Week 5: Kafka Chat App (Superset ID: 6364376)

Screenshot 1: Zookeeper Running

Zookeeper server started successfully, listening on port 2181.

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Signamed Prompt - Non-Newindows Lookeeper-server-startable \config\zookeeper.properties

Ricrosoft Windows [Version 10.0.10045.003]
C:\Users\adars>cd C:\kafka\kafka_2.13-3.6.1
The system cannot find the path specified.

C:\Users\adars>cd C:\kafka\kafka_2.13-3.6.1
The system cannot find the path specified.

C:\Users\adars>cd C:\kafka_2.13-3.0.1

C:\Users\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adars\adar
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Screenshot 2: Kafka Broker Running

Kafka server running on localhost: 9092, accepting connections.

```
Command Prompt - \bin\windows\kafka-sever-statt.bat \config\server.properties

Nicrosoft Windows [Version 10.0.19045.6093]

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C:\Users\adars>cd C:\kafka_2.13-3.9.1

C:\Users\adars>cd C:\kafka_2.13-3.9.1

C:\kafka_2.13-3.9.1.\bin\windows\kafka-server-start.bat .\config\server.properties

[2025-07-20 23:02:12,139] INFO Registered kafka:type=kafka.log4jController MBean (kafka.utils.log4jControllerRegistration$)

[2025-07-20 23:02:12,395] INFO Setting -D jdk.tls.rejectClientInitiatedRengotiation=true to disable client-initiated TLS renegotiation (org.apache.zookeeper.common.X509Util)

[2025-07-20 23:02:12,309] INFO Setting -D jdk.tls.rejectClientInitiatedRengotiation=true to disable client-initiated TLS renegotiation (org.apache.zookeeper.common.X509Util)

[2025-07-20 23:02:12,309] INFO Connecting to zookeeper on localhost:2181 (kafka.server.KafkaServer)

[2025-07-20 23:02:12,309] INFO Connecting to zookeeper on localhost:2181 (kafka.server.KafkaServer)

[2025-07-20 23:02:12,309] INFO Connecting to zookeeper.projectClientSeper.version-3.8.4-9316c2a7a97e166d5df39373dddfc7d5ecc436c, built on 2024-02-12 22:16 UTC (org.apache.zookeeper.Zookeeper)

[2025-07-20 23:02:12,309] INFO Client environment:jous.version-3.8.4-9316c2a7a97e166d5df39373dddfc7d5ecc436c, built on 2024-02-12 22:16 UTC (org.apache.zookeeper)

[2025-07-20 23:02:12,309] INFO Client environment:jous.version-22.0.1 (org.apache.zookeeper.Zookeeper)

[2025-07-20 23:02:12,309] INFO Client environment:jous.version-22.0.1 (org.apache.zookeeper.Zookeeper)

[2025-07-20 23:02:12,309] INFO Client environment:jous.version-22.0.1 (org.apache.zookeeper.Zookeeper)

[2025-07-20 23:02:12,300] INFO Client environment:jous.version-22.0.1 (org.apache.zookeeper.Zookeeper)
```

Screenshot 3: Publisher App Console

User entering a message like "Its Working!" and confirmation shown: Message sent: Its Working!

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

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PS C:\Users\adars\KafkaChatApp> dotnet run

1. Publisher
2. Receiver
Choose:
1
Enter message (type 'exit' to quit):
Its Working!
Message sent: Its Working!
Its Working!
Message sent: Its Working!
Message sent: Its Working!
```

Screenshot 4: Receiver App Console

Receiver printing: Received: Its Working! confirming real-time message reception.

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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS + ∨ ··· [] ×

PS C:\Users\adars\KafkaChatApp> dotnet run

1. Publisher
2. Receiver
Choose:
2
Listening for messages...
Received: Its Working!
Received: Its Working!
```