Subject: Re: gzipped files

Posted by davidf on Thu, 16 Apr 1998 07:00:00 GMT

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Dallas Masters (dallas@lanl.gov) writes:

- > How can I pass the piped output (LUN) to READ\_BMP, READ\_GIF, READ\_TIFF?
- > These procedures take file names as inputs, not LUNs. Is there a way
- > around this?

>

- > Why did RSI not make all I/O routines take either one flavor or all
- > flavors: file name string or LUN? LUNs would make IDL much easier to
- > hack.

I have the distinct feeling I am missing something obvious here, by why can't you just unzip the files in some temporary "data" directory, use FindFile to get all of their names, and then read and delete them to your hearts content?

Using LUNs to access files would surely be hacker heaven, but as for me, I'm content to use file \*names\*.

Cheers.

9702210438

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David Fanning, Ph.D.

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Phone: 970-221-0438

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

Subject: Re: gzipped files

Posted by Dallas Masters on Thu, 16 Apr 1998 07:00:00 GMT

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## David Foster wrote:

>

- > then use
- > SPAWN to unzip the files if you're on a UNIX system. How you read
- > them depends on what kind of files they are. You might use
- > one of the READ\_BMP, READ\_GIF, etc. routines. If the images are

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Thanks,

--

^^^^^^

Dallas Masters Space Engineering Group, NIS-4 Los Alamos National Laboratory (505)665-8018

Subject: Re: gzipped files

Posted by Martin Schultz on Fri, 17 Apr 1998 07:00:00 GMT

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Dallas Masters wrote:
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>

> David Foster wrote:

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- >> then use
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- > hack.

>

- > Thanks,
- > -

Just grab the READ\_\* routines from the IDL lib directory and adapt them to your needs. A compatible way to do it would be something like:

if (n\_elements(ilun) eq 0) then \$ openr,ilun,filename,...

But of course you would have to do some error checking

- (A) whether the files has been opened (fstat)
- (B) if you need the name, make sure it is valid

Maybe RSINC will be interested in your patches.

Regards, Martin.

PS: But what I am really wondering about is WHY is READ\_TIFF a function, whereas READ\_GIF is a procedure?

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Subject: Re: gzipped files

Posted by Dallas Masters on Mon, 20 Apr 1998 07:00:00 GMT

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## Martin Schultz wrote:

>

- > PS: But what I am really wondering about is WHY is READ TIFF a function,
- > whereas READ\_GIF is a procedure ?

I wondered about this too, but a co-worker set me straight. RSI is very good about backwards compatibility. Since most of the routines originated from users, RSI doesn't tinker much with old code in new releases. The fear is that everyone's calls to old code will die if RSI were to "standardize". That's why READ\_GIF and READ\_TIFF are two very different beasts--and will probably stay that way.

That's also why my wish for LUN or file name (or both) input standardization will probably not happen except by my own hacking. If everything could be like perl...

Cheers,

--

^^^^^

Dallas Masters Space Engineering Group, NIS-4 Los Alamos National Laboratory (505)665-8018

Subject: Re: gzipped files

Posted by gurman on Thu, 23 Apr 1998 07:00:00 GMT

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In article <353BEF2F.45AD826@lanl.gov>, Dallas Masters <dallas@lanl.gov> wrote:

> If

> everything could be like perl...

Aaargh. I don't know how you'd finish the sentence, but I would say, "no two pieces of code to do the same thing would look even vaguely alike."

Joe Gurman

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Joseph B. Gurman / NASA Goddard Space Flight Center/ Solar Data Analysis Center / Code 682 / Greenbelt MD 20771 USA / Federal employees are still prohibited from holding opinions while at work. Any opinions expressed herein must therefore be someone else's.