

Step 1: Install Prerequisites

- Install Java
- Install Kafka

Kafka requires Java to run. Install the latest Java Development Kit (JDK).

1. Download the JDK from [Oracle's Java SE Downloads](#) or [Adoptium](#).
2. Install and set the `JAVA_HOME` environment variable:
 - Right-click **This PC** → **Properties** → **Advanced system settings** → **Environment Variables**.
 - Add a new **System Variable**:
 - Variable name: `JAVA_HOME`
 - Variable value: Path to the JDK (e.g., `C:\Program Files\Java\jdk-17`)
 - Add `%JAVA_HOME%\bin` to the `Path` variable.

CMD: `java -version`

Step 2: Download and Extract Kafka

1. Download Kafka from [Kafka Downloads](#).
 - Select the latest version and download the binary for Scala 2.13.
2. Extract the downloaded `.tgz` file using a tool like 7-Zip into a folder, e.g., `C:\kafka`.
3. Download location: `C:\kafka\kafka_2.13-3.9.0`