

Hands-on Workshop: Migrating from Apache Kafka to Confluent Cloud Prerequisites

▼ Installing prerequisites on MAC

Install the prerequisites by running:

None

```
brew install git terraform confluentinc/tap/cli awscli
```

Install Kafka command-line interface (CLI) on your laptop without running a local Kafka server.

1. Download the Kafka binaries:

None

```
cd /$HOME
curl -O
https://downloads.apache.org/kafka/3.9.0/kafka_2.13-3.9.0.tgz
tar -xzf kafka_2.13-3.9.0.tgz
mv kafka_2.13-3.9.0 kafka
```

2. Configure Your System's PATH:

2.1. Open your shell profile file. This is typically `~/.zshrc` for Zsh (the default on modern macOS) or `~/.bash_profile` or `~/.bashrc` for Bash.

2.2. Add the following line to the end of the file.

None

```
export PATH="$PATH:$HOME/kafka/bin"
```

2.3. Apply the changes by restarting your terminal or running `source ~/.zshrc` (or the appropriate file for your shell).

▼ Installing prerequisites on Windows

Install the prerequisites by running:

None

```
winget install --id Git.Git -e  
  
winget install --id Hashicorp.Terraform -e  
  
winget install --id ConfluentInc.Confluent-CLI -e  
  
winget install --id Amazon.AWSCLI -e  
  
winget install --id Microsoft.OpenJDK.17 -e
```

Install Kafka command-line interface (CLI) on your laptop without running a local Kafka server.

1. Go to the Apache Kafka downloads page and find the archive for **2.13-3.9.0**. Download the binary **.tgz** file.
2. Windows doesn't natively handle **.tgz** files well. Use a tool like 7-Zip to extract the contents. Extract the files to a simple path, like **C:\kafka**.
3. The Kafka CLI scripts for Windows are located in the **bin\windows** directory.

3.1. Open the "Environment Variables" settings:

- Press **Win + S** and search for "Edit the system environment variables."
- Click the "Environment Variables..." button.

3.2. Edit the Path variable: In the "System variables" section, find and select the **Path** variable, then click "Edit."

3.3. Add the Kafka **bin \ windows path:**

- Click "New" and paste the full path to the **bin \ windows** directory inside your extracted
- Save your changes by clicking "OK" on all the windows.
- Restart your Command Prompt or PowerShell for the changes to take effect.

We'll provide detailed setup steps, but having these ready will enhance your experience.

P.S. Don't forget to register for [Confluent Cloud](#)!