
Subject: Re: findfile on unix bug - help

Posted by nobody@nowhere.com (S) on Thu, 04 Oct 2001 20:39:56 GMT

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On Thu, 4 Oct 2001 13:43:43 -0600, R.G.S. <rgs1967@hotmail.com> wrote:

> Hi,
>
>
>
>
> I have a problem running my code on a unix machine
> (idl5.4). The command is as follows:
>
>
> files = findfile(subdirectory+'*.dat',count=num)

On Linux and IDL 5.2, I do: result=findfile('subdirectory/*.dat') and it works fine, what's the "+" for anyways?

-Steve

>
> This does not give me the files in that subdirectory, rather it gives me the
> files in the current folder.
>
>
>
> So now if I do the same command as:
> files = findfile(subdirectory+'*',count=num)
> I do get the entire listing. This is how I work around it,
> however, it is possible that there are files other than the *.dat
> and I want to filter on those. This works in win2000 nicely, so
> what is the problem on the unix side?
>
> I can use * in unix command lines. For instance
>> ls *.txt
> lists only the txt files.
>
> So how do I perform this command so as to find and filter
> the *.dat files?
>
>
> Cheers,
> bob stockwell
> colorado research associates
> boulder co usa
>
>
> -- didn't find anything helpful on google groups

>
>
>

--

Steve S.

steve@NOSPAMmailaps.org
remove NOSPAM before replying

Subject: Re: findfile on unix bug - help
Posted by [R.G.S.](#) on Thu, 04 Oct 2001 20:48:32 GMT
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Steve Smith<steven_smith> <nobody@nowhere.com> wrote in message
news:slrn9rpi8q.v7j.nobody@pooh.nrel.gov...
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> works fine, what's the "+" for anyways?

subdirectory is a string retrieved through an object method.

My variable is
subdirectory = '/data/ocean03/QSCAT-KU2001/DATA/'
Thus, subdirectory+'*.dat' = '/data/ocean03/QSCAT-KU2001/DATA/*.dat'
and then
files = findfile('/data/ocean03/QSCAT-KU2001/DATA/*.dat',count=num)
doesn't work (gives file list from current directory)
whereas
files = findfile('/data/ocean03/QSCAT-KU2001/DATA/*',count=num)
does give all the files (problem is that I only want *.dat files).

There are ~11,000 files in that folder. This isn't (?) a problem since the

command works with the file name part = '*' as opposed to '*.dat'.

Cheers,
bob

Subject: Re: findfile on unix bug - help
Posted by [thompson](#) on Thu, 04 Oct 2001 21:40:11 GMT
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"R.G.S." <rgs1967@hotmail.com> writes:

(stuff deleted)

> There are ~11,000 files in that folder. This isn't (?) a problem since the
> command works with the file name part = '*' as opposed to '*.dat'.

Actually, this leads me to believe that you might indeed be running into a problem with the total number of files. The find_file.pro procedure I posted earlier might help you.

The core of that routine is using spawn,/noshell. You might be able to do the same thing with a command like

```
spawn,/noshell,['find',subdirectory,'-name','*.dat','-print' ],files
```

William Thompson

P.S. I still suggest first verifying that subdirectory isn't blank.
