Subject: Re: CALL_EXTERNAL and memory allocation
Posted by Michael Zingale on Mon, 11 Mar 2002 18:03:54 GMT

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yes, I forgot to mention that the string that I initialize in IDL is of
length greater than or equal to the length of the string that I am
reading in in the C program. This way I know the memory is allocated.
The example on the website that I pointed to does this.

Mike

James Kuyper wrote:

> Michael Zingale wrote:
>
>> I typically do something like the following:
>>
>>
>> in IDL:
>>
>> string = ' '
>>
>> ierr = call_external('lib.so', 'read_string', string)
>>
>>
>> and in C:
>>
>> IDL_STRING* string = (IDL_STRING *) argv[0];
>>
>> then fill string.s with the string.
>
>
> Are you referring to the 'argv' that appears as a parameter in a C
> main()? That's not necessarily legal. You need to first make sure that:
>
>   strlen(argv[0]) > sizeof(IDL_STRING)
>
> Otherwise, you many be overwriting memory that you don't have permission
> to access.
>