

Documentation: <https://kafka.apache.org/quickstart>

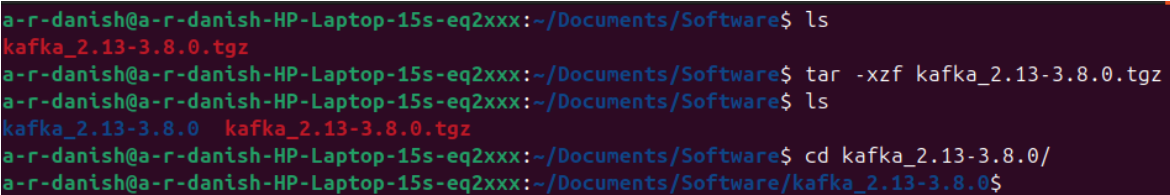
Step 1: Download kafka

Download the kafka from office website : <https://kafka.apache.org/>

Command

```
tar -xzf kafka_2.13-3.8.0.tgz
```

```
cd kafka_2.13-3.8.0/
```



```
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx:~/Documents/Software$ ls
kafka_2.13-3.8.0.tgz
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx:~/Documents/Software$ tar -xzf kafka_2.13-3.8.0.tgz
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx:~/Documents/Software$ ls
kafka_2.13-3.8.0  kafka_2.13-3.8.0.tgz
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx:~/Documents/Software$ cd kafka_2.13-3.8.0/
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx:~/Documents/Software/kafka_2.13-3.8.0$
```

Step 2: Start the Kafka environment

```
# Start the ZooKeeper service
```

```
$ bin/zookeeper-server-start.sh config/zookeeper.properties
```

Keep it running and open another window:

```
# Start the Kafka broker service
```

```
$ bin/kafka-server-start.sh config/server.properties
```

```

a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: ~/Documents/Software/kafka_2.13-3.8.0
syadmin@troys-staging-1:~/git/twitter-crawler
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: ~/Documents/Software/kafka_2.13-3.8.0
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: ~/Documents/Software/kafka_2.13-3.8.0
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: ~/Documents/Software$ cd kafka_2.13-3.8.0/
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: ~/Documents/Software/kafka_2.13-3.8.0$ ls
bin  config  libs  LICENSE  NOTICE  s3fs-fuse  s3fs-tests
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: ~/Documents/Software/kafka_2.13-3.8.0$ bin/zookeeper-server-start.sh config/zookeeper.properties
[2024-07-30 14:56:11,866] INFO Reading configuration from: config/zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2024-07-30 14:56:11,868] WARN config/zookeeper.properties is relative. Prepend ./ to indicate that you're sure! (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2024-07-30 14:56:11,876] INFO clientPortAddress is 0.0.0.0:2181 (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2024-07-30 14:56:11,871] INFO secureClientPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2024-07-30 14:56:11,871] INFO observerMasterPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2024-07-30 14:56:11,871] INFO metricsProvider.className is org.apache.zookeeper.metrics.impl.DefaultMetricsProvider (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2024-07-30 14:56:11,872] INFO autopurge.snapshotInterval set to 3 (org.apache.zookeeper.server.DataDirCleanupManager)
[2024-07-30 14:56:11,873] INFO autopurge.purgeInterval set to 0 (org.apache.zookeeper.server.DataDirCleanupManager)
[2024-07-30 14:56:11,873] INFO Purge task is not scheduled. (org.apache.zookeeper.server.DataDirCleanupManager)
[2024-07-30 14:56:11,873] WARN Either no config or no quorum defined in config, running in standalone mode (org.apache.zookeeper.server.quorum.QuorumPeerMain)
[2024-07-30 14:56:11,874] INFO Log4j 1.2 jmx support not found; jmx disabled. (org.apache.zookeeper.jmx.ManagedUtil)
[2024-07-30 14:56:11,874] INFO Reading configuration from: config/zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2024-07-30 14:56:11,874] WARN config/zookeeper.properties is relative. Prepend ./ to indicate that you're sure! (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2024-07-30 14:56:11,875] INFO clientPortAddress is 0.0.0.0:2181 (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2024-07-30 14:56:11,875] INFO secureClientPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2024-07-30 14:56:11,875] INFO observerMasterPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2024-07-30 14:56:11,875] INFO metricsProvider.className is org.apache.zookeeper.metrics.impl.DefaultMetricsProvider (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2024-07-30 14:56:11,875] INFO Starting server (org.apache.zookeeper.server.ZooKeeperServerMain)
[2024-07-30 14:56:11,890] INFO ServerMetrics initialized with provider org.apache.zookeeper.metrics.impl.DefaultMetricsProvider@1df82230 (org.apache.zookeeper.server.ServerMetrics)
[2024-07-30 14:56:11,892] INFO ACL digest algorithm is: SHA1 (org.apache.zookeeper.server.auth.DigestAuthenticationProvider)
[2024-07-30 14:56:11,893] INFO zookeeper.DigestAuthenticationProvider.enabled = true (org.apache.zookeeper.server.auth.DigestAuthenticationProvider)
[2024-07-30 14:56:11,894] INFO zookeeper.snapshot.trust.empty = false (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2024-07-30 14:56:11,901] INFO (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,901] INFO (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,901] INFO (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,901] INFO (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,901] INFO (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,901] INFO (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,901] INFO (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,902] INFO (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,902] INFO (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,903] INFO Server environment: zookeeper.version=3.8.4-93162a7e1666d8f4593f34d6fc36ecc436c, built on 2024-02-12 22:16 UTC (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,903] INFO Server environment: host.name=a-r-danish-HP-Laptop-15s-eq2xxx (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,903] INFO Server environment: java.version=21.0.3 (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,903] INFO Server environment: java.vendor=Ubuntu (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,903] INFO Server environment: java.home=/usr/lib/jvm/java-21-openjdk-and64 (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,903] INFO Server environment: java.class.path=/home/a-r-danish/Documents/Software/kafka_2.13-3.8.0/bin/./libs/activation-1.1.1.jar:/home/a-r-danish/Documents/Software/kafka_2.13-3.8.0/bin/./libs/aopalliance-repackaged-2.6.1.jar:/home/a-r-danish/Documents/Software/kafka_2.13-3.8.0/bin/./libs/argparse4j-0.7.0.jar:/home/a-r-danish/Documents/Software/kafka_2.13-3.8.0/bin/./libs/audience-annotations-0.12.0.jar:/home/a-r-danish/Documents/Software/kafka_2.13-3.8.0/bin/./libs/caffeine-2.9.3.jar:/home/a-r-danish/Documents/Software/kafka_2.13-3.8.0/

