
Subject: Re: idl path issue

Posted by [David Fanning](#) on Thu, 20 Sep 2012 16:58:28 GMT

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sdjohnson.mail@gmail.com writes:

> I am encountering a very strange problem with my idl path. I created a procedure and placed it in a directory that is in my path. When I open a new idl session and try to run the program, IDL throws an undefined procedure error. However, I can manually compile the procedure with a .compile and then run it just fine. The terminal session is pasted below. Also note that other procedures in my path seem to compile just fine automatically.

>

> In fact, I have this problem with *any* procedure that I write and place in my path. However, procedures written by others don't give me any trouble (coyote library, goddard astronomy library, xidl, etc). Has anyone else encountered a similar issue? Any tips would be greatly appreciated!

Has the file been saved in all lowercase characters?

http://www.idlcoyote.com/code_tips/mostcommon.html

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: idl path issue

Posted by [Paul Van Delst\[1\]](#) on Thu, 20 Sep 2012 17:04:25 GMT

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The easy question first:

Is the file called
createSpecProFiles.pro

or

createspecprofiles.pro

?

For the IDL automatic-location-of-files-in-the-path to work, the filename should be all lowercase (on linux at least... dunno if you have

a windows machine).

E.g.:

```
$ cat > aTest.pro
pro aTest
  print, "hello world"
end
^D
```

```
$ idl
IDL Version 8.2 (linux x86 m32). (c) 2012, Exelis Visual Information
Solutions, Inc.
IDL> aTest
% Attempt to call undefined procedure/function: 'ATEST'.
% Execution halted at: $MAIN$
IDL> .compile aTest
% Compiled module: ATEST.
IDL> aTest
hello world
IDL> exit
```

```
$ mv aTest.pro atest.pro
```

```
$ idl
IDL Version 8.2 (linux x86 m32). (c) 2012, Exelis Visual Information
Solutions, Inc.
IDL> aTest
% Compiled module: ATEST.
hello world
```

cheers,

paulv

On 09/20/12 12:05, sdjohnson.mail@gmail.com wrote:

```
> Hi all,
>
> I am encountering a very strange problem with my idl path. I created
> a procedure and placed it in a directory that is in my path. When I
> open a new idl session and try to run the program, IDL throws an
> undefined procedure error. However, I can manually compile the
> procedure with a .compile and then run it just fine. The terminal
> session is pasted below. Also note that other procedures in my path
> seem to compile just fine automatically.
>
> In fact, I have this problem with *any* procedure that I write and
```

> place in my path. However, procedures written by others don't give me
> any trouble (coyote library, goddard astronomy library, xidl, etc).
> Has anyone else encountered a similar issue? Any tips would be
> greatly appreciated!
>
> Thanks,
>
> Sean
>
> IDL> createSpecProFiles % Attempt to call undefined
> procedure/function: 'CREATESPECFILES'. % Execution halted at:
> \$MAIN\$ IDL> .compile createSpecProFiles % Compiled module:
> FORMATSPLITNUMBER. % Compiled module: CREATESPECFILES. IDL>
> createSpecProFiles % Compiled module: MRDFITS. % Compiled module:
> FXPOSIT. % Compiled module: MRD_HREAD. % Compiled module: SXPART. %
> Compiled module: FXPART. % Compiled module: GETTOK. % Compiled module:
> VALID_NUM. MRDFITS: Image array (2947,150,6) Type=Real*4 % Compiled
> module: MRD_SKIP. MRDFITS: Image array (2947,5020) Type=Real*4
> MRDFITS: Image array (2947,5020) Type=Real*4 NCOLUMNS LONG
> = 2947 % Compiled module: NUMBER_FORMATTER. % Compiled
> module: REPSTR. % Compiled module: MWRFIT. % Compiled module:
> FXADDPART. % Compiled module: DETABIFY. % Compiled module: FXPARTPOS. %
> Compiled module: SXADDPART. % Compiled module: FAN. % Program caused
> arithmetic error: Floating divide by 0 IDL>

Subject: Re: idl path issue

Posted by [sdjohnson@mail](mailto:sdjohnson@mail.com) on Thu, 20 Sep 2012 17:22:31 GMT

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That solved the problem. Thanks!!
