Command Prompt - bin\windows\zookeeper-server-start.bat config\zookeeper.properties

Microsoft Windows [Version 10.0.19045.6575]
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C:\Users\User>cd /d D:\kafka\kafka_2.13-3.5.2

D:\kafka\kafka_2.13-3.5.2>bin\windows\zookeeper-server-start.bat config\zookeeper.properties
[2025-11-26 08:44:53,761] INFO Reading configuration from: config\zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2025-11-26 08:44:53,763] WARN config\zookeeper.properties is relative. Prepend .\ to indicate that you're sure! (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2025-11-26 08:44:53,772] INFO clientPortAddress is 0.0.0.0:2181 (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2025-11-26 08:44:53,773] INFO secureClientPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2025-11-26 08:44:53,773] INFO observerMasterPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2025-11-26 08:44:53,773] INFO metricsProvider.className is org.apache.zookeeper.metrics.impl.DefaultMetricsProvider (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2025-11-26 08:44:53,775] INFO autopurge.snapRetainCount set to 3 (org.apache.zookeeper.server.DatadirCleanupManager)
[2025-11-26 08:44:53,776] INFO autopurge.purgeInterval set to 0 (org.apache.zookeeper.server.DatadirCleanupManager)
[2025-11-26 08:44:53,776] INFO Purge task is not scheduled. (org.apache.zookeeper.server.DatadirCleanupManager)
[2025-11-26 08:44:53,776] WARN Either no config or no quorum defined in config, running in standalone mode (org.apache.zookeeper.server.quorum.QuorumPeerMain)
[2025-11-26 08:44:53,778] INFO Log4j 1.2 jmx support not found; jmx disabled. (org.apache.zookeeper.jmx.ManagedUtil)
[2025-11-26 08:44:53,779] INFO Reading configuration from: config\zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2025-11-26 08:44:53,779] WARN config\zookeeper.properties is relative. Prepend .\ to indicate that you're sure! (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2025-11-26 08:44:53,789] INFO clientPortAddress is 0.0.0.0:2181 (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2025-11-26 08:44:53,789] INFO secureClientPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2025-11-26 08:44:53,790] INFO observerMasterPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2025-11-26 08:44:53,790] INFO metricsProvider.className is org.apache.zookeeper.metrics.impl.DefaultMetricsProvider (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
[2025-11-26 08:44:53,790] INFO Starting server (org.apache.zookeeper.server.ZooKeeperServerMain)
[2025-11-26 08:44:53,829] INFO ServerMetrics initialized with provider org.apache.zookeeper.metrics.impl.DefaultMetricsProvider@6328d34a (org.apache.zookeeper.server.ServerMetrics)
[2025-11-26 08:44:53,845] INFO zookeeper.snapshot.trust.empty : false (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2025-11-26 08:44:53,876] INFO (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:53,876] INFO   (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:53,878] INFO |__ / | (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:53,885] INFO   / /   _   _ _   _   (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:53,886] INFO / /_ ___   ___ | | __ ___ ___ _ __   ___ _ __ (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:53,887] INFO /_/_ \(_) (_) |_\ \ __/| ._' __| |_| (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:53,888] INFO /___|/\/ \/ \/|_\ \ __/|_._' __| |_| (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:53,889] INFO | (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:53,890] INFO |_   (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:53,891] INFO (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:59,920] INFO Server environment:zookeeper.version=3.6.4--d65253dcf68e9097c6e95a126463fd5fdeb4521c, built on 12/18/2022 18:10 GMT (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:59,921] INFO Server environment:host.name=DESKTOP-0RKVFFH (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:59,927] INFO Server environment:java.version=25.0.1 (org.apache.zookeeper.server.ZooKeeperServer)
[2025-11-26 08:44:59,932] INFO Server environment:java.vendor=Oracle Corporation (org.apache.zookeeper.server.ZooKeeperServer)

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C:\Users\User>cd /d D:\kafka\kafka_2.13-3.5.2

