Subject: Java Connector

Posted by aldoma.aitor on Thu, 02 Nov 2006 10:52:32 GMT

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Hi group!

Trying to use the Java Connector examples I am getting some ugly troubles.

IDL version : 6.3
OS version : Fedora Linux on Solaris Ultra 40 machine

Error

Failed to load javaidlb from from default location.
Exception in thread "main" java.lang.UnsatisfiedLinkError:
nativeInitJPAL
      at com.idl.javaidl.JIDLPAL.nativeInitJPAL(Native Method)
      at com.idl.javaidl.JIDLPAL.<clinit>(JIDLPAL.java:186)
      at com.idl.javaidl.JIDLObject.<init>(JIDLObject.java:71)
      at
com.idl.javaidl.java_IDL_connect.<init>(java_IDL_connect.java:23)
      at arrays_example.<init>(arrays_example.java:43)
      at arrays_example.main(arrays_example.java:121)

I guess I have configured my machine correctly setting LD_LIBRARY_PATH,
PATH, CLASSPATH and IDL_PATH   the values proposed in the Bridges
documentation.

Have you tried Java Connector and had the same problem?

Another question,

I want to use Java Connector to include IDL processing power in a
larger Java Application. This application should finally run on a
client machine with JRE and the IDL Virtual Machine.
However, reading the documentation some of the methods of the Wrapper
Object are not available in the IDL Virtual Machine (setVariable,
getVariable and executeString).

Is it possible with the standard wrapper object to call the IDL object
wrapped methods?? I surely will need to get some data from the IDL
object.

This is why, I think I should try using Export Bridge Assistant
(license needed).

Any suggestion or solution will be appreciated.

Thanks in advance.

Subject: Re: Java Connector
Posted by pskellicker on Thu, 02 Nov 2006 20:15:59 GMT
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There are setup scripts for the bridge on Unix systems. If I remember
correctly, first source idl_setup then source bridge_setup

Then, make sure you are pointing to the javaidlb.jar where it lives in
the IDL distribution. For example:

% java -classpath
'/blah/idl63/resources/bridge/export/java/javaidlb.jar:<others >'
myClass

You can also specify a command-line option to help debug any library
loading issues:
% java -DIDL_LOAD_DEBUG -classpath
'/blah/idl63/resources/bridge/export/java/javaidlb.jar:<others >'
MyClass

aldoma.aitor@gmail.com wrote:
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Subject: Re: Java Connector
Posted by Aitor Aldoma on Fri, 03 Nov 2006 11:47:43 GMT
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Wow thanks,

the problem was not in configuration.

It has something to do with 32bit and 64bit versions of Java, IDL and
operating system libraries. The -DIDL_LOAD_DEBUG was really useful.

Need to talk with my sysadmin to fix this.

C u.

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