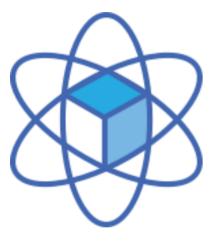
