Subject: Perform 'find' command (LINUX) in IDL environment
Posted by Kai Heckel on Wed, 27 May 2015 07:34:07 GMT

Hey there!
For reasons of processing time I'd like to replace a 'FILE_SEARCH' command with a faster 'find'
LINUX command.

Here is what I have so far...

```
mydir = 'F:\startdir\anotherdir\maindir\data'
cd, mydir
spawn, 'pwd'
spawn, 'find' -type f -name "*132.txt"
```

The result should be every text file ending with "132.txt".
Where am I going wrong here?

Thanks,
Kai

Subject: Re: Perform 'find' command (LINUX) in IDL environment
Posted by Helder Marchetto on Wed, 27 May 2015 07:55:53 GMT

On Wednesday, May 27, 2015 at 9:34:09 AM UTC+2, Kai Heckel wrote:
> Hey there!
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>
> Thanks,
> Kai

Hi,
I have no Linux to test this, but the spawn command expects a string as argument. Therefore I

would do something like:

spawn, 'find -type f -name "*132.txt"'

Not tested!

Cheers,
Helder

Subject: Re: Perform 'find' command (LINUX) in IDL environment
Posted by Kai Heckel on Wed, 27 May 2015 08:19:42 GMT

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Am Mittwoch, 27. Mai 2015 09:55:55 UTC+2 schrieb Helder:
> On Wednesday, May 27, 2015 at 9:34:09 AM UTC+2, Kai Heckel wrote:
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Perfect, this works, thanks for that.

How can I store the search results in a variable in order to use them in IDL.

Something like this:

results = spawn, 'find -type f -name "*132.txt"'

Subject: Re: Perform 'find' command (LINUX) in IDL environment
Posted by Helder Marchetto on Wed, 27 May 2015 08:27:54 GMT

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On Wednesday, May 27, 2015 at 10:19:45 AM UTC+2, Kai Heckel wrote:
> Am Mittwoch, 27. Mai 2015 09:55:55 UTC+2 schrieb Helder:
>> On Wednesday, May 27, 2015 at 9:34:09 AM UTC+2, Kai Heckel wrote:
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> Something like this:
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Look at the spawn documentation: http://www.exelisvis.com/docs/SPAWN.html
The synthax is:
SPAWN [, Command [, Result] [, ErrResult]]
and result is what you need.
So that should rather look like:
spawn, 'find -type f -name "*132.txt"', myOutput
print, myOutput

cheers,
Helder

Subject: Re: Perform 'find' command (LINUX) in IDL environment
Posted by Kai Heckel on Wed, 27 May 2015 09:04:48 GMT

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Am Mittwoch, 27. Mai 2015 10:27:56 UTC+2 schrieb Helder:
> On Wednesday, May 27, 2015 at 10:19:45 AM UTC+2, Kai Heckel wrote:
>> Am Mittwoch, 27. Mai 2015 09:55:55 UTC+2 schrieb Helder:
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> So that should rather look like:
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> print, myOutput
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> cheers,
> Helder

Somehow the variable 'myOutput' is empty... no files are found.
I thought I might be in the wrong directory, so I typed: spawn, 'pwd'
... but IDL didn't print anything. Shouldn't the 'mydir' appear after that command?

Subject: Re: Perform 'find' command (LINUX) in IDL environment
Posted by Lajos Foldy on Wed, 27 May 2015 10:48:03 GMT

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On Wednesday, May 27, 2015 at 11:04:50 AM UTC+2, Kai Heckel wrote:
> Am Mittwoch, 27. Mai 2015 10:27:56 UTC+2 schrieb Helder:
>> On Wednesday, May 27, 2015 at 10:19:45 AM UTC+2, Kai Heckel wrote:
>>> Am Mittwoch, 27. Mai 2015 09:55:55 UTC+2 schrieb Helder:
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> I thought I might be in the wrong directory, so I typed: spawn, 'pwd'
> ... but IDL didn't print anything. Shouldn't the 'mydir' appear after that command?

Try this:

spawn, 'find F:/startdir/anotherdir/maindir/data -type f -name "*132.txt"', myOutput

(You said Linux, so I have replaced backslashes with forward slashes.)

regards,
Lajos