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A/UX: Cray Connectivity (6/93)

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TOPIC -----

This article describes alternative solutions for A/UX to Cray connectivity.

DISCUSSION -----

In general, A/UX 3.0 is a full implementation of AT&T System 5.2.2 (with Berkeley 4.3 extensions) UNIX Operating System. It is capable of multi-users and multitasking environments. It also provides many defacto standards, including TCP/IP communications protocol, Network File System (NFS) from Sun Microsystems, Berkeley networking services, and X Window System from MIT. As a result, A/UX can talk to almost any machine that any UNIX machine talks to. Here are some connectivity examples:

Ethernet Connection

If the remote machine (Cray) supports TCP/IP Ethernet, regardless of the type of operating system Cray is running, A/UX can talk to it via "telnet" or "rlogin" and use "ftp" for file transfer.

If the remote machine supports NFS, then either A/UX or the remote machine can be configured as an NFS server or NFS client.

If the remote machine supports X Window System, then both A/UX and the remote machine can run X server and/or X client applications on different displays, so that the two machines to share resources.

Serial Line Connection

A/UX supports two internal RS-232 serial ports for connecting to any RS-232 devices, like modems, regular terminals, and printers, hard-wired to another computer's RS-232 ports (PC, VAX, Cray, and so on). You can use "cu", "tip", or "kermit" (provided in A/UX) to connect your A/UX to the remote machine.

Since A/UX 3.0 (as did previous versions) supports SLIP (Serial Line Internet Protocol), if the remote machine also supports SLIP, SLIP might be another solution for doing remote connection and file transfer by using the underlying Internet network services, such as "rlogin", "telnet", "rcp",

and "ftp".

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