



# Tech Info Library

## A/UX: How to Improve File Access Speed (6/93)

Revised: 8/18/93  
Security: Everyone

A/UX: How to Improve File Access Speed (6/93)

Article Created: 25 March 1988  
Article Reviewed/Updated: 18 August 1993

TOPIC -----

How can I improve file access speed under A/UX?

DISCUSSION -----

There is no way to increase the physical access speed of a SCSI drive while running under A/UX. However, there are several things you can do with software and hardware additions to increase file-access performance:

- Increasing RAM to more than 8MB is a good beginning. The more the system can store in memory, the less frequently it needs to access the disk for the next call of the same blocks.
- For systems with 8MB, bring A/UX up single-user, then run these commands:

```
# kconfig -n /unix
NBUF=2500
NINODE=600
NFILE=400
<control-d>
# sync
# sync
# sync
# reboot
```

- Add a second hard disk and place the swap there, along with any directories that don't see high activity. That way, the CPU can search for files on the primarily disk, while searching the swap for others.
- Add as much free space as possible by deleting all files not really necessary for your system -- man pages, source, networking, games, and so on.

For more information, search under: "A/UX" and "space", "free", or "minimum".

Article Change History:

18 Aug 1993 - Updated for A/UX 3.x.

25 Mar 1993 - Reviewed for technical accuracy.

Copyright 1989-93, Apple Computer, Inc.

Tech Info Library Article Number:2688