Subject: sec : U Re: Accessing an ASCII database?
Posted by Andrew Cool on Thu, 19 Dec 2002 23:14:58 GMT
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Jonathan Greenberg wrote:
>
> I'm trying to develop an IDL routine that allows multiple machines running
> IDL to query an ASCII database, and update it-- are there any prebuilt
> routines that could help me out with this? I'm running into problems using
> openu, because if two machines open the text file at the same time, strange
> things ensue. Anyone have experience with this or can point me to some
> scripts that could help me out?
>
> --j

Jonathon,

Have a look at the FSTAT function.

The fields OPEN, READ and WRITE should allow you to block access by a second party until the file is released by the guy who's currently got the file open.

Andrew

Fields of the FSTAT Structure
The following descriptions are of fields in the structure returned by the FSTAT function. They are not keywords to FSTAT.

UNIT ï¿½ The IDL logical unit number (LUN).
NAME ï¿½ The name of the file.

OPEN ï¿½ Nonzero if the file unit is open. If OPEN is zero, the remaining fields in FSTAT will not contain useful information.

READ ï¿½ Nonzero if the file is open for read access.
WRITE ï¿½ Nonzero if the file is open for write access.

ISATTY ï¿½ Nonzero if the file is actually a terminal instead of a normal file. For example, if you are using an xterm window on a UNIX system and you invoke FSTAT on logical unit 0 (standard input), ISATTY will be set to 1.

ISAGUI ï¿½ Nonzero if the file is actually a Graphical User Interface (for example, a logical unit associated with the IDL Development Environment). Thus, if you are using the IDLDE and you invoke FSTAT on

logical unit 0 (standard input), ISAGUI will be set to 1.

INTERACTIVE ï¿½ Nonzero if either ISATTY or ISAGUI is nonzero.

XDR ï¿½ Nonzero if the file was opened with the XDR keyword, and is
therefore considered to contain data in the XDR format.

COMPRESS ï¿½ Nonzero if the file was opened with the COMPRESS keyword, and
is therefore considered to contain compressed data in the GZIP format.

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