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## Troubleshooting

### Xserve RAID disks will not mount

This seems to be a limitation in the Linux kernel. Use the command

```
> cat /proc/scsi/scsi
```

To see what SCSI devices the system thinks is present. For the Xraid these look like:

```
Host: scsi3 Channel: 00 Id: 00 Lun: 01
Vendor: APPLE      Model: Xserve RAID      Rev: 1.50
Type:   Direct-Access          ANSI SCSI revision: 05
```

A quick way to list all disks is:

```
> cat /proc/scsi/scsi | grep APPLE
```

There should be one entry for each Xraid device. If the Xraid disks have been “sliced” then each slice appears as a unique device. If the Xserve disks are not present (or not enough are present) log on as root and run the script:

```
> rescan-scsi-bus.sh
```

This should “find” the missing disks.

### Disk will not unmount (""Device Busy"")

Some one (or some process) has “cd”ed into the filesystem you want to unmount. First check your login windows for obvious offenders. Remember if you had “su”ed to root, then the original process may be the problem. Often the problem is people who have logged in remotely (e.g. for fringe testing). The best way to find this is

```
> lsof | grep xraid
```

This lists the processes which have a file open in the data directories. Note the PID of processes identified above and use `kill` (or `kill -9` if necessary) to remove the process. Don't “kill” processes blindly - check each one is not a vital process (such as `vsib_record` or `recorder_server`).

If the errant procoes is `recorder_server` then run (as `vlbi`) `> /etc/init.d/recorder_server restart`

You may have to login as root for `lsof` to work. As a normal user, `lsof` does not list root processes.

## Disk will not unmount ("umount: only root can unmount")

Log on as root and retry

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