Subject: Re: Nice ways to compile Posted by R.Bauer on Sat, 16 Apr 2005 22:32:59 GMT View Forum Message <> Reply to Message

Dear Robert.

The sav files of our library were all created by

http://www.fz-juelich.de/icg/icg-i/idl icglib/idl source/idl html/dbase compile\_dbase.pro.html

```
: EXAMPLE:
  compile, 'f_names'
```

cheers

Reimar

## Robert Barnett wrote:

> Hi,

- > I'm looking for an easier way to compile my code into a .sav file. It
- > would save a considerable of time an effort if compilation was
- > just one step only. It would also make it much more repoducible and less
- > bug prone.

- > I've included a synopsis of how I go about things starting with my
- > development workflow:

>

- \* Program concept and design
- > \* Demonstrate concept using snippets of code and interactive mode
- > \* Package the code so it can be easily accessed and reused
- > \* Test the package, particularily for interopability with other
- > pakcages.
- > \* Continually refine test and refine package until it does what it is
- > supposed to do
- > + Complile the package and depenancies to a save file and run in an IDL
- > VM "sandbox" environment.
- > \* Briefly test that it works in the VM as I would expect it to.
- > \* Install application on target computer.

- > I develop using emacs. I expect to be able to compile my IDL packages
- > with a single UNIX script (step marked as a +). I also expect that my
- > compilation depends solely on the contents of the filesystem rather than

```
> always return to a snapshot of my idl directory as it was when I
> compiled my code.
>
  For example, I currently compile like the following:
>
>
  ./compiler.pl ../deployed/ra_dualrenal.sav robbies_tools/ snaptools/
  renal_analysis/
>
  compiler.pl is just a simple perl script with the syntax:
>
  ./compiler <save file> <path1> <path2> ...
>
 compiler.pl compiles all .pro files in any sub-directories in the given
> paths. I always run a cvs commit or do a backup of my IDL directory when
 I do this step.
>
> I appreciate that
> there are smart compilation scripts out there, but I prefer to specify
> each path individually because I use call method, call procedure,
> call function and obj new quite a bit. I also cannot afford to find out
> that I missed a dependacy buried somewhere in a widget control. This is
> particularly troublesome after I've installed the IDL runtime
 application at a hospital which is an hours drive away.
>
> Specifically, I've had problems reliably compiling some IDL graphics
> classes for use on the IDL VM. I thought that running
> IDLITRESOLVEITOOLS might do the trick, but it evidently hasn't. At the
> same time I don't really want to compile the entire IDL library every
> time. I just want to resolve the IDL graphics classes
> which I want to use (or at least just compile a single category of
> classes).
>
> Perhaps I am looking at this problem completely wrong. I would expect
> there to be some way I can append a compiler directive which indicates
> that blah define.pro requires 'idlgrlegend define'. Compiler
> directives are not really in the IDL idiom, so I'm wondering what other
> choices I might have.
>
> Cheers.
> Robbie
Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
http://www.fz-juelich.de/icg/icg-i/
```

> the current state of the IDL command prompt. This ensures that I can

## a IDL library at ForschungsZentrum Juelich http://www.fz-juelich.de/icg/icg-i/idl\_icglib/idl\_lib\_intro. html

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