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A/UX: Implementing Dialback To a Remote Location (8/94)

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A/UX: Implementing Dialback To a Remote Location (8/94)

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TOPIC ---

This article gives the basic steps for setting up an A/UX system with dial-back
capability. That is, after following these steps, you can dial into an A/UX
machine from a remote location and have the machine hang up the line and dial
your remote modem. Many A/UX users want this capability for security reasons.

Note: Either 4.3 UUCP or HoneyDanber UUCP needs to be implemented to have this
feature.

DISCUSSION --

1) Using "cu", "kermit", or other means, "login" into the remote UNIX
   machine.

2) Execute a program or a shell script saying "dialback"; the "dialback"
   should perform the following tasks:

   • Logout your current terminal session

   • Hang up the phone line

   • Put the originating modem in the listen mode

   • Set the proper TTY bits mode to be used as a dial-out port

   • Wait a couple of seconds

   • Clear the phone line

   • Dial the phone number the user provided

   • Execute "/bin/login" to respawn a login session.

Update note: UUCP under A/UX 3.0 is HoneyDanber. A/UX 3.0 adds F protocol to
HoneyDanber, so you can communicate over X.25 networks.

An historical note: Regarding the use of "/bin/ct" under A/UX 1.0 (or for that
matter 1.1), "ct(1)" is a holdover from System III, and possibly even Version 7
UNIX days. Therefore, it only implements dialer code for a DEC DN-11 dialer.
The DN-11 was an early dialer for non-smart modems. "ct(1)" only sends the
telephone number digits, because that's all it expects. There should be support
for today's smart modems (or, at least, the Hayes command set) in all of
"uucp/cu/ct". But in A/UX 1.0 and 1.1, that is not the case. Apple needs to
implement either the complete 4.3BSD UUCP, or HoneyDanBer UUCP/CU/CT to have
that functionality.

Article Change History:
19 Aug 1994 - Changed title from A/UX 1.0 to just A/UX.
17 Jun 1993 - Revised to include A/UX 3.0 information.
23 Aug 1993 - Reviewed for technical accuracy.

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