```

```

a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: ~/Documents/Software/kafka_2.13-3.8.0
syadmin@troys-staging-1:~/git/twitter-crawler
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: ~/Documents/Software/kafka_2.13-3.8.0
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: ~/Documents/Software/kafka_2.13-3.8.0
[2024-07-30 14:56:11,905] INFO Server environment: os.memory.total=512MB (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,905] INFO zookeeper.enableEagerACLCheck = false (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,905] INFO zookeeper.digest.enabled = true (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,905] INFO zookeeper.closeSessionTxn.enabled = true (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,906] INFO zookeeper.flushDelay = 0 ms (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,906] INFO zookeeper.maxWriteQueuePollTime = 0 ms (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,906] INFO zookeeper.maxBatchSize=1000 (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,906] INFO zookeeper.intBufferStartingSizeBytes = 1024 (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,907] INFO highest connection throttling is disabled (org.apache.zookeeper.server.BlueThrottle)
[2024-07-30 14:56:11,908] INFO minSessionTimeout set to 6000 ms (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,909] INFO maxSessionTimeout set to 60000 ms (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,910] INFO getData response cache size is initialized with value 400. (org.apache.zookeeper.server.ResponseCache)
[2024-07-30 14:56:11,910] INFO getChildren response cache size is initialized with value 400. (org.apache.zookeeper.server.ResponseCache)
[2024-07-30 14:56:11,911] INFO zookeeper.pathStats.slotCapacity = 60 (org.apache.zookeeper.server.util.RequestPathMetricsCollector)
[2024-07-30 14:56:11,911] INFO zookeeper.pathStats.slotDuration = 15 (org.apache.zookeeper.server.util.RequestPathMetricsCollector)
[2024-07-30 14:56:11,912] INFO zookeeper.pathStats.maxDepth = 6 (org.apache.zookeeper.server.util.RequestPathMetricsCollector)
[2024-07-30 14:56:11,912] INFO zookeeper.pathStats.initialDelay = 5 (org.apache.zookeeper.server.util.RequestPathMetricsCollector)
[2024-07-30 14:56:11,912] INFO zookeeper.pathStats.delay = 5 (org.apache.zookeeper.server.util.RequestPathMetricsCollector)
[2024-07-30 14:56:11,912] INFO zookeeper.pathStats.enabled = false (org.apache.zookeeper.server.util.RequestPathMetricsCollector)
[2024-07-30 14:56:11,914] INFO The max bytes for all large requests are set to 104857600 (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,914] INFO The large request threshold is set to -1 (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,915] INFO zookeeper.enforce.auth.enabled = false (org.apache.zookeeper.server.AuthenticationHelper)
[2024-07-30 14:56:11,915] INFO zookeeper.enforce.auth.schemes = [] (org.apache.zookeeper.server.AuthenticationHelper)
[2024-07-30 14:56:11,915] INFO Created server with tickTime 3000 ms minSessionTimeout 6000 ms maxSessionTimeout 60000 ms clientPortListenBacklog -1 datadir /tmp/zookeeper/version-2 snapdir /tmp/zookeeper/version-2 (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,920] INFO Using org.apache.zookeeper.server.NIOServerCnxnFactory as server connection factory (org.apache.zookeeper.server.ServerCnxnFactory)
[2024-07-30 14:56:11,921] INFO maxCnxns is not configured, using default value 0. (org.apache.zookeeper.server.ServerCnxnFactory)
[2024-07-30 14:56:11,922] INFO Configuring NIO connection handler with 10s sessionless connection timeout, 2 selector thread(s), 32 worker threads, and 64 kB direct buffers. (org.apache.zookeeper.server.NIOServerCnxnFactory)
[2024-07-30 14:56:11,927] INFO binding to port 0.0.0.0/0.0.0.0:2181 (org.apache.zookeeper.server.NIOServerCnxnFactory)
[2024-07-30 14:56:11,939] INFO Using org.apache.zookeeper.server.watch.WatchManager as watch manager (org.apache.zookeeper.server.watch.WatchManagerFactory)
[2024-07-30 14:56:11,939] INFO Using org.apache.zookeeper.server.watch.WatchManager as watch manager (org.apache.zookeeper.server.watch.WatchManagerFactory)
[2024-07-30 14:56:11,939] INFO zookeeper.snapshot.sizeFactor = 0.33 (org.apache.zookeeper.server.ZKDatabase)
[2024-07-30 14:56:11,939] INFO zookeeper.commitLogCount=500 (org.apache.zookeeper.server.ZKDatabase)
[2024-07-30 14:56:11,944] INFO zookeeper.snapshot.compression.method = CHECKED (org.apache.zookeeper.server.persistence.SnapStream)
[2024-07-30 14:56:11,944] INFO Snapshotting: 0x0 to /tmp/zookeeper/version-2/snapshot.0 (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2024-07-30 14:56:11,947] INFO Snapshot loaded in 7 ms, highest zxid is 0x0, digest is 1371985504 (org.apache.zookeeper.server.ZKDatabase)
[2024-07-30 14:56:11,947] INFO Snapshotting: 0x0 to /tmp/zookeeper/version-2/snapshot.0 (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2024-07-30 14:56:11,948] INFO Snapshot taken in 0 ns (org.apache.zookeeper.server.ZooKeeperServer)
[2024-07-30 14:56:11,966] INFO PrepRequestProcessor (sld=0) started, reconfigEnabled=false (org.apache.zookeeper.server.PrepRequestProcessor)
[2024-07-30 14:56:11,966] INFO zookeeper.requestThrottler.shutdownTimeout = 10000 ms (org.apache.zookeeper.server.RequestThrottler)
[2024-07-30 14:56:11,987] INFO Using checkIntervalMs=60000 maxPerMinute=10000 maxNeverUsedIntervalMs=0 (org.apache.zookeeper.server.ContainerManager)
[2024-07-30 14:56:11,988] INFO ZooKeeper audit is disabled. (org.apache.zookeeper.audit.ZKAuditProvider)
[2024-07-30 14:58:14,779] INFO Creating new log file: log.1 (org.apache.zookeeper.server.persistence.FileTxnLog)

