

**Exercise 42.4** Recovering from Partition Table Corruption

1. Login as root and save your **MBR**:

```
$ dd if=/dev/sda of=/root/mbrsave bs=446 count=1
1+0 records in
1+0 records out
446 bytes (446 B) copied, 0.00976759 s, 45.7 kB/s
```

Be careful: make sure you issue the exact command above and that the file saved has the right length:

```
$ sudo ls -l /root/mbrsave
-rw-r--r-- 1 root root 446 Nov 12 07:54 mbrsave
```

2. Now we are going to obliterate the **MBR** with:

```
$ dd if=/dev/zero of=/dev/sda bs=446 count=1
1+0 records in
1+0 records out
446 bytes (446 B) copied, 0.000124091 s, 3.6 MB/s
```

3. Reboot the system; it should fail.
4. Reboot into the rescue environment and restore the **MBR**:  

```
$ dd if=/mnt/sysimage/root/mbrsave of=/dev/sda bs=446 count=1
```
5. Exit from the rescue environment and reboot. The system should boot properly now.