
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 21:41:32 GMT

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Yes, i'm operating Windows 7, with IDL Version 6.0. I've also put the path of the MSVC version 10.0 compiler (cl.exe) in the Windows Environment Variables, PATH, however MAKE_DLL does not seem to recognise. The gcc.exe compiler directory is also in the Windows Environment Variable, and MAKE_DLL does recognise it - so at least some small progress.

However, running the script:

```
make_dll, 'mg_callex_total', 'IDL_Load', $
INPUT_DIRECTORY=working_directory+'test_call_external' , $
CC='gcc -c %C -o %O', $
OUTPUT_DIRECTORY = working_directory+'test_call_external', $
COMPILE_DIRECTORY = working_directory+'test_call_external', $
VERBOSE=verbose, SHOW_ALL_OUTPUT=verbose
```

generates:

link: extra operand `/nodefaultlib'

Try `link --help' for more information.

```
gcc -c "C:\USERS\NEIL\DOCUMENTS\IDL\test_call_external\mg_callex_total.c" -o
"mg_callex_total_12888_NEIL-THINK.obj"
link /out:"mg_callex_total_12888_NEIL-THINK.dll" /nologo /nodefaultlib /dll
"mg_callex_total_12888_NEIL-THINK.obj" /def:"mg_callex_total_12888_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_12888_NEIL-THINK.exp
Could Not Find C:\Users\Neil\Documents\IDL\test_call_external\mg_callex_tot
al_12888_NEIL-THINK.lib
```

I'm uncertain why "_12888_NEIL-THINK.obj" appears appended on to the end of the object file name, any ideas?

Furthermore, the object file "mg_callex_total_12888_NEIL-THINK.obj" i can't find on my system, and is not appearing in my specified OUTPUT_DIRECTORY.

- so i'm not at all certain what's going off. Grateful for any suggestions.

many thanks,
neil
