Subject: Re: Empty arrays?
Posted by Michael Galloy on Mon, 10 Nov 2008 22:56:56 GMT
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On Nov 10, 3:35 pm, Spon <christoph.b...@gmail.com> wrote:
> For these sorts of cases, I tend to use empty pointers. Here's an
> example using pointers to provide the functionality I think you're
> looking for:
>
> var = ptr_new(/allocate_heap)
> help, *var
> IDL> <PtrHeapVar1> UNDEFINED = <Undefined>
>
> This article by JD Smith on David Fanning's website should help get
> you started on pointers:http://www.dfanning.com/misc_tips/pointers.html

Yes, empty pointers work well for these type of things, but there are still two issues with them in this situation:

1. you still have to check to see if *var is undefined to determine if you are appending to or creating an array.

2. repeatedly appending to an array is inefficient

A better solution is to create a reasonable sized array to begin with. Then fill in values and keep track of how many are filled in. If the array fills up, create a new bigger one and copy the values over. Of course, this is even more of a hassle with bookkeeping, so I made an object that does this for me, see:

http://michaelgalloy.com/2006/04/24/collection-package-mgarr aylist.html

Of course, it would be nicer if IDL just allowed empty arrays, but there would be a lot of backward compatibilities if that were the case.

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