Kafka - Notes  
  
Pre-requisite

Install JAVA for windows if not installed

<https://www.oracle.com/java/technologies/downloads/#jdk18-windows>

1. [Apache Kafka](https://kafka.apache.org/downloads) download – Donalod at the following location c:/Kafka

After downloading kafka, got to the following location C:\Kafka\config  
  
 Update the server.properties file by adding your machine IP in the listener for broker and controller

A screenshot of a computer

Description automatically generated with medium confidence

1..\bin\windows\zookeeper-server-start.bat .\config\zookeeper.properties

Text

Description automatically generated

1. .\bin\windows\kafka-server-start.bat .\config\server.properties
2. .\bin\windows\kafka-topics.bat --create --topic tutorialspedia --bootstrap-server localhost:9092

Text

Description automatically generated

1. .\bin\windows\kafka-console-producer.bat --broker-list localhost:9092 --topic TestTopic123456
2. .\bin\windows\kafka-console-consumer.bat --bootstrap-server localhost:9092 --topic TestTopic123456

OR   
.\bin\windows\kafka-console-consumer.bat --bootstrap-server localhost:9092 --from-beginning --topic tutorial02 --partition 0

1. Subscribe to multiple topics

.\bin\windows\kafka-console-consumer.bat --bootstrap-server localhost:9092 --whitelist '.\*'

1. Removing the old messages from the logs

Graphical user interface, application

Description automatically generated

Text

Description automatically generated

A picture containing text

Description automatically generated

Graphical user interface

Description automatically generated with low confidence

Message offset FIF0, if a new message must be sent it will have to be appended

A picture containing diagram

Description automatically generated

Text

Description automatically generated

Diagram

Description automatically generated

Graphical user interface, application, Word

Description automatically generated  
Zookeeper

Timeline

Description automatically generated with medium confidence

Retention policy

Graphical user interface, application

Description automatically generated

Command Helper

# Run zookeeper and kafka in Windows command prompt

### zookeeper

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

### Kafka

.\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 TestTopic123456

### Describe Topic

.\bin\windows\kafka-topics.bat --bootstrap-server localhost:9092 --describe --topic TestTopic123456

### list topic

.\bin\windows\kafka-topics.bat --list --zookeeper localhost:2181

.\bin\windows\kafka-topics.bat --list --bootstrap-server localhost:9092

### Send messages

.\bin\windows\kafka-console-producer.bat --broker-list localhost:9092 --topic TestTopic123456

.\bin\windows\kafka-console-producer.bat --bootstrap-server localhost:9092 --topic TestTopic123456

### Consume messages

.\bin\windows\kafka-console-consumer.bat --bootstrap-server localhost:9092 --topic TestTopic123456 --from-beginning

.\bin\windows\kafka-console-consumer.bat --bootstrap-server localhost:9092 --topic TestTopic123456

### Consume List

.\bin\windows\kafka-consumer-groups.bat --list --bootstrap-server localhost:9092

### describe consumer-groups

.\bin\windows\kafka-consumer-groups.bat --bootstrap-server localhost:9092 --describe --group NewApp2

# Install and run Zookeeper and Kafka via [NSSM](https://nssm.cc/download) using powershell

### Get all service list installed vis NSSM

Get-WmiObject win32\_service | ?{$\_.PathName -like '\*nssm\*'} | select Name, DisplayName, State, PathName

### Install zookeeper

.\nssm.exe install zookeeper C:\kafka\bin\windows\zookeeper-server-start.bat C:\kafka\config\zookeeper.properties

### Start zookeeper

.\nssm.exe start zookeeper

### Install kakfa

.\nssm.exe install kafka C:\kafka\bin\windows\kafka-server-start.bat C:\kafka\config\server.properties

### Start kafka

.\nssm.exe start kafka