Tech Info Library

A/UX 2.0 and 2.0.1: f77 open() Problem Workaround

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Security:       Everyone
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A/UX 2.0 and 2.0.1: "f77 open()" Problem Workaround

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Article Created: 13 May 1991

Article Change History

08/31/92 - REVIEWED
             • For technical accuracy.

TOPIC ---

The f77 open() BUG is a long-standing problem in the f77 I/O runtime
library (libI77.a), and I have seen this problem in other f77
implementations based on UNIX System V. The reason this problem hasn't
been fixed is because it doesn't show up in the Fortran Compiler Validation
Suite, the principle test suite for f77.

DISCUSSION --

Here are two files, named err.o and open.o, you can use while waiting for a
version of A/UX that doesn't have this problem. You can either include
these files when linking f77 programs, or these files can replace the f77
I/O runtime library files. (Replacing the files makes them a permanent part
of the f77 system.)

To include the files in an f77 link, simply add their names to the list of
files being linked together by the f77 command. For example:

    f77 -o test test.f err.o open.o

To replace these files into the f77 I/O runtime library, enter the following
command (you must be super-user to do this):

    ar rv /usr/lib/libI77.a err.o open.o

Once you replace the files in the library, any f77 programs you link will

be fixed automatically.

This has been fixed in A/UX 3.0.

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