
Subject: Re: IDL Application Development
Posted by [Peter Clinch](#) on Thu, 08 Dec 2005 08:44:55 GMT
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Alunduil wrote:

- > I have written an IDL application that spans approximately 10
- > interconnected programs/functions, and I want to compile a .sav file. I
- > developed these files in good old Kate, and the IDL command prompt. The
- > heart of my question is how do I create a .sav from the command line?
- > How do I use the full IDL version to run the virtual machine (can I)?
- > Any other suggestions would be appreciated. Thanks in advance.

I think the following should do it...

```
do a FULL_RESET_SESSION
.COMPILE your file(s)
RESOLVE_ALL
SAVE, /ROUTINES, 'myfile.sav'
```

No need to run the VM from the full session, just start it up alongside
(it's a separate application).

This is in the 6.2 help under "Creating Application SAVE Files.

hth, Pete.

--

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Subject: Re: IDL Application Development
Posted by peter.albert@gmx.de on Thu, 08 Dec 2005 10:18:34 GMT
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Just a remark, if your routines call objects, make sure to compile the
object routines beforehand, as as far as I know they are not resolved
by resolve_all. As for the VM, simply call

```
idl -vm="myfile.sav"
```

from the command line.

Cheers,

Peter

Subject: Re: IDL Application Development
Posted by [David Fanning](#) on Thu, 08 Dec 2005 13:29:17 GMT
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Peter Albert writes:

> Just a remark, if your routines call objects, make sure to compile the
> object routines beforehand, as as far as I know they are not resolved
> by resolve_all.

IF your object methods are all in the same file, and
IF you have named your file correctly, and IF you
put the routines in the proper order in the file
(and who wouldn't, what with all the harping I do about it?),
THEN you can use the CLASS keyword to RESOLVE_ALL
to list your object classes and they will be
resolved along with everything else.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: IDL Application Development
Posted by [Rick Towler](#) on Thu, 08 Dec 2005 18:20:34 GMT
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David Fanning wrote:

> Peter Albert writes:

>

>

>> Just a remark, if your routines call objects, make sure to compile the
>> object routines beforehand, as as far as I know they are not resolved
>> by resolve_all.

>

>

> IF your object methods are all in the same file, and
> IF you have named your file correctly, and IF you
> put the routines in the proper order in the file
> (and who wouldn't, what with all the harping I do about it?),
> THEN you can use the CLASS keyword to RESOLVE_ALL
> to list your object classes and they will be
> resolved along with everything else.

The CLASS keyword... They sneak things in when you're not looking.
Will that pick up functions and procedures called within class methods?

FWIW, here is an example of a "makfile" that I use to build .sav files that I wrote before 6.0 (when the CLASS keyword was introduced). It works for me, if maybe a little wordy compared to one using the CLASS keyword.

-Rick

```
; make_net3d.pro
; "makefile" for net3d.sav

; compile main program and resolve standard dependencies
resolve_routine, 'net3d', /compile_full_file
resolve_all

; objects and procedures called from within objects
; must be explicitly compiled
resolve_routine, 'cv_coord', /compile_full_file, /is_function
resolve_routine, 'reverse', /compile_full_file, /is_function
resolve_routine, 'linkedlist__define', /compile_full_file
resolve_routine, 'RHTgrAABB__define', /compile_full_file
resolve_routine, 'RHTgrQuaternion__define', /compile_full_file
resolve_routine, 'RHTgrGrid__define', /compile_full_file
resolve_routine, 'RHTgrCamera__define', /compile_full_file
resolve_routine, 'RHTgrDXFModel__define', /compile_full_file

; save the run-time "executable"
save, /routines, /compress, filename='net3d.sav'

end
```

Subject: Re: IDL Application Development
Posted by [David Fanning](#) on Thu, 08 Dec 2005 18:45:57 GMT
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Rick Towler writes:

> The CLASS keyword... They sneak things in when you're not looking.
> Will that pick up functions and procedures called within class methods?

I guess so. I've never had any trouble with it. :-)

Cheers,

David

--

David Fanning, Ph.D.
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Subject: Re: IDL Application Development
Posted by [David Fanning](#) on Thu, 08 Dec 2005 19:03:46 GMT
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I wrote earlier:

- > IF your object methods are all in the same file...
- > THEN you can use the CLASS keyword to RESOLVE_ALL
- > to list your object classes and they will be
- > resolved along with everything else.

I'm told now, by someone who should know, that the methods don't all have to be in the same file. Each method can be in its own file, if it is named appropriately, etc. The important thing is that the class name be present (as it would have to be if you named the thing correctly):

```
myclass__define.pro  
myclass__init.pro  
myclass__magic.pro
```

```
RESOLVE_ALL, ... , CLASS='myclass'
```

Cheers,

David

--

David Fanning, Ph.D.
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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
