

Maven

Maven Life Cycle: There are 7 steps in Maven Build Life cycle.

Step1: Generate Resources

Download file from dlcdn.apache.org

<https://dlcdn.apache.org/maven/maven-3/3.9.4/binaries/apache-maven-3.9.4-bin.tar.gz>

Download this file using wget command

`wget https://dlcdn.apache.org/maven/maven-3/3.9.4/binaries/apache-maven-3.9.4-bin.tar.gz`

IT WILL DOWNLOAD THE TAR.GZ FILE SO, WE HAVE TO UNTAR THE FILE

Command: `tar -zxvf filename`

Install Java: `yum install java-1.8.0-openjdk -y`

To check java version: `java -version`

Install Maven: `yum install maven -y`

To check Maven version: `mvn -v`

Go to the Apache folder:

Generate Project: `mvn archetype:generate` (we have to provide artifact id and group id)

STEP2: Compile the code

Goal: `mvn compile`

STEP3: Test the code

Goal: `mvn test`

STEP4: Build the code

Goal: `mvn package`

STEP5: Install the code

Goal: `mvn install`

STEP6: Clean the code(Optional)

Goal: `mvn clean`

Note: To do all these steps in a single goal: `mvn clean package`