```

===

```
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: ~/Documents/Software/kafka_2.13-3.8.0
syadmin@trooya-staging-1: ~/git/twitter-crawler
The specified command ("completion") is invalid. For a list of available options,
run 'ng help'.

Did you mean "analytics"?
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: ~/Documents/Software/kafka_2.13-3.8.0$ bin/kafka-server-start.sh config/server.properties
[2024-07-30 14:58:14,441] INFO Registered kafka:type=kafka.Log4jController MBean (kafka.utils.Log4jControllerRegistrations)
[2024-07-30 14:58:14,636] INFO Setting -Djdk.tls.rejectClientInitiatedRenegotiation=true to disable client-initiated TLS renegotiation (org.apache.zookeeper.common.XS509Util)
[2024-07-30 14:58:14,639] INFO RemoteLogManagerConfig values:
  log.local.retention.bytes = -2
  log.local.retention.ms = -2
  remote.fetch.max.wait.ms = 500
  remote.log.index.file.cache.total.size.bytes = 1073741024
  remote.log.manager.copier.thread.pool.size = 10
  remote.log.manager.copy.max.bytes.per.second = 9223372036854775807
  remote.log.manager.copy.quota.window.num = 11
  remote.log.manager.copy.quota.window.size.seconds = 1
  remote.log.manager.expiration.thread.pool.size = 10
  remote.log.manager.fetch.max.bytes.per.second = 9223372036854775807
  remote.log.manager.fetch.quota.window.num = 11
  remote.log.manager.fetch.quota.window.size.seconds = 1
  remote.log.manager.task.interval.ms = 30000
  remote.log.manager.task.retry.backoff.max.ms = 30000
  remote.log.manager.task.retry.backoff.ms = 500
  remote.log.manager.task.retry.jitter = 0.2
  remote.log.manager.thread.pool.size = 10
  remote.log.metadata.custom.metadata.max.bytes = 128
  remote.log.metadata.manager.class.name = org.apache.kafka.server.log.remote.metadata.storage.TopicBasedRemoteLogMetadataManager
  remote.log.metadata.manager.class.path = null
  remote.log.metadata.manager.impl.prefix = rlmw.config
  remote.log.metadata.manager.listener.name = null
  remote.log.reader.max.pending.tasks = 100
  remote.log.reader.threads = 10
  remote.log.storage.manager.class.name = null
  remote.log.storage.manager.class.path = null
  remote.log.storage.manager.impl.prefix = rsm.config
  remote.log.storage.system.enable = false
(org.apache.kafka.server.log.remote.storage.RemoteLogManagerConfig)
[2024-07-30 14:58:14,732] INFO Registered signal handlers for TERM, INT, HUP (org.apache.kafka.common.utils.LoggingSignalHandler)
[2024-07-30 14:58:14,734] INFO starting (kafka.server.KafkaServer)
[2024-07-30 14:58:14,735] INFO Connecting to zookeeper on localhost:2181 (kafka.server.KafkaServer)
[2024-07-30 14:58:14,746] INFO [ZooKeeperClient Kafka server] Initializing a new session to localhost:2181. (kafka.zookeeper.ZooKeeperClient)
[2024-07-30 14:58:14,752] INFO Client environment:zookeeper.version=3.8.4-9316c2a7a97e1666d8f4593f34dd6fc36ecc436c, built on 2024-02-12 22:16 UTC (org.apache.zookeeper.ZooKeeper)
