ULTRIX–32
Release Notes for MicroVAX 3800 and 3900 and VAXserver 3800 and 3900

Order No. AA-NG53A-TE

ULTRIX-32, Version 3.0

Digital Equipment Corporation

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Release Notes

1. Installing to Systems That Use the KFQSA Disk Controller

If your system has more than one disk drive on a KFQSA controller, you should edit the system configuration file during installation of the operating system.

Select the ADVANCED installation option during installation, and when the system asks you whether you want to edit the configuration file, type **y**.

The following disk entry is correct, but you must edit all others:

```
disk            ra0        at  uq0        drive 0
```

Do the following:

1. Delete all but one disk entry for each controller uq? entry.
2. Change the ra number.

   Make the ra numbers sequential. The ra entry in the configuration file corresponds to the special device file name in the /dev directory which is used to access the disk.
3. Change the drive number.

   The drive number must be the same as the unit plug on the front panel of the system used to identify the drive.

   If your system does not have a front panel, the drive number should match the unit number switch settings on the drive itself. If you are uncertain what the correct drive numbers are, contact your Field Service Representative.

The following example represents the relevant portion of a configuration file before and after it was edited during the installation. The system in this example has three drives with unit plugs 0, 1, 3.

The incorrect portion of the configuration file looks like this:

```
controller      uda0      at  uba0
controller      uq0       at  uda0      csr 0172150   vector uqintr
disk            ra0       at  uq0       drive 0
controller      uda1      at  uba0
controller      uq17      at  uda1      csr 0160334   vector uqintr
disk            ra1       at  uq17      drive 0
disk            ra2       at  uq17      drive 1
disk            ra3       at  uq17      drive 2
disk            ra4       at  uq17      drive 3
controller      uda2      at  uba0
controller      uq18      at  uda2      csr 0160340   vector uqintr
disk            ra5       at  uq18      drive 0
disk            ra6       at  uq18      drive 1
disk            ra7       at  uq18      drive 2
disk            ra8       at  uq18      drive 3
```

The edited portion of the configuration file looks like this:

```
controller      uq0       at  uda0      csr 0172150   vector uqintr
disk            ra0       at  uq0       drive 0
controller      uda1      at  uba0
controller      uq17      at  uda1      csr 0160334   vector uqintr
disk            ra1       at  uq17      drive 1
controller      uda2      at  uba0
controller      uq18      at  uda2      csr 0160340   vector uqintr
disk            ra2       at  uq18      drive 3
```

Note that only the disk entries must be edited and that the numbers used in this example may not correspond to those on your system.

If you do not do an ADVANCED installation, and your system has more than one disk drive on the KFQSA, the configuration file generated during the installation will be incorrect. You must edit the configuration file and rebuild your kernel after installation is complete.

2. /etc/disktab File Entry Must Be Corrected for RF71 Disks

The entry in the /etc/disktab file that defines the number of blocks, the file system's block, and the block fragment sizes on the C partition of RF71 disks is incorrect.

Line 300 of /etc/disktab reads:

```
:pc#781440:#8192:fc#1024:\
```

You should edit it to read as follows before putting a file system on the C partition of any RF71 disk:

```
:pc#781440:bc#8192:fc#1024:\
```

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