

---

Subject: Re: Automatic Compilation of IDL Programs, Was: Lost Functions  
Posted by [hegde](#) on Thu, 06 Nov 1997 08:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

David Fanning (davidf@dfanning.com) wrote:

```
> so I could make a save file. I decided to construct a
> "make" file.
> It looked something like this:
> PRO COYOTE_MAKE
>   Resolve_Routine, 'coyote1'
>   ...
>   Resolve_All
>   Save, /Routines, File='coyote.sav'
> END
```

I do use something similar:

1) makefile is similar to above example except that I use .Run file1 ..... fileN

2) 'idlmake' script ( I use UNIX ):

```
#!/bin/csh
source $IDL_DIR/bin/idl_setup
$IDL_DIR/bin/idl $1
```

3) 'idlmake coyote.pro' at shell prompt compiles everything.

4) To run the software from shell prompt, I use the script 'run':

```
#!/bin/csh
source $IDL_DIR/bin/idl_setup
$IDL_DIR/bin/idl $1
```

5) Now I put the lines

```
;  
Restore, 'coyote.sav'  
Call the first routine ( in my case the main GUI ).  
exit
```

```
;  
in file 'coyote' and type 'run coyote' from command line. To a user it  
appears as a executable or a software running at shell prompt rather than IDL  
command prompt. By setting and retrieving environment variables one can put  
.sav or .pro files anywhere. Unless I am experimenting with a new command, I  
don't even go to IDL prompt.
```

But the biggest headache I face is, my software is about 200+ ( ~ 15000 lines ) IDL routines and 60+ C routines. Each time I add a new module, by the time I compile in the above mentioned way, read the test data and run the new module it will be 5-10 minutes. If it comes across a misspelled keyword, I have to start all over again and I have seen this happen too many times.

What I would like to have atleast is a pre-processor/parser if not a \*compiler\*  
( I guess RSI wants to make money selling Runtime IDL ).

-M. Hegde

---