## 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
  vou 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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  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
```

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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```
Fī¿½LDY Lajos wrote:

> On Tue, 26 Feb 2008, Paul van Delst wrote:

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>> 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.
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.
```

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
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paulv

```
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
```