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Subject: Re: Dynamically naming structures in IDL  
Posted by [wlandsman](#) on Wed, 29 Jul 2015 18:23:08 GMT  
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If I understand correctly, you could use EXECUTE() to rename your structure:

```
newname = 'new_structure_' + year
status = execute( newname + '= TEMPORARY(new_variables)' )
save, newname, filename = '/Users/me/Documents/omni_general_'+year+'.sav'
```

On Wednesday, July 29, 2015 at 1:08:52 PM UTC-4, Scheherazade wrote:

> I have a structure, 'omni\_gen', which is filled with data for 2011, 2012, and 2013. In my program, I pull data out based on year (which is input) using a where statement, create variables for the selected data, and run these variables through a routine which outputs a new set of variables. I want to save these new variables to a structure, so I can later concatenate them together to plot.

>

> I first save my structure to a different filename each time:

>

> year=strcompress(string(year), /remove\_all)

>

> new\_variables=create\_struct('new\_globtec\_'+year, new\_globtec, 'new\_day\_'+year,  
new\_day\_numb, 'new\_f10\_'+year, new\_f10\_data, \$

> 'new\_ap\_'+year, new\_ap\_data, 'new\_smf10\_'+year, new\_smf10)

>

> save, new\_variables, filename='/Users/me/Documents/omni\_general\_'+year+'.sav'

>

> When I go to concatenate the structures, I restore these files and manually rename the corresponding new\_variables structure each time, like so:

>

> restore, '/Users/keleuterio/Documents/omni\_2011.sav'

> new\_variables=omni\_data\_2011

>

> But this obviously isn't automated. Is there a different way to do this so that the structure itself will have a different name each time (ex: new\_structure\_2011, new\_structure\_2012)?

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