

# Installing and Running Maven

## First Steps



# Module Objectives

- Install Java 7
- Downloading Maven
- Installing Maven
- Running Maven
- Questions

# Install Java 7

Maven is designed to run on Java 6 or higher.

**This class uses Java 7.**

1. Visit Oracle's JavaSE Page: <http://java.oracle.com>
2. Download Java Development Kit (JDK)
3. Install JDK
4. Set the JAVA\_HOME variable to point to the installation directory

# Downloading Maven

.. is Easy

1. Go to <http://maven.apache.org/download.cgi>
2. Download zip or tar.gz file, contents are identical
  - [apache-maven-3.2.1-bin.tar.gz](#)
  - [apache-maven-3.2.1-bin.zip](#)

# Installing Maven

1. Unpack the Maven distribution in any directory
  - e.g. extraction in /opt will create /opt/apache-maven-3.2.1
2. Set two environment variables:
  - `M2_HOME` should point to /opt/apache-maven-3.2.1
  - `PATH` add `${M2_HOME}/bin` to `PATH`
3. Restart shell to pick-up environment variable changes

# Running Maven

Once Maven has been installed, run the following command:

```
$ mvn -v
Apache Maven 3.2.1 (ea8b2b07643dbb1b84b...;
 2014-02-14T09:37:52-08:00)
Maven home: /opt/apache-maven-3.2.1
Java version: 1.7.0_55, vendor: Oracle Corporation
Java home: /Library/Java/JavaVirtualMachines/
           jdk1.7.0_55.jdk/Contents/Home/jre
Default locale: en_US, platform encoding: UTF-8
OS name: "mac os x", version: "10.8.5",
arch: "x86_64", family: "mac"
```

