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## A/UX: How to Adjust the Kernel Parameter NUBUFS

Revised: 9/30/92  
Security: Everyone

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### Article Change History

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08/31/92 - REVIEWED

- For technical accuracy.

### TOPIC -----

I want to connect to Ethernet. The figures for a 5MB configuration were typed in. Running the command

```
netstat -r
```

brings up the message

```
mexpand returning 0
```

### DISCUSSION -----

A request to allocate memory to use for memory buffer space was denied. Wait a short while, and see if the condition clears up before rebooting. You may also consider increasing the size of the buffers available; adjust the kernel parameter NUBUFS. To do this, follow these steps:

- 1) Log in as "root" and bring the system down into single-user mode.
- 2) Execute "kconfig -av | grep NMBUFS". It should return the network memory buffers configured in the kernel. A/UX is distributed with NMBUFS=500.
- 3) Type "kconfig -n /unix"
- 4) Type "NMBUFS=" followed by the number you would like to increase it to

followed by a carriage return. Try increasing the number of mbufs to 1000; type "NMBUFS=1000"

5) Type a Ctrl-D to exit kconfig. The shell prompt will reappear.

6) Execute "sync; sync; sync; reboot". The system will sync and reboot itself. Bring it back up.

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