



Linux Academy

Course Notes

Partitioning and Mounting a Disk

- **/etc/fstab** • Configuration file used to permanently mount a disk
- Syntax • `#device #mountpoint #filesystem #options #dump #fsck`
 - **Device** • Can mount by file name, disk UUID or network drive
 - **Mount point** • Should usually be an empty directory
 - **File system** • What type of file system is being mounted; `auto` tells kernel to auto-detect
 - **Options** • Tell kernel how to treat mounted system
 - **uid** • Set owner of disk
 - **umask** • Set `umask`
 - **noauto** • Do not automatically mount drive
 - **exec** • Execute binaries on file partition
 - **ro** • Read only
 - **rw** • Read and write
 - **user** • All normal users to mount disk
 - **Dump** • Set to `1` to backup partition
 - **fsck** • Determine order for file system check
- **fdisk** • Partition disk