UniBasic ubtestlock utility

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ubtestlock

SYNOPSIS: Diagnostic Program to Test Record Locking.

$ubtestlock *filename byte-offset length* { ... }

DESCRIPTION

ubtestlock is a test diagnostic program to test record locking in a network environment. It may be executed from the Unix command prompt. It performs the following five operations, any of which may report a system error:

1.   open the file
2.   seek to the *byte-offset*
3.   read the *length* number of bytes
4.   read-lock (without wait)
5.   write-lock (without wait)

If the system is configured correctly for record locking no messages are returned from the program and the system prompt ($) is displayed. Any failures must be analyzed to determine if the read-lock or write-lock operation was the actual cause of the failure. The following is a typical message that indicates record locking is not available: `Read lock error: No locks available`

filename is any absolute or relative path and name of a file that exist on the file system for which the user has read and write access permissions.

byte-offset is a numeric value specifying the starting location in *filename* at which to seek and perform the read, read-lock, and write-lock operations.

length is a numeric value specifying the number of bytes to read. A warning is reported if *length* specifies bytes beyond the end-of-file (EOF). For example, if test1 is a 40 byte file and the following command is issued:

```
$ ubtestlock test1 5 40
```

The following message is reported:

```
Warning: read request 40, actual read 36 in file test1
```

EXAMPLE

```
$ ubtestlock testfile 0 10
$ ubtestlock testa 0 10 testb 20 10
```

ERRORS

```
Unable to open file 'testfile': No such file or directory
Unable to open file 'testfile': Permission denied
Read lock error: No locks available
```

See also: