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Subject: Re: IDL - freeing up used memory?  
Posted by [Andy Sayer](#) on Wed, 29 May 2013 17:43:51 GMT  
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Hi David,

Thanks for the tip--I'll try using undefine and see whether that helps. Unfortunately, the data volume in the files is quite variable so the arrays will be quite different sizes.

As an update, the same code runs without issue on IDL 7.1.1 on Mac OS 10.8. So perhaps it's in part related to CentOS?

Thanks,

Andy

On Wednesday, May 29, 2013 1:20:46 PM UTC-4, David Fanning wrote:

> AMS writes:

>

>

>

>

>

>> I'm running into a memory issue which I am not certain whether is related to my IDL code or the machine the code is running on itself, and am wondering whether someone might be able to help me out. To start with, I'm using IDL 7.1.1 on CentOS, invoking via command line.

>

>>

>

> I think your memory is getting fragmented. I would think about doing two

>

> things. First, I wouldn't set your unused variables to 0, as I think

>

> that promotes fragmentation. I would use the Coyote Library routine

>

> UNDEFINE to get rid of them:

>

>

>

> <http://www.idlcoyote.com/programs/undefine.pro>

>

>

>

> But, maybe better than this, I would try (assuming they are always the

>

> same size) to reuse the memory you have already set aside for reading in

>

> the variables:

```
>
>
>
>  FOR j=0,n DO ....
>
>    IF N_Elements(inputVar) EQ 0 THEN $
>
>      inputVar = ... ELSE $
>
>      inputVar = Temporary(inputVar) * 0
>
>      ReadU, lun, inputvar
>
>
>
> Cheers,
>
>
>
> David
>
> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
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