
Subject: C/C++ integration with IDL

Posted by incognito.me on Thu, 06 Sep 2007 13:22:59 GMT

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Hi everyone,

I'm running the version 6.3 of IDL on a windows machine. I'd like to run external C codes which are provided in file RSI\IDL63\external\call_external\C from IDL. I downloaded a visual C++ compiler as Indicated in the !MAKE_DLL system variable. I tried to build a sharable library containing the external C code and then run all of the provided examples just as indicated in the IDL Documentation with the following statements:

```
IDL>PUSHD,'C:\programme\RSI\IDL63\external\call_external\C'
```

```
IDL>ALL_CALLEXT_EXAMPLES
```

```
IDL>POPD
```

But I can't managed to run the second statement because I'm always having the following error message:

```
IDL> ALL_CALLEXT_EXAMPLES
```

Calling simple_vars with the following arguments:

```
B_L      BYTE    =    2
```

```
I_L      INT     =    3
```

```
L_L      LONG    =    4
```

```
F_L      FLOAT   =    5.00000
```

```
D_L      DOUBLE  =    6.0000000
```

The "cl" statement ist not correct written or cannot be found
cl -D_DLL -DMSWIN -DWIN32 -D_MT /nologo /I"C:\Programme\RSI\IDL63\external\include" /c "C:\Programme\RSI\IDL63\external\call_external\C\incr_struct.c" /Fo"incr_struct_3072_WDT002.obj"
C:\incognito\idl\rsi\compile_dir-118-idl_6_3-win32-x86-m32-f64\call_external_examples_3072_WDT002.exp cannot be found
C:\incognito\idl\rsi\compile_dir-118-idl_6_3-win32-x86-m32-f64\call_external_examples_3072_WDT002.lib cannot be found
C:\incognito\idl\rsi\compile_dir-118-idl_6_3-win32-x86-m32-f64\incr_struct_3072_WDT002.obj cannot be found
C:\incognito\idl\rsi\compile_dir-118-idl_6_3-win32-x86-m32-f64\simple_vars_3072_WDT002.obj cannot be found
C:\incognito\idl\rsi\compile_dir-118-idl_6_3-win32-x86-m32-f64\string_array_3072_WDT002.obj cannot be found
C:\incognito\idl\rsi\compile_dir-118-idl_6_3-win32-x86-m32-f64\sum_array_3072_WDT002.obj cannot be found
C:\incognito\idl\rsi\compile_dir-118-idl_6_3-win32-x86-m32-f64\sum_2d_array_3072_WDT002.obj cannot be found
CALL_EXTERNAL: Error loading sharable executable.

Symbol: simple_vars, File = C:\incognito\idl\rsi\compile_dir-118-idl_6_3-win32-x86-m32-f64\call_external_examples.dll
That Module cannot be found.

Error occurred at: SIMPLE_VARS 91 C:\programme\RSI

```
\IDL63\external\call_external\C\simple_vars.pro
      ALL_CALLEXT_EXAMPLES 58 C:\programme\RSI
\IDL63\external\call_external\C\all_callext_examples.pro
      $MAIN$
Execution halted at: ALL_CALLEXT_EXAMPLES 58 C:\programme\RSI
\IDL63\external\call_external\C\all_callext_examples.pro
```

Does someone have a suggestion?
Thanks
