
Subject: Re: compile and execute from the command line
Posted by [Michael Galloy](#) on Wed, 28 Sep 2011 16:29:05 GMT
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On 9/28/11 8:01 AM, nata wrote:

> Hello guys,
>
> Is it possible to compile and execute a routine from the command line
> without using a SAV file ?
> I am trying to find a combination of options to do what I want but I
> don't actually know if this is possible. Something like:
>
> idl -e "@compile_all.g& CALL_ROUTINE"
>
> or
>
> idl -batch @compile_all.g -e "CALL_ROUTINE"
>
> Nothing works !
> I would like to avoid the creation of the sav file. Thank you for your
> help,
> nata

I assume you need to do the compilation step because the routines and files are not named properly, so that the following doesn't automatically compile everything?

```
idl -e "MY_ROUTINE"
```

If so, I would fix the filenames if that is possible. But if that is not an option, then I would create a batch file, call it my_batch.pro, that contained:

```
@compile_all.g  
MY_ROUTINE  
exit
```

Then call that with:

```
idl my_batch
```

Mike

--

Michael Galloy
www.michaelgalloy.com
Modern IDL, A Guide to Learning IDL: <http://modernidl.idldev.com>
Research Mathematician

Subject: Re: compile and execute from the command line

Posted by [natha](#) on Wed, 28 Sep 2011 16:43:28 GMT

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Thank you for your reply Michael.

The problem was that the routine is not placed in the current directory so if I do `idl -e "MY_ROUTINE"` IDL won't find the routine and won't compile it automatically.

The solution I found is :

```
routine_path=ROUTINE_FILEPATH('MY_ROUTINE')
idl -e "CD, '"+FILE_DIRNAME(routine_path)+'" & MY_ROUTINE"
```

Cheers,
nata

On Sep 28, 12:29 pm, Michael Galloy <mgal...@gmail.com> wrote:

> On 9/28/11 8:01 AM, nata wrote:

>
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>
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>
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>> Hello guys,

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>
> @compile_all.g
> MY_ROUTINE
> exit
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> Then call that with:
>
> idl my_batch
>
> Mike
> --
> Michael Galloy www.michaelgalloy.com
> Modern IDL, A Guide to Learning IDL: <http://modernidl.idldev.com>
> Research Mathematician
> Tech-X Corporation

Subject: Re: compile and execute from the command line
Posted by [Michael Galloy](#) on Wed, 28 Sep 2011 17:18:17 GMT
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On 9/28/11 10:43 AM, nata wrote:

> Thank you for your reply Michael.
>
> The problem was that the routine is not placed in the current
> directory so if I do idl -e "MY_ROUTINE" IDL won't find the routine
> and won't compile it automatically.

And it's not in your !path?

Mike

--

Michael Galloy
www.michaelgalloy.com

Subject: Re: compile and execute from the command line

Posted by [natha](#) on Thu, 29 Sep 2011 02:05:19 GMT

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On Sep 28, 1:18 pm, Michael Galloy <mgal...@gmail.com> wrote:

> On 9/28/11 10:43 AM, nata wrote:

>

>> Thank you for your reply Michael.

>

>> The problem was that the routine is not placed in the current

>> directory so if I do `idl -e "MY_ROUTINE"` IDL won't find the routine

>> and won't compile it automatically.

>

> And it's not in your `!path`?

>

> Mike

> --

> Michael Galloy www.michaelgalloy.com

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> Tech-X Corporation

Not in this case !

Subject: Re: compile and execute from the command line

Posted by [Craig Markwardt](#) on Thu, 29 Sep 2011 02:08:18 GMT

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On Sep 28, 12:43 pm, nata <bernat.puigdomen...@gmail.com> wrote:

> Thank you for your reply Michael.

>

> The problem was that the routine is not placed in the current

> directory so if I do `idl -e "MY_ROUTINE"` IDL won't find the routine

> and won't compile it automatically.

> The solution I found is :

>

> `routine_path=ROUTINE_FILEPATH('MY_ROUTINE')`

> `idl -e "CD, '"+FILE_DIRNAME(routine_path)+'" & MY_ROUTINE"`

>

> Cheers,

> nata

Maybe COMPILE_FILE will do the trick?
<http://www.physics.wisc.edu/~craigm/idl/misc.html>

Craig
