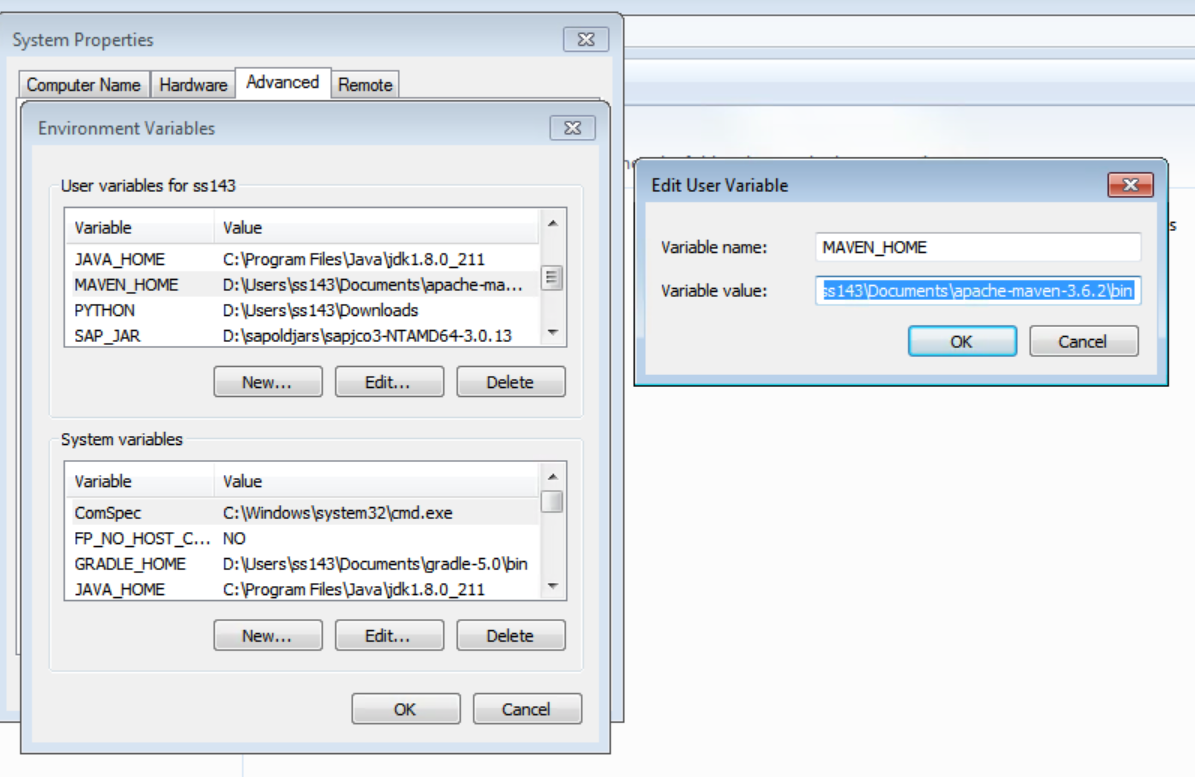
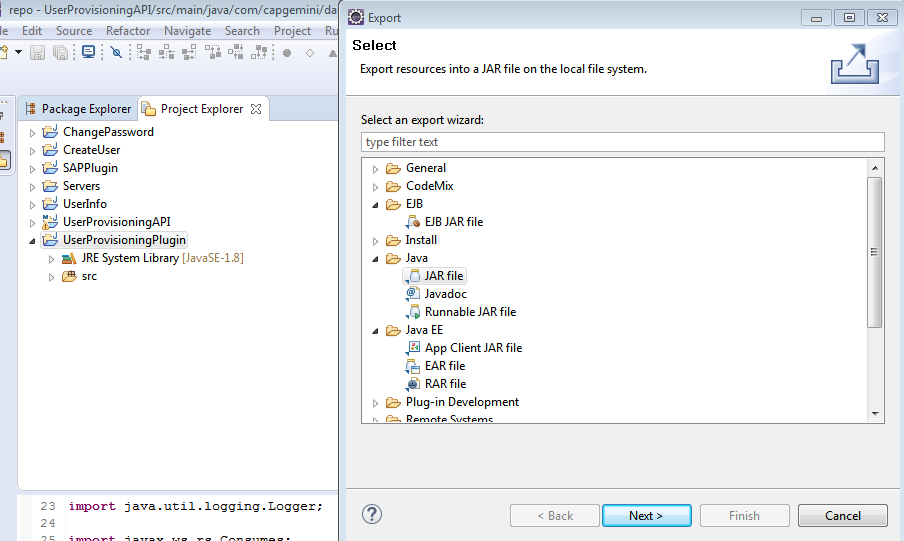
**Projects on the repo-**

