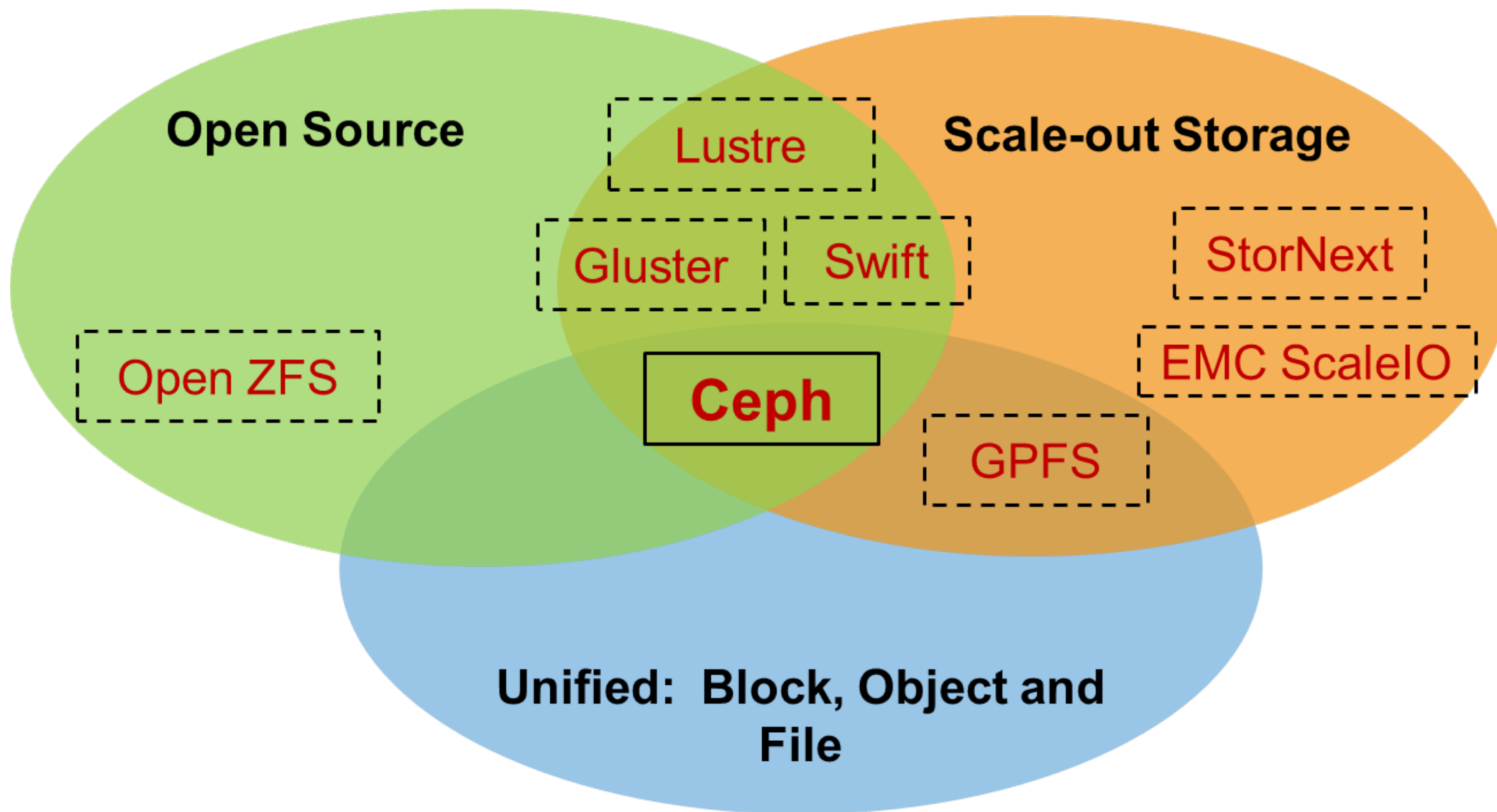


Switch to Cephfs as Home

Ingo Ebel

Why Ceph?



