
Subject: calling c from idl

Posted by [ijg9766](#) on Thu, 20 Apr 1995 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

I am working on a machine vision system for a class project. We have created a user interface with an IDL widget, and would like to call a child processes written in C, which will control a stepper motor when the appropriate action button is activated. We want to call the child processes and immediately return to IDL without waiting for the child process to finish.

Does anyone know how this can be done using Windows?

Thank you

ian

Subject: Re: calling c from idl

Posted by [Emmanuel GUYOT](#) on Mon, 24 Apr 1995 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

ijg9766@vaxb.isc.rit.edu wrote:

>

> I am working on a machine vision system for a class project.

> We have created a user interface with an IDL widget, and would like to call a child processes written in C, which will control a stepper motor when the appropriate action button is activated. We want to call the child processes and immediately return to IDL without waiting for the child process to finish.

>

> Does anyone know how this can be done using Windows?

>

> Thank you

> ian

To call a C program from a IDL one, you can use the CALL_EXTERNAL function for IDL, and put your C program into a DLL.

In your DLL, you can spawn another process...

E.G.

Subject: Re: calling c from idl

Posted by [pellet](#) on Mon, 01 May 1995 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

Emmanuel GUYOT (emmguyot@cnsr-orleans.fr) wrote:

: ijg9766@vaxb.isc.rit.edu wrote:

: >

: > I am working on a machine vision system for a class project.

: > We have created a user interface with an IDL widget, and would like to call a child processes written in C, which will control a stepper motor when the appropriate action button is activated. We want to call the child processes and immediately return to IDL without waiting for the child process to finish.

: >

: > Does anyone know how this can be done using Windows?

: >

: > Thank you

: > ian

: To call a C program from a IDL one, you can use the CALL_EXTERNAL function for IDL, and put your C program into a DLL.

: In your DLL, you can spawn another process...

: E.G.

You could also spawn your C program in the background with something like: SPAWN, 'c_program &' This can also be used to make a link to your external and make an I/O connection between IDL and the C program.

Jeff

Subject: Re: Calling C from IDL
Posted by [David Foster](#) on Thu, 23 Oct 1997 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Tron Darvann wrote:

>

> Dear IDL-users,

>

> We have a C++ program (SGI IRIX) that we wish to call from IDL
> in order to provide 1) a user interface by use of IDL widgets, and
> 2) visualization capabilities.

>

> The C++ program, as it is used today, needs input from the user at
> several levels during execution. I wish to be able to give this input
> to the C++ program FROM IDL.

Tron -

I would suggest getting RSI's "Advanced Development Guide", and also "Linking Other Software with IDL". This sounds like a problem that might be solvable by using either Remote Procedure Calls or Callable IDL. Both have examples, though they are always the simplest cases.

Dave


```
> my IDL-Prog "c_call_from_idl.pro"
>
> pro c_call_from_idl
> print, 'vor c aufruf'
> result =
> call_external('C:\sgossen\idl\igor\c-prog\probiere.dll','pro biere')
> print, 'nach c aufruf'
> print, 'result: ', result
> help, result
> end
>
> Executing this file I get following error-message:
>
> % CALL_EXTERNAL: Error loading sharable executable.
>       Symbol: probiere, File =
> C:\sgossen\idl\igor\c-prog\probiere.dll
>       ERROR_PROC_NOT_FOUND
>
> I don't really know where the error could be. The path of the
> .dll-file is still correct.
> Can you help me with my problem?
> Thank you!
> Sascha Gossen
```
