Maven Fundamentals

# **How to install Maven on Windows?**

Make sure JDK is installed, and JAVA\_HOME environment variable is configured.

**Step 1: Check if maven is already installed or not.**

Go to Command Prompt  mvn –version

**Step2: Visit**[**Maven official website**](http://maven.apache.org/download.cgi)**, download the Maven zip file, for example.**

<https://maven.apache.org/download.cgi>

**Step 3: Unzip it to a folder in program files**

C:\Program Files\apache-maven-3.6.3

**Step 4: Add a MAVEN\_HOME and M2\_HOME system variables, and point it to the Maven folder.**

C:\Program Files\apache-maven-3.6.3

**Step 5: Add %MAVEN\_HOME%\bin to PATH**

In “Edit environment variable” dialog, clicks on the New button and add this

%MAVEN\_HOME%\bin or C:\Program Files\apache-maven-3.6.3\bin

**Step 6: Verify whether maven is installed and configured or not.**

Go to Command Prompt  mvn –version

Apache Maven 3.6.3 (cecedd343002696d0abb50b32b541b8a6ba2883f)

Maven home: C:\Program Files\apache-maven-3.6.3\bin\..

Java version: 1.8.0\_231, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk1.8.0\_231\jre

Default locale: en\_IN, platform encoding: Cp1252

OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"

# **How to install Maven on Mac OS?**

Make sure JDK is installed, and JAVA\_HOME environment variable is configured.

**Step 1: Check if maven is already installed or not.**

Go to terminal  mvn –version

**Step2: Visit**[**Maven official website**](http://maven.apache.org/download.cgi)**, download the Maven zip file, for example.**

<https://maven.apache.org/download.cgi>

**Step 3: Unzip it to a folder in program files**

/home/dell/apache-maven-3.6.3

sudo mv /home/dell/downloads/ apache-maven-3.6.3 to /home/dell

**Step 4: Add M2\_HOME system variable, and point it to the Maven folder.**

Go to terminal  set below addressed path:

export M2\_HOME=/home/dell/apache-maven-3.6.3/

**Step 5: Add %MAVEN\_HOME%\bin to PATH**

Go to terminal  Set below addressed path:

export PATH=$PATH: /home/dell/downloads/ apache-maven-3.6.3/bin

**Step 6: Verify whether maven is installed and configured or not.**

Go to Command Prompt  mvn –version

Apache Maven 3.6.3 (cecedd343002696d0abb50b32b541b8a6ba2883f)

Maven home: C:\Program Files\apache-maven-3.6.3\bin\..

Java version: 1.8.0\_231, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk1.8.0\_231\jre

Default locale: en\_IN, platform encoding: Cp1252

OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"

Note: The above configuration will be valid for only one session. If you open another terminal and check whether maven is configured or not. You will be prompted out with error.

**To set maven configuration globally, we need to create bash profile.**

Go to terminal  Execute below commands:

* touch .bash\_profile
* gedit .bash\_profile

export M2\_HOME=/home/dell/apache-maven-3.6.3/

export PATH=$PATH: /home/dell/downloads/ apache-maven-3.6.3/bin

Relaunch the terminal and check whether maven is configured or not.

mvn --version

# **How to view local repositories?**

**If you are using command terminal:**

**Step 1: To see the current path**

Go to terminal  pwd

**Step 2  To navigate to local repository location**

Go to terminal  type following commands:

cd .m2

cd repository/

pwd

ls -all

**If you are using GUI explorer:**

**Step 1: Go to Home folder**

home/dell

**Step 2: Show hidden files**

Menu -> Select Show all hidden files checked

**Step 3: Explore .m2/repository**

**Step 4: Examine All local repositories**