

## Fun\_Lab\_FS\_extra

1. Make sure of the following:
  - a. The `/etc/fstab` does not contain any information on the disk you want to use  
In the lab this could be `/dev/vdb`.
  - b. The device does not need a partition; we are going to use the whole disk.
- check: which command did you use to check whether the disk was not mounted?
- check: which command did you use to check that the disk does not contain a filesystem?
2. Create an **xfs** filesystem on the free disk.  
(hint: explore the `mkfs.xfs` command.)
3. Create an **xfs label** in the filesystem.  
(hint: explore the `xfs_admin` command.)
4. Create a **mountpoint** in `/mnt`
5. Mount the filesystem manually and unmount it again.
6. Add an entry to the `/etc/fstab` file so that the filesystem will automatically be mounted at boot time, using the **label**.
- **Important: do not reboot. First check whether it works, using the mount command manually.**
7. If the filesystem gets mounted correctly, you can reboot your system.  
  
**!!!! Create a DISASTER!!!!**
8. Unmount the filesystem manually and remove the mountpoint from `/mnt`.
9. Reboot your system. It will not come up properly. Why is that?  
Ask your instructor for help.

*Two important commands available:*

1. Create the filesystem: `mkfs.xfs /dev/vdb`
2. Create a Label in the Filesystem: `xfs_admin -L DATA /dev/vdb`