

ARHAN DASMUNSHI-WEEK5-WEBAPI SCREENSHOT

1.

```
Command Prompt - zookeeper x + -
[2025-07-14 18:26:06,047] INFO Using org.apache.zookeeper.server.NIOServerCnxnFactory as server connection factory (org.apache.zookeeper.server.ServerCnxnFactory)
[2025-07-14 18:26:06,047] WARN maxCnxns is not configured, using default value 0. (org.apache.zookeeper.server.ServerCnxnFactory)
[2025-07-14 18:26:06,047] INFO Configuring NIO connection handler with 10s sessionless connection timeout, 2 selector thread(s), 16 worker threads, and 64 kB direct buffers. (org.apache.zookeeper.server.NIOServerCnxnFactory)
[2025-07-14 18:26:06,110] INFO binding to port 0.0.0.0/0.0.0.0:2181 (org.apache.zookeeper.server.NIOServerCnxnFactory)
[2025-07-14 18:26:06,143] INFO Using org.apache.zookeeper.server.watch.WatchManager as watch manager (org.apache.zookeeper.server.watch.WatchManagerFactory)
[2025-07-14 18:26:06,143] INFO Using org.apache.zookeeper.server.watch.WatchManager as watch manager (org.apache.zookeeper.server.watch.WatchManagerFactory)
[2025-07-14 18:26:06,143] INFO zookeeper.snapshotSizeFactor = 0.33 (org.apache.zookeeper.server.ZKDatabase)
[2025-07-14 18:26:06,144] INFO zookeeper.commitLogCount=500 (org.apache.zookeeper.server.ZKDatabase)
[2025-07-14 18:26:06,153] INFO zookeeper.snapshot.compression.method = CHECKED (org.apache.zookeeper.server.persistence.SnapStream)
[2025-07-14 18:26:06,153] INFO Snapshotting: 0x0 to \tmp\zookeeper\version-2\snapshot.0 (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2025-07-14 18:26:06,158] INFO Snapshot loaded in 14 ms, highest zxid is 0x0, digest is 1371985504 (org.apache.zookeeper.server.ZKDatabase)
[2025-07-14 18:26:06,160] INFO Snapshotting: 0x0 to \tmp\zookeeper\version-2\snapshot.0 (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2025-07-14 18:26:06,162] INFO Snapshot taken in 1 ms (org.apache.zookeeper.server.ZooKeeperServer)
[2025-07-14 18:26:06,173] INFO PrepRequestProcessor (sid:0) started, reconfigEnabled=false (org.apache.zookeeper.server.PrepareRequestProcessor)
[2025-07-14 18:26:06,173] INFO zookeeper.request_throttler.shutdownTimeout = 10000 ms (org.apache.zookeeper.server.RequestThrottler)
[2025-07-14 18:26:06,201] INFO Using checkIntervalMs=60000 maxPerMinute=10000 maxNeverUsedIntervalMs=0 (org.apache.zookeeper.server.ContainerManager)
[2025-07-14 18:26:06,201] INFO ZooKeeper audit is disabled. (org.apache.zookeeper.audit.ZKAuditProvider)
[2025-07-14 18:30:45,358] INFO Creating new log file: log.1 (org.apache.zookeeper.server.persistence.FileTxnLog)
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2.

