Subject: Re: Creating an IDL array within C?
Posted by MC on Sat, 30 Aug 2008 16:52:07 GMT
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On Aug 30, 1:40 am, "hotplainr...@gmail.com" <hotplainr...@gmail.com>
wrote:
> Hi guys,
>
> Another problem for everyone. Yay!
>
> Firstly, I'm working on translating code from IDL to C for CUDA
> purposes by re-writing it as a system routine.
>
> so the issue:
>
> Within IDL, the user can do this
>
> IDL> help, data6
> DATA6   UNDEFINED = <Undefined>
>
> and call an arbitrary function that will have it created.
>
> thisfunc, data6, wv
>
> Within thisfunc.pro
> pro thisfunc, data6, wv
>   data6 = fltarr(5,6)
>
> How do I do this in C?
> Is it even possible or do I have to ensure that data6 exists before I
> call my system routine?
>
> Regards
> Zaki

When you create the function prototype you declare the variable, even
if it has no value at that time.
In your case 'data6' could be a pointer variable for an as yet unsized
or variable sized array
-at least that's how I remember ANSI C should work e.g.

<myheader.h>

int thisfunc(float *data6, int wv ....);

Cheers