
Subject: Re: big file navigation
Posted by [btt](#) on Fri, 31 Oct 2003 14:00:39 GMT
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R.G. Stockwell wrote:

```
> "Ben Tupper" <btupper@bigelow.org> wrote in message
> news:bnmnb6$12g7c2$1@ID-189398.news.uni-berlin.de...
>
>> Hi Bob,
>>
>> I saw that and thought it was quite interesting. So, I can find out where
>
> I am
>
>> within a file - but I can't go anywhere within it.
>>
>> Ben
>
>
>
> Point lun will point the lun wherever you want when used with a positive lun
> eg. point_lun,1,1024
> Point lun will read the current position when used with a negative lun
> eg. point_lun,-1,curpos
>
> I don't have a file that is > 4gb, so I don't know if you are running into
> bugs there, but this does work fine for "normal" files.
>
> So you can write you own routine to do what associate does.
> (actually I am surprised these things fail when the file is > 4gb)
>
```

Hi again,

What you describe above does work for "normal" sized files, but it doesn't for the "wicked big files" I have in hand. I tried to pull together something like ASSOC - but the limiting code was POINT_LUN.

My example using the 8+GB file with output is below.

Thanks for the ideas, but I think I'll have to break the file into smaller pieces.

Cheers,
Ben

***** Code Starts here *****
PRO Big_File_Test

```
file = '/Users/Shared/data/VP16/vpr16.stk'
```

```
Help, File_Info(file), /str
```

```
openR, U, file, /GET_LUN
```

```
location = 5000000LL ; five million as starting point
```

```
increment = 10LL
```

```
;simply loop through, incrementing the requested location  
;by a factor of 10 each time.
```

```
While NOT EOF(U) Do Begin
```

```
Print, "Requested location in bytes is...", location
```

```
Point_LUN, U, location
```

```
location = location * increment
```

```
EndWhile
```

```
Free_LUN, U
```

```
END ;big_File_Test
```

```
***** Code End here *****
```

```
+++++++ Output begins here
```

```
IDL> big_file_test
```

```
** Structure FILE_INFO, 21 tags, length=64, data length=63:
```

```
NAME      STRING  '/Users/Shared/data/VP16/vpr16.stk'
```

```
EXISTS    BYTE    1
```

```
READ      BYTE    1
```

```
WRITE     BYTE    1
```

```
EXECUTE   BYTE    0
```

```
REGULAR   BYTE    1
```

```
DIRECTORY BYTE    0
```

```
BLOCK_SPECIAL BYTE  0
```

```
CHARACTER_SPECIAL
```

```
    BYTE    0
```

```
NAMED_PIPE BYTE    0
```

```
SETUID    BYTE    0
```

```
SETGID    BYTE    0
```

```
SOCKET    BYTE    0
```

```
STICKY_BIT BYTE    0
```

```
SYMLINK   BYTE    0
```

```
DANGLING_SYMLINK
```

```
    BYTE    0
```

```
MODE      LONG      420
ATIME     LONG64    1067607855
CTIME     LONG64    1067297307
MTIME     LONG64    1067297307
SIZE      LONG64    -10606592
Requested location in bytes is... 5000000
Requested location in bytes is... 50000000
Requested location in bytes is... 500000000
Requested location in bytes is... 5000000000
Requested location in bytes is... 50000000000
% POINT_LUN: IDL on this platform does not support 64-bit file access: LOCATION.
% Execution halted at: BIG_FILE_TEST  15
/Users/ben/pemaquid/lib/grampus/big_file_test.pro
%      $MAIN$
```

----- Output ends here