```
Command Prompt - kafka-ser x + -
)
[2025-07-14 18:37:12,030] INFO [GroupMetadataManager brokerId=0] Finished loading offsets and group metadata from __consumer_offsets-12 in 18 milliseconds for epoch 0, of which 18 milliseconds was spent in the scheduler. (kafka.coordinator.group.GroupMetadataManager)
[2025-07-14 18:37:12,030] INFO [GroupMetadataManager brokerId=0] Finished loading offsets and group metadata from __consumer_offsets-21 in 18 milliseconds for epoch 0, of which 18 milliseconds was spent in the scheduler. (kafka.coordinator.group.GroupMetadataManager)
[2025-07-14 18:37:12,031] INFO [GroupMetadataManager brokerId=0] Finished loading offsets and group metadata from __consumer_offsets-36 in 18 milliseconds for epoch 0, of which 17 milliseconds was spent in the scheduler. (kafka.coordinator.group.GroupMetadataManager)
[2025-07-14 18:37:12,031] INFO [GroupMetadataManager brokerId=0] Finished loading offsets and group metadata from __consumer_offsets-6 in 17 milliseconds for epoch 0, of which 17 milliseconds was spent in the scheduler. (kafka.coordinator.group.GroupMetadataManager)
[2025-07-14 18:37:12,031] INFO [GroupMetadataManager brokerId=0] Finished loading offsets and group metadata from __consumer_offsets-43 in 16 milliseconds for epoch 0, of which 16 milliseconds was spent in the scheduler. (kafka.coordinator.group.GroupMetadataManager)
[2025-07-14 18:37:12,032] INFO [GroupMetadataManager brokerId=0] Finished loading offsets and group metadata from __consumer_offsets-13 in 17 milliseconds for epoch 0, of which 17 milliseconds was spent in the scheduler. (kafka.coordinator.group.GroupMetadataManager)
[2025-07-14 18:37:12,032] INFO [GroupMetadataManager brokerId=0] Finished loading offsets and group metadata from __consumer_offsets-28 in 16 milliseconds for epoch 0, of which 16 milliseconds was spent in the scheduler. (kafka.coordinator.group.GroupMetadataManager)
[2025-07-14 18:37:12,445] INFO [GroupCoordinator 0]: Dynamic member with unknown member id joins group chat-consumer-group in Empty state. Created a new member id rdkafka-cl3aldfb-8562-413c-b628-1fb7129bb0e2 and request the member to rejoin with this id. (kafka.coordinator.group.GroupCoordinator)
[2025-07-14 18:37:12,462] INFO [GroupCoordinator 0]: Preparing to rebalance group chat-consumer-group in state PreparingRebalance with old generation 0 (__consumer_offsets-41) (reason: Adding new member rdkafka-cl3aldfb-8562-413c-b628-1fb7129bb0e2 with group instance id None; client reason: not provided) (kafka.coordinator.group.GroupCoordinator)
[2025-07-14 18:37:12,478] INFO [GroupCoordinator 0]: Stabilized group chat-consumer-group generation 1 (__consumer_offsets-41) with 1 members (kafka.coordinator.group.GroupCoordinator)
[2025-07-14 18:37:12,492] INFO [GroupCoordinator 0]: Assignment received from leader rdkafka-cl3aldfb-8562-413c-b628-1fb7129bb0e2 for group chat-consumer-group for generation 1. The group has 1 members, 0 of which are static. (kafka.coordinator.group.GroupCoordinator)
```

3.

```
Microsoft Windows [Version 10.0.26100.4351]
(c) Microsoft Corporation. All rights reserved.

C:\Users\KIIT>cd ..

C:\Users>cd ..

C:\>cd kafka

C:\kafka>cd kafka_2.13-3.9.1

C:\kafka\kafka_2.13-3.9.1>cd libb
The system cannot find the path specified.

C:\kafka\kafka_2.13-3.9.1>cd lib
The system cannot find the path specified.

C:\kafka\kafka_2.13-3.9.1>cd bin

C:\kafka\kafka_2.13-3.9.1\bin>cd windows

C:\kafka\kafka_2.13-3.9.1\bin\windows>kafka-topics.bat --create --topic chat-app --bootstrap-server localhost:9092 --partitions 1 --r
eplication-factor 1
Created topic chat-app.

C:\kafka\kafka_2.13-3.9.1\bin\windows>
```

4.

