1. Java compiler version
2. Using plugin

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.6.1</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

</plugins>

</build>

1. Using properties

<properties>

<maven.compiler.target>1.8</maven.compiler.target>

<maven.compiler.source>1.8</maven.compiler.source>

</properties>

1. Installing maven

Step 1: install JDK, set JAVA\_HOME to C:\Program Files\Java\jdk1.8.0\_91, update path for java compiler

Step 2: download maven (apache-maven-3.6.0-bin.zip)

Step 3: extract zip file

Step 4: set M2\_HOME to C:\Users\dadjadha\Documents\MavenJenkinSonar\apache-maven-3.6.0

Step 5: M2=%M2\_HOME%\bin , MAVEN\_OPTS=-Xms256m -Xmx512m

Step 6 - Add Maven bin Directory Location to System Path, add  ;%M2% to path variable

1. Creating project documentation

Inside build add following plugin

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-resources-plugin</artifactId>

<version>2.6</version>

<executions>

<execution>

<phase>test</phase>

<goals>

<goal>resources</goal>

<goal>testResources</goal>

</goals>

</execution>

</executions>

</plugin>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-project-info-reports-plugin</artifactId>

<version>2.7</version>

</plugin>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-clean-plugin</artifactId>

<version>2.5</version>

<configuration>

<filesets>

<fileset>

<directory>src/main/generated-groovy-stubs</directory>

</fileset>

</filesets>

</configuration>

</plugin>

1. Creating executable jar

<build>

<plugins>

<plugin>

<!-- Build an executable JAR -->

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-jar-plugin</artifactId>

<version>2.4</version>

<configuration>

<archive>

<manifest>

<mainClass>com.capgemini.App</mainClass>

</manifest>

</archive>

</configuration>

</plugin>

</plugins>

</build>

1. Add external dependency

<dependency>

<groupId>mydependency</groupId>

<artifactId>mydependency</artifactId>

<scope>system</scope>

<version>1.0</version> <systemPath>${basedir}\dm.jar</systemPath>

</dependency>