Subject: Re: Creating Directories

Posted by Martin Schultz on Tue, 06 Jul 1999 07:00:00 GMT

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```
Struan Gray wrote:
    Just for completeness, here's how I do it on a Mac:
>
>
      script = 'tell application "Finder"'
>
      script = [script, 'make new folder at item "'+path+'"']
>
      script = [script, ' select result']
>
      script = [script, ' set name of selection to "'+newdir+'"']
>
      script = [script, 'end tell']
>
      do_apple_script, script
>
    How do the Slaves Of Gates do it?
>
> Struan
6 lines versus 3. Viva Unix (and it's flavors!)
(still shorter than my signature at the moment ;-)
Martin Schultz, DEAS, Harvard University, 29 Oxford St., Pierce 109,
                         phone (617) 496 8318 fax (617) 495 4551
Cambridge, MA 02138
e-mail mgs@io.harvard.edu web http://www-as/people/staff/mgs/
****** ADDRESS CHANGE: AFTER JULY 15, 1999 **********
   Max-Planck-Institut fuer Meteorologie
                                         >>> N E W <<<
   Bundesallee 55
                                  >>> NEW <<<
   20147 Hamburg
                                   >>> N E W <<<
   Germany
                                >>> N E W <<<
   phone (+49 40) 41173 - 0
                                     >>> N E W <<<
                                       >>> NEW <<<
   email martin.schultz@dkrz.de
(email to mgs@io.harvard.edu will be forwarded)
```

Subject: Re: Creating Directories
Posted by Struan Gray on Tue, 06 Jul 1999 07:00:00 GMT

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```
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script = [script, ' make new folder at item "'+path+'"']
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script = [script, ' set name of selection to "'+newdir+'"']
script = [script, 'end tell']
do_apple_script, script
```

How do the Slaves Of Gates do it?

Struan

Subject: Re: Creating Directories

Posted by luthi on Tue, 06 Jul 1999 07:00:00 GMT

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Jessica

You could try the spawn command like this

mydirectory='newdir' spstr = 'mkdir '+mydirectory SPAWN, spstr,/sh

Cheers

Martin

Martin Luethi Tel. +41 1 632 40 92 Glaciology Section Fax. +41 1 632 11 92 VAW ETH Zuerich CH-8092 Zuerich mail luthi@vaw.baum.ethz.ch

Switzerland

Subject: Re: Creating Directories

Posted by davidf on Wed, 07 Jul 1999 07:00:00 GMT

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Jessica Kim (jkim@stsci.edu) writes:

- > Wow!! Thank you so much! That is exactly what I needed!!!
- > All you guys rule!

Wow! Let's just say I'm gonna be showing up here even more than I have in the past. :-)

Cheers.

David

--

David Fanning, Ph.D.

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

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Creating Directories

Posted by Jessica Kim on Wed, 07 Jul 1999 07:00:00 GMT

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Wow!! Thank you so much! That is exactly what I needed!!! All you guys rule!

jess

Martin LUETHI GL A8.1 2-4092 wrote:

>

- > Jessica
- >
- > You could try the spawn command like this

>

- > mydirectory='newdir'
- > spstr = 'mkdir '+mydirectory
- > SPAWN,spstr,/sh

>

> Cheers

>

- > Martin
- > --

Martin Luethi
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> VAW ETH Zuerich

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> Switzerland

Subject: Re: Creating Directories Posted by Struan Gray on Wed, 07 Jul 1999 07:00:00 GMT

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Martin Schultz, mgs@io.harvard.edu writes:

> 6 lines versus 3. Viva Unix (and it's flavors!)

Ahem.

Tsch��,

Struan

Subject: Re: Creating Directories Posted by luthi on Wed, 07 Jul 1999 07:00:00 GMT

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Martin Schultz wrote

> 6 lines versus 3. Viva Unix (and it's flavors!)

actually it's one single line:

SPAWN, 'mkdir '+mydirectory, /sh

cheers

Martin

--

Martin Luethi Tel. +41 1 632 40 92 Glaciology Section Fax. +41 1 632 11 92 VAW ETH Zuerich CH-8092 Zuerich mail luthi@vaw.baum.ethz.ch Switzerland

Subject: Re: Creating Directories
Posted by Harald Frey on Tue, 13 Jul 1999 07:00:00 GMT

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Trond Trondsen wrote:

- > The solutions presented in this thread all seem to be unacceptable
- > in view of the fact that IDL is, in principle, platform independent.
- > I was contracted to write a piece of widget software that is supposed
- > to run under unix/linux (the only platform *I* am able to stomach),
- > VMS, Mac, as well as MS-Win/99 (or whatever it's called now). I happen to need
- > to create subdirectories recursively and so on -- so, if I may ask,
- > where is the IDL command to do directory creation platform independently.
- > Independent like FILEPATH, for example. If I had direct access to all the
- > different platforms I could of course easily write my own function using
- > the !VERSION system variable. Let me know if anybody comes up with a
- > CREATEDIR command for IDL. :-) -trond

>

This may not be the "perfect and complete" answer, but what I do to run a program on different platforms is to use a batch file which defines the common blocks (oh, yes I use common blocks!) and defines the platform specific path names, directory separators etc.

Here is the main part of the batch file as an example:

```
====== snipped some code here =======
            ; on which computer is it running
             ; this list can be extended in future if neccessary
      ; you have to edit this datapath and the filepath for the programs
case !version.arch of $
"sparc": begin $
      data path='/disks/sprite/disk2/hfrey/ago/' &$
     file path='/disks/sprite/disk1/hfrey/idl/ago/' &$
      dir sep='/' &$
     dev name='X' &$
     end &$
"PowerMac": begin $
     data_path='+Hard Disk:applications:IDL:IDL 4.0:ago' &$
     file path='+Hard Disk:applications:IDL:IDL 4.0:ago' &$
      dir_sep=':' &$
      dev name='MAC' &$
      end &$
"alpha": begin $
     data path='[hfr.idl.ago.data' &$
     file_path='[hfr.idl.ago ' &$
     dir_sep='.' &$
     dev_name='X' &$
     end &$
```

else: begin \$ print, 'You have to edit the case statement in ago config.cmn' &\$ stop &\$ end &\$ endcase ======== end of batch =====================

All my procedures call this batch at the beginning with

@ago config.cmn

and you might include the platform specific differences in the directory creation here as well.

Harald hfrey@ssl.berkeley.edu

Subject: Re: Creating Directories Posted by trondsen on Tue, 13 Jul 1999 07:00:00 GMT View Forum Message <> Reply to Message

The solutions presented in this thread all seem to be unacceptable in view of the fact that IDL is, in principle, platform independent. I was contracted to write a piece of widget software that is supposed to run under unix/linux (the only platform *I* am able to stomach), VMS, Mac, as well as MS-Win/99 (or whatever it's called now). I happen to need to create subdirectories recursively and so on -- so, if I may ask, where is the IDL command to do directory creation platform independently. Independent like FILEPATH, for example. If I had direct access to all the different platforms I could of course easily write my own function using the !VERSION system variable. Let me know if anybody comes up with a CREATEDIR command for IDL. :-) -trond

Trond S. Trondsen trondsen@phys.ucalgary.ca [VE6NOR] | | Institute for Space Research - Calgary, AB, Canada |