Subject: Re: findfile on unix bug - help Posted by nobody@nowhere.com (S on Thu, 04 Oct 2001 20:39:56 GMT View Forum Message <> Reply to Message

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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
> (idlv5.4). 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
```

Subject: Re: findfile on unix bug - help Posted by R.G.S. on Thu, 04 Oct 2001 20:48:32 GMT View Forum Message <> Reply to Message

Steve Smith<steven_smith> <nobody@nowhere.com> wrote in message news:slrn9rpi8q.v7j.nobody@pooh.nrel.gov...

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> On Linux and IDL 5.2, I do: result=findfile('subdirectory/*.dat') and it
> 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 View Forum Message <> Reply to Message

"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.