
Subject: Re: gzipped files
Posted by [dlhopols](#) on Thu, 09 Apr 1998 07:00:00 GMT
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In article <6gi5lk\$ah8\$1@info.abdn.ac.uk>,
mph406@biomed.abdn.ac.uk wrote:

>
> Is there a way to access a directory containing gzipped files (images in
this case), unzip those files,
> read them into an array (which I can already do when unzipped manually from
the system prompt) and then re-zip the files, all within a .pro.

I just did this a while ago, I have rather a complicated directory
pathname but the FINDFILE command finds all matching files and puts them
into a string array. All that you really need to know is the command
and SPAWN lines. The SPAWN command unzips the file without affecting it
in any way.

There is no need to re-zip it, and it can be write protectd. The data is
piped into a unit number which can be read with: readu,lun,dataimage
or whatever read command you use. (Check out Esrg-3.2 libraries
referenced on the IDL pages, idl-fortran contains some example
code.)

>>>> code:

```
file_string = data_path
print,file_string
filename_array=FINDFILE(data_path+wildcard,COUNT=number_of_files)
print,'Information about Matching Files:'
help,filename_array
; Prints out names of data files found
print,'Name of file found:',filename_array
```

```
IF (number_of_files GT 0) THEN BEGIN
  FOR i = 0, number_of_files-1 DO BEGIN
```

```
    command = 'zcat '+filename_array(i)
    SPAWN,command,unit = lun
    print,'..Reading output from command ',command
    ...
    dataimage=intarr(pif_c,pif_l)
    readu,lun,dataimage
    ...
    free_lun,lun
    return
  end
```

I hope I didn't forget anything. Good luck!

Rose

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