

COMP 3095

Download and Install Maven



# Download Maven

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

## Files

Maven is distributed in several formats for your convenience. Simply pick a ready-made binary distribution archive and follow the [installation instructions](#). Use a source archive if you intend to build Maven yourself.

In order to guard against corrupted downloads/installations, it is highly recommended to [verify the signature](#) of the release bundles against the public [KEYS](#) used by the Apache Maven developers.

	Link	Checksums	Signature
Binary tar.gz archive	<a href="#">apache-maven-3.8.6-bin.tar.gz</a>	<a href="#">apache-maven-3.8.6-bin.tar.gz.sha512</a>	<a href="#">apache-maven-3.8.6-bin.tar.gz.asc</a>
Binary zip archive	<a href="#">apache-maven-3.8.6-bin.zip</a>	<a href="#">apache-maven-3.8.6-bin.zip.sha512</a>	<a href="#">apache-maven-3.8.6-bin.zip.asc</a>
Source tar.gz archive	<a href="#">apache-maven-3.8.6-src.tar.gz</a>	<a href="#">apache-maven-3.8.6-src.tar.gz.sha512</a>	<a href="#">apache-maven-3.8.6-src.tar.gz.asc</a>
Source zip archive	<a href="#">apache-maven-3.8.6-src.zip</a>	<a href="#">apache-maven-3.8.6-src.zip.sha512</a>	<a href="#">apache-maven-3.8.6-src.zip.asc</a>

# Install Maven

## 2. <https://maven.apache.org/install.html>

### Installing Apache Maven

The installation of Apache Maven is a simple process of extracting the archive and adding the `bin` folder with the `mvn` command to the `PATH`.

Detailed steps are:

- Have a JDK installation on your system. Either set the `JAVA_HOME` environment variable pointing to your JDK installation or have the `java` executable on your `PATH`.
- Extract distribution archive in any directory

```
1. unzip apache-maven-3.8.6-bin.zip
```

or

```
1. tar xzvf apache-maven-3.8.6-bin.tar.gz
```

Alternatively use your preferred archive extraction tool.

- Add the `bin` directory of the created directory `apache-maven-3.8.6` to the `PATH` environment variable
- Confirm with `mvn -v` in a new shell. The result should look similar to

```
1. Apache Maven 3.8.6 (84538c9988a25aec085021c365c560670ad80f63)
2. Maven home: /opt/apache-maven-3.8.6
3. Java version: 1.8.0_45, vendor: Oracle Corporation
4. Java home: /Library/Java/JavaVirtualMachines/jdk1.8.0_45.jdk/Contents/Home/jre
5. Default locale: en_US, platform encoding: UTF-8
6. OS name: "mac os x", version: "10.8.5", arch: "x86_64", family: "mac"
```