D:\kafka\kafka_2.13-3.5.2>bin\windows\kafka-server-start.bat config\server.properties
[2025-11-26 08:45:03,213] INFO Registered kafka:type=kafka.Log4jController MBean (kafka.utils.Log4jControllerRegistration$)
[2025-11-26 08:45:03,791] INFO Setting -D jdk.tls.rejectClientInitiatedRenegotiation=true to disable client-initiated TLS renegotiation (org.apache.zookeeper.common.X509Util)
[2025-11-26 08:45:03,966] INFO starting (kafka.server.KafkaServer)
[2025-11-26 08:45:03,968] INFO Connecting to zookeeper on localhost:2181 (kafka.server.KafkaServer)
[2025-11-26 08:45:03,993] INFO [ZooKeeperClient Kafka server] Initializing a new session to localhost:2181. (kafka.zookeeper.ZooKeeperClient)
[2025-11-26 08:45:20,584] INFO Client environment:zookeeper.version=3.6.4--d65253dcf68e9097c6e95a126463fd5fdeb4521c, built on 12/18/2022 18:10 GMT (org.apache.zookeeper.ZooKeeper)
[2025-11-26 08:45:20,585] INFO Client environment:host.name=DESKTOP-0RKVFFH (org.apache.zookeeper.ZooKeeper)
[2025-11-26 08:45:20,586] INFO Client environment:java.version=25.0.1 (org.apache.zookeeper.ZooKeeper)
[2025-11-26 08:45:20,587] INFO Client environment:java.vendor=Oracle Corporation (org.apache.zookeeper.ZooKeeper)
[2025-11-26 08:45:20,588] INFO Client environment:java.home=D:\tp7 mallloul (org.apache.zookeeper.ZooKeeper)
[2025-11-26 08:45:20,589] INFO Client environment:java.class.path=D:\kafka\kafka_2.13-3.5.2\libs\activation-1.1.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\aopalliance-repackaged-2.6.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\argparse4j-0.7.0.jar;D:\kafka\kafka_2.13-3.5.2\libs\audience-annotations-0.13.0.jar;D:\kafka\kafka_2.13-3.5.2\libs\commons-cli-1.4.jar;D:\kafka\kafka_2.13-3.5.2\libs\commons-lang3-3.8.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\connect-api-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\connect-basic-auth-extension-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\connect-file-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\connect-json-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\connect-mirror-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\connect-mirror-client-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\connect-runtime-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\connect-transforms-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\hk2-api-2.6.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\hk2-locator-2.6.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\hk2-utils-2.6.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\jackson-annotations-2.13.5.jar;D:\kafka\kafka_2.13-3.5.2\libs\jackson-core-2.13.5.jar;D:\kafka\kafka_2.13-3.5.2\libs\jackson-databind-2.13.5.jar;D:\kafka\kafka_2.13-3.5.2\libs\jackson-dataformat-csv-2.13.5.jar;D:\kafka\kafka_2.13-3.5.2\libs\jackson-datatype-jdk8-2.13.5.jar;D:\kafka\kafka_2.13-3.5.2\libs\jackson-jaxrs-base-2.13.5.jar;D:\kafka\kafka_2.13-3.5.2\libs\jackson-jaxrs-json-provider-2.13.5.jar;D:\kafka\kafka_2.13-3.5.2\libs\jackson-module-jaxb-annotations-2.13.5.jar;D:\kafka\kafka_2.13-3.5.2\libs\jackson-module-scala_2.13-2.13.5.jar;D:\kafka\kafka_2.13-3.5.2\libs\jakarta.activation-api-1.2.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\jakarta.annotation-api-1.3.5.jar;D:\kafka\kafka_2.13-3.5.2\libs\jakarta.inject-2.6.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\jakarta.validation-api-2.0.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\jakarta.ws.rs-api-2.1.6.jar;D:\kafka\kafka_2.13-3.5.2\libs\jakarta.xml.bind-api-2.3.3.jar;D:\kafka\kafka_2.13-3.5.2\libs\javassist-3.29.2-GA.jar;D:\kafka\kafka_2.13-3.5.2\libs\javax.activation-api-1.2.0.jar;D:\kafka\kafka_2.13-3.5.2\libs\javax.annotation-api-1.3.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\javax.servlet-api-3.1.0.jar;D:\kafka\kafka_2.13-3.5.2\libs\javax.ws.rs-api-2.1.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\jaxb-api-2.3.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\jersey-client-2.39.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\jersey-common-2.39.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\jersey-container-servlet-2.39.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\jersey-container-servlet-core-2.39.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\jersey-hk2-2.39.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\jersey-server-2.39.1.jar;D:\kafka\kafka_2.13-3.5.2\libs\jetty-client-9.4.52.v20230823.jar;D:\kafka\kafka_2.13-3.5.2\libs\jetty-continuation-9.4.52.v20230823.jar;D:\kafka\kafka_2.13-3.5.2\libs\jetty-http-9.4.52.v20230823.jar;D:\kafka\kafka_2.13-3.5.2\libs\jetty-io-9.4.52.v20230823.jar;D:\kafka\kafka_2.13-3.5.2\libs\jetty-security-9.4.52.v20230823.jar;D:\kafka\kafka_2.13-3.5.2\libs\jetty-server-9.4.52.v20230823.jar;D:\kafka\kafka_2.13-3.5.2\libs\jetty-servlet-9.4.52.v20230823.jar;D:\kafka\kafka_2.13-3.5.2\libs\jetty-servlets-9.4.52.v20230823.jar;D:\kafka\kafka_2.13-3.5.2\libs\jetty-util-9.4.52.v20230823.jar;D:\kafka\kafka_2.13-3.5.2\libs\jetty-util-ajax-9.4.52.v20230823.jar;D:\kafka\kafka_2.13-3.5.2\libs\jline-3.22.0.jar;D:\kafka\kafka_2.13-3.5.2\libs\jopt-simple-5.0.4.jar;D:\kafka\kafka_2.13-3.5.2\libs\jose4j-0.9.3.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-clients-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-group-coordinator-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-log4j-appender-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-metadata-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-raft-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-server-common-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-shell-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-storage-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-storage-api-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-streams-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-streams-examples-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-streams-scala_2.13-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-streams-test-utils-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-tools-3.5.2.jar;D:\kafka\kafka_2.13-3.5.2\libs\kafka-tools-api-3.5.2.jar;D:\kafka\

