Tech Info Library

A/UX 3.0: Problem With The ruserpass (6/93)

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Security:       Everyone
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TOPIC ---

I am working on getting one of my UNIX applications to compile and execute
under A/UX. Currently, I'm running into compile errors. This software has
been compiled on a Sun workstation successfully.

I looked around inside "libc.a" and found that the "ruserpass" symbol is being
referenced in the object file, "rexec.o" in the C library. The "pvm3" (their
software) package does call the "rexec()" function, which, I believe,
references the "ruserpass" symbol. This symbol does not seem to get defined
properly in the C runtime library.

Below is a copy of the compile session:

```
making in AUX/ for AUX
        cc -g -DARCHCLASS=\"AUX\" -DIMA_AUX -DSYSVSIGNAL -o pvmd3 archcode.o
                cruft.o databuf.o ddpro.o frag.o host.o logging.o mesg.o
                myalloc.o nmdclass.o pkt.o pkup.o pvmd.o startup.o task.o
                tdpro.o waitc.o imalloc.o

undefined               first referenced
 symbol                     in file
ruserpass               /lib/libc.a

ld fatal: Symbol referencing errors. No output written to pvmd3
Make: *** Error: Update of `pvmd3' terminated with exit code 13
Make:              [line 47 in /homeb/bpowell/pvm3/src/AUX/Makefile]
```

DISCUSSION ---

Your indication on the problem is correct, there is a problem with the rexec()
function that references ruserpass, which doesn't exist.

The problem exists in the A/UX 3.0-CD distribution, fortunately, the problem
was found before A/UX 3.0 went out of door. The fix for this is included in
the "A/UX 3.0 Read Me" floppy disk, which includes the ruserpass.o module to be
updated with libc.a. Here are the instruction from the Read Me file:

1) Insert the Read Me disk into your system and open the LIBC folder.

2) Drag "xdr.o", "ruserpass.o", and "xdr.h" to the "/tmp" folder on your
   root volume.

3) Enter these commands:

```
cd /tmp
ar r /lib/libc.a ruserpass.o xdr.o
mv xdr.h /usr/include/rpc/xdr.h
```

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