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:
>>>> On Wednesday, May 27, 2015 at 9:34:09 AM UTC+2, Kai Heckel wrote:
>>>> > 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
>>>>
>>>> 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
>>>
>>> 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"'
>>
>> 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
>
> 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?

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