Framework used: JAX-RS, Jersey, JNI(Part of Java SDK/JDK)

IDE = Eclipse (Mars)

JRE = 1.8 (32 bit)

JDK = 1.8 (32 bit)

Dll = (32 bit)

In the VM Options field, add the following option, based on your library’s path:  
java -Djava.library.path=<path\_to\_dll>

Also environment variables should be set to correct path. (Program Files (x86) for 32 bit)

**Used this tutorial for JNI.(up until page 6)**

<http://www.cs.umanitoba.ca/~eclipse/8-JNI.pdf>

Note:

Javah has to be called in the build/classes folder with the full package name, for example: com.webservice.<filename>

C code command line in C project folder(extension cpp instead of c if c++ is used)

Also use g++ as compiler for c++ code.

Switching to the 32 bit JRE when executing works for me. Below are the steps on how to do this exactly in Eclipse:

* Go to *Run*
* Go to *Run configurations*
* Under the *JRE* tab you can switch to the 32 bit JRE