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A/UX: How to Copy Eschatology Partition

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Security: Everyone

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Article Change History

08/31/92 - REVIEWED
• For technical accuracy.

TOPIC -----

I need to copy an A/UX system from one drive to another, but I have a problem with the A/UX Eschatology partition. I set up the partitions on the new drive as on the first drive, except for some free space, which I have configured as usr space. I did a dd copy of the root partition.

I then hoped that by doing an eupdate I would be able to update the Eschatology partition. When I try this (I am able to boot from the new drive without any problem), I get messages about the inability to mount s3 and attempt to unmount slice 3. (I have not defined any slice 3.) Further messages refer to typewriter problems and the like.

What is the problem? Why is eupdate attempting to mount a slice that doesn't exist?

DISCUSSION -----

From what you described above, you copied only the root file system. You did not copy the Eschatology partition to the new drive. To copy the Eschatology partition, do the following (assuming X is the source disk SCSI ID and Y is the target disk SCSI ID), and assign slice 3 for the Eschatology partition:

```
# pname -cX -s3 "Eschatology 1"
==> /dev/dsk/cXd0s3
# pname -cY -s3 "Eschatology 1"
==> /dev/dsk/cYd0s3
```

```
# dd if=/dev/dsk/cXd0s3 of=/dev/dsk/cYd0s3 bs=20k
# pname -u /dev/dsk/cXd0s3
# pname -u /dev/dsk/cYd0s3
```

Then, you can issue the "eupdate" command, which updates /unix and network files like /etc/HOSTNAME, /etc/NETADDRS, ... for Eschatology partition. Make sure that before doing "eupdate" that the Eschatology partition is not pnamed or mounted, because the "eu" program automatically does all the "pname", "pname -u", "mount", and "umount" on the Eschatology partition.

You might have got the error message from "eupdate", because the Eschatology partition was still pnamed or mounted. "umount" and "pname -u" the Eschatology partition and do "eupdate" again. Other similar error message like

```
Can't mount...:No space left on device
```

might occur if the Eschatology file system is almost full. In that case, remove some of the files like /mnt/unix from the Eschatology file system and do "eupdate" again.

To remove file(s) from the Eschatology partition, you have to "pname" and "mount" the Eschatology partition first. For example, to remove "unix" from Eschatology partition then "eupdate":

```
# pname -cY -s3 "Eschatology 1"
==> /dev/dsk/cYd0s3
# mount /dev/dsk/cYd0s3 /mnt
# rm /mnt/unix
# umount /dev/dsk/cYd0s3
# pname -u /dev/dsk/cYd0s3
# eupdate
```

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