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Subject: Re: Procedure names must be lowercase on Linux for auto-compile?

Posted by [David Fanning](#) on Sat, 14 May 2005 15:53:56 GMT

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wcramer writes:

- > I was running into problems with auto-compilation of procedures and
- > narrowed down the source of the problem to the filename/procedure name.
- > I have two functions that are identical except for the filename and
- > procedure name (one is isScalar, the other is is\_scalar). The filenames
- > match the function name and both files are located in the same
- > directory, but only is\_scalar will auto-compile when referenced.
- >
- > Am I correct in my diagnosis of the problem? Is this documented
- > anywhere? Does this have something to do with the fact that I'm running
- > on Linux (MAC OS X)?

You are correct in your diagnosis. I'm sure it is documented \*somewhere\*. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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Subject: Re: Procedure names must be lowercase on Linux for auto-compile?

Posted by [Kenneth P. Bowman](#) on Sat, 14 May 2005 21:08:54 GMT

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In article <1116083122.600805.48450@g47g2000cwa.googlegroups.com>, "wcramer" <wcramer@fit.edu> wrote:

- > I was running into problems with auto-compilation of procedures and
- > narrowed down the source of the problem to the filename/procedure name.
- > I have two functions that are identical except for the filename and
- > procedure name (one is isScalar, the other is is\_scalar). The filenames
- > match the function name and both files are located in the same
- > directory, but only is\_scalar will auto-compile when referenced.
- >
- > Am I correct in my diagnosis of the problem? Is this documented
- > anywhere? Does this have something to do with the fact that I'm running
- > on Linux (MAC OS X)?

FWIW, OS X is based on FreeBSD, not Linux.

Mac HFS+ filesystems under OS X 10.3 are case preserving, but not case sensitive. OS X 10.4 offers the option of creating case-sensitive filesystems.

Different operating systems have different rules for handling case, so it is always a good idea to use only lower case for file names. That makes it a lot easier to move IDL source files.

That said, I don't understand why IDL won't find your file.

Ken Bowman

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Subject: Re: Procedure names must be lowercase on Linux for auto-compile?

Posted by [David Fanning](#) on Sun, 15 May 2005 05:33:27 GMT

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Kenneth P. Bowman writes:

> That said, I don't understand why IDL won't find your file.

Well, because \*automatically\* it \*always\* looks for lowercase file names. :-)

Cheers,

David

--

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Subject: Re: Procedure names must be lowercase on Linux for auto-compile?

Posted by [Kenneth P. Bowman](#) on Sun, 15 May 2005 22:45:25 GMT

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In article <MPG.1cf08d0facf7b7ab989a0b@news.frii.com>, David Fanning <davidf@dfanning.com> wrote:

> Kenneth P. Bowman writes:

>

>> That said, I don't understand why IDL won't find your file.

>

> Well, because \*automatically\* it \*always\* looks for  
> lowercase file names. :-)

But he said he is using OS X, which is case insensitive.

This works fine for me on OS X

```
IDL> .r test1234  
% Compiled module: TEST1234.
```

where the file is named "TEST1234.pro".

Ken

---

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Subject: Re: Procedure names must be lowercase on Linux for auto-compile?  
Posted by [David Fanning](#) on Mon, 16 May 2005 00:25:35 GMT  
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Kenneth P. Bowman writes:

> But he said he is using OS X, which is case insensitive.  
>  
> This works fine for me on OS X  
>  
> IDL> .r test1234  
> % Compiled module: TEST1234.  
>  
> where the file is named "TEST1234.pro".

Yes, I would expect that, but the test is this:

```
IDL> test1234
```

Does that work? (Starting in a fresh IDL session, of course.)

Cheers,

David

--  
David Fanning, Ph.D.  
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Subject: Re: Procedure names must be lowercase on Linux for auto-compile?

Posted by [Kenneth P. Bowman](#) on Mon, 16 May 2005 12:22:23 GMT

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In article <MPG.1cf1965c41b88279989a0c@news.frii.com>,  
David Fanning <davidf@dfanning.com> wrote:

> Yes, I would expect that, but the test is this:  
>  
> IDL> test1234  
>  
> Does that work? (Starting in a fresh IDL session, of course.)  
>  
> Cheers,  
>  
> David

```
IDL> test1234
% Attempt to call undefined procedure/function: 'TEST1234'.
% Execution halted at: $MAIN$
IDL> .com test1234
% Compiled module: TEST1234.
```

Oh, of course, now that makes sense.

Ken

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Subject: Re: Procedure names must be lowercase on Linux for auto-compile?

Posted by [wcramer](#) on Mon, 16 May 2005 13:56:53 GMT

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Thanks for confirming that!

I guess I'll just have to give in and change my usual naming convention  
to accommodate this weird behavior.

Doug

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Subject: Re: Procedure names must be lowercase on Linux for auto-compile?

Posted by [David Fanning](#) on Mon, 16 May 2005 14:19:25 GMT

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Kenneth P. Bowman writes:

> Oh, of course, now that makes sense.

Well, I'm not sure it makes "sense". But it is the

way it works. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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