A/UX: Can't Connect to the Toolbox, Can't Launch Macgetty (3/94)

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TOPIC ---

I'm getting the error on the A/UX console stating:
"Can't Connect to the ToolBox environment - Can't launch macgetty-Launching
getty instead." Then the startup fails.

DISCUSSION ---

Here are some trouble-shooting steps you should try if you are getting this
error:

1) ls -l /etc/macgetty should give you
    -rwxr-x--- root sys   (for the permissions, owner, and group)
    if they aren't set that way
    chmod 750 /etc/macgetty   will change the permissions
    chown root /etc/macgetty   will change the ownership
    chgrp sys   /etc/macgetty   will change the group

2) If you notice in step 1. above that both owner and group are set to
    root, issue the command:
    ls -l /etc

If you notice that every file is set with root ownership and root
groupship, it is probably time to reinstall the core A/UX.
 The only way to tell how many files and directories are messed
up is to mount the installation cd and check all the files.
This is often the vestige of someone having changed permissions
on a folder from the file menu's "UNIX permissions ..." choice and
having checked the "make all currently enclosed ..." option.

3) If the file permissions seem to be set correctly, try the
    command:
    su sys

    If that fails with an error like "can't execute /bin/sh",
    issue the commands:

    cd /
    ls -la

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make sure that the entries for "/etc" and ".." ( which is "/" itself)
are set to:
drwxrwxr-x   bin sys          for /etc
drwxr-xr-x    root root     for ..
as long as they are listed as "d" for directory  chmod 775 /etc ;
chown  bin /etc; chgrp sys /etc will fix "/etc"
and
chmod 755 /;  chown root /; chgrp root /
will fix "/"
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4) If the permissions seem OK on the files and directories, and the error
    specifically refers to the ToolBox, then the solution may be to replace
    the /mac/lib/Patches/Patch* files from the CD or from a working A/UX
    machine running the same version of A/UX (open a command shell and type
    uname -a to find A/UX version number). The easiest way to get these
    files would be to ftp them over from another machine.

    Filenames are: Patch.0178   & Patch.067C

    To get them from the CD-ROM, you must mount the CD as a Unix Filesystem
    using the mount command:

    mount -o r /dev/dsk/c10xdos0 /mnt where the 'x' indicates the SCSI id
    of the CD ROM drive, and the 'c1' on an Apple WorkGroup Server 95 could
    be c1-4, depending to which SCSI bus the CD-ROM drive is attached. Once
    mounted, you can copy the files using the cp command:

    cp /mnt/mac/lib/Patches/Patch* /mac/lib/Patches/*

5) If none of the above troubleshooting tips help, then a complete
    reinstall of core A/UX is most likely in order. Remember to backup any
    system specific files (such as hosts, or NETADDRS, Users and Groups
    datafile, etc.) whenever doing a reinstall.

Article Change History:
29 Mar 1994 - Added trouble-shooting tips for problem. Combined can't
              launch toolbox and Macgetty into one. Added reinstall as
              final option.

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