
Subject: Re: compiling before needing
Posted by [R.Bauer](#) on Thu, 13 Sep 2001 15:57:55 GMT
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David Fanning wrote:

>
> Paul van Delst (paul.vandelst@noaa.gov) writes:
>
>> Umm.... huh?
>>
>> What about sticking procedures/functions in their own files.
>
> Too easy. Not a programmer's solution.
>
> Cheers,
>
> David
>
> --
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I am not sure if I understand correctly.

So I show an example

x_def_colortable was compiled by this routine.
This widget has a lot of routines included in the file and a lot of
routines
called from different files.
It is used to set up colortables which are created as idl files. For
documentation
a png file of the colortable is saved too.

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/dbase/download/x_def_colortable.sav

You can start this by `idl -rt=x_def_colortable.sav`

or you restore it by

```
IDL> restore,file='x_def_colortable.sav'  
IDL> x_def_colortable
```

There is a function implemented `x_def_colortable_info`.

This shows you which routines are used and where they are from.

```
IDL> print,x_def_colortable_info()
x_def_colortable
Build Date: Mon Jul 9 16:46:09 2001
Compiled Procedures:
$MAIN$
AFORMAT /private/icglib/idl_source/idl_html/dbase/download/plotxy.sa v
Mon Jul 9 13:54:46 2001
ALT_INHALT_DEF
/private/icglib/idl_source/idl_html/dbase/download/plotxy.sa v Mon Jul 9
13:54:46 2001
BUILD_STRUCTURE
/private/icglib/idl_source/idl_html/dbase/download/pl_init.s av Mon Jul
9 13:52:14 2001
BUILD_VECTOR
/private/icglib/idl_source/idl_html/dbase/download/syst2inf. sav Mon Jul
9 16:20:53 2001
CACHE /private/icglib/idl_source/idl_html/dbase/download/plotxy.sa v Mon
Jul 9 13:54:46 2001
COLOR_SCHEME
/private/icglib/idl_source/idl_html/dbase/download/plotinit. sav Mon Jul
9 13:53:11 2001
CT_BLUE /private/icglib/idl_source/idl_html/dbase/download/plotinit. sav
Mon Jul 9 13:53:11 2001
CT_BLUE_GREEN_YELLOW_RED
/private/icglib/idl_source/idl_html/dbase/download/plotinit. sav Mon Jul
9 13:53:11 2001
CT_BLUE_RED
/private/icglib/idl_source/idl_html/dbase/download/plotinit. sav Mon Jul
9 13:53:11 2001
.
.
.

X_DEF_COLORTABLE
/private/icglib/idl_source/idl_work/rb_lib/x_def_colortable. pro Tue Jun
19 12:52:22 2001
X_DEF_COLORTABLE_EVENT
/private/icglib/idl_source/idl_work/rb_lib/x_def_colortable. pro Tue Jun
19 12:52:22 2001
X_DEF_COLORTABLE_EVENT_BLUE
/private/icglib/idl_source/idl_work/rb_lib/x_def_colortable. pro Tue Jun
19 12:52:22 2001
X_DEF_COLORTABLE_EVENT_GREEN
/private/icglib/idl_source/idl_work/rb_lib/x_def_colortable. pro Tue Jun
19 12:52:22 2001
```

```
X_DEF_COLORTABLE_EVENT_RED
/private/icglib/idl_source/idl_work/rb_lib/x_def_colortable. pro Tue Jun
19 12:52:22 2001
X_DEF_COLORTABLE_SHOW_COLORS
/private/icglib/idl_source/idl_work/rb_lib/x_def_colortable. pro Tue Jun
19 12:52:22 2001
X_DEF_COLORTABLE_SHOW_ONE_COLOR
/private/icglib/idl_source/idl_work/rb_lib/x_def_colortable. pro Tue Jun
19 12:52:22 2001
```

...

The compile routine compiles every routine it finds.

Normally this routine did not need all the routines which are included in the binary. At the moment I don't know how to distinguish between routines which are necessary and all others.

But the routine makes it very easy to create binary files and as you see it is possible to concatenate several binary files in a new one.

regards
Reimar

--

Reimar Bauer

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<http://www.fz-juelich.de/icg/icg1/>

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a IDL library at Forschungszentrum Juelich
http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html

<http://www.fz-juelich.de/zb/text/publikation/juel3786.html>

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read something about linux / windows
<http://www.suse.de/de/news/hotnews/MS.html>
