**Apache Maven** is a open source software project management and build automation tool, that is based on the conception of a project object model (**POM**), which is primarily used for deploying Java-based applications, but can also be used on projects written in **C#**, **Ruby** and other programming languages.

In this article, I will explain how to install and configure latest version of **Apache Maven** on a **CentOS 7** system (the given instructions also works on **RHEL** and **Fedora** distribution).

#### Prerequisites

* A newly deployed or existing CentOS 7 server instance.
* **Java Development Kit (JDK)** – Maven 3.3+ require JDK 1.7 or above to execute.

### Install OpenJDK 8 in CentOS 7

**Java Development Kit (JDK)** is a primary requirement to install **Apache Maven**, so first install Java on CentOS 7 system from the default repository and verify the version using following commands.

# yum install -y java-1.8.0-openjdk-devel

# java -version

If installation went well, you see the following output.

openjdk version "1.8.0\_141"

OpenJDK Runtime Environment (build 1.8.0\_141-b16)

OpenJDK 64-Bit Server VM (build 25.141-b16, mixed mode)

### Install Apache Maven in CentOS 7

Next, go to the [official Apache Maven download](https://maven.apache.org/download.cgi) page and grab the latest version or use the following wget command to download it under the maven home directory **‘/usr/local/src’**.

# cd /usr/local/src

# wget http://www-us.apache.org/dist/maven/maven-3/3.5.4/binaries/apache-maven-3.5.4-bin.tar.gz

Extract the downloaded archive file, and rename it using following commands.

# tar -xf apache-maven-3.5.4-bin.tar.gz

# mv apache-maven-3.5.4/ apache-maven/

### Configure Apache Maven Environment

Now we need to configure the environments variables to pre-compiled Apache Maven files on our system by creating a configuration file **‘maven.sh’** in the **‘/etc/profile.d’** directory.

# cd /etc/profile.d/

# vim maven.sh

Add the following configuration in **‘maven.sh’** configuration file.

# Apache Maven Environment Variables

# MAVEN\_HOME for Maven 1 - M2\_HOME for Maven 2

export M2\_HOME=/usr/local/src/apache-maven

export PATH=${M2\_HOME}/bin:${PATH}

Now make the **‘maven.sh’** configuration file executable and then load the configuration by running the **‘source’** command.

# chmod +x maven.sh

# source /etc/profile.d/maven.sh

### Check Apache Maven Version

To verify Apache Maven installation, run the following **maven** command.

# mvn --version

And you should get a output similar to the following:

Apache Maven 3.5.4 (1edded0938998edf8bf061f1ceb3cfdeccf443fe; 2018-06-