Subject: Findfile finds no files
Posted by Pete Riley on Wed, 03 Apr 2002 02:43:03 GMT

Hi,

I just came across a weird problem I'm not sure if it's been talked about before. I'm using IDL 5.5 on linux RH 7.2. I ran some code which calls findfile() last week and everything worked out fine. Today, it returns no files, even with

Print,findfile('*')

Yet $ls shows all the files in the current directory.

Has anyone come across this?

Thanks in advance, Pete

Subject: Re: Findfile finds no files
Posted by Stein Vidar Hagfors H[1] on Wed, 03 Apr 2002 20:05:20 GMT

Pete Riley <uk2@mac.com> writes:

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I think I came across something similar a loong time ago, on various
unix systems. The problem arises when you have extremely many (long)
file names matching the pattern. The reason is that findfile uses
(used?) the "ls <pattern>" command, resulting in a file-name
expansion that causes an error with too long command lines.

Note: If I'm correct, I think you'll get all of the files by using
findfile with no arguments (i.e. spawning an ls command with no
filename expansion of the command line)!

The only way I've found around it is to write a separate find_file
function that uses e.g. "find -name '<pattern>' -print" on unix systems.

--
 -- -------------
Stein Vidar Hagfors Haugan
ESA SOHO SOC/European Space Agency Science Operations Coordinator for SOHO

NASA Goddard Space Flight Center,   Email: shaugan@esa.nascom.nasa.gov
Mail Code 682.3, Bld. 26, Room G-1, Tel.: 1-301-286-9028/240-354-6066
Greenbelt, Maryland 20771, USA.   Fax: 1-301-286-0264
 -- -------------

Subject: Re: Findfile finds no files
Posted by Richard Younger on Thu, 04 Apr 2002 00:18:50 GMT
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Hi, Pete.

If you can't find a satisfactory solution, since you're in 5.5 (and if
you don't need backwards compatibility), you might open up your What's
New and take a look at file_search(). Supposedly, findfile() is now
deprecated in favor of it.

Best,
Rich

Pete Riley wrote:

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> before. I'm using IDL 5.5 on linux RH 7.2. I ran some code which calls
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--
Richard Younger

Subject: Re: Findfile finds no files
Posted by David Fanning on Thu, 04 Apr 2002 01:19:32 GMT
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Richard Younger (younger@ll.mit.edu) writes:

> If you can't find a satisfactory solution, since you're in 5.5 (and if
> you don't need backwards compatibility), you might open up your What's
> New and take a look at file_search(). Supposedly, findfile() is now
> deprecated in favor of it.

Isn't *File*underscore*Search" a bit of regression in the
function naming game? Or have I missed the change in naming
conventions again? I notice as I grow older that it's not
one damn thing after the other. It's the same damn thing
over and over again. :-(

But I would have thought "FileSearch" would have been hipper.

Cheers,

David
--
David W. Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Findfile finds no files
Posted by Pete Riley on Thu, 04 Apr 2002 05:27:31 GMT
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Thanks for the suggestions. It turns out that my / partition was full.
Deleting some log files and cache fixed the problem....at least temporarily.
Anyone know of a good way to dynamically resize linux partitions without
deleting the data on it? (and I don't have a windows partition so Partition
Magic won't work).

-Pete

On 4/2/02 18:43, in article B8CFAC37.6C53%uk2@mac.com, "Pete Riley"
<uk2@mac.com> wrote:

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Subject: Re: Findfile finds no files
Posted by R.Bauer on Thu, 04 Apr 2002 10:56:03 GMT
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Pete Riley wrote:
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> Deleting some log files and cache fixed the problem....at least temporarily.
> Anyone know of a good way to dynamically resize linux partitions without
> deleting the data on it? (and I don't have a windows partition so Partition
> Magic won't work).

Dear Pete,

I am using partition magic but bootet from a floppy.
works fine.

A very good guide is
http://mobilix.org/Mobile-Guide.db/Mobile-Guide.html

specially
 http://mobilix.org/Mobile-Guide.db/mobile-guide-p1c3s3-linux -tools-to-repartition.html

Reimar

--
Reimar Bauer

Institut fuer Stratosphaerische Chemie (ICG-I)
Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
 -- -------
      a IDL library at ForschungsZentrum Juelich
 http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.h tml

== ======

Subject: Re: Findfile finds no files
Posted by thompson on Fri, 05 Apr 2002 20:17:17 GMT
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Stein Vidar Hagfors Haugan <shaugan@esa.nascom.nasa.gov> writes:

> Pete Riley <uk2@mac.com> writes:

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> --
> -- --------------
> Stein Vidar Hagfors Haugan
> ESA SOHO SOC/European Space Agency Science Operations Coordinator for SOHO

> NASA Goddard Space Flight Center,   Email: shaugan@esa.nascom.nasa.gov
> Mail Code 682.3, Bld. 26, Room G-1,   Tel.: 1-301-286-9028/240-354-6066
> Greenbelt, Maryland 20771, USA.   Fax: 1-301-286-0264
> -- --------------

Pete:

The behavior you describe is the exact symptom of the problem that Stein Vidar refers to. You can find Stein Vidar's find_file.pro procedure at

 ftp://sohoftp.nascom.nasa.gov/solarsoft/gen/idl/system/

I've gotten into the habit of using that instead of the built-in findfile.

William Thompson

Subject: Re: Findfile finds no files` (linux NFS bug)
Posted by Robert Stockwell on Sat, 06 Apr 2002 19:27:06 GMT
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> Pete Riley <uk2@mac.com> writes:
>
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>> Has anyone come across this?
>>

I have, and had to write a piece of code that first checked
the OS, then if *nix, spawned a system command (ls) and then
where'd and strposed the results to get the filtered list.

I would like to point out another file list bug, that caused
many a grey hair.

Under linux redhat 7.0, the NFS has a bug in that for a directory
containg many files (12000 in my case), the filenames are not reported
correctly. Some files will be missing in the ls commands, and some will
be repeated. There are about 5% errors, i.e. a few hundred of files went
missing in ls commands, and a few hundred were repeated in the
'ls' command result.

By "missing" I mean that the file is really there, and can be opened and read

---

directly, but any "ls" command will not have the file in the result.

This caused my analysis of a large satellite data set to have many small holes in it, which were only uncovered after I carefully went through the results. UGH!

Upgrading linux to 7.2 seems to solve the problem

Cheers,
bob stockwell

Subject: Re: Findfile finds no files
Posted by R.Bauer on Sun, 05 May 2002 18:32:26 GMT

Dear all,

as I remember correctly findfile is an obsolete routine since idl5.5.
The new routine is file_search.

With this routine a lot of find_file problems are solved.

regards
Reimar

William Thompson wrote:
>
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> William Thompson

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Reimar Bauer

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email: R.Bauer@fz-juelich.de
 -- -------
      a IDL library at ForschungsZentrum Juelich
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 === =======