
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.JIDL PAL.<clinit>(JIDL PAL.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 aWebPage<http://www.ittvis.com/services/techtip.asp?ttid=4322>
- >
- > 4327 Second Primer on IDL-JSPWebApp Interface - Passing Parameters
- > to IDL<http://www.ittvis.com/services/techtip.asp?ttid=4327>
- >
- > 4332 Third Primer on IDL-JSPWebApp Interface - UpdatingWebPage
- > IDL Graphics with Ajax<http://www.ittvis.com/services/techtip.asp?ttid=4332>
- >
- > 4324 One Proposal for How To Set Up Java-IDL Export Bridge-basedWeb
- > Interface Projects<http://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
-