
Subject: Newbie Mac PPC shared lib
Posted by [Irene Barg](#) on Thu, 02 Mar 2000 08:00:00 GMT
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Hello to all,

My development environment:
Mac G4 450MHz 512MB RAM OS 9
IDL 5.2 for Mac
CodeWarrior V5 for Mac

I'm new to the Macintosh, however, after reading several posts regarding "shared libraries" on this newsgroup, I was able to get my code up and running. Now, I have a question.

Our UNIX users use IDL, Interactive Data Language, package from RSI, for interactive analysis and visualization. We have a set of C routines that we have been able to call from IDL using the IDL `CALL_EXTERNAL` function which loads and calls routines contained in shareable object libraries. My task was to port this C code to the Macintosh environment so that our Mac/IDL users could use it as well.

Inside my IDL procedure, I call a C routine with the following:

```
s = CALL_EXTERNAL('calnica.shlb','do_cridcalc',nic,input,crimage )
```

Where:

"calnica.shlb" is my PowerPC shared library created with CW.

"do_cridcalc" is my entry point name to my shared code.

"nic, input, crimage" are pointers to data.

I created "shlb" using CW PPC Std C Console stationary. The code works, but, while it's running, I can't do anything else with the Mac. Normally, one processes more than one image at a time, so I have to free up the Mac, but how? This is not a problem on the UNIX platform. I'm not certain if it's an IDL or Mac problem. Any insight you may have will be most appreciated.

Thanks,

-- irene

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