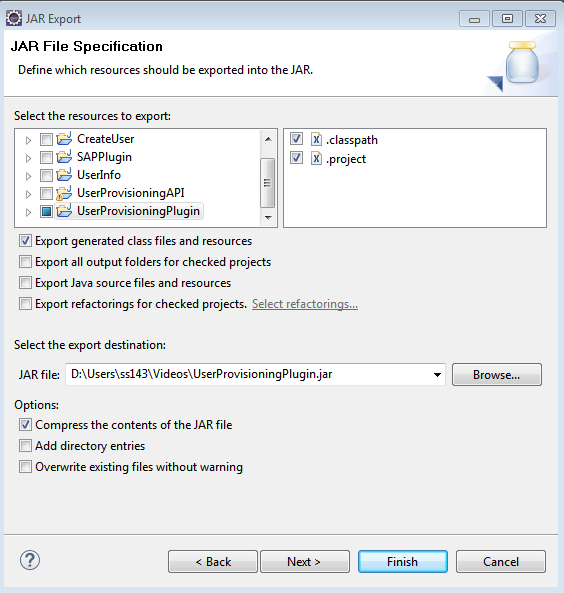
1. UserProvisioningAPI-Import it as a Maven Project.
2. UserProvisioningPlugin (interface)- Import it as a Java Project.
3. SAPPlugin-Import it as a Java Project.
4. Configuration files-SAPParam.properties & UserProvisioning.properties(Not necessary to import).
5. Before running the project make sure JDK 1.8 and Maven are installed and added to the environment variables or classpath variables.
6. For JDK 1.8🡪Java Build path 🡪 Add jdk path and click ok.

**Working With Maven**

1. <https://archive.apache.org/dist/maven/maven-3/> --Download maven from here
2. Then set the path to your maven installation in environment variables.
3. Also in the “path variable”-🡪 Until bin As “<D:\Users\ \Documents\apache-maven-3.6.2\bin”

**For UserProvisioning plugin jar installation**

1. Right click and export it as “ Jar File”



3.Click on next and Finish

4 Go to Command prompt and enter the following command

mvn install:install-file -Dfile=<path to exported JAR>

-DgroupId=com.capgemini.dac.automate -DartifactId=UserProvisioningPlugin

-Dversion=1.0 -Dpackaging=jar -DgeneratePom=true

This will install the Interface Jar(UserProvisioningPlugin) in your local Maven repo.(.m2 repo)

