
Subject: calling C++ from within IDL

Posted by [dtakir](#) on Fri, 14 Aug 2015 20:15:00 GMT

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Hello IDLers,

I was trying to compile the following code(from Mike Galloy's book):

```
float mg_callex_total(float arr[], int *n) {
```

```
    int i;  
    float total = 0.0;  
    for(i = 0; i < *n; i++) total+=arr[i];  
    return(total);
```

```
}
```

to create a shared object, but I got the following errors. Anyone knows why I got these errors?

Thanks in advance.

Driss

```
IDL> mg_make_dll, 'mg_callex_total.c'
```

```
'cl' is not recognized as an internal or external command,  
operable program or batch file.
```

```
cl -D_DLL -DMSWIN -DWIN32 -D_MT /nologo /I"C:\Program Files\Exelis\IDL84\external\include"
```

```
/c "C:\Users\dtakir\Desktop\idlC++Test\mg_callex_total.c"
```

```
/Fo"mg_callex_total_5676_IGSWZAWGLT-ELEE.obj"
```

```
Could Not Find C:\Users\dtakir\idl\idl\compile_dir-118-idl_8_4-win32-x86_6
```

```
4-m64-f64\mg_callex_total_5676_IGSWZAWGLT-ELEE.exp
```

```
Could Not Find C:\Users\dtakir\idl\idl\compile_dir-118-idl_8_4-win32-x86_6
```

```
4-m64-f64\mg_callex_total_5676_IGSWZAWGLT-ELEE.lib
```

```
Could Not Find C:\Users\dtakir\idl\idl\compile_dir-118-idl_8_4-win32-x86_6
```

```
4-m64-f64\mg_callex_total_5676_IGSWZAWGLT-ELEE.obj
```

```
IDL>
```

Subject: Re: calling C++ from within IDL

Posted by [Michael Galloy](#) on Sat, 15 Aug 2015 14:39:40 GMT

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On 8/14/15 2:15 pm, dtakir wrote:

> Hello IDLers,

>

> I was trying to compile the following code(from Mike Galloy's book):

```

>
> float mg_callex_total(float arr[], int *n) {
>
>
> int i;
> float total = 0.0;
> for(i = 0; i < *n; i++) total+=arr[i];
> return(total);
>
>
>
> }
>
> to create a shared object, but I got the following errors. Anyone knows why I got these errors?
Thanks in advance.
> Driss
>
>
> IDL> mg_make_dll, 'mg_callex_total.c'
> 'cl' is not recognized as an internal or external command,
> operable program or batch file.
> cl -D_DLL -DMSWIN -DWIN32 -D_MT /nologo /I"C:\Program
Files\Exelis\IDL84\external\include" /c "C:\Users\dtakir\Desktop\idlC++Test\mg_callex_total.c"
/Fo"mg_callex_total_5676_IGSWZAWGLT-ELEE.obj"
> Could Not Find C:\Users\dtakir\idl\idl\compile_dir-118-idl_8_4-win32-x86_6
4-m64-f64\mg_callex_total_5676_IGSWZAWGLT-ELEE.exp
> Could Not Find C:\Users\dtakir\idl\idl\compile_dir-118-idl_8_4-win32-x86_6
4-m64-f64\mg_callex_total_5676_IGSWZAWGLT-ELEE.lib
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4-m64-f64\mg_callex_total_5676_IGSWZAWGLT-ELEE.obj
> IDL>
>

```

I don't think you have the correct compiler. Download Visual Studio Community from:

<https://www.visualstudio.com/en-US/products/visual-studio-express-vs>

Mike

--

Michael Galloy

www.michaelgalloy.com

Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Subject: Re: calling C++ from within IDL

Posted by [Paul Van Delst\[1\]](#) on Mon, 17 Aug 2015 21:27:23 GMT

On 08/15/15 10:39, Michael Galloy wrote:

- > I don't think you have the correct compiler. Download Visual Studio
- > Community from:
- >
- > <https://www.visualstudio.com/en-US/products/visual-studio-express-vs>

Totally OT - and definitely not directed at your projects, Mike - but I was just reading this the other day:

<http://opensource.com/life/15/7/why-your-open-source-project-failing>

about a talk Tom Callaway gave at OSCON. One of the points mentioned was:

<quote>

Callaway said projects fail:

- * If your code depends on Microsoft Visual Anything (you get 100 points of fail)

</quote>

Not sure if that's tongue-in-cheek or not... :o)

cheers,

paulv

Subject: Re: calling C++ from within IDL

Posted by [Michael Galloy](#) on Tue, 18 Aug 2015 16:04:55 GMT

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On 8/17/15 3:27 PM, Paul van Delst wrote:

- > On 08/15/15 10:39, Michael Galloy wrote:
- >> I don't think you have the correct compiler. Download Visual Studio
- >> Community from:
- >>
- >> <https://www.visualstudio.com/en-US/products/visual-studio-express-vs>
- >
- > Totally OT - and definitely not directed at your projects, Mike - but I
- > was just reading this the other day:
- >
- > <http://opensource.com/life/15/7/why-your-open-source-project-failing>
- >
- > about a talk Tom Callaway gave at OSCON. One of the points mentioned was:
- >
- > <quote>
- > Callaway said projects fail:

> * If your code depends on Microsoft Visual Anything (you get 100
> points of fail)
> </quote>
>
> Not sure if that's tongue-in-cheek or not... :o)
>
> cheers,
>
> paulv

I agree that supporting Windows is a pain. (Actually, one of my "someday" tasks is to actually build my library on Windows. I don't think there are any roadblocks, but I have no doubt that it will take me days if not weeks or more to get it actually building.) Unfortunately, a lot of people use it though, and I'm not aware of another Windows compiler that is not even more pain. You would not believe that the steps we had to take to prepare a machine to do Windows builds via cygwin at a previous job.

Mike

--

Michael Galloy

www.michaelgalloy.com

Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)
