Tech Info Library

A/UX: How Disk Space is Partitioned

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Security:       Everyone
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TOPIC ---

On a preinstalled A/UX system with a 400M drive, only about about 200
megabytes of disk space can be seen. Where's the rest of the disk space?

DISCUSSION --

By default, the 400M drive includes the following partitions with these
approximate sizes:

```
     16K    MacDriver
      3M    Autorecovery
     18M    Swap
      4M    MacPartition
     160M   Root & Usr slice 0
     200M   Free UNIX slice 3
```

On a preinstalled A/UX system slice 3 is not mounted. To verify this, use the
"df -B" command. You should see output similar to the following:

```
     Filesystem               kbytes     used       avail      %used  Mounted on
     /dev/dsk/c0d0s0   112311   90997   15698   85%          /
```

In the above output, "/dev/dsk/c0d0s0" refers to slice 0 on the device with
scsi id (controller) 0.

To mount the other partition, first login as root. Next, create a directory to
mount the slice 3 filesystem onto, such as:

```
     mkdir /slice3
```

(/slice3 is an example name; this can be any name that doesn't already exist.)
Then, edit the /etc/fstab file and add the line:

```
     /dev/dsk/c0d0s3 /slice3 4.2 rw 1 1
```

where the controller/scsi id matches that of slice 0 from the "df" command
output. After saving the changed /etc/fstab file, mount the filesystem:

```
     mount /slice3
```

If any errors show up, then there is probably a "typo" in the /etc/fstab file.
If no errors appear, verify that the filesystem is mounted using the "df -B"

command.
The slice 3 filesystem will now be automatically mounted when the system is
rebooted.

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