1. To download dependencies from nexus, add the below section to your pom.xml. Make sure you have included the **url** to your repo and **id** field. Don’t change the id field it should be **jenkins**

<repositories>

<repository>

<id>jenkins</id>

<name>Optional Name</name>

<url>link to your repo </url>

</repository>

</repositories>

1. If your project has dependencies from more than one repository, then you cannot use jenkins id for others repos, you need to change the id field. To deal with this, we created five more ids that you can use, jenkins1, jenkins2, jenkins3, jenkins4 and jenkins5.

**Note**: Devframework repo is open to all to download so, you don’t have to use an id field

<repositories>

<repository>

<id> anyID </id>

<url>https://nexus.prod.cloud.fedex.com:8443/nexus/content/repositories/devframeworkrepo/ </url>

</repository>

<repository>

<id>jenkins</id>

<name>Optional Name</name>

<url>link to your repo </url>

</repository>

<repository>

<id>jenkins1</id>

<name>Optional Name</name>

<url>link to your repo </url>

</repository>

<repository>

<id>jenkins2</id>

<name>Optional Name</name>

<url>link to the repo </url>

</repository>

<repository>

<id>jenkins3</id>

<name>Optional Name</name>

<url>link to the repo </url>

</repository>

</repositories>

1. If your project has its **own** settings.xml or you are running on a **local machine,** then you need to add server section to the settings.xml and you should provide your LDAP credentials.

<server>

<id>test</id>

<username>yourID</username>

<password> yourpassword </password>

</server>

1. In case, you are using **own settings.xml** then make sure you are using the **same server id** in your pom.xml

<repositories>

<repository>

<id>should match server id field in your settings.xml</id>

<name>Optional Name</name>

<url>link to your repo </url>

</repository>

</repositories>

1. **Storing** your **passwords** in plain text is **not** **recommended** so, use our document on how to **encrypt** your **credentials** in maven. When you encrypt the passwords your password will look something like below.

<server>

<id> should match server id field in your settings.xml </id>

<username>yourID </username>

<password>{1jX27R3vZjEHGY/qCjf+z/S9KU9gXiayakXT/hfpZEA=}</password>

</server>

1. To deploy your artifacts on to nexus, you need to add **maven deploy plugin** to your pom’s plugins section.

<plugin>

<artifactId>maven-deploy-plugin</artifactId>

<version>2.8.1</version>

<executions>

<execution>

<id>default-deploy</id>

<phase>deploy</phase>

<goals>

<goal>deploy</goal>

</goals>

</execution>

</executions>

</plugin>

1. Now you need to add **distribution management** section to your pom.xml. Repos are categorized in to two based on policy, **SNAPSHOT** and **RELEASE**. SNAPSHOT repositories are generally used for development purpose while, RELEASE repos are used for actual release of the application.

<distributionManagement>

<repository>

<id>jenkins</id>

<name>deploy</name>

<url>link to your **RELEASE** repository </url>

</repository>

<snapshotRepository>

<id>jenkins</id>

<name>deploy</name>

<url>link to your **snapshot** repository </url>

</snapshotRepository>

</distributionManagement>

1. Based on the **version setting** in your pom.xml, maven **automatically** **decides** what repo to use in the distribution management. For example, if you specify just 5.0.0 in the version then maven picks RELEASE repository and if you specify 5.0.0-SNAPSHOT then maven picks the SNAPSHOT repository in distribution management.

<version>5.0.0</version>

<version>5.0.0-SNAPSHOT</version>

1. Generally, you are **not allowed** to **deploy** the artifact with **same version number** in **RELEASE** repository while, you can with SNAPSHOT repository. For example, if you have deployed an artifact with 1.0.0 version in RELEASE repository then you have to change the version for next deployment but, with SNAPSHOT repo you can use the same version for next deployments also. It simply overrides the previous artifact.
2. Use **mvn deploy** from command line to deploy on to nexus