# **Apache Kafka in ASP.NET 6 Core**

* Visual Studio 2022
* .NET 6.0
* ASP.NET 6.0 Runtime
* Apache Kafka
* Java Runtime Environment (JRE)
* 7-zip

download and install 7-zip from here: <https://www.7-zip.org/download.html>.

download JRE from here: <https://www.java.com/en/download/>.

If you don't already have Visual Studio 2022 installed in your computer, you can download it from here: <https://visualstudio.microsoft.com/downloads/>.

You can download Apache Kafka from here: <https://kafka.apache.org/downloads>.

Note: Install Kafka scala in ZIP and extract it in C drive.

**Configuration:**

1. Switch to the Kafka config directory in your computer.

It is C:\kafka\config on my computer.

1. Open the file server.properties.
2. Find and replace the line log.dirs=/tmp/kafka-logs with log.dirs=C:/kafka/kafka-logs
3. Save and close the server.properties file.
4. Now open the file zookeeper.properties.
5. Find and replace the line dataDir=/tmp/zookeeper with dataDir=C:/kafka/zookeeper-data

Create Topic;  
Switch to /bin/windows folder

And then:

.\kafka-topics.bat --create -bootstrap-server localhost:9091 --replication-factor 1

--partitions 1 --topic Test

Create a producer and send some messages after you've started both a producer and a consumer.

D:\Kafka\bin\windows>.\kafka-console-producer.bat –broker-list localhost:9092 –topic Test

Open Another Command Prompt

Create a producer and send some messages after you've started both a producer and a consumer.

D:\Kafka\bin\windows>.\kafka-console-consumer.bat — topic Test — bootstrap-server localhost:9092 — from-beginning