Macintosh-to-AT&T 3B2 Solutions (9/94)

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TOPIC ---

A customer wants to connect Macintoshes to an AT&T 3B2 multi-user, UNIX-based
machine. The customer wants terminal emulation, file transfer, and E-mail
compatibility. Apparently, terminals are now connected with coax. I am still
trying to get the actual name and version of the E-mail package they are using.
Do you know of any solutions in this environment? The MultiVendor Solution
Guide does not list AT&T equipment, and I did not find the information in the
Tech Info Library. Any help will be greatly appreciated.

DISCUSSION --

The AT&T 3B2 is an AT&T System V-based, multi-user UNIX machine, and our A/UX is
an AT&T System V.2.2 multi-user UNIX machine. Since UNIX is a general-purpose
time-sharing system, it contains a full scope of capabilities, like:

- Multi-user, multitasking ability

- A wide variety of software development

- Device-independent input and output

- Inter-Process Communication (IPC)

- Network protocols (TCP, IP, UDP, ICMP, SMTP, and so on)

- File transfer and remote login (FTP, Telnet, RLOGIN, and so on)

- NFS (Network File System)

On the UNIX side, A/UX can satisfy the customer's need for terminal emulation,
file transfer, and E-mail. Terminal emulation lets you log on to a UNIX machine
from different types of terminal--like VT100, VT52, ANSI, and so on. The file
transfer methods include "ftp", "rcp", "nfs", and "uucp", for example. The
popular E-mail mechanism is "sendmail", using SMTP protocol.

On the Macintosh side (Macintosh OS), there are many ways to connect a Macintosh
to an AT&T 3B2 (or, virtually, any UNIX machine), while providing terminal
emulation, file transfer, and E-mail.

For terminal emulation and file transfer, the new version of NCSA Telnet ("ftp" and "telnet") along with MacTCP can be used via Ethernet. If the 3B2 supports X Window System and a client application, like "xterm", MacX (an X server) can be used for remote login sessions. If no Ethernet or LocalTalk is involved, the terminal emulation can be done using any popular terminal emulation program--like MacTerminal, MacPhone, and others--via the modem serial port (hard-wired or modem/phone line).

For E-mail capability between a Macintosh and a 3B2 UNIX machine, QuickMail for the Macintosh probably can send and receive both UNIX mail and QuickMail from a Macintosh or a UNIX machine. QuickMail is a product of CE Software. For more details, search the Technical Info library under "CE Software."

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