

Handling Scientific Data with **gin**

Presenting the **G-Node** Infrastructure service

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- Project background
- Current features
- Live demo use case
- Feature outlook
- Workshop announcement

“Viele private Clouddienste wie Dropbox unterliegen nicht dem deutschen Datenschutzrecht. Die Nutzung dieser Angebote ist im dienstlichen Umfeld daher nicht zu empfehlen, meist sogar unzulässig. ...”

Literal translation:

“Many private Cloud services like Dropbox are not subject to german data privacy laws. Usage of these Applications within the official environment is not recommended and is mainly even inadmissible.”

München, 02.12.2015

https://www.uni-muenchen.de/aktuelles/news/2015/lrz_sync_share.html

- Cloud like service
 - Data access from various locations
 - Platform independent
 - Secure access and user management
 - Sharing and collaboration
- Built-in file versioning and retrieval
- Manual and automated workflow integration
- Designed for plug-in services e.g. DOI for publications
- Step by step development, close to user
- Open Source

Security

- User management
- Public and private repositories
- Collaborator access levels
- SSH key encryption for convenient access

Repository handling

- Upload / download / sync
 - Command line client (Linux / Win)
 - Existing git or git annex user interfaces
- Versioning of repositories

Data Hosting

- G-Node: gin.g-node.org
- In-house solution

Data publication plugin

- Freeze public repository for publication
- Request DOI to the frozen dataset
- Hosted by G-Node

Example Use Case

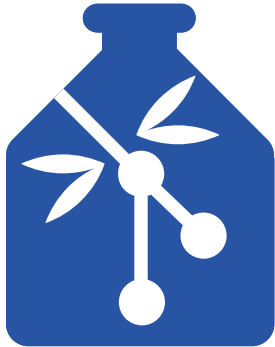
Live demo

New stuff coming your way

- Full support for Linux, Win, Mac
- File browser plugin
- Selective file download
- Convenient version handling

Join us!

Come to the gin side



Brainhack Global 2017

Thursday – Friday (02.-03.03.)
09:00 – 17:00

Room G.00.031 (ground floor)
Department Biology I, Microbiology

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