

Expanding partitions

Backup partition table

```
fdisk -x /dev/<dev>  
sfdisk -d /dev/<dev> > partition.dump
```

Shrinking EXT(2,3,4) file system to minimum size

```
e2fsck -f /dev/<dev partition>  
resize2fs -M /dev/<dev partition>
```

Editing partition table and restore

After shrinking the last partition you need to:

1. Image it (see the other pages) and any other portions that need to be moved.
2. Use `fdisk` to delete the resized last partition.
3. Move other partitions (keeping exact size).
4. Expand the target partition (keep starting sector unchanged).
5. Copy data from images into moved and last partition.
6. Resize the target partition and the last partition to max size with `resize2fs /dev/<dev partition>`.

Use `fdisk`'s expert mode (`x`) to print full partition information and to restore partitions UUID, name and attributes.

To resize `vfat` (FAT32) partition you can use `fatresize -s max /dev/<dev partition>` (from `parted` package).

Revision #5

Created 2025-12-23 14:26:01 GMT by hxd

Updated 2025-12-23 15:43:08 GMT by hxd