```
info : Restoring packages for C:\Users\KIIT\Documents\ChatConsumer\ChatConsumer.csproj...
info : GET https://api.nuget.org/v3-flatcontainer/confluent.kafka/index.json
info : OK https://api.nuget.org/v3-flatcontainer/confluent.kafka/index.json 341ms
info : GET https://api.nuget.org/v3-flatcontainer/confluent.kafka/2.11.0/confluent.kafka.2.11.0.nupkg
info : OK https://api.nuget.org/v3-flatcontainer/confluent.kafka/2.11.0/confluent.kafka.2.11.0.nupkg 293ms
info : GET https://api.nuget.org/v3-flatcontainer/librdkafka.redist/index.json
info : OK https://api.nuget.org/v3-flatcontainer/librdkafka.redist/index.json 382ms
info : GET https://api.nuget.org/v3-flatcontainer/librdkafka.redist/2.11.0/librdkafka.redist.2.11.0.nupkg
info : OK https://api.nuget.org/v3-flatcontainer/librdkafka.redist/2.11.0/librdkafka.redist.2.11.0.nupkg 230ms
info : Installed Confluent.Kafka 2.11.0 from https://api.nuget.org/v3/index.json to C:\Users\KIIT\.nuget\packages\confluent.kafka\2.1
1.0 with content hash lLgynx1lkylZkVJ6GqZGeDNs2pRLjmjJlVAMiybKmaBGLVFKitid0EkohdFpz2qsrFQnAvB+fbZlurBsSj7hw==.
info : Installed librdkafka.redist 2.11.0 from https://api.nuget.org/v3/index.json to C:\Users\KIIT\.nuget\packages\librdkafka.redist
\2.11.0 with content hash +CMp3EuJSuDhOZZbjdcWgB2McrqJnjMvi8GsaCecndEmfVRJzOP55CoT92uJxATrztq4F0daFFyPWaKSInsoxA==.
info : GET https://api.nuget.org/v3/vulnerabilities/index.json
info : OK https://api.nuget.org/v3/vulnerabilities/index.json 659ms
info : GET https://api.nuget.org/v3/vulnerabilities/2025.07.10.23.23.28/vulnerability.base.json
info : GET https://api.nuget.org/v3/vulnerabilities/2025.07.10.23.23.28/2025.07.14.11.23.40/vulnerability.update.json
info : OK https://api.nuget.org/v3/vulnerabilities/2025.07.10.23.23.28/vulnerability.base.json 707ms
info : OK https://api.nuget.org/v3/vulnerabilities/2025.07.10.23.23.28/2025.07.14.11.23.40/vulnerability.update.json 1746ms
info : Package 'Confluent.Kafka' is compatible with all the specified frameworks in project 'C:\Users\KIIT\Documents\ChatConsumer\Cha
tConsumer.csproj'.
info : PackageReference for package 'Confluent.Kafka' version '2.11.0' added to file 'C:\Users\KIIT\Documents\ChatConsumer\ChatConsum
er.csproj'.
info : Writing assets file to disk. Path: C:\Users\KIIT\Documents\ChatConsumer\obj\project.assets.json
log : Restored C:\Users\KIIT\Documents\ChatConsumer\ChatConsumer.csproj (in 27.31 sec).

C:\Users\KIIT\Documents\ChatConsumer>dotnet run
Chat Consumer started. Waiting for messages...
[Received] Hello! I am Arhan Dasmunshi. This is for Cognizant Digital Nurture.
```

5.

```
C:\Users\KIIT\Documents\ChatProducer>dotnet add package Confluent.Kafka

Build succeeded in 0.5s
info : X.509 certificate chain validation will use the default trust store selected by .NET for code signing.
info : X.509 certificate chain validation will use the default trust store selected by .NET for timestamping.
info : Adding PackageReference for package 'Confluent.Kafka' into project 'C:\Users\KIIT\Documents\ChatProducer\ChatProducer.csproj'.
info : CACHE https://api.nuget.org/v3/registration5-gz-semver2/confluent.kafka/index.json
info : CACHE https://api.nuget.org/v3/registration5-gz-semver2/confluent.kafka/page/0.0.1/1.0.0-experimental-10.json
info : CACHE https://api.nuget.org/v3/registration5-gz-semver2/confluent.kafka/page/1.0.0-experimental-11/1.7.0.json
info : CACHE https://api.nuget.org/v3/registration5-gz-semver2/confluent.kafka/page/1.8.0/2.11.0.json
info : Restoring packages for C:\Users\KIIT\Documents\ChatProducer\ChatProducer.csproj...
info : CACHE https://api.nuget.org/v3/vulnerabilities/index.json
info : CACHE https://api.nuget.org/v3/vulnerabilities/2025.07.10.23.23.28/vulnerability.base.json
info : CACHE https://api.nuget.org/v3/vulnerabilities/2025.07.10.23.23.28/2025.07.14.11.23.40/vulnerability.update.json
info : Package 'Confluent.Kafka' is compatible with all the specified frameworks in project 'C:\Users\KIIT\Documents\ChatProducer\Cha
tProducer.csproj'.
info : PackageReference for package 'Confluent.Kafka' version '2.11.0' added to file 'C:\Users\KIIT\Documents\ChatProducer\ChatProduc
er.csproj'.
info : Writing assets file to disk. Path: C:\Users\KIIT\Documents\ChatProducer\obj\project.assets.json
log : Restored C:\Users\KIIT\Documents\ChatProducer\ChatProducer.csproj (in 135 ms).

C:\Users\KIIT\Documents\ChatProducer>notepad Program.cs

C:\Users\KIIT\Documents\ChatProducer>dotnet run
Chat Producer started. Type your messages:
Hello! I am Arhan Dasmunshi. This is for Cognizant Digital Nurture.
[Sent] Hello! I am Arhan Dasmunshi. This is for Cognizant Digital Nurture.
```