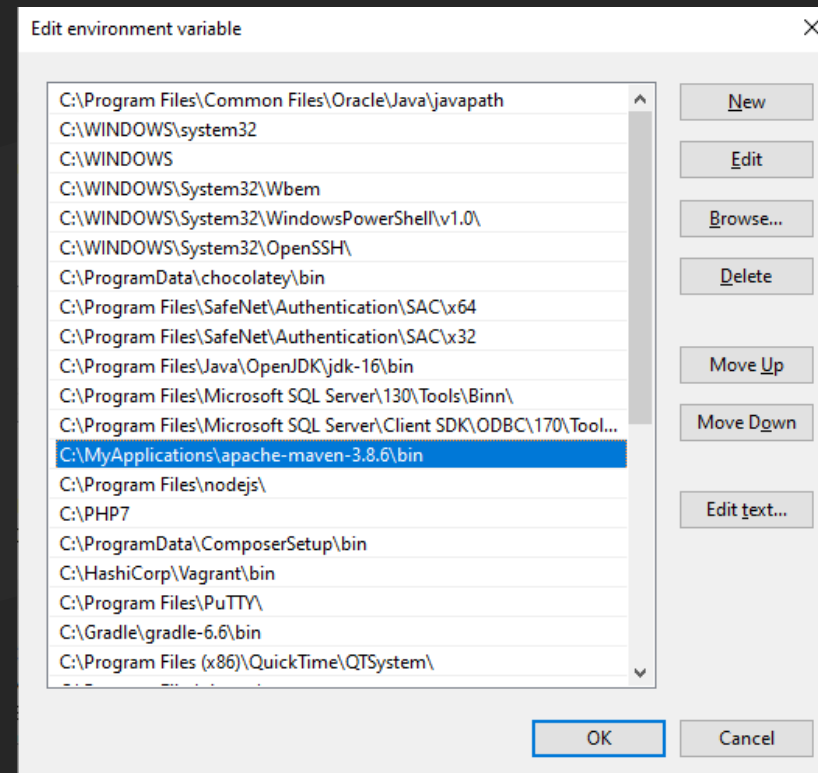
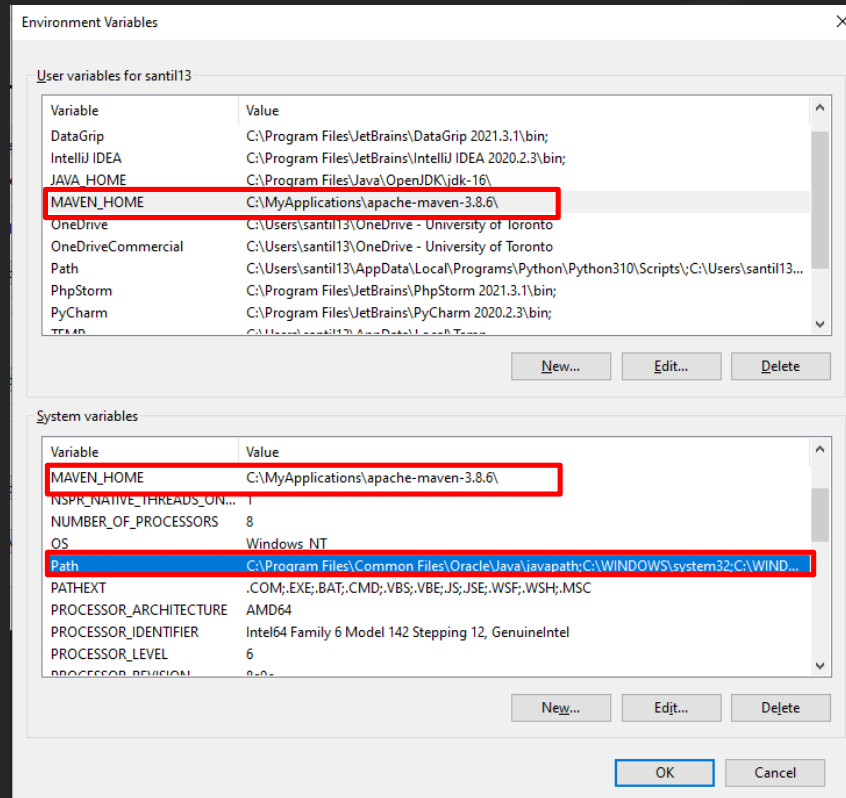
### Windows Tips

- Check environment variable value e.g.

```
1. echo %JAVA_HOME%
2. C:\Program Files\Java\jdk1.7.0_51
```

# Install Maven

## 3. Extract and add to classpath



# Install Maven

## 4. Verify

```
C:\Users\santil13 > mvn --version
λ mvn --version
Apache Maven 3.8.6 (84538c9988a25aec085021c365c560670ad80f63)
Maven home: C:\MyApplications\apache-maven-3.8.6
Java version: 16, vendor: Oracle Corporation, runtime: C:\Program Files\Java\OpenJDK\jdk-16
Default locale: en_US, platform encoding: Cp1252
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"
```

Questions?