
Subject: Re: Windows IDL DLM with Cygwin
Posted by [Haje Korth](#) on Tue, 12 Jul 2005 12:51:00 GMT
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Joey, this is the article I was talking about. Haje

Topic:

Some Windows developers choose to use the Cygwin GCC port as their compiler. This TechTip describes how to set up IDL so that CALL_EXTERNAL works with GCC.

Discussion:

Several customers have reported success using CALL_EXTERNAL with Cygwin's GCC Windows port instead of Microsoft Visual Studio.

a.. Create a new user environment variable (Control Panel -> System -> Advanced -> Environment Variables) called IDL_DLM_PATH.

Set this to: C:\RSI\IDL61\bin\bin.x86;c:\cygwin\bin

b.. Set the following parameters on !MAKE_DLL:

1.. !make_dll.LD = 'c:\cygwin\bin\ld.exe -shared -o %L %O %X'

2.. !make_dll.CC = 'c:\cygwin\bin\gcc.exe

%X -fPIC -I"/cygdrive/c/RSI/IDL61/external/include" -c -D_REENTRANT %C -o %O'

3.. !make_dll.COMPILER_NAME='GCC'

c.. To test, load and compile the STRING_ARRAY.PRO example in the IDL61\external\call_external\C subdirectory.

IDL> string_array, 'Hello, Cygwin!', /VERBOSE

Calling string_array with:

STRARR_L STRING = 'Hello, Cygwin!'

Hello, Cygwin!

Result from string_array is:

RESULT STRING = 'Hello, Cygwin!'

If the PATH environment does not also include c:\cygwin\bin, users may receive an error message that cygwin1.dll could not be found.

<joeymu@gmail.com> wrote in message
news:1121121297.794813.114820@o13g2000cwo.googlegroups.com.. .
> Has anyone sucessfully used a DLM created with the Cygwin family of
> compilers? I have sucessfully compiled a DLM and it looks like it
> should work, but when it gets to the point of actually using the DLM,
> IDL will crash! I've been trying to compile my code with a
> -mno-cygwin, but that is going to be a lot of work! I'm hoping there
> is an easier way. Anyway, I'd love to hear even if this is possible
> (i.e. someone has actually done it) so I don't just spin my wheels.
>
> Thanks!
>
> Joey
>
