
Subject: Re: Can CALL_EXTERNAL be used to access C++?

Posted by [rivers](#) on Wed, 31 Dec 1997 08:00:00 GMT

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In article <34AA5473.390C90CD@jhuapl.edu>, Martha Kusterer <Martha.Kusterer@jhuapl.edu> writes:

> Hi,

> Can IDL be used to call C++ routines using CALL_EXTERNAL? I am
> currently trying to decide if I want to use C++ instead of C to code a
> processing system. Some of the I/O routines will be accessed from IDL to
> display the data.

>

> I couldn't find any mention of C++ in the documentation.

Yes it can, but I think you need to make a function with C linkage which is what IDL will call with CALL_EXTERNAL. That C linkage function should process the (argc, argv) arguments and call the C++ linkage functions. I am doing this routinely on both Unix and Windows.

```
// my_cc_func.cc
int my_cc_func(int *p1, ...)
{
    ...
}
extern "C"
{
    int myfunc(int argc, void *argv[])
    {
        return my_cc_func(argv[0], ...);
    }
}
```

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