RAJAT VERMA | SOFTWARE TESTING

SOFTWARES SETUP | OS | MAC

MAVEN

Maven™

What is Maven?

1. Maven is a popular open-source build tool developed by the Apache Group to build, publish, and deploy several projects at once for better project management

2. Maven requires **JAVA** to execute. So we will have to first install Java and then maven into our Mac OS

3. Verifying the JDK installation

    a. **java -version**

```
App/usr/bin:/usr/bin:/bin:/usr/sbin:/sbin:/Library/Apple/usr/bin:usr/bin/usr/bin
[rajatverma@rajats-MacBook-Air ~ % java -version
java version "15.0.2" 2021-01-19
Java(TM) SE Runtime Environment (build 15.0.2+7-27)
Java HotSpot(TM) 64-Bit Server VM (build 15.0.2+7-27, mixed mode, sharing)
rajatverma@rajats-MacBook-Air ~ %
```

How to download Maven?

1. Go to URL:
   a. https://maven.apache.org/download.cgi
2. Download the **"Binary tar.gz archive"** file

Link	
Binary tar.gz archive	apache-maven-3.8.7-bin.tar.gz

How to install Maven?

1. Put this file into some directory
   a. Example: Softwares/apache-maven-3.8.7
2. Extract the downloaded file
   a. By double click on it

📁 apache-maven-3.8.4	>		📁 bin	>
📄 apache-maven-3.8.4-bin.zip			📁 boot	>
📁 apache-maven-3.8.7	>		📁 conf	>
📄 apache-mave....8.7-bin.tar.gz			📁 lib	>
			📄 LICENSE	
			📄 NOTICE	
			📄 README.txt	
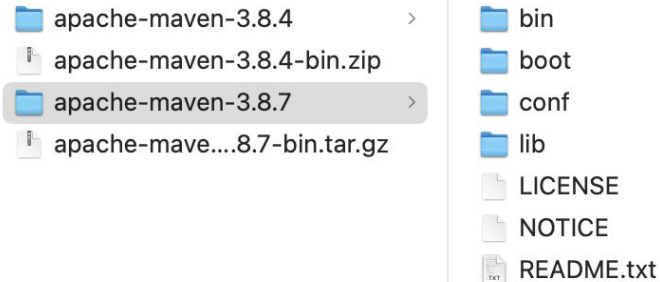
Setup Environment Variable - M2_HOME and Path

1. Commands
   a. To open **.zshrc** file
      i. **cd ~/**
      ii. **open -e .zshrc**
      iii. **export JAVA_HOME=$(/usr/libexec/java_home -v15.0.2)**
      iv. **export M2_HOME="/Users/rajatverma/Desktop/Work/Softwares/apache-maven-3.8.7"**
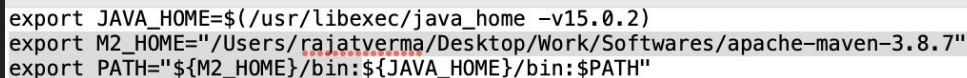   **export PATH="${M2_HOME}/bin:${JAVA_HOME}/bin:$PATH"**
      v. **source .zshrc**

```
● ● ●                          📄 .zshrc — Edited
export JAVA_HOME=$(/usr/libexec/java_home -v15.0.2)
export M2_HOME="/Users/rajatverma/Desktop/Work/Softwares/apache-maven-3.8.7"
export PATH="${M2_HOME}/bin:${JAVA_HOME}/bin:$PATH"
```

Setup Environment Variable - M2_HOME and Path .... (2)

1. Commands
   a. To verify the setup
      i. **echo $M2_HOME**
      ii. **echo $PATH**

   b. **Maven version**
      i. **mvn -version**

```
rajatverma@rajats-MacBook-Air ~ % echo  $M2_HOME
/Users/rajatverma/Desktop/Work/Softwares/apache-maven-3.8.7
rajatverma@rajats-MacBook-Air ~ % echo $PATH
/Users/rajatverma/Desktop/Work/Softwares/apache-maven-3.8.7/bin:/Library/Java/JavaVirtualMachine
s/jdk-15.0.2.jdk/Contents/Home/bin:/Library/Java/JavaVirtualMachines/jdk-15.0.2.jdk/Contents/Hom
e/bin:/Users/rajatverma/Library/Java/JavaVirtualMachines/corretto-17.0.4.1/Contents/Home/bin:/Us
ers/rajatverma/Library/Android/sdk/tools:/Users/rajatverma/Library/Android/sdk/platform-tools:/b
in:/Users/rajatverma/Library/Android/sdk/tools:/Users/rajatverma/Library/Android/sdk/platform-to
ols:/Users/rajatverma/Library/Android/sdk/tools:/Users/rajatverma/Library/Android/sdk/platform-t
ools:/Users/rajatverma/Library/Java/JavaVirtualMachines/corretto-17.0.4.1/Contents/Home/bin
:/Users/rajatverma/Library/Android/sdk/tools:/Users/rajatverma/Library/Android/sdk/platform-tool
s:/usr/local/bin:/System/Cryptexes/App/usr/bin:/usr/bin:/bin:/usr/sbin:/sbin:/Library/Apple/usr/
binevalevalevaleval
rajatverma@rajats-MacBook-Air ~ % ;2C
```

```
binevalevalevaleval
rajatverma@rajats-MacBook-Air ~ % mvn -version
Apache Maven 3.8.7 (b89d5959fcde851dcb1c8946a785a163f14e1e29)
Maven home: /Users/rajatverma/Desktop/Work/Softwares/apache-maven-3.8.7
Java version: 15.0.2, vendor: Oracle Corporation, runtime: /Library/Java/JavaVirtualMachines/jdk
-15.0.2.jdk/Contents/Home
Default locale: en_IN, platform encoding: UTF-8
OS name: "mac os x", version: "10.16", arch: "x86_64", family: "mac"
rajatverma@rajats-MacBook-Air ~ %
```

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RAJAT VERMA

SOFTWARE TEST ENGINEER

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