A/UX: How to Adjust the Kernel Parameter NUBUFS

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Article Change History

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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