A/UX: How To Create Additional Swap on a Separate Drive

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TOPIC ---

I'm trying to tune an A/UX system for maximum performance. How do I set up
swap space exclusively on a second drive? The way I'm doing it doesn't seem
to "take hold".

System Setup: Macintosh IIfx with 20MB RAM, A/UX 2.0.1, X Window
System 2.1.

A/UX is on an external 1GB drive from MacinStor (set to SCSI 1) partitioned
with SilverLining. The drive's default size swap partition (18MB) is at
slice 1. To increase performance, I want to dedicate the Apple internal
80MB drive to swap.

Here's how I'm trying to do this:

    1) I use Apple HD SC Setup to create custom partitions on the internal
       drive (SCSI 0, slice 1).

    2) I boot A/UX off the external drive.

    3) I log in as root and associate the new partition with a slice
       using the command: " pname -a -c 0 -s 1 Swap"

    4) I added the new swap area with the command:
       "swap -a /dev/dsk/c0d0s1"

    5) I reboot the system.

    6) I run "swap -l" to list swap area status and only see
       /dev/dsk/c1d0s1 showing (the default swap area on the
       external drive).

What else do I need to do? Do I have to manually add an entry to
/etc/fstab for /dev/dsk/c0d0s1? If so, what parameters need to be set?

DISCUSSION --

If you use Apple HD SC Setup to create a custom Swap partition on slice 1 (the default slice number in A/UX) you don't have to do "pname -a -c 0 -s 1 Swap" to associate that partition. The swap device /dev/[r]dks/cXdYs1 is the default recognition of A/UX.

To automatically add additional swap areas when booting A/UX, insert the following lines in /etc/rc:

```
   # add additional swap area here
   /etc/swap -a
```

Now insert the additional swap block device entry in the /etc/fstab. In your situation this is:

```
   /dev/dsk/c0d0s1  ignore  swap  rw  ignore ignore
```
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