
Subject: Re: idl5.5 bug (relative path)
Posted by [Nigel Wade](#) on Thu, 07 Feb 2002 11:33:54 GMT
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Reimar Bauer wrote:

```
> Hi,  
>  
> I have problems accessing data over a relative paths.  
>  
>  
> $ ls ../../../../data/mo_output/modell_original_output/test.dat  
> gives ../../../../data/mo_output/modell_original_output/test.dat  
>  
> print,file_test('../../../../data/mo_output/modell_original_output/test.dat')  
> 0  
>  
>  
> Is there a work around known?  
>  
> Reimar
```

Unfortunately I can confirm this bug on Linux, IRIX and Solaris.
It goes wrong at the ../../ stage (../ is ok).

Can you use `file_expand_path()`? This seems to do relative paths ok.

E.g. on my system :

```
IDL> print,file_test('../../../../data/nmw')  
0
```

```
IDL> print,file_test(file_expand_path('../../../../data')+'../../nmw')  
1
```

--

Nigel Wade, System Administrator, Space Plasma Physics Group,
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Phone : +44 (0)116 2523568, Fax : +44 (0)116 2523555

Subject: Re: idl5.5 bug (relative path)
Posted by [Paul van Delst](#) on Thu, 07 Feb 2002 14:29:22 GMT
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Reimar Bauer wrote:

```
>
> Hi,
>
> I have problems accessing data over a relative paths.
>
> $ ls ../../../../data/mo_output/modell_original_output/test.dat
> gives ../../../../data/mo_output/modell_original_output/test.dat
>
> print,file_test('../../../../data/mo_output/modell_original_output/test.dat')
> 0
>
> Is there a work around known?
```

Things like

```
print,file_test('~/.data/mo_output/modell_original_output/test.dat')
```

won't work either.

bummer.

paulv

--

Paul van Delst Religious and cultural
CIMSS @ NOAA/NCEP purity is a fundamentalist
Ph: (301)763-8000 x7274 fantasy
Fax:(301)763-8545 V.S.Naipaul

Subject: Re: idl5.5 bug (relative path)
Posted by [Nigel Wade](#) on Thu, 07 Feb 2002 18:40:02 GMT
[View Forum Message](#) <> [Reply to Message](#)

Paul van Delst wrote:

```
> Reimar Bauer wrote:
>>
>> Hi,
>>
>> I have problems accessing data over a relative paths.
>>
>> $ ls ../../../../data/mo_output/modell_original_output/test.dat
>> gives ../../../../data/mo_output/modell_original_output/test.dat
>>
>>
>> print,file_test('../../../../data/mo_output/modell_original_output/test.dat')
>> 0
```

```
>>
>> Is there a work around known?
>
> Things like
>
>   print,file_test('~'/data/mo_output/modell_original_output/tes t.dat')
>
> won't work either.
>
> bummer.
>
> paulv
>
```

I can understand that. ~ is a shell expansion (and only in some shells) so if it doesn't use a sub-process and a shell which understands ~, ~ won't get expanded.

But it would be useful (at least on UNIX, I'm not sure what Windows would make of it).

--

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Subject: Re: idl5.5 bug (relative path)
Posted by [thompson](#) on Thu, 07 Feb 2002 23:28:30 GMT
[View Forum Message](#) <> [Reply to Message](#)

Nigel Wade <nmw@ion.le.ac.uk> writes:

> Reimar Bauer wrote:

```
>> Hi,
>>
>> I have problems accessing data over a relative paths.
>>
>>
>> $ ls ../../../../data/mo_output/modell_original_output/test.dat
>> gives ../../../../data/mo_output/modell_original_output/test.dat
>>
>> print,file_test('../../../../data/mo_output/modell_original_ output/test.dat')
>> 0
>>
```

```
>>
>> Is there a work around known?
>>
>> Reimar
```

```
> Unfortunately I can confirm this bug on Linux, IRIX and Solaris.
> It goes wrong at the ../../.. stage (../../ is ok).
```

I tried this with IDL/v5.4.1 on my Alpha workstation, and had no problems. I was able to make it work to five levels, at which point I stopped testing.

```
IDL> print,file_test('../../../../.cshrc')
1
```

One thing you have to be careful about is that none of the directories can be logical links to other places. For example, on my system I can do the following

```
> echo $PWD
/disk1/thompson/temp
> cd ..
> echo $PWD
/disk10/thompson
```

If you were in the temp directory, you might think that .. would take you to /disk1/thompson, but it actually takes you to /disk10/thompson, because temp is really a logical link to a directory on a different disk. Is it possible that this is what is causing the problem?

William Thompson

Subject: Re: idl5.5 bug (relative path)
Posted by [R.Bauer](#) on Fri, 08 Feb 2002 09:16:40 GMT
[View Forum Message](#) <> [Reply to Message](#)

Nigel Wade wrote:

```
>
> Paul van Delst wrote:
>
>> Reimar Bauer wrote:
>>>
>>> Hi,
>>>
>>> I have problems accessing data over a relative paths.
>>>
>>> $ ls ../../../../data/mo_output/modell_original_output/test.dat
>>> gives ../../../../data/mo_output/modell_original_output/test.dat
```

```

>>>
>>>
> print,file_test(' ../../../../data/mo_output/modell_original_ output/test.dat')
>>> 0
>>>
>>> Is there a work around known?
>>
>> Things like
>>
>> print,file_test('~ /data/mo_output/modell_original_ output/tes t.dat')
>>
>> won't work either.
>>
>> bummer.
>>
>> paulv
>>
>
> I can understand that. ~ is a shell expansion (and only in some shells) so
> if it doesn't use a sub-process and a shell which understands ~, ~ won't
> get expanded.
>
> But it would be useful (at least on UNIX, I'm not sure what Windows would
> make of it).

```

This has worked by idl5.4.1 and it is not described anywhere that it should not work in idl5.5.

Reimar

--

Reimar Bauer

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<http://www.fz-juelich.de/icg/icg1/>

=====

a IDL library at Forschungszentrum Juelich

[http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.h tml](http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html)

<http://www.fz-juelich.de/zb/text/publikation/juel3786.html>

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