Apache Kafka – Single node cluster setup in Windows

# Install and start Zookeeper server

## Checkout this post

<https://medium.com/@shaaslam/installing-apache-zookeeper-on-windows-45eda303e835>

# Install and start Kakfa services

## Checkout this post

<https://medium.com/@shaaslam/installing-apache-kafka-on-windows-495f6f2fd3c8>

## Configuration changes

### Kafka server’s port (Single node cluster).

* Uncomment the following line in "D:\kafka\config\server.properties"

**listeners=PLAINTEXT://:9092**

### To insert data to producer via a local file

* “.\config\connect-standalone.properties” – Set a valid file path in line –

**offset.storage.file.filename=D:\\kafka\\tmp\\connect.offsets**

* “.\config\connect-file-source.properties” – Set a reasonable value between 10 to 150 and valid file path where data is located.

**tasks.max=150**

**file=D:\\Data\\log1**

## Commands

### Start Kafka Server

.\bin\windows\kafka-server-start.bat .\config\server.properties

### Create Topic

.\bin\windows\kafka-topics.bat --create --zookeeper localhost:2181 --replication-factor 1 --partitions 1 --topic sql-insert

### Start a Producer (Console provided by Kafka)

.\bin\windows\kafka-console-producer.bat --broker-list localhost:9092 --topic sql-insert

### Start a Consumer (Console provided by Kafka)

.\bin\windows\kafka-console-consumer.bat --bootstrap-server localhost:**9092** --topic sql-insert

### Insert to Kafka topic from a file

.\bin\windows\connect-standalone.bat .\config\connect-standalone.properties .\config\connect-file-source.properties