
Subject: Re: How to get file UNIT from file NAME?
Posted by [Foldy Lajos](#) on Tue, 26 Feb 2008 18:52:51 GMT
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On Tue, 26 Feb 2008, Paul van Delst wrote:

> Hello,
>
> Is it possible to get a file UNIT from a file NAME? For example, in Fortran95
> you can do,
>
> INQUIRE(FILE=Filename, NUMBER=FileID)
>
> i.e. supplying a Filename yields its associated unit number, FileID (which is
> -1 if no unit is connected to the file)
>
> Is there an equivalent IDL command? FSTAT requires one to supply a UNIT
> argument, which is opposite of what I need, i.e. similar to the f95
>
> INQUIRE(UNIT=FileID, NAME=Filename)
>
> Basically I want to be able to derive all the necessary info about the file,
> in particular answering the "Is it open? If so, what unit number?" questions
> just from the filename.
>
> Any info appreciated.
>
> cheers,
>
> paulv
>

You can use HELP, /FILES, OUTPUT=OUT and parse OUT.

regards,
lajos

Subject: Re: How to get file UNIT from file NAME?
Posted by [Vince Hradil](#) on Tue, 26 Feb 2008 18:57:32 GMT
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On Feb 26, 12:27 pm, Paul van Delst <Paul.vanDe...@noaa.gov> wrote:

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 > paulv

You could loop through all possible luns (1:128) and check to see if they are open:

```
for i=1, 128 do begin
  a = fstat(i)
  if a.open eq 1 then print, 'File ' + a.name + ' is open as LUN ' +
string(i,format='(I3.3)')
endfor
```

Subject: Re: How to get file UNIT from file NAME?
 Posted by [Paul Van Delst\[1\]](#) on Tue, 26 Feb 2008 19:19:40 GMT
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Fiğ½LDY Lajos wrote:

>
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> You can use HELP, /FILES, OUTPUT=OUT and parse OUT.

Kewl. Thanks muchly.

So, since the unit/filename correspondence information is available... I wonder how one would influence ITTVIS to build this capability into FSTAT (or FILE_INFO, FILE_TEST, or something)?

cheers,

paulv

Subject: Re: How to get file UNIT from file NAME?
Posted by [Paul Van Delst\[1\]](#) on Tue, 26 Feb 2008 19:22:19 GMT
[View Forum Message](#) <> [Reply to Message](#)

Vince Hradil wrote:

> On Feb 26, 12:27 pm, Paul van Delst <Paul.vanDe...@noaa.gov> wrote:
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>   if a.open eq 1 then print, 'File ' + a.name + ' is open as LUN ' +
> string(i,format='(I3.3)')
> endfor
```

Yeah... I guess that would work. But.... uff da! :o)

cheers.

paulv
