
Subject: How to create a .sav file the right way ?

Posted by [Jean\[2\]](#) on Mon, 22 Nov 2010 18:31:49 GMT

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Hi all,

My work it to build 'executable' GUIs (.sav file). Since I started doing so, I have been struggling in the way to create those .sav file and now that I'm facing an issue to incorporate the new plot graphic feature of the new IDL 8.0, I realize that I may have done it the wrong way all that time.

so far, here what I've done do create those .sav file

on the command line

> make

will call my Makefile

```
<Makefile>
```

```
all:
```

```
    idl ./makefile.pro
```

```
</Makefile>
```

```
<makefile.pro>
```

```
    .run  function1.pro
```

```
    .run  function2.pro      ;I have to do that to be sure the
```

```
functions are build before the procedure using them
```

```
    .run  procedure1.pro
```

```
    .run  procedure2.pro      ;but if for example one of the routine
```

```
uses mean, congrid...etc, those are not    compile yet when needed,
```

```
so I have to do the following trick
```

```
    resolve_routine, "mean", /either
```

```
    resolve_routine, "cw_field", /either
```

```
    ....etc....
```

```
    save, /routines, filename = './main_routine.pro'
```

```
exit
```

```
</makefile.pro>
```

my problem is that I basically have to run the .sav file and see all the missing routines not yet buld to add them to this makefile.pro file. Then make the .sav file again and get the next missing routines....etc

I have been doing that for 5+ years without too much problem (painful but at least it works).

Unfortunately, that seems to be much more painful with the new plot graphics...as this one calls some dependencies (that of course are not

build) that call other dependencies....etc. I don't know where this is going to stop. So here I am asking for help. Have I been doing it all wrong since day 1 and is there a way to compile all the plot graphics (like for iPlot) into just 1 `resolve_routine` command ?

Jean
