Subject: Re: FILEPATH, FILE MKDIR and portability Posted by David Fanning on Sun, 23 Sep 2001 16:50:29 GMT

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Timm Weitkamp (weitkamp@esrf.fr) writes:

- > Generally using IDL on Unix systems, I thought I'd be nice and try to
- > write my next routine in a way that would allow to run it on other OS
- > families. Now at a certain point in the code, I need to create a
- > scratch subdirectory. In Unix this would be called, say, "/tmp/mydir".
- > Of course in other OSs the name is different. I understand that
- > FILEPATH(/TMP, SUBDIR='mydir', 'myfile') will get me the full path
- > name of a file named "myfile" in such a directory. But to create the
- > directory, I need its name alone.
- I know that on my Unix or Linux machines, I get a correct result when
- > 1 do
- >
- IDL> tmpdir = FILEPATH(/TMP, 'mydir') >
- IDL> FILE_MKDIR, tmpdir >

>

- > But nothing tells me that this will work on just any other operating
- > system, e.g., one that makes a cleaner distinction between files and
- > directories than Unix does. It'd probably work on Windows (though I'd
- > appreciate if someone out there could test and confirm this);

It worked on Windows 2000. The directory is created in the the directory pointed to by the TEMP or TMP system variables.

- > I don't
- > know if it would work on a Mac, and am quite sure it would fail on
- > VMS. So what is the correct general way of creating a directory, if
- > not one that starts with "CASE !VERSION.OS_FAMILY OF ..."?

Don't know. Sometimes there is no way around using !Version.

- > PS. Also, I wonder if it is a bug or a feature that when using
- > FILEPATH with the keyword TMP, the SUBDIRECTORY keyword does not seem
- > to work:

- IDL> tmpfile = FILEPATH(/TMP, SUBDIRECTORY='subdir', 'file.dat') >
- IDL> HELP, tmpfile >
- **IDL> TMPFILE** STRING = '/usr/tmp/file.dat'

Hard to say if it is a bug or feature, but the Subdirectory designation does indeed appear to be ignored.

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/

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Subject: Re: FILEPATH, FILE_MKDIR and portability Posted by weitkamp on Mon, 24 Sep 2001 12:18:12 GMT View Forum Message <> Reply to Message

Thanks for trying on Windows, David. I think this here might be the best way:

IDL> tmpdir = FILEPATH(/TMP,")
IDL> tmp_subdir = FILEPATH(ROOT=tmpdir, SUBDIRECTORY='subdir', ")

... until word reaches me that it fails on some platform.

Timm

David Fanning <david@dfanning.com> wrote in message news:<MPG.1617c0c052f7733e9896bf@news.frii.com>...

> Timm Weitkamp (weitkamp@esrf.fr) writes:

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> David