Maven-Build Life Cycle

WE HAVE 7 PHASES IN BUILD LIFE CYCLE

STEP-1: GENERATE RESOURCES

INSTALL JAVA : Yum install java -y

TO CHECK THE VERSION: java -version

INSTALL MAVEN : yum install maven -y

Eg:Download latest Maven

wget https://downloads.apache.org/maven/maven-3/3.9.6/binaries/apache-maven-3.9.6-bin.zip

unzip apache-maven-3.9.6-bin.zip

sudo mv apache-maven-3.9.6 /opt/maven

Set environment variables (add to ~/.bashrc or ~/.zshrc)

export M2_HOME=/opt/maven

export PATH=$M2_HOME/bin:$PATH

Reload your shell

source ~/.bashrc

TO CHECK VERSION: mvn -v

GO TO FOLDER (APACHE FOLDER) GENERATE A PROJECT : mvn archetype:generate (we have to provide artifact & group id's)

STEP-2: COMPILE THE CODE GOAL : mvn compile

STEP-3: TEST THE CODE GOAL: mvn test

STEP-4: BUILDN THE CODE GOAL: mvn package

STEP-5: INSTALL THE CODE GOAL: mvn install

STEP-6: CLEAN THE CODE (opt) GOAL: mvn clean

NOTE: TO DO AL THESE STEPS IN SINGLE GOAL : mvn clean packag.