14, 2019

Prerequisite This tutorial assumes that Java 8 is installed. You check this with

```
$ java -version
```

```
openjdk version "1.8.0_202"
OpenJDK Runtime Environment (AdoptOpenJDK)(build 1
OpenJDK 64-Bit Server VM (AdoptOpenJDK)(build 25.20
```

If Java is not installed, you can install it on Mac with:

```
$ brew tap AdoptOpenJDK/openjdk
```

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```
$ brew cask install adoptopenjdk8
```

Note: If you are using windows, use ***.bat** files instead of "***.ksh**" in steps shown below. Replace "/" with "\" on the DOS terminal.

Step 1: Install Kafka in "**/usr/local**". [on windows: c:/tools ]

```
$ cd /usr/local
$ sudo wget http://apache.mirror.amaze.com.au/kafk
$ sudo tar -xzvf kafka_2.11-2.1.0.tgz
$ sudo -R chgrp john:admin kafka_2.11-2.1.0   #joh
$ cd kafka_2.11-2.1.0

```

Kafka & internal zookeeper will be installed in the folder "**/usr/local/kafka_2.11-2.1.0**"

Step 2: Start zookeeper from "/usr/local/kafka_2.11-2.1.0".

```
/usr/local/kafka_2.11-2.1.0]$ ./bin/zookeeper-serv

```

The zookeeper will be running on "**localhost:2181**"

Step 3: Open a new terminal window and start kafka.

```
$ cd /usr/local/kafka_2.11-2.1.0
/usr/local/kafka_2.11-2.1.0]$ ./bin/kafka-server-s

```

The Kafka server will be running on "**localhost:9092**". You can verify this with

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```
telnet localhost 9092
Trying ::1...
Connected to localhost.
Escape character is '^]'.
```

Step 4: Open a new terminal window and create a new **topic** named “test”.

```
$ cd /usr/local/kafka_2.11-2.1.0
/usr/local/kafka_2.11-2.1.0]$ ./bin/kafka-topics.s

```

Step 5: Open a new terminal window and create a **producer**.

```
$ cd /usr/local/kafka_2.11-2.1.0
/usr/local/kafka_2.11-2.1.0]$ ./bin/kafka-console-
>

```

You will get a prompt “**>**” where you can type messages to be sent to the Kafka topic.

Step 6: Open a new terminal window and create a **consumer**.

```
$ cd /usr/local/kafka_2.11-2.1.0
/usr/local/kafka_2.11-2.1.0]$ ./bin/kafka-console-

```

## Send & Receive messages

Now if you send any text message from the terminal where producer was started, you will see that message in the consumer terminal.

For example:

## Producer:

```
>test message 1
>test message 2
>

```

## Consumer:

```
test message 1
test message 2

```

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