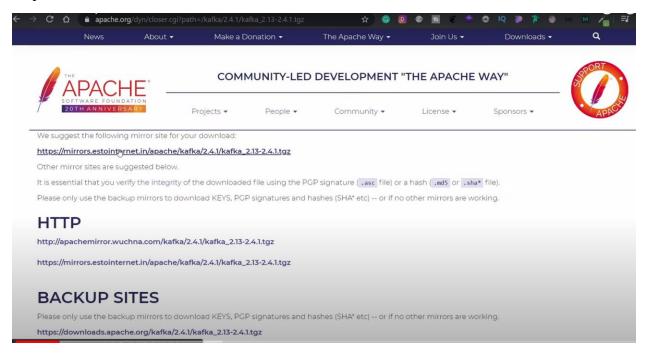
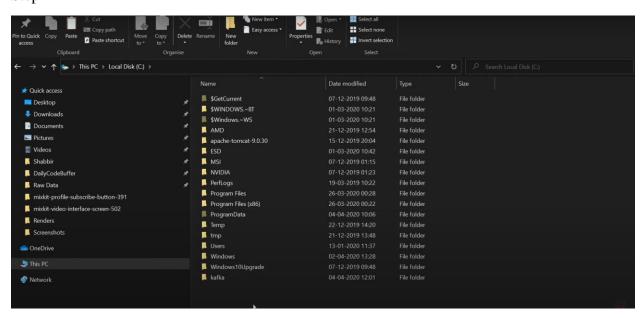
Big Data Assigment#3

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Step1



Step2



Step3 Change Kafka Server Proties

```
#advertised.listeners=PLAINTEXT://your.host.name:9092
# Maps listener names to security protocols, the default is for them to be the same. See the config documentation for more details
#listener.security.protocol.map=PLAINTEXT:PLAINTEXT,SSL:SSL,SASL_PLAINTEXT;SASL_PLAINTEXT,SASL_SSL_SSL_SSL_SSL
# The number of threads that the server uses for receiving requests from the network and sending responses to the network
# The number of threads that the server uses for processing requests, which may include disk I/O
# The send buffer (SO_SNDBUF) used by the socket server
socket.send.buffer.bytes=102400
# The receive buffer (SO_RCVBUF) used by the socket server
socket.receive.buffer.bytes=102400
# The maximum size of a request that the socket server will accept (protection against OOM)
socket.request.max.bytes=104857600
# A comma separated list of directories under which to store log files
log.dirs=/kafka-logs
# The default number of log partitions per topic. More partitions allow greater
# parallelism for consumption, but this will also result in more files across
# the brokers.
num.partitions=1
# The number of threads per data directory to be used for log recovery at startup and flushing at shutdown. # This value is recommended to be increased for installations with data dirs located in RAID array.
num.recovery.threads.per.data.dir=1
```

Step 4 Change Zookeeper Properties

```
# Licensed to the Apache Software Foundation (ASF) under one or more
# contributor license agreements. See the NOTICE file distributed with
# this work for additional information regarding copyright ownership.
# The ASF licenses this file to You under the Apache License, Version 2.0
# (the "License"); you may not use this file except in compliance with
# the License. You may obtain a copy of the License at
     http://www.apache.org/licenses/LICENSE-2.0
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.
# the directory where the snapshot is stored.
dataDir=c:/kafka/zookeeper-data
# the port at which the clients will connect
clientPort=2181
# disable the per-ip limit on the number of connections since this is a non-production config
maxClientCnxns=0
# Disable the adminserver by default to avoid port conflicts.
# Set the port to something non-conflicting if choosing to enable this
admin.enableServer=false
# admin.serverPort=8080
```

```
C:\kafka>.\bin\windows\zookeeper-server-start.bat .\config\zookeeper.p
roperties
```

```
10s sessionless connection timeout, 2 selector thread(s), 24 worker threads, and 64 kB direct buffers. (org.apache.zookeeper.server.NIOServerCnxnFactory)
[2020-04-04 12:07:09,207] INFO binding to port 0.0.0.0/0.0.0:2181 (org.apache.zookeeper.server.NIOServerCnxnFactory)
[2020-04-04 12:07:09,220] INFO zookeeper.snapshotSizeFactor = 0.33 (org.apache.zookeeper.server.ZKDatabase)
[2020-04-04 12:07:09,223] INFO Snapshotting: 0x0 to c:\kafka\zookeeper-data\version-2\snapshot.0 (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2020-04-04 12:07:09,226] INFO Snapshotting: 0x0 to c:\kafka\zookeeper-data\version-2\snapshot.0 (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2020-04-04 12:07:09,244] INFO Using checkIntervalMs=60000 maxPerMinute=10000 (org.apache.zookeeper.server.ContainerManager)
```

Step 6 Start Kafka

```
C:\kafka>.\bin\windows\kafka-server-start.bat .\config\server.properti
es

[2020-04-04 12:08:34,340] INFO Registered kafka:type=kafka.Log4jContro
ller MBean (kafka.utils.Log4jControllerRegistration$)

[2020-04-04 12:08:34,642] INFO starting (kafka.server.KafkaServer)

[2020-04-04 12:08:34,643] INFO Connecting to zookeeper on localhost:21
81 (kafka.server.KafkaServer)

[2020-04-04 12:08:34,658] INFO [ZooKeeperClient Kafka server] Initiali
zing a new session to localhost:2181. (kafka.zookeeper.ZooKeeperClient
)
```

```
C:\kafka>.\bin\windows\kafka-topics.bat --create --zookeeper localhost
:2181 --replication-factor 1 --partitions 1 --topic TestTopic
Created topic TestTopic.

C:\kafka>.\bin\windows\kafka-topics.bat --create --zookeeper localhost
:2181 --replication-factor 1 --partitions 1 --topic NewTopic
Created topic NewTopic.

C:\kafka>.\bin\windows\kafka-topics.bat --list --zookeeper localhost:2
181
NewTopic
TestTopic

C:\kafka>_

C:\kafka>_
```

Step 7 System message Work on TestTopic

```
C:\kafka>.\bin\windows\kafka-console-producer.bat --broker-list localh
ost:9092 --topic TestTopic
>Test INput data
>New data
>Welcome to Daily Code Buffer!
>Happy Learning!!!
>-
```

Step8 Run the TestTopic on consumer

```
C:\kafka>.\bin\windows\kafka-console-consumer.bat --bootstrap-server localhost:9092 --topic TestTopic --from-beginning
Test INput data
New data
Welcome to Daily Code Buffer!
Happy Learning!!!
```