

# Maven Installation and Setup

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Maven is Java based tool, so the very first requirement is to have JDK installed on your machine.

## **System Requirement**

Java 1.5 or above

## **Step 1 - verify Java installation on your machine**

```
java -version
```

## **Step 2: Set JAVA environment**

### **Windows:**

```
JAVA_HOME=C:\Program Files\Java\jdk1.8.0_60
```

```
PATH=%JAVA_HOME%\bin
```

### **MAC:**

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## **Step 3: Download Maven archive**

Download Maven 2.2.1 from <http://maven.apache.org/download.html>

Zip file for windows

tar.gz file for MAC

## **Step 4: Extract the Maven archive**

Extract the archive, to the directory you wish to install Maven 3.3.3. The subdirectory apache-maven-2.2.1 will be created from the archive.

### **Recommended Location:**

Windows: C:\Program Files\Apache\apache-maven-3.3.3

MAC: /usr/local/apache-maven

## **Step 5: Set Maven environment variables**

### **Windows:**

Set the environment variables using system properties.

```
M2_HOME= C:\Program Files\Apache\apache-maven-3.3.3
```

```
M2=%M2_HOME%\bin
```

```
MAVEN_OPTS=-Xms256m -Xmx512m
```

### **MAC:**

Open command terminal and set environment variables.

```
export M2_HOME=/usr/local/apache-maven/apache-maven-2.2.1
export M2=$M2_HOME/bin
export MAVEN_OPTS=-Xms256m -Xmx512m
```

### **Step 6: Add Maven bin directory location to system path**

Windows: Append the string ;%M2% to the end of the system variable, Path.

MAC: export PATH=\$M2:\$PATH

### **Step 8: Verify Maven installation**

```
mvn --version
```