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A/UX: How to Collect System Crash Information (8/94)

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Security: Everyone

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TOPIC -----

How can I get an operating system dump when A/UX either hangs or crashes?
Is there any documentation on interpreting such output?

DISCUSSION -----

Currently A/UX provides no BSD UNIX styled "crash" system dump. However, A/UX does provide a basic kernel debugger (a module linked into the kernel).

To make a kernel that contains the "debugger" module, invoke the "newconfig debugger" command to build a new kernel. To boot a kernel that contains the "debugger" module, make sure that the "launch" from the A/UX Startup contains the -s option. The -s option causes "launch" to load the kernel symbol table into memory and allows the debugger to display addresses as symbolic names.

To use the debugger, connect an ASCII asynchronous terminal to the modem port (tty0). The debugger reads from and writes to the modem port at 9600 speed with 8-bit characters.

Two ways you can activate the debugger:

- by pressing the programmer's interrupt switch to produce a non-maskable level 7 interrupt.
- by calling the debugger's "sysdebug()" routine.

The above information was documented in greater detail in the Release notes for "A/UX Device Drivers Kit Version 2.0". This kit is no longer available.

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Support Information Services

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