
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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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,

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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:

>
> David Foster wrote:
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> flavors: file name string or LUN? LUNs would make IDL much easier to
> 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,

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^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Dallas Masters
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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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Any opinions expressed herein must therefore be someone else's.