[2024-07-30 14:58:14,752] INFO Client environment:host.name=a-r-danish-HP-Laptop-15s-eq2xxx (org.apache.zookeeper.ZooKeeper)
[2024-07-30 14:58:14,752] INFO Client environment:java.version=21.0.3 (org.apache.zookeeper.ZooKeeper)
[2024-07-30 14:58:14,752] INFO Client environment:java.vendor=Ubuntu (org.apache.zookeeper.ZooKeeper)
```

```
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: ~/Documents/Software/kafka_2.13-3.8.0
syadmin@trooya-staging-1: ~/git/twitter-crawler
[2024-07-30 14:58:14,752] INFO [ZooKeeperClient Kafka server] Connected. (kafka.zookeeper.ZooKeeperClient)
[2024-07-30 14:58:14,981] INFO Cluster ID = nQA6jJnaSaQQPRU2j8yauw (kafka.server.KafkaServer)
[2024-07-30 14:58:14,986] INFO RemoteLogManagerConfig values:
  log.local.retention.bytes = -2
  log.local.retention.ms = -2
  remote.fetch.max.wait.ms = 500
  remote.log.index.file.cache.total.size.bytes = 1073741024
  remote.log.manager.copier.thread.pool.size = 10
  remote.log.manager.copy.max.bytes.per.second = 9223372036854775807
  remote.log.manager.copy.quota.window.num = 11
  remote.log.manager.copy.quota.window.size.seconds = 1
  remote.log.manager.expiration.thread.pool.size = 10
  remote.log.manager.fetch.max.bytes.per.second = 9223372036854775807
  remote.log.manager.fetch.quota.window.num = 11
  remote.log.manager.fetch.quota.window.size.seconds = 1
  remote.log.manager.task.interval.ms = 30000
  remote.log.manager.task.retry.backoff.max.ms = 30000
  remote.log.manager.task.retry.backoff.ms = 500
  remote.log.manager.task.retry.jitter = 0.2
  remote.log.manager.thread.pool.size = 10
  remote.log.metadata.custom.metadata.max.bytes = 128
  remote.log.metadata.manager.class.name = org.apache.kafka.server.log.remote.metadata.storage.TopicBasedRemoteLogMetadataManager
  remote.log.metadata.manager.class.path = null
  remote.log.metadata.manager.impl.prefix = rlmw.config
  remote.log.metadata.manager.listener.name = null
  remote.log.reader.max.pending.tasks = 100
  remote.log.reader.threads = 10
  remote.log.storage.manager.class.name = null
  remote.log.storage.manager.class.path = null
  remote.log.storage.manager.impl.prefix = rsm.config
  remote.log.storage.system.enable = false
(org.apache.kafka.server.log.remote.storage.RemoteLogManagerConfig)
[2024-07-30 14:58:15,010] INFO RemoteLogManagerConfig values:
  log.local.retention.bytes = -2
  log.local.retention.ms = -2
  remote.fetch.max.wait.ms = 500
  remote.log.index.file.cache.total.size.bytes = 1073741024
  remote.log.manager.copier.thread.pool.size = 10
  remote.log.manager.copy.max.bytes.per.second = 9223372036854775807
  remote.log.manager.copy.quota.window.num = 11
  remote.log.manager.copy.quota.window.size.seconds = 1
  remote.log.manager.expiration.thread.pool.size = 10
  remote.log.manager.fetch.max.bytes.per.second = 9223372036854775807
  remote.log.manager.fetch.quota.window.num = 11
  remote.log.manager.fetch.quota.window.size.seconds = 1
```


