
Subject: file_search windows problem

Posted by [Jacques Basson](#) on Wed, 14 May 2003 10:49:41 GMT

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Hi all

I am having a problem with file_search and windows UNC names.
file_search using the "\\hostname\sharename..." returns 0 files always.
findfile using the exact same path as file_search works fine. If I use a mapped drive, then file_search returns the correct answer.

```
IDL> print, file_search("\\machine\share\path\*", count=n)
```

```
0
```

```
IDL> print, findfile("\\machine\share\path\*", count=n)
```

```
5
```

```
IDL> print, file_search("G:\path\*", count=n)
```

```
5
```

I need to use \\hostname because the IDL program must run on various machines therefore I can't use file_search. Also I can't use findfile because it falls foul of a very obscure windows bug - windows matches wildcards against both the full name and the 8.3 name. As an example, for the files below,

```
C:\tmp>dir /X
```

```
Volume in drive C has no label.
```

```
Volume Serial Number is 5823-C19A
```

```
Directory of C:\tmp
```

```
2003/05/14 12:19    <DIR>          .
2003/05/14 12:19    <DIR>          ..
2003/05/14 12:18         0 123456~1.DAT  123456789A.dat
2003/05/14 12:18         0 123456~2.DAT  123456789B.dat
2003/05/14 12:18         0 123456~3.DAT  123456789C.dat
2003/05/14 12:18         0 123456~4.DAT  123456789D.dat
2003/05/14 12:18         0 1209B9~1.DAT  123456789E.dat
2003/05/14 12:19         0 1219BD~1.DAT  1234567B9E.dat
        6 File(s)          0 bytes
        2 Dir(s) 34,168,795,648 bytes free
```

IDL gets 2 matches for the string "*B9*"

```
IDL> print, findfile('C:\tmp\*B9*')
```

```
C:\tmp\123456789E.dat C:\tmp\1234567B9E.dat
```

In file_search, there are workarounds...

```
IDL> print, file_search('C:\tmp\*B9*')
C:\tmp\1209B9~1.DAT C:\tmp\1234567B9E.dat
IDL> print, file_search('C:\tmp\*B9*.dat', fold_case=0)
C:\tmp\1234567B9E.dat
```

Does anyone have any suggestion for a workaround?

Cheers,
Jacques

Subject: Re: file_search windows problem
Posted by [wgallery](#) on Thu, 22 May 2003 17:13:25 GMT
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Jacques Basson <basson@cyclopsNoSpAmnu.ac.za> wrote in message
news:<1052909384.778379@osprey.und.ac.za>...

> Hi all

>

> I am having a problem with file_search and windows UNC names.

> file_search using the "\\hostname\sharename..." returns 0 files always.

> findfile using the exact same path as file_search works fine. If I use a

> mapped drive, then file_search returns the correct answer.

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> IDL> print, file_search("\\machine\share\path*", count=n)

> 0

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> 5

> IDL> print, file_search("G:\path*", count=n)

> 5

>

> I need to use \\hostname because the IDL program must run on various

> machines therefore I can't use file_search. Also I can't use findfile

> because it falls foul of a very obscure windows bug - windows matches

> wildcards against both the full name and the 8.3 name. As an example,

> for the files below,

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> C:\tmp>dir /X

> Volume in drive C has no label.

> Volume Serial Number is 5823-C19A

>

> Directory of C:\tmp

>

> 2003/05/14 12:19 <DIR> .

> 2003/05/14 12:19 <DIR> ..

> 2003/05/14 12:18 0 123456~1.DAT 123456789A.dat

> 2003/05/14 12:18 0 123456~2.DAT 123456789B.dat

```

> 2003/05/14 12:18          0 123456~3.DAT  123456789C.dat
> 2003/05/14 12:18          0 123456~4.DAT  123456789D.dat
> 2003/05/14 12:18          0 1209B9~1.DAT  123456789E.dat
> 2003/05/14 12:19          0 1219BD~1.DAT  1234567B9E.dat
>          6 File(s)          0 bytes
>          2 Dir(s) 34,168,795,648 bytes free
>
> IDL gets 2 matches for the string "*B9*"
>
> IDL> print, findfile('C:\tmp\*B9*')
> C:\tmp\123456789E.dat C:\tmp\1234567B9E.dat
>
> In file_search, there are workarounds...
>
> IDL> print, file_search('C:\tmp\*B9*')
> C:\tmp\1209B9~1.DAT C:\tmp\1234567B9E.dat
> IDL> print, file_search('C:\tmp\*B9*.dat', fold_case=0)
> C:\tmp\1234567B9E.dat
>
>
> Does anyone have any suggestion for a workaround?
>
> Cheers,
> Jacques

```

I have a related problem. On Windows NT, I have a file
'at_fastlook.pro' plus its Emacs backup 'at_fastlook.pro~' as follows:

```

(from msdos dir /x)
05/20/03 04:21p          71,956 AT_FAS~1.PRO  at_fastlook.pro
05/20/03 04:17p          71,952 AT_FAS~2.PRO  at_fastlook.pro~

```

In idl (5.6), findfile returns:

```

DL> print, findfile('at_fas*.pro')
at_fastlook.pro at_fastlook.pro~

```

while file_search returns:

```

IDL> print, file_search('at_fas*.pro')
AT_FAS~2.PRO at_fastlook.pro

```

i.e. both the file and the backup file are returned. This appears to
be true for any file with 4 characters in the extension.

Question: how can I get findfile or file_search to return only files
with the '.pro' extension without additional programming?

Cheers,
Bill Gallery
