

Kafka AU Assignment

Screenshot of Consumer Receiving message from Producer running in eclipse

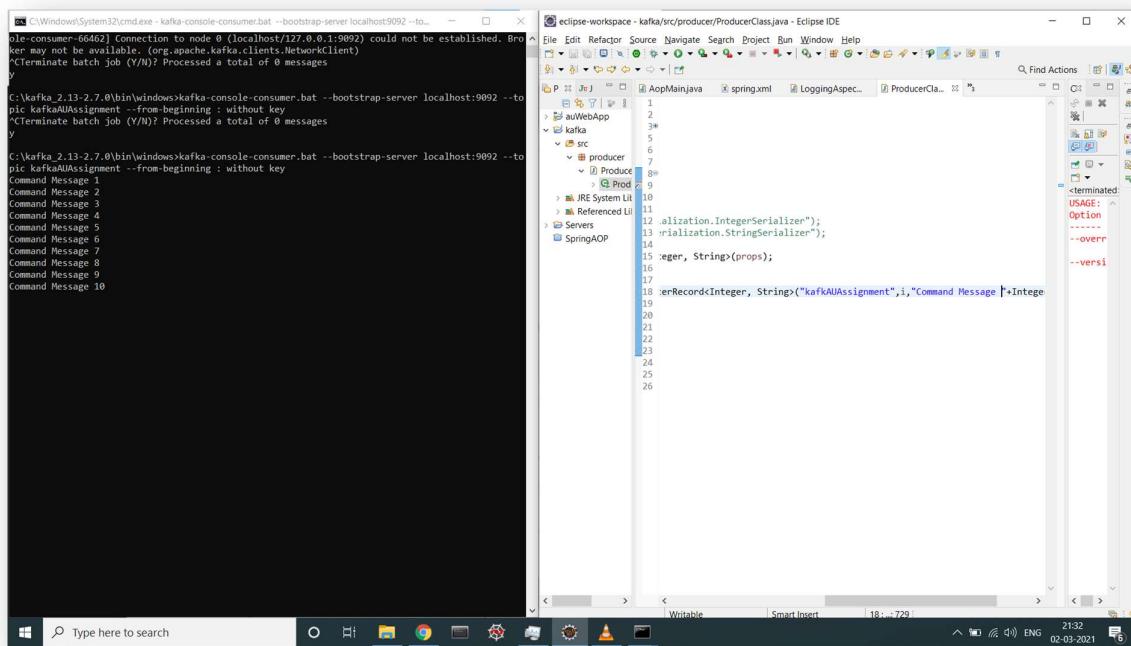


Figure 1 Showing Received Messages

Screenshot of Eclipse Console upon running kafka producer

```
<terminated> ProducerClass [Java Application] C:\Program Files\Java\jdk-15.0.2\bin\javaw.exe (02-Mar-2021, 9:25:57 pm – 9:25:58 pm)
USAGE: java [options] KafkaServer server.properties [--override property=value]*
Option          Description
-----          -----
--override <String> Optional property that should override values set in
                     server.properties file
--version        Print version information and exit.
```

Figure 2 Showing Eclipse Console

Screenshot of Server

```
C:\Windows\System32\cmd.exe - kafka-server-start.bat ..\..\config\server.properties
pMetadataManager)
[2021-03-02 21:25:49,878] INFO [GroupMetadataManager brokerId=0] Finished loading offsets and group metadata from __con
sumer_offsets-28 in 60 milliseconds, of which 60 milliseconds was spent in the scheduler. (kafka.coordinator.group.Grou
pMetadataManager)
[2021-03-02 21:26:05,244] INFO [GroupCoordinator 0]: Preparing to rebalance group console-consumer-41392 in state Prepa
ringRebalance with old generation 0 (__consumer_offsets-30) (reason: Adding new member consumer-console-consumer-41392-
1-06f90a42-a4b0-4454-8313-fe2753079d60 with group instance id None) (kafka.coordinator.group.GroupCoordinator)
[2021-03-02 21:26:05,249] INFO [GroupCoordinator 0]: Stabilized group console-consumer-41392 generation 1 (__consum
er_offsets-30) (kafka.coordinator.group.GroupCoordinator)
[2021-03-02 21:26:05,258] INFO [GroupCoordinator 0]: Assignment received from leader for group console-consumer-41392 f
or generation 1 (kafka.coordinator.group.GroupCoordinator)
[2021-03-02 21:35:48,921] INFO [GroupMetadataManager brokerId=0] Group console-consumer-16624 transitioned to Dead in g
eneration 2 (kafka.coordinator.group.GroupMetadataManager)
[2021-03-02 21:35:48,924] INFO [GroupMetadataManager brokerId=0] Group console-consumer-57462 transitioned to Dead in g
eneration 2 (kafka.coordinator.group.GroupMetadataManager)
[2021-03-02 21:35:48,926] INFO [GroupMetadataManager brokerId=0] Group console-consumer-51159 transitioned to Dead in g
eneration 2 (kafka.coordinator.group.GroupMetadataManager)
[2021-03-02 21:35:48,927] INFO [GroupMetadataManager brokerId=0] Group console-consumer-52600 transitioned to Dead in g
eneration 2 (kafka.coordinator.group.GroupMetadataManager)
[2021-03-02 21:35:48,927] INFO [GroupMetadataManager brokerId=0] Group console-consumer-66462 transitioned to Dead in g
eneration 2 (kafka.coordinator.group.GroupMetadataManager)
[2021-03-02 21:35:48,928] INFO [GroupMetadataManager brokerId=0] Group console-consumer-76074 transitioned to Dead in g
eneration 2 (kafka.coordinator.group.GroupMetadataManager)
[2021-03-02 21:35:48,930] INFO [GroupMetadataManager brokerId=0] Group console-consumer-30939 transitioned to Dead in g
eneration 2 (kafka.coordinator.group.GroupMetadataManager)
[2021-03-02 21:35:48,930] INFO [GroupMetadataManager brokerId=0] Group console-consumer-9569 transitioned to Dead in ge
neration 2 (kafka.coordinator.group.GroupMetadataManager)
[2021-03-02 21:35:48,931] INFO [GroupMetadataManager brokerId=0] Group console-consumer-95747 transitioned to Dead in g
eneration 2 (kafka.coordinator.group.GroupMetadataManager)
```

Figure 3 Showing Kafka Server