Subject: Undefined procedure - however the path is set.
Posted by Laura Dobor on Thu, 23 Jul 2015 19:22:26 GMT

Hi!

I have a problem with running one of my routines.

I have a main routine which call others, and those others again.
They are both in the same folder, which I added to the path. Some of them could be compiled automatically, but some of them not found.

I created a simple test, which worked well:
A main routine call test1.pro which call test2.pro
The same situation with more complex procedures not works....

Any idea?

Thanks,
Laura

Subject: Re: Undefined procedure - however the path is set.
Posted by Laura Dobor on Thu, 23 Jul 2015 19:28:15 GMT

And if I compile it manually, with the .compile blah.pro it works well.
(under linux)

Subject: Re: Undefined procedure - however the path is set.
Posted by a146397258 on Thu, 23 Jul 2015 19:51:09 GMT

On Thursday, July 23, 2015 at 1:22:31 PM UTC-6, Laura Dobor wrote:
> Hi!
>
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>

> Any idea?

>

> Thanks,

> Laura

Are your files named correctly? The file name for each routine needs to be the procedure name for it to compile automatically when it is called.

Subject: Re: Undefined procedure - however the path is set.
Posted by Laura Dobor on Thu, 23 Jul 2015 20:43:53 GMT

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Yes. Totally the same name (capital letters also checked..I just copy the name to everywhere)

This is what happening:

IDL> .compile MAIN_test.pro
% Compiled module: MAIN_test.
IDL> MAIN_test
% Attempt to call undefined procedure: 'SUB_test'.
% Execution halted at: MAIN_test   41 /home/ldobor/prog/MAIN_test.pro
% $MAIN$

Then if I do this immediately: it is works

IDL> .compile SUB_test.pro
% Compiled module: SUB_test.

When I ask the !PATH I get back my folder where am I and where all of the routines are:

IDL> !PATH
 /opt/idl/8.4/idl84/lib/graphics:/opt/idl/8.4/idl84/lib/itool
s/framework:/opt/idl/8.4/idl84/lib/itools/components:/opt/id
l/8.4/idl84/lib/itools/ui_widgets:/opt/idl/8.4/idl84/lib/ito
ols:/opt/idl/8.4/idl84/lib/dicomex:/opt/idl/8.4/idl84/lib/wa
velet/data:/opt/idl/8.4/idl84/lib/wavelet/source:/opt/idl/8.
4/idl84/lib/bridges:/opt/idl/8.4/idl84/lib/obsolete:/opt/idl
/8.4/idl84/lib/datatypes:/opt/idl/8.4/idl84/lib/hook:/opt/id
l/8.4/idl84/lib/imsl:/opt/idl/8.4/idl84/lib/enterprise/ese:/
opt/idl/8.4/idl84/lib/utilities:/opt/idl/8.4/idl84/lib:/home /ldobor/prog:

Subject: Re: Undefined procedure - however the path is set.
Posted by Nikola on Thu, 23 Jul 2015 21:03:57 GMT

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On Thursday, July 23, 2015 at 8:22:31 PM UTC+1, Laura Dobor wrote:
> Hi!
>
> I have a problem with running one of my routines.
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> I have a main routine which call others, and those others again.
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> I created a simple test, which worked well:
> A main routine call test1.pro which call test2.pro
> The same situation with more complex procedures not works....
>
> Any idea?
>
> Thanks,
> Laura

If one of the routines is, for example, a procedure, but you call it by mistake as a function, you would get this kind of error.

Subject: Re: Undefined procedure - however the path is set.
Posted by Phillip Bitzer on Thu, 23 Jul 2015 21:57:45 GMT
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On Thursday, July 23, 2015 at 3:43:55 PM UTC-5, Laura Dobor wrote:
> Yes. Totally the same name (capital letters also checked..I just copy the name to everywhere)
>

You will save yourself heartache by not using capital letters in file names:
http://www.exelisvis.com/docs/Automatic_Compilation_an.html

An excerpt:

Note: IDL is case-insensitive. However, for some operating systems, IDL only checks for the lowercase filename based on the name of the procedure or function. We recommend that all filenames be lowercase letters.

Could this be the issue?

Subject: Re: Undefined procedure - however the path is set.
Posted by Laura Dobor on Fri, 24 Jul 2015 14:50:28 GMT
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Hi Philip,

You were right! I'm so grateful :) I change everything to lowercase and it is working now!

I read a lot on exelisvis, but it seems I just missed this lower case issue.

Thanks also to others :)

Subject: Re: Undefined procedure - however the path is set.
Posted by Laura Dobor on Fri, 24 Jul 2015 14:51:27 GMT
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> On Thursday, July 23, 2015 at 8:22:31 PM UTC+1, Laura Dobor wrote:
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>> Laura
>
> If one of the routines is, for example, a procedure, but you call it by mistake as a function, you would get this kind of error.

I called it right, as a procedure, the problem was that I used capital letter tot the name of the files..... thanks anyway :)