Subject: Re: Reentrant API/IDL_KW_OFFSETOF() issue
Posted by Rick Towler on Wed, 17 Mar 2004 00:59:21 GMT

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> I'm no Barnaby Jones, but looking at the following from the export.h file
> (5.5-6.0):
>
> #define IDL_KW_OFFSETOF2(s, m) ((void *)(&(((s *)0)->m)))
> #define IDL_KW_V_OFFSETOF2(s, m) ((char *)(&(((s *)0)->m)))
> #define IDL_KW_S_OFFSETOF2(s, m) ((int *)(&(((s *)0)->m)))
>
> #define IDL_KW_OFFSETOF(m) IDL_KW_OFFSETOF2(KW_RESULT, m)
> #define IDL_KW_V_OFFSETOF(m) IDL_KW_V_OFFSETOF2(KW_RESULT, m)
> #define IDL_KW_S_OFFSETOF(m) IDL_KW_S_OFFSETOF2(KW_RESULT, m)
>
>
> The names lead me to believe that IDL_KW_V_OFFSETOF2() would return void
and
> (by default, as it would be the most common use) IDL_KW_OFFSETOF2() would
> return char. But if this were the case I am sure someone would have run
> into this?

Alas, there is no conspiracy here.

A helpful bird pointed out that C will tolerate such void pointers and
convert them but C++ will not. So IDL_KW_V_OFFSETOF() is the macro I should
use in my case.

Many thanks to those knowledgeable lurkers out there!

-Rick