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Subject: Re: Pros & cons of methods 1) DLM and 2) Call\_External of calling C from IDL

Posted by [neil salmon](#) on Mon, 08 Aug 2016 07:42:18 GMT

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I'm trying to use the Call\_external route but to start with i'm trying to create the dll for mg\_callex\_total.c using the make\_dll.

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The source code is:

```
CD, current=working_directory ; Sets current working directory  
make_dll, 'mg_callex_total', 'IDL_Load',  
INPUT_DIRECTORY=working_directory+'\test_call_external', CC='gcc -c -fPIC %C -o %O', $  
    OUTPUT_DIRECTORY = working_directory+'\test_call_external', $  
    COMPILE_DIRECTORY = working_directory+'\test_call_external'  
end
```

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I've change compile and output directories so i'm not messing files up in other parts of the system.

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The response from IDL is:

```
IDL> .GO  
C:\USERS\NEIL\DOCUMENTS\IDL\test_call_external\mg_callex_tot al.c:1:0: warning: -fPIC  
ignored for target (all code is position independent)  
float mg_callex_total(float arr[], int *n) {  
^  
link: extra operand `/nodefaultlib'  
Try `link --help' for more information.  
gcc -c -fPIC " C:\USERS\NEIL\DOCUMENTS\IDL\test_call_external\mg_callex_tot al.c " -o  
"mg_callex_total_6704_NEIL-THINK.obj"  
link /out:"mg_callex_total_6704_NEIL-THINK.dll" /nologo /nodefaultlib /dll  
"mg_callex_total_6704_NEIL-THINK.obj" /def:"mg_callex_total_6704_NEIL-THINK.def"  
"C:\Program Files (x86)\RSI\IDL60\bin\bin.x86\idl32.lib" msvcrt.lib kernel32.lib  
Could Not Find C:\Users\Neil\Documents\IDL\test_call_external\mg_callex_tot  
al_6704_NEIL-THINK.exp  
Could Not Find C:\Users\Neil\Documents\IDL\test_call_external\mg_callex_tot  
al_6704_NEIL-THINK.lib
```

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Could anyone suggest what i've done wrong.

many thanks,  
neil

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