
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:

> 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 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
```