
Subject: Re: Reading a Gzipped file in IDL?
Posted by [Ken Kump](#) on Thu, 21 Nov 1996 08:00:00 GMT
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Phil Alvin wrote:

>
> Does anyone know of an IDL routine that can un-gzip a file?
> I realize we could span a gzip process, but we are trying to be
> platform independent and the easiest way to do this would be to
> have an IDL routine which can un-gzip the file before it is read
> with a standard reading routine.

I'm not aware of any, but here is my solution.

I've written a C-routine which I use

a call `_external` from IDL. Since my volume is a known size, I
define the volume in IDL, and pass this to C with the filename
which is to be uncompressed.

Here is a code segment for a 2D read:

```
cmdline ='zcat temp.Z';  
cons=popen(cmdline,"r");  
  for(i=0;i<ImageYsize;i++) for(j=0;j<ImageXsize;j++)  
  { fscanf(cons,"%c%c",&high,&low);  
    xx[j*ImageXsize + j]=low+(unsigned int)(256)*high;  
  }  
pclose(cons);
```

I don't claim this to be terribly efficient...and I'd be
happy to see some improvements...but this worked.

--

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