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## A/UX: Partitioning Third-Party Hard Drives (6/95)

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Security: Everyone

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TOPIC -----

I want to use a third-party 320MB hard drive and partition it for use with A/UX.

DISCUSSION -----

To partition non-Apple drives, do the following:

- 1) First, initialize the third-party hard disk drive using SilverLining, FWB Tools, or the utility that came with the drive.
- 2) Launch the HD SC Setup program that came with A/UX on the installation CD-ROM. (NOTE: The Mac OS version of HD SC Setup cannot be used for this task.)

If you have not yet installed A/UX, then boot from the A/UX Installation CD-ROM. Follow the instructions in the A/UX Installation Guide for preparing the disk and installing the A/UX software.

- 3) Partition the hard disk. You should refer to the A/UX Installation Guide section on Performing a Custom Installation for detailed instructions.

Some Important Space Considerations  
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In creating a bootable system disk, don't forget to create Autorecovery and swap space partitions and to leave a minimum amount of user free space:

Autorecovery - The Autorecovery partition maintains a copy of the files used in the A/UX startup process so that, if you ever experience a catastrophic system failure with A/UX, the files that are critical to the A/UX startup process can be restored from the Autorecovery partition, if necessary. The Autorecovery partition requires 3 MB of disk space.

Swap space - A/UX provides the ability to use space on a hard disk to increase the computer's memory. The UNIX terminology, this space is called the swap space, and is used to exchange, or swap, portions of files in the computer's memory with those being kept temporarily on the hard disk. The recommended minimum amount of swap space is 18 MB. Generally, swap space should be set to 1.5 to 2 times the amount of physical RAM installed.

User free space - User free space is a portion of each file system not used for storing data. The space is used by the operating system to maintain the files in the file system. The recommended minimum is 5 MB. It cannot be smaller than 2 MB.

It is recommended that you do not create any partitions larger than 1.8 gigabytes in size.

You may also be able to use the "dp" (disk partition) command under A/UX to partition the entire drive. For more detailed information on how to use "dp", refer to dp(1M) manual pages.

#### Article Change History:

05 Jun 1995 - Changed access to everyone.

23 Aug 1994 - Updated for HD SC Setup that comes with A/UX.

Support Information Services

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