Subject: Re: restore all but! variables
Posted by Allan Whiteford on Thu, 29 May 2008 16:14:41 GMT
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Jeremy Bailin wrote:

- > Does anyone know of a convenient way of restoring the contents of a
- > SAVEd file created using /ALL that will restore everything except for
- > system variables (ie. anything starting with !)? I have some old .sav
- > files from a different system with a different file structure, and
- > doing a simple RESTORE over-writes things like !PATH that really need
- > to be from the new system.

>

- > On a related note, is there a way to rename a common block? I.e. I
- > have a .sav file that contains a previous version of a common block,
- > but in my current code I have extended the common block to include
- > some new variables. So I would like to do something like this so that
- > I can resurrect the saved data into the new data structure where my
- > new code can operate on it:

>

- > restore, 'oldsavedfile'
- > ***RENAME cb (WITH ASSOCIATED vars) TO oldcb (WITH ASSOCIATED
- > oldvars)***
- > common_block, cb, LIST OF VARIABLES IN NEW COMMON BLOCK
- > ASSIGN oldvars TO EQUIVALENT vars
- > save, 'newsavedfile',

>

> -Jeremy.

Jeremy,

If you've not seen them you should look at Craig Markwardt's save/restore routines which could provide some help:

http://cow.physics.wisc.edu/~craigm/idl/cmsave.html

Thanks,

Allan

Subject: Re: restore all but! variables
Posted by Bob[3] on Thu, 29 May 2008 20:31:39 GMT
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On May 29, 12:11 pm, Jeremy Bailin <astroco...@gmail.com> wrote:

- > Does anyone know of a convenient way of restoring the contents of a
- > SAVEd file created using /ALL that will restore everything except for
- > system variables (ie. anything starting with!)? I have some old .sav

- > files from a different system with a different file structure, and
- > doing a simple RESTORE over-writes things like !PATH that really need
- > to be from the new system.

How about (temporarily) SAVEing the new system's system variables in a SAV file using /SYSTEM_VARIABLES then RESTOREing them after you've restoring the sav file from the old system?

Subject: Re: restore all but! variables

Posted by Michael Galloy on Thu, 29 May 2008 21:04:05 GMT

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Jeremy Bailin wrote:

- > Does anyone know of a convenient way of restoring the contents of a
- > SAVEd file created using /ALL that will restore everything except for
- > system variables (ie. anything starting with !)? I have some old .sav
- > files from a different system with a different file structure, and
- > doing a simple RESTORE over-writes things like !PATH that really need
- > to be from the new system.

I think the IDL_Savefile class should be able to do what you want, but the "everything else" needs to be enumerated i.e. regular variables and common blocks should be sufficient:

IDL> save, /all, filename='all.sav'

IDL> exit

~\$ idl

IDL> savfile = obj_new('idl_savefile', filename='all.sav')

IDL> savfile->restore, savfile->names(), /verbose ; regular

variables

IDL> savfile->restore, savfile->names(/common_block), /common, /

verbose; common blocks IDL> obj_destroy, savfile

Mike

--

www.michaelgalloy.com Tech-X Corporation Software Developer II

Subject: Re: restore all but! variables

Posted by Jeremy Bailin on Thu, 05 Jun 2008 18:01:51 GMT

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>> Does anyone know of a convenient way of restoring the contents of a

- >> SAVEd file created using /ALL that will restore everything except for
- >> system variables (ie. anything starting with !)? I have some old .sav
- >> files from a different system with a different file structure, and
- >> doing a simple RESTORE over-writes things like !PATH that really need
- >> to be from the new system.

- > How about (temporarily) SAVEing the new system's system variables in a
- > SAV file using /SYSTEM_VARIABLES then RESTOREing them after you've
- > restoring the sav file from the old system?

Why didn't I think of that? Great idea - works beautifully. :-)= Thanks!

-Jeremy.