Subject: Re: Lots of files
Posted by Paul Van Delst[1] on Fri, 16 Mar 2007 20:07:17 GMT
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David Fanning wrote:
> Lasse Clausen writes:
>
>> I would like to split the one file into 31. In fact, I would like to
>> open all 32 files, loop through the big file and put the data
>> according to the index into the small file. However, IDL only lets me
>> open 28 files at a time, right?
>> IDL Help for Get_lun says: The file unit number obtained is in the
>> range 100 to 128.
>> So I end up opening and closing the according small file during each
>> loop which works great, however it is excruciatingly slow due to all
>> the waiting for the hard disk.
>>
>> Ah, and the number of stations varies, sometimes its 21, sometimes 29,
>> most of the time 30, I never know what it is going to be. Therefore, I
>> can only use the point_lun procedure to skip from data to data
>> belonging to one station if I parse the stations first. Which I could
>> do, but maybe one of you has a better idea? Any thoughts?
>
> I would use the pool of LUNs from 1 to 99, rather than the
> pool IDL access with GET_LUN from 100 to 128.
>
> OPENW, 1, ...
> OPENW, 2, ...
> ...
> OPENW, 99, ...

I know you didn't intend to suggest hardwiring 99 different fileid's :o) so maybe what you meant was something more like

```
nfiles = 31
fid_child = LINDGEN(nfiles)+1
fid_parent = nfiles+1

OPEN, fid_parent, fname_parent, .....
FOR i=0,nfiles-1 DO OPEN, fid_child[i], fname_child[i], ...
```

and then redistribute the parent file data into the child files as required.

?

cheersouzo,

paulv

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Paul van Delst Ride lots.
CIMSS @ NOAA/NCEP/EMC Eddy Merckx