
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.
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> 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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> I need to use \hostname because the IDL program must run on various
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> Directory of C:\tmp
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> 2003/05/14 12:19    <DIR>          .
> 2003/05/14 12:19    <DIR>          ..
> 2003/05/14 12:18          0 123456~1.DAT  123456789A.dat
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```

```

> 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
