<https://mavistechchannel.wordpress.com/2010/08/17/how-to-build-a-single-jar-file-with-external-libs/>

How to combine external libs (.jar files) in an own single JAR file.

If you build a JAR file with NetBeans and your project includes external (or own) compile – time libraries, the final JAR files requires the lib folder with the external JARs in the same directory. For some reasons it’s necessary to have just a single JAR file which everything includes.

Sun (Oracle) describes at Use NetBeans IDE 6.7 to Combine JAR Files Into a Single JAR File how to do that.

In a nutshell:

Copy following source code into the <project> tag, right before </project> closing tag.

<target name="package-for-store" depends="jar">

<!-- Change the value of this property to be the name of your JAR,

minus the .jar extension. It should not have spaces.

<property name="store.jar.name" value="MyJarName"/>

-->

<property name="store.jar.name" value="MarsRoverViewer"/>

<!-- don't edit below this line -->

<property name="store.dir" value="store"/>

<property name="store.jar" value="${store.dir}/${store.jar.name}.jar"/>

<echo message="Packaging ${application.title} into a single JAR at ${store.jar}"/>

<delete dir="${store.dir}"/>

<mkdir dir="${store.dir}"/>

<jar destfile="${store.dir}/temp\_final.jar" filesetmanifest="skip">

<zipgroupfileset dir="dist" includes="\*.jar"/>

<zipgroupfileset dir="dist/lib" includes="\*.jar"/>

<manifest>

<attribute name="Main-Class" value="${main.class}"/>

</manifest>

</jar>

<zip destfile="${store.jar}">

<zipfileset src="${store.dir}/temp\_final.jar"

excludes="META-INF/\*.SF, META-INF/\*.DSA, META-INF/\*.RSA"/>

</zip>

<delete file="${store.dir}/temp\_final.jar"/>

</target>

Edit the attributes name and value.

<property name="store.jar.name" value="MarsRoverViewer"/>

Run the target as package-for-store and in the project folder a “store” folder appears. You can find the final TAR file in this folder now.

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