Step 4: Write some events into the topic

`bin/kafka-console-producer.sh --topic quickstart-events --bootstrap-server localhost:9092`

```
... 5 more
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: /Documents/Software/kafka_2.13-3.0.0$ bin/kafka-console-producer.sh --topic quickstart-events --bootstrap-server localhost:9092
>testing kafka 1st message
>testing kafka 2nd message
>
```

To stop the producer client press Ctrl-C at any time.

Step 5: Read the events

`bin/kafka-console-consumer.sh --topic quickstart-events --from-beginning --bootstrap-server localhost:9092`

```
a-r-danish@a-r-danish-HP-Laptop-15s-eq2xxx: /Documents/Software/kafka_2.13-3.0.0$ bin/kafka-console-consumer.sh --topic quickstart-events --from-beginning --bootstrap-server localhost:9092
testing kafka 1st message
testing kafka 2nd message
testing kafka 3rd message
```

Step 6: Import/export your data as streams of events with Kafka Connect

Step 7: Terminate the Kafka environment

Now that we have reached the end of the quickstart, feel free to tear down the Kafka environment—or continue playing around.

- Stop the producer and consumer clients with Ctrl-C, if you haven't done so already.
- Stop the Kafka broker with Ctrl-C.
- Lastly, if the Kafka with ZooKeeper section was followed, stop the ZooKeeper server with Ctrl-C.

If you also want to delete any data of your local Kafka environment including any events you have created along the way, run the command:

```
rm -rf /tmp/kafka-logs /tmp/zookeeper /tmp/kraft-combined-logs
```

```
rm -rf /tmp/kafka-logs /tmp/zookeeper /tmp/kraft-combined-logs
```

To re-start the service:

```
# Start the ZooKeeper service
```

```
$ bin/zookeeper-server-start.sh config/zookeeper.properties
```

Keep it running and open another window:

```
# Start the Kafka broker service
```

```
$ bin/kafka-server-start.sh config/server.properties
```

```
bin/kafka-topics.sh --create --topic channel-messages --bootstrap-server localhost:9092
```

```
bin/kafka-topics.sh --create --topic channel-messages --bootstrap-server localhost:9092
```

```
bin/kafka-console-consumer.sh --topic quickstart-events --from-beginning --bootstrap-server  
localhost:9092
```

```
bin/kafka-console-consumer.sh --topic quickstart-events --from-beginning --bootstrap-server  
localhost:9092
```

Clear the topic message from kafka:

```
# Replace 'my_topic' with your actual topic name kafka-topics.sh --delete --topic my_topic  
--zookeeper localhost:2181 kafka-topics.sh --create --topic my_topic --partitions 1  
--replication-factor 1 --zookeeper localhost:2181
```