AWS 95: SCSI Devices Referenced Under A/UX 3.0.1 (5/93)

Article Created: 28 May 1993

TOPIC ---

How are SCSI devices referred to under A/UX 3.0.1?

DISCUSSION ---

The A/UX 3.0.1 SCSI disk driver has been modified to allow selection among the four SCSI busses available on the AWS 95 platform. Referring to disk drives is different on the AWS 95 than under traditional A/UX. Each disk must be identified not only by its SCSI address, but also by the SCSI bus that it is attached to.

The SCSI busses are numbered 1 through 4 (see the accelerator card section of this document). In previous versions of A/UX a SCSI drive with address 5, drive 0, slice O would be specified through the device file /dev/dsk/c5dOsO. Now you must also specify the bus number.

The new format is /dev/[r]dsk/cbOad#s#, where b is the SCSI bus (numbered from 1 to 4) and a is the SCSI address (numbered from O to 6). The SCSI busses are numbered in the order they are searched in the Mac environment: main logic board internal, main logic board external, PDS card internal, and PDS card external. The busses are numbered from 1 to 4 instead of from O to 3 to avoid the problem of forcing leading zeros when generating device file names.

The old format, /dev/[r]ds/c#d#s#, where c# is the SCSI address, d# is the logical unit number, and s# is the slice number will continue to work. The c# field will specify both the SCSI bus and the SCSI address of the device. The current device files(/dev/dsk/c[O-6]d#s#)will refer to the device that is visible to the Macintosh OS regardless of what SCSI bus the drive resides on. This is for backwards compatibility.

For example, these path names map in the following way:

Pathname	SCSI ID	SCSI Bus
/dev/dsk/c203dOsO	3	Mother Board External
/dev/dsk/c403dOsO	3	PDS Card External
/dev/dsk/c3dOsO	3	Wherever it is found first

Keywords: <None>

==========

This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 12893