
Subject: Re: In need of array help!

Posted by [Paul Van Delst\[1\]](#) on Fri, 11 Jul 2008 17:40:57 GMT

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.Pink wrote:

```
> Hi folks, I'm new to IDL and I'm having a bit of trouble with array
> manipulation.
>
> I have a program that encounters data sets of varying sizes, and I
> need to store the information into an array contained in an object.
>
> I've tried using the array resizing techniques found in
> http://www.dfanning.com/code_tips/nullarray.html, but no matter what I
> to, I am unable to actually change the size!
>
> Any suggestions would be very very very helpful!
>
> Thanks,
> Aaron
> -----
> struct = {PermResults, $
>           SliceNum: 0.0, $
>           roiValues: flarr(100000), $ ;100000 is far more than I
> need, but still a terrible way to do it.
>           area: 0.0, $
>           perimeter: 0.0, $
>           pxlcount: 0L}
> -----
```

You should read up on the differences between named and unnamed structures. Apart from that, two things spring to mind:

1) Pointers:

```
struct = {PermResults, $
          SliceNum: 0.0, $
          roiValues: ptr_new(/allocate_heap), $
          area: 0.0, $
          perimeter: 0.0, $
          pxlcount: 0L}
```

you can then simply do

```
*struct.roiValues = ...data...
```

as required to "create" the data entry to what ever size you want.

2) Use CREATE_STRUCT() to create your structure on the fly. It can be a bit of a pita to do that though - I've only found it useful when I do the same thing over and over again (e.g. reading netCDF files) so that I can stick all the mucking about in a procedure. And I don't think you can do it for named structures that you will add stuff to after creation.... but I'm not sure.

cheers,

paulv

Subject: Re: In need of array help!
Posted by [aaron.pink](#) on Fri, 11 Jul 2008 17:48:39 GMT
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Wow, Thank you so much paulv! I definitely appreciate the help!

Subject: Re: In need of array help!
Posted by [humanumbrella](#) on Mon, 14 Jul 2008 15:10:59 GMT
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On Jul 11, 1:48 pm, ".Pink" <aaron.p...@gmail.com> wrote:
> Wow, Thank you so much paulv! I definitely appreciate the help!

Make sure to clean up your pointers afterwards.
Also - I find it interesting that you originally posted at 1:11 on
July 11.
Lot of 1's up there.