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C:\Users\User>cd /d D:\kafka\kafka_2.13-3.5.2

D:\kafka\kafka_2.13-3.5.2>bin\windows\kafka-console-producer.bat --broker-list localhost:9092 --topic iot-topic
>test-ok
>malloul
>
```

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C:\Users\User>cd /d D:\kafka\kafka_2.13-3.5.2

D:\kafka\kafka_2.13-3.5.2>bin\windows\kafka-console-consumer.bat --bootstrap-server localhost:9092 --topic iot-topic --from-beginning
temp=22,hum=45
temp=25,hum=40
hello
temp=22,hum=45
test-ok
temp=24,hum=43
temp=19,hum=57
temp=21,hum=33
temp=15,hum=55
temp=20,hum=39
temp=26,hum=61
temp=27,hum=43
temp=20,hum=46
temp=22,hum=40
temp=17,hum=40
malloul
temp=22,hum=45
temp=25,hum=40
hello
temp=22,hum=45
test-ok
temp=24,hum=43
temp=19,hum=57
temp=21,hum=33
temp=15,hum=55
temp=20,hum=39
temp=26,hum=61
temp=27,hum=43
temp=20,hum=46
temp=22,hum=40
temp=17,hum=40
malloul
temp=22,hum=45
temp=25,hum=40
hello
temp=22,hum=45
test-ok
temp=24,hum=43
```

```
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C:\Users\User>cd /d D:\tp7-iot-kafka\iot-kafka-app

D:\tp7-iot-kafka\iot-kafka-app>mvn clean compile exec:java
WARNING: A terminally deprecated method in sun.misc.Unsafe has been called
WARNING: sun.misc.Unsafe::staticFieldBase has been called by com.google.inject.internal.aop.HiddenClassDefiner (file:/D:/apache-maven-3.9.11/lib/guice-5.1.0-classes.jar
)
WARNING: Please consider reporting this to the maintainers of class com.google.inject.internal.aop.HiddenClassDefiner
WARNING: sun.misc.Unsafe::staticFieldBase will be removed in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] --------------------< com.tp7.iot:iot-kafka-app >----------------------
[INFO] Building iot-kafka-app 1.0-SNAPSHOT
[INFO]   from pom.xml
[INFO] --------------------------------[ jar ]---------------------------------
[INFO]
[INFO] --- clean:3.2.0:clean (default-clean) @ iot-kafka-app ---
[INFO] Deleting D:\tp7-iot-kafka\iot-kafka-app\target
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ iot-kafka-app ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory D:\tp7-iot-kafka\iot-kafka-app\src\main\resources
[INFO]
[INFO] --- compiler:3.13.0:compile (default-compile) @ iot-kafka-app ---
[INFO] Recompiling the module because of changed source code.
[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
[INFO] Compiling 2 source files with javac [debug target 1.8] to target\classes
[WARNING] bootstrap class path is not set in conjunction with -source 8
  not setting the bootstrap class path may lead to class files that cannot run on JDK 8
  --release 8 is recommended instead of -source 8 -target 1.8 because it sets the bootstrap class path automatically
[WARNING] source value 8 is obsolete and will be removed in a future release
[WARNING] target value 8 is obsolete and will be removed in a future release
[WARNING] To suppress warnings about obsolete options, use -Xlint:-options.
[INFO]
[INFO] --- exec:3.1.0:java (default-cli) @ iot-kafka-app ---
[com.tp7.iot.IoTProducer.main()] INFO org.apache.kafka.clients.producer.ProducerConfig - ProducerConfig values:
        acks = -1
        auto.include.jmx.reporter = true
        batch.size = 16384
        bootstrap.servers = [localhost:9092]
        buffer.memory = 33554432
        client.dns.lookup = use all dns ips
```