



Tech Info Library

A/UX: Sources for BSD Extensions (8/94)

Revised: 8/23/94
Security: Everyone

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TOPIC -----

Can you give me a source for BSD 4.3 extensions offered with A/UX, like signals and streams, or point me to a list of these items?

DISCUSSION -----

Currently, there is no document that lists and describes all 4.[23] extensions offered by A/UX. Lists are scattered and explained among various A/UX documents. It is difficult to list them individually. However, this should provide some of the Berkeley BSD 4.[23] features supported by A/UX:

- TCP/IP Berkeley-Style network support. It is called B-Net in A/UX. The supported protocols include:

- IP (Internet Protocol, RFC791)
- UDP (User Datagram Protocol, RFC768)
- TCP (Transmission Control Protocol, RFC793)
- ICMP (Internet Control Message Protocol, RFC792)
- ARP (Address Resolution Protocol, RFC826)
- Telnet (RFC854)
- SUBNET (RFC950)
- FTP (File Transfer Protocol, RFC959)
- SMTP (Simple Mail Transfer Protocol, RFC821)
- BIND (Berkeley Internet Name Domain)

All servers and service programs are in the /etc/servers and /etc/services files. The programming interface routines are in A/UX Programming Reference manual, sections 2N and 3N, like accept(2N), bind(2N), connect(2N), getsocketname(2N), getsocketopt(2N), listen(2N), recv(2N), select(2N), send(2N), socket(2N), and so on.

- Berkeley-Style 4.[23] signals and system calls, like sigblock(2),

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sigpause(2), sigsetmask(2), sigstack(2), sigvec(2), killpg(2), and so on.

- Berkeley 4.[23] utility programs are in the /usr/ucb directory.
- C shell
- Berkeley-Style dump.BSD, rdump, restore, rrestore utilities.
- Termcap database and text editors, like vi and ex.
- Other utilities, like symbolic link, symbolic debugger, printenv, and so on.

Note that STREAMS is not Berkeley; it belongs to System V.3.

Article Change History:

19 Aug 1994 - Reviewed.

31 Aug 1992 - REVIEWED For technical accuracy

Support Information Services

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