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Subject: Re: On-the-fly compilation of routines  
Posted by [gsever](#) on Thu, 06 Nov 2008 15:19:49 GMT  
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Hello,

Thanks for your inputs.

Could you please elaborate a little more your yes answers?

On Nov 6, 2:57 am, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:

> gsever schrieb:

>

>> Hello,

>

>> I would like to know whether it is possible to compile a routine while

>> I am already running my main IDL program?

>

> yes

>

>> To illustrate more this, I will explain my intention a bit more. We  
>> have a powerful IDL-based data analysis tool in our atmospheric  
>> sciences department to analyze airborne acquired data. I am currently  
>> working on a spectrum plot routine of the this tool-suite to make  
>> small modification and learning purposes. I successfully debug the  
>> routines from within the IDL Workbench, but whenever I make a change  
>> on the program or wanted to set a new breakpoint I have to restart the  
>> program and compile all the routines. My question is again, is there a  
>> way to update my current routine in a way to see the changes are going  
>> to be reflected without restarting and compiling everything?

>

> yes

>

>

>

>> Another point is, can we compile only the recently changed routines in  
>> the beginning of each compilation process?

>

> yes

>

>

>

>> I appreciate your comments on these issues.

>

>> Thank you again.

>

> I have no idea how you organize your routines but there are common rules.

>

- > a) use one file per routine
  - > b) name the file name of the file exactly the same as your routine
  - > b.a) use the extension .pro
  - > c) use always lower case file names.
  - > d) make sure your file are saved in the the idl search path, check  
> !path
  - >
  - > e) file a bug report if it does not behave (you already doing so)
  - >
  - > if not a) make sure the last routine in the file is the one used for the  
> file name.
  - >
  - > For example just open the ide and call print, mean(findgen(10)).
  - > mean is a idl source function. You can open it by .edit mean on the idl  
> input line.
  - >
  - > cheers
  - > Reimar
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