



# Tech Info Library

## A/UX: C Code Portability (3/93)

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Security: Everyone

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TOPIC -----

I need to know the list of platforms supported for compiling code. The C code used for development will need to be ported to multiple platforms. I noticed that the /bin directory shows that the following are supported:

- VAX-11/750 and 780
- PDP 11/45 and 70
- 3B 20S
- 3B 2, 5 and 15
- 680x0

DISCUSSION -----

The programs mentioned do NOT mean the compiled code developed under A/UX is executable or portable to other hardware platforms. They are programs that let you identify the CPU type (machine id) you are currently running or are compatible with. If the return value of the program is "0" it means your CPU type is the same as the program you are running. For example under A/UX "m68k" (for Motorola 68000) returns 0 (echo \$?). All other CPUs will return 255.

To port to a DIFFERENT hardware platform, the C source code must be recompiled on the targeted platform. If the C code was said to be portable or meet a standard, the C code can be recompiled without any alteration under the targeted platform. A/UX 3.0 conforms with many standards, including:

- IEEE POSIX 1003
- FIP 151-1
- AT&T System V SVVS
- ANSI C compiler from A/UX Developer's Tools

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