



Agenda

- 1. Why Libdrive?
- 2. Implementation as an extension
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- 4. Libdrive example in Research Collection
- 5. Launch, storage space and usage of Libdrive
- 6. Lessons Learned and open points



Why Libdrive?

- Repeatedly expressed need of ETH researchers for publication of large data sets
- ETH «only» offers <u>Long term storage (LTS)</u> without option for publication or active preservation measures
- Restrictions by repository software: DSpace is not designed for handling the publication of large data sets
 - Uploading large files leads to timeout problems
 - No folder upload
 - Current soft limits: 10 GB/file, 50GB/entry



Implementation as an extension (losely integrated)

- Integrated solution in DSpace not feasible
- Feasability tests with internal ETH Library pilot instance
- Decision: losely integrated external extension
 - Data hosted on a separate ownCloud plattform
 - Advantage: later switch to a different solution

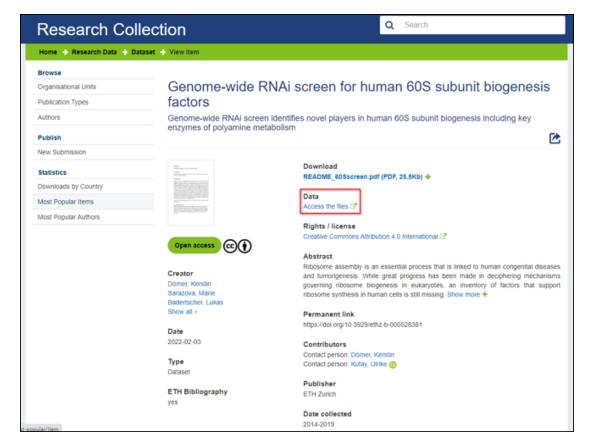


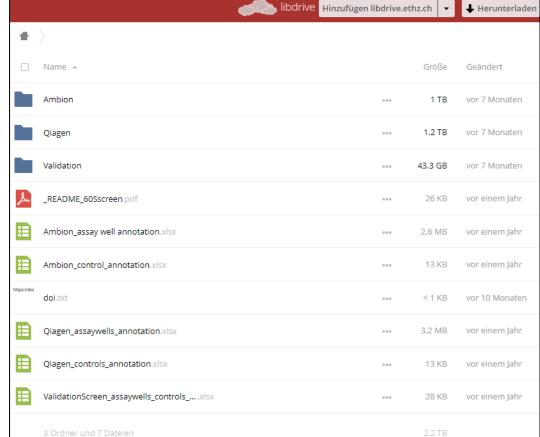
Libdrive in a nutshell

- Project in cooperation with IT Services of ETH Zürich
- Instance of polybox hosting service
 - OwnCloud based filesharing plattform
- Testing with pilot customers (2020-2021)
- Integration in upload workflow during submission process in DSpace
- Softlaunch of beta version during first half of 2022



Libdrive example in the ETH Research Collection



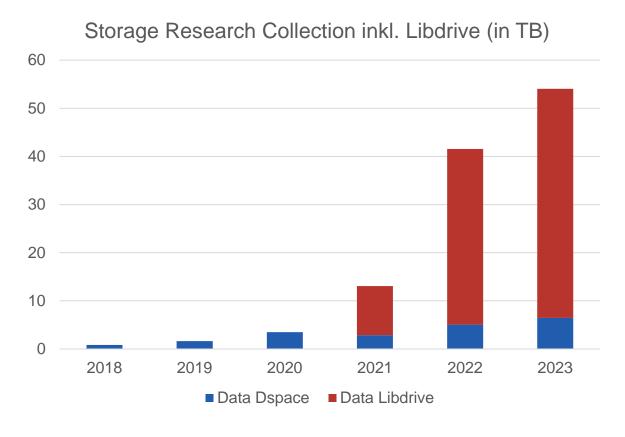


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Launch, storage space and usage of Libdrive



Launch

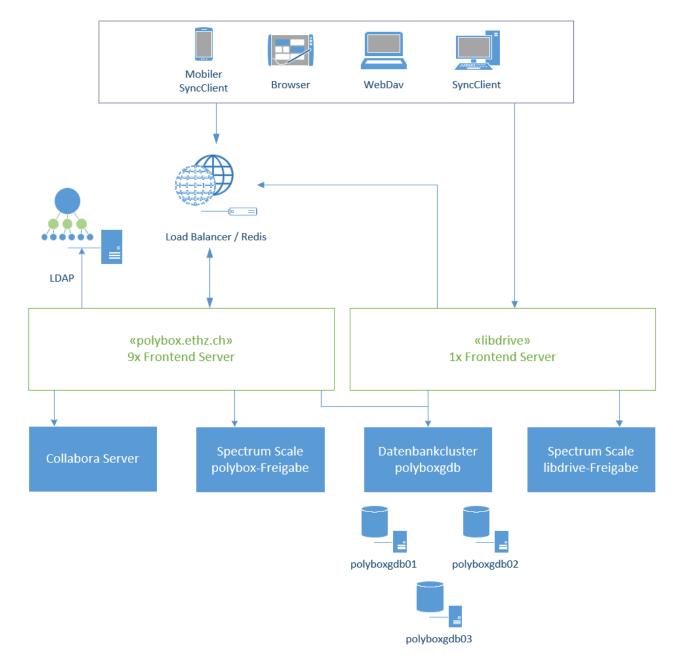
- Softlaunch March August 2022
- Communication campaign in September with Launch on 20/09/2022
- Storage space:
 - Status 08/03/2024:
 - 41.2 TB on Libdrive
 - 45 published datasets
 - 2.7 16 TB per dataset (Ø 1.2 TB)
- 146 TB of downloaded data in 2023

Challenges with Libdrive

- No long-term preservation
 - Integration in ETH Data Archive (Rosetta) not possible
- Risk of exponential data growth
 - ETH Library commits to data hosting
 - Quality of data
- No steering via cost allocation > decision by ETH Library management
 - → Solution: publication on Libdrive only for 10 years. Long-term preservation delegated back to customer (using other product e.g. LTS storage)



Libdrive infrastructure





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Lessons learned and open points

- Lessons learned
 - Customer needs of sharing unpublished data with reviewers can be fulfilled by libdrive
 - Easy to use solution
- Open points
 - Software bug causing a lot of backend traffic
 - Process a bit cumbersome: increased mail correspondence
 - Solution for long-term preservation
 - Future with free of charge storage space
 - Seamless integration, automated workflow





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