Subject: IDL on the web?

Posted by Petula Lau on Sun, 06 Sep 2009 21:11:05 GMT

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Hi all,

I currently work for a science institute, and I have been assigned a task to provide an IDL program on our public website.

The IDL program is a solar energy calculator. It requires inputs such as latitude, longitude, tilt of the solar panels, months of the year to calculate etc. It outputs a graph which shows you the expected position of the sun relative to where you live.

I have been searching for over a day now, but haven't found anything as to how to put this program on the web.

I thought of maybe two possibilities:

- 1. Create php front-end input form and shell out to the machine with IDL installed (we will have to be running IDL the whole time). This will require us purchasing another IDL licence.
- 2. Use the IDL VM somehow?

Appreciate your response.

Cheers, Petula

Subject: Re: IDL on the web?

Posted by Petula Lau on Wed, 16 Sep 2009 03:24:55 GMT

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Hi all,

Cheers for your suggestions. I have read the bridges documentation and have a better idea as to how to achieve this. Unfortunately the original application was not written in an object oriented way, so I suppose we will have to rewrite that part in order to export using the Export assistant?

Also I am trying to get the examples running on my MAC OS X (I got it running in windows). And I keep getting this error:

Failed to load javaidlb from from default location. Exception in thread "main" java.lang.UnsatisfiedLinkError: com.idl.javaidl.JIDLPAL.nativeInitJPAL()V 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 helloworldex.helloworldex.<init>(helloworldex.java:17)
at helloworldex.helloworldex_example.<init>(helloworldex_example.java:42)
at helloworldex.helloworldex_example.main(helloworldex_example.java:53)
```

We would really like to use eclipse as our build environment. But I don't seem to be able to get it to work even if I included the library in the classpath, set all the environment variables in the idl_setup and bridge_setup script.

Anybody have ideas? Appreciate your help.

Cheers, Petula

On Sep 12, 8:08 am, Scott <srel...@viawest.net> wrote:

- > Take a look at the following tech tips and they should get you going
- > in the right direction.
- > Cheers,
- > Scott Ellis

>

- > 4322 First Primer on IDL-JSP Interface Embedding a Static IDL
- > Visualization on aWebPagehttp://www.ittvis.com/services/techtip.asp?ttid=4322

>

- > 4327 Second Primer on IDL-JSPWebApp Interface Passing Parameters
- > to IDLhttp://www.ittvis.com/services/techtip.asp?ttid=4327

>

- > 4332 Third Primer on IDL-JSPWebApp Interface UpdatingWebPage
- > IDL Graphics with Ajaxhttp://www.ittvis.com/services/techtip.asp?ttid=4332

>

- > 4324 One Proposal for How To Set Up Java-IDL Export Bridge-basedWeb
- > Interface Projectshttp://www.ittvis.com/services/techtip.asp?ttid=4324

Subject: Re: IDL on the web?

Posted by Scott[1] on Wed, 16 Sep 2009 15:46:40 GMT

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When you go to your eclipse project's Properties -> Java Build Path -> Libraries tab, is javaidlb.jar there and properly resolved?

You can also try adding -DIDL_LOAD_DEBUG to your run configuration's jvm arguments to possibly get more debugging info.

-Scott

Subject: Re: IDL on the web?
Posted by Petula Lau on Wed, 16 Sep 2009 20:33:36 GMT
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Thanks Scott - I did use the -DIDL_LOAD_DEBUG and that was very helpful. The problem was that it was using the 32 bit IDL, but I was using jvm 1.6.0 (64 bit).

On Sep 17, 3:46 am, Scott <srel...@viawest.net> wrote:

- > When you go to your eclipse project's Properties -> Java Build Path ->
- > Libraries tab, is javaidlb.jar there and properly resolved?
- >
- > You can also try adding -DIDL_LOAD_DEBUG to your run configuration's
- > jvm arguments to possibly get more debugging info.
- >
- > -Scott