Switching from AFS Home to Cephfs Home

- At the moment only for the AFS home dirs
- Not for the AFS groupspaces
- Not for the Windows home dir

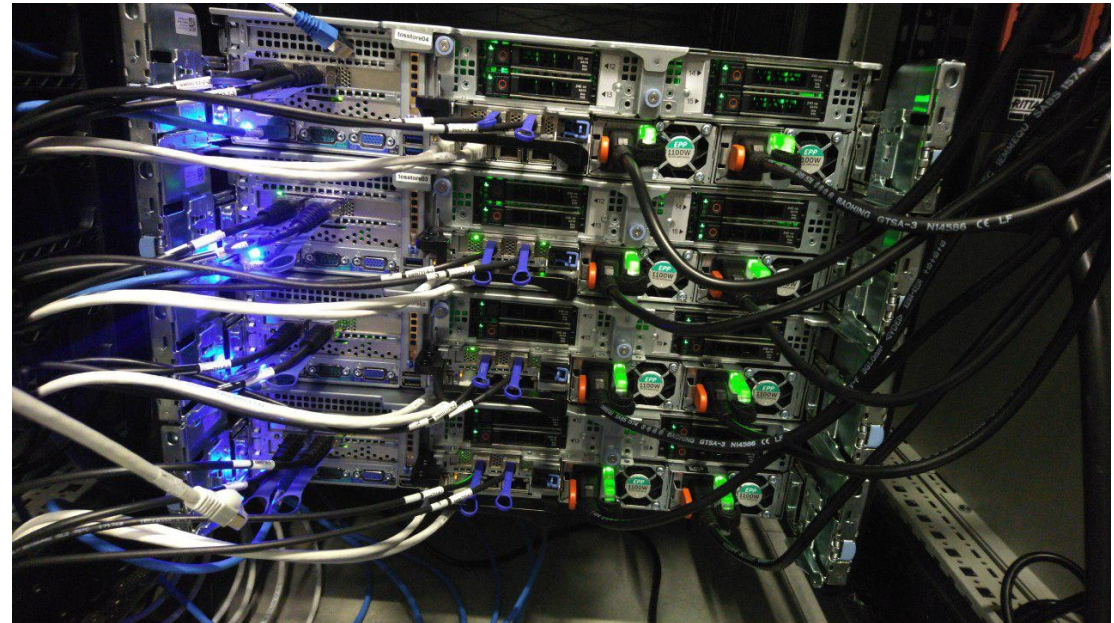
Path

- Old: `/afs/ifh.de/user/e/ebeli`
- New: `/cephfs/users/ebeli`
- Mounted on all WSGs, Farm, Cluster, Server, jupyter...
 - tested by DV for more than a year and by Icecube since april
- 10GB of space default
 - More? Ask via UCO
 - `getfattr -n ceph.quota.max_bytes /cephfs/users/ebeli`
 - Used space: `du -h -s /cephfs/users/ebeli`
 - 255 TB in total in the cluster
 - NVMe/HDD mix



What we provide

- New cephfs based home dir
- Move (Copy) parts of your data
 - your main afs volume
 - afs volume called work
- Changing the the homedir on all centrally managed systems
- Old AFS home will be readonly
 - Will still be available for at least 2 years



What you need to do

- Copy other data from personal afs volumes
 - e.g. Scratchmounts or other projects
 - Do not copy the group volumes mounted in your home
 - Maybe use a symlink
 - After checking delete the data or request that the volume will also put in read only mode via UCO
- 1TB public folder /cephfs/public – deleted once a year
- Personal homepages have to move too
 - Gitlab pages - <https://dv-zeuthen.desy.de/services/www/>
 - Or Xwiki
 - Old homepages will still be read only visible for 2-3 Years
 - Or you need to request the deletion of your old afs volume

Backup

- Daily (at night) – retention: 60 days
- Via Restic
- Data recovery via UCO
- Also maybe soon
 - .snap (hidden dir)
 - (like .oldfiles)
 - Just go there and restore a file yourself

When do we do it

Weekend 1.11 – 2.11.2025

Yeah!

Questions?

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