
Subject: Re: Path/Directory String

Posted by [David Fanning](#) on Tue, 31 Jul 2007 11:58:07 GMT

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payon@gmx.de writes:

- > Is there also any possibility to get such a string only when choosing
- > a directory?
- > My problem is, that i want the user to choose only a directory and not
- > a specified file.. because in the directory itself, there are always
- > the same filenames, which have to be analyzed. But what changes is
- > file path. So I want the user to give a possibility to browse and to
- > select the current project path in my widget.
- > any suggestions?

Set the DIRECTORY keyword to DIALOG_PICKFILE and you can only select directories.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Path/Directory String

Posted by [payon](#) on Tue, 31 Jul 2007 12:28:31 GMT

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- >
- > Set the DIRECTORY keyword to DIALOG_PICKFILE and you can only
- > select directories.
- >
- > Cheers,
- >
- > David
- >
- > --
- > David Fanning, Ph.D.
- > Fanning Software Consulting, Inc.
- > Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
- > Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Ah all right thanks a lot, it works!
And now i have the next small problem.

Now i tried to read out all filenames which are included in the
selected path

with `files=file_search(dialog_pickfile(/dir),'*.tif')`

I wanted to compare them with a defined string array, to know which
files are missing, and so which computations cannot be proceed.
the problem is, that in my defined array, i just have the filenames.
Because the path is variable. But the result of
`files=file_search(dialog_pickfile(/dir),'*.tif')` gives me the filename
with the whole path. Is there any possibility to get just the
filenames in a path, without any path link?

thanks a lot again!

martin

Subject: Re: Path/Directory String
Posted by [David Fanning](#) on Tue, 31 Jul 2007 12:47:41 GMT
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payon@gmx.de writes:

> Ah all right thanks a lot, it works!
> And now i have the next small problem.

You may have more problems then you realize when
you put functions with CANCEL buttons inside of
other functions, but I guess you will discover that
soon enough. :-)

> Now i tried to read out all filenames which are included in the
> selected path
> with `files=file_search(dialog_pickfile(/dir),'*.tif')`
> I wanted to compare them with a defined string array, to know which
> files are missing, and so which computations cannot be proceed.
> the problem is, that in my defined array, i just have the filenames.
> Because the path is variable. But the result of
> `files=file_search(dialog_pickfile(/dir),'*.tif')` gives me the filename
> with the whole path. Is there any possibility to get just the
> filenames in a path, without any path link?

You might try moving to the directory you selected (not
possible with the way you are writing the code, but it
shouldn't be written that way anyhow, so...) and `*then*`
using `FILE_SEARCH` to look for the files. You can use the

CD command to change directories.

```
theDir = DIALOG_PICKFILE(/DIRECTORY)
IF theDir EQ "" THEN RETURN
CD, theDir, CURRENT=currentDir
theFiles = FILE_SEARCH(*.tif)
CD, currentDir
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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Subject: Re: Path/Directory String

Posted by [payon](#) on Tue, 31 Jul 2007 13:10:57 GMT

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>
> You might try moving to the directory you selected (not
> possible with the way you are writing the code, but it
> shouldn't be written that way anyhow, so...) and *then*
> using FILE_SEARCH to look for the files. You can use the
> CD command to change directories.
>
> theDir = DIALOG_PICKFILE(/DIRECTORY)
> IF theDir EQ "" THEN RETURN
> CD, theDir, CURRENT=currentDir
> theFiles = FILE_SEARCH(*.tif)
> CD, currentDir
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Wow, thanks a lot again! Very simple, but very clever. I didn't think about to change the directory. But this is the simplest way to get just the filename! So i wish you to have a nice day and thanks again, david!

By the way, i've bought your book IDL Programming Techniques, 2nd Edition. It is really fantastic! I learned a lot, and it's also a big help with widget programming. I still use it as my reference IDL book, because you describe things on a very simple and understandable way! It would be also very great, if you could also describe the `call_external` routine as well as `make_dll` to implement some simple C code in IDL. Maybe in the 3rd edition? :) Because I didn't find any book where it was explained clearly. Of course, IDL doesn't need any C functions. It's more powerful, but I had to control my Camera via a frame grabber. And this was only possible with C.. Ok.. thanks and bye ..

Martin

Subject: Re: Path/Directory String
Posted by [Jeff N.](#) on Tue, 31 Jul 2007 14:28:42 GMT
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On Jul 31, 8:28 am, pa...@gmx.de wrote:
> with the whole path. Is there any possibility to get just the
> filenames in a path, without any path link?
>

Try this and see if it doesn't also do what you want:

```
fnames = file_basename(files)
```

Jeff

Subject: Re: Path/Directory String
Posted by [payon](#) on Tue, 31 Jul 2007 15:31:32 GMT
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On 31 Jul., 16:28, "Jeff N." <jnett...@utk.edu> wrote:
> On Jul 31, 8:28 am, pa...@gmx.de wrote:
>
>> with the whole path. Is there any possibility to get just the
>> filenames in a path, without any path link?
>
> Try this and see if it doesn't also do what you want:
>
> fnames = file_basename(files)
>

> Jeff

Yes, this also works fine, thanks!
