

Unified Lustre mount point

Issue at hand

- Lustre mount point names (*/hera*, */lustre/nyx*, */lustre/hebe*) changing when decommissioning a Lustre file system
- ➡ software needs to be modified and adapted: *change the path everywhere*
- Repeat with each decommission

Goal

Provide a unified and lasting mount point */lustre*

Current situation

Two Lustres currently in operation: */lustre/hebe* and */lustre/nyx*.

Approach

- Make */lustre/hebe* into */lustre*
- Keep */lustre/nyx*: make it subdirectory of */lustre* (aka Hebe)
- HPC copies the data!
- Finally, replace */lustre/nyx/directories* by symbolic links

*Example: Nyx directory of **CBM***

- Copy `/lustre/nyx/cbm` to `/lustre/cbm`
- Downtime (maintenance window) + final rsync: **only for CBM**
- Move old Nyx directory out of the way, e.g. `/lustre/nyx/cbm => /lustre/nyx/oldcbm`
- Create symbolic link `/lustre/nyx/cbm => /lustre/cbm`
- Go back online for CBM

At this point:

- CBM data in `/lustre/nyx/cbm` (as well as `/lustre/cbm`)
- All others: data in `/lustre/nyx/*`

Repeat for other directories

- ✓ Path `/lustre/nyx` remains, data is on `/lustre`

Hebe

- The path `/lustre/hebe` is already in use → create symlink `/lustre/hebe`
- Some directories presently under `/lustre/hebe` have the same name as under `/lustre/nyx` → right find individual solutions: renaming / combining

Hebe aktuell

Directory	Size
afseg	0
alice	102 T
asteg	0
bhs	3.2G
fn	9.6T
fopi	29T
hades	7T
mbs	3.5T
pbar	2.2T
rz	20T