5. Then include the following dependency in your pom file:

<dependency>

<groupId>com.capgemini.dac.automate</groupId>

<artifactId>UserProvisioningPlugin</artifactId>

<version>1.0</version>

</dependency>

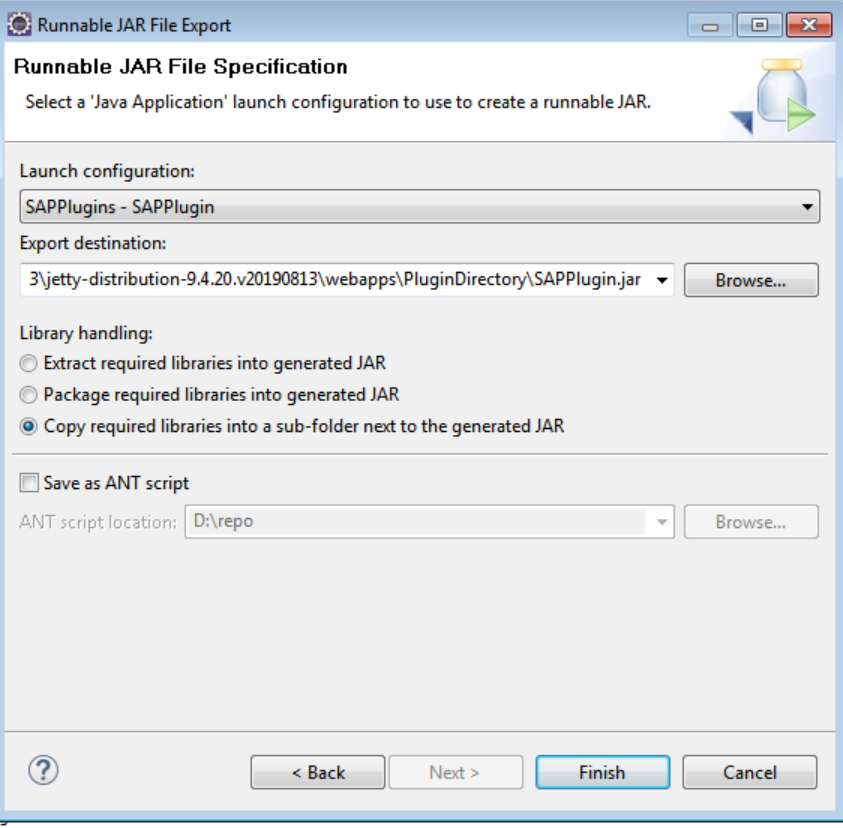
6. Update the maven project(UserProvisioningAPI)

