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A/UX AppleTalk Network Configuration (8/93)

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Security: Everyone

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TOPIC -----

I have a problem with my A/UX 2.0 network configuration. My network is okay when working with MACpartition, but when I start up A/UX, all the zones disappear. My configuration is:

Macintosh IIci with 8MB
External LA CIE 80MB Hard Disk
Apples NB Ethernet board

DISCUSSION -----

Based on the fact that the zones disappear, we suggest you consider the following diagnostic questions:

- Is AppleShare server and/or PrintServer and/or Apple Internet Router on the AppleTalk network based on AppleTalk Phase 2? A/UX 2.0 does not support AppleTalk Phase 1.
- Is "appletalk" configured within A/UX 2.0 kernel? Use "module_dump /unix" to verify it.
- Is "appletalk" currently running? Use "appletalk -s" to see the status. Use "appletalk -d" to bring AppleTalk network DOWN, and use "appletalk -u" to bring the AppleTalk network UP.
- Make sure the interface is properly selected; this is specified in the /etc/appletalkrc file.
- Refer to Chapter 6 of "Administering AppleTalk" in A/UX Network System Administration for more detailed information.

The message "appletalk: No such file or directory" from the "appletalk -u"

command output is a strong indication that the /dev/appletalk directory and/or its sub-directories and files are probably missing or corrupted. Normally, the /dev/appletalk directory should include as follows:

```
total 4
drwxr-xr-x  2 bin      bin          512 Dec  7 10:07 ddp
drwxr-xr-x  4 bin      bin          512 Dec  6 18:01 lap

appletalk/ddp:
total 0
crw-rw-rw-  1 bin      bin          12, 16 Jan 15 16:15 socket

appletalk/lap:
total 4
drwxr-xr-x  2 bin      bin          512 Dec  7 10:07 ethertalk0
drwxr-xr-x  2 bin      bin          512 Dec  7 10:07 localtalk0

appletalk/lap/ethertalk0:
total 0
crw-rw-rw-  1 bin      bin          15,  0 Dec  7 10:07 control

appletalk/lap/localtalk0:
total 0
crw-rw-rw-  1 bin      bin          17,  0 Dec  7 10:07 control
```

If the /dev/appletalk directory is causing the problem, do these steps:

- 1) Run a file system check on the Root file system: `fsck /dev/dsk/c?d0s0`
- 2) De-install the appletalk module from the kernel: `newconfig noappletalk`
- 3) Re-install the appletalk into the kernel: `newconfig appletalk`

After re-installing appletalk, the appletalk modules, the /dev/appletalk directory and its sub-directories and files will be correctly re-created.

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