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Subject: JAVA Bridge Problem

Posted by [David Fanning](#) on Mon, 06 Apr 2009 22:36:24 GMT

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Folks,

I am going to make another plea for information or help. We are writing a large JAVA program to serve up data. We are hoping to use IDL objects to produce "analysis plots" of the data. We have had absolutely NO luck getting the IDLEXBR\_Assistant, which is used to write the JAVA wrapper program that can access the IDL object to work.

I have written the very simplest IDL object that does something useful. I put it here if you are interested:

[http://www.dfanning.com/misc/sage\\_histogram\\_\\_define.pro](http://www.dfanning.com/misc/sage_histogram__define.pro)

The program uses programs from the Coyote Library, but other than that, it is nothing special. Given some data, say an image, it produces a histogram plot:

```
IDL> o = Obj_New('sage_histogram', LoadData(7))
IDL> ok = o -> Draw()
```

The object itself works well in every version of IDL we have tested it on.

Neither we, nor the folks at ITTVIS, can get this object to open in the IDLExBr\_Assistant, which is used to create the JAVA wrapper program that is used as the JAVA "bridge". We continually get the message that the "source object cannot be resolved". We have tried this with different versions of IDL on both LINUX and Windows platforms.

But here is the thing, we occasionally write an object that "works". Sometimes an object that fails repeatedly will suddenly "work". (We suspect something about the specific proportion of the eye of the newt which is used in conjunction with the witch's blood is involved, but we can't be sure.)

It is thought that a path problem might be involved (by those less familiar with Shakespeare and with little imagination), but if I compile the object, and then issue the RESOLVE\_ALL command before trying the bridge assistant, I run into the same result. I have even tried building the Coyote Library project before using the bridge assistant with the same result. So I am disinclined to believe the "path" explanation.

So, here are my questions. Has anyone run into this problem before? Do you have any ideas or theories about what could be going on? If you have an object that "works" with the bridge assistant, would you might sharing it with me?

I'm really quite desperate. I may have oversold the "IDL solution" and I am looking for either a good explanation of what is going on or a way to escape to South America without being seen. :-(

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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