**FOR SAPPlugin(JAVA PROJECT)**

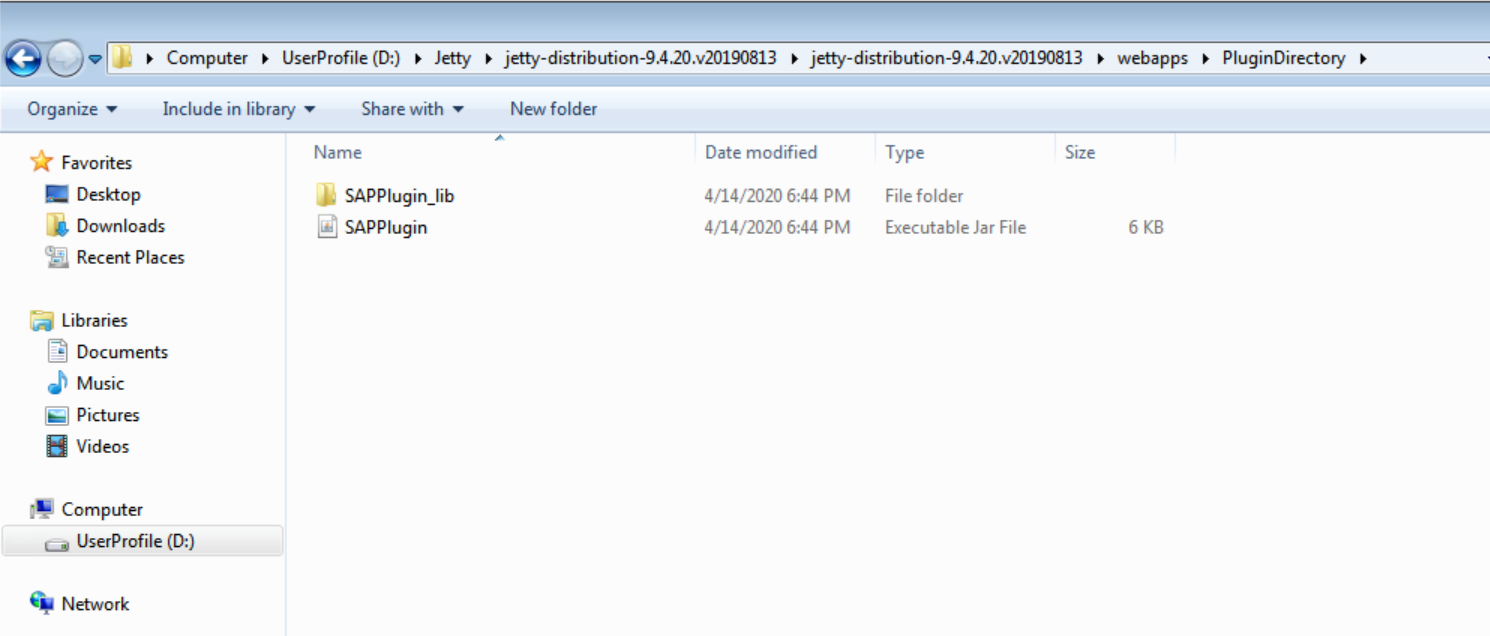
1. Add into your workspace

2. Make sure sapjco3 is in the lib folder and into your SAP plugin by doing a build Path.

3 .Right click and export it as runnable jar file .

3. 

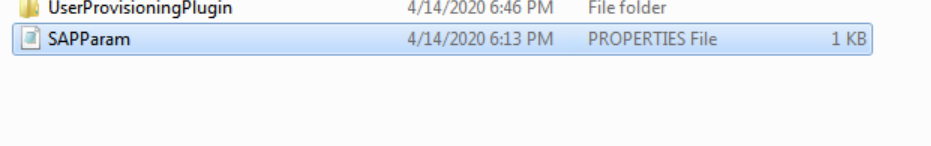
4. Once exported check if the exported files exist in the path\_to\_plugin-directory like



**Configuration files**

* **SAP.properties(configuration file)**

This is particular to SAPPlugin Configuration



* **userProvisioning.properties**

This file contains the path of plugins

PATH\_TO\_PLUGIN\_DIRECTORY = /opt/jetty/jetty-distribution-9.4.18.v20190429/webapps/PluginDirectory

**Deployment Steps**

**UserProvisioningAPI**

* Create the directory /etc/userprovisioningapi
* Create/copy the file userprovisioning.properties
* Change the configuration of (Path\_to\_plugin\_directory) Properties file path to /etc/userprovisioningapi /UserProvisioning.properties(Linux).
* In the userProvisioning.properties, provide the Plugin Directory

PATH\_TO\_PLUGIN\_DIRECTORY = /opt/jetty/jetty-distribution-9.4.18.v20190429/webapps/PluginDirectory

* Copy the logging.properties to /etc/userprovisioningapi/
* Change the logging.properties file path to /var/userprovisioningapi/ /UserProvisioningAPI.log

**SAPPlugin**

**Deployment Steps**

**UserProvisioningAPI**

·       Create the directory /etc/userprovisioningapi

·       Create/copy the file userprovisioning.properties

·       Change the configuration of (Path\_to\_plugin\_directory) Properties file path to /etc/userprovisioningapi /userProvisioning.properties(Linux).

·       In the userProvisioning.properties, provide the Plugin Directory

PATH\_TO\_PLUGIN\_DIRECTORY = /opt/jetty/jetty-distribution- 9.4.18.v20190429/webapps/PluginDirectory

·       Create the directory webapps/PluginDirectory

·       Copy the logging.properties to /etc/userprovisioningapi/

·       Change the logging.properties file path to /var/userprovisioningapi/Logs/UserProvisioningAPI.log

**SAPPlugin**

·       Copy the SAPParam.properties to /etc/userprovisioningapi/

·       Provide the EMAIL and password from which you want the mail to be sent:

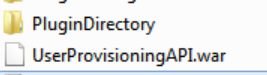
EMAIL = xxxxx@domainname.com

PASSWORDEMAIL = xxxx@1234

The Jetty Directory

/opt/jetty/jetty-distribution-9.4.18.v20190429/webapps

should have



* PluginDirectory with Plugins(SAPPlugin,AutomicPlugin)
* API war file
* **SAPJco3 jar & dll(Windows), libsapjco3.so (Unix) should be present in Jetty Directory** /opt/jetty/jetty-distribution-9.4.18.v20190429/lib/ext
* **Testing**
* Navigate to jetty directory path
* cd /opt/jetty/jetty-distribution-9.4.18.v20190429
* java –jar start.jar (this starts Jetty and test the API)
* or start the jetty service if running as a service
* Change references to /opt/jetty/jetty-distribution-9.4.18.v20190429 to <Jetty Home Directory> since it could be different for different servers.