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Subject: Re: call\_external

Posted by [Vap User](#) on Wed, 05 Aug 1998 07:00:00 GMT

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Chris Varekamp <chris.varekamp@users.whh.wau.nl> writes:

The entry point is the name of the C function in the source file.

The function ...

```
float foo ( int argc, char *argv[] ) {  
/* your code here */  
return (result);  
}
```

within the file 'foo.c' would be called in the following manner using call\_external.

```
result = call_external( 'c:\path\to\shareable\library\foo.ddl','foo',arg1,...)
```

I may have made a mistake about the naming convention of the 'image' (i.e. the library/ddl file) since I work with Unices and don't really know the nomenclature for NT boxes, but I think a DDL is the equivalent of a Unix shareable library on a windoze machine.

In any case, the 'entry' is just the name of the C function. It's called an entry point because you can have more than one function in the same shareable image, hence the loader must know at which point to 'enter' the file.

```
>  
> Hello,  
>  
> Does anyone have experience running a C program using the CALL_EXTERNAL  
> function in IDL on an NT machine? Are there examples around ?  
>  
> I have a small program from numerical recipes that returns a float.  
> However, the CALL_EXTERNAL function requires you to specify an entry  
> point (don't know what is meant by this).  
>  
> Hope someone can give me a hint...  
>  
> Chris Varekamp  
> Dept. Water Resources  
> Wageningen University  
> The Netherlands
```

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I don't speak for JPL, it doesn't speak for me.

Well, not all the time, at least.

William Daffer <vapuser@haifung.jpl.nasa.gov>

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