



MVN



package, install and deploy



MVN Package

- Creates JAR under target directory of Project.
- Command: `mvn package`

MVN Install

- Deploy artifact to local repository.
- Local repository path: ~/.m2/repository
- Command: mvn install

MVN Deploy (Hosting Artifacts to AWS S3)

Deploy maven artifact to remote repository for sharing with other developers and projects.

```
<distributionManagement>
  <repository>
    <id>mvn-deploy-demo</id>
    <url>s3://mvn-deploy-demo/artifacts</url>
  </repository>
</distributionManagement>
```

MVN Deploy Contd...

We need an extension under build in Pom.xml

```
<extensions>
  <extension>
    <groupId>com.gkatzioura.maven.cloud</groupId>
    <artifactId>s3-storage-wagon</artifactId>
    <version>1.0</version>
  </extension>
</extensions>
```

MVN Deploy Contd...

Get AWS access key and secret key and put them in settings.xml. You may keep this file in projects root directory. Eg: ./maven/settings/settings.xml

```
<settings>
  <servers>
    <server>
      <id>mvn-deploy-demo</id>
      <username>Access Key Here</username>
      <password>Secret Here</password>
    </server>
  </servers>
</settings>
```

MVN Deploy Contd...

Command to deploy artifact to remote repository.

```
mvn --settings ./maven/settings/settings.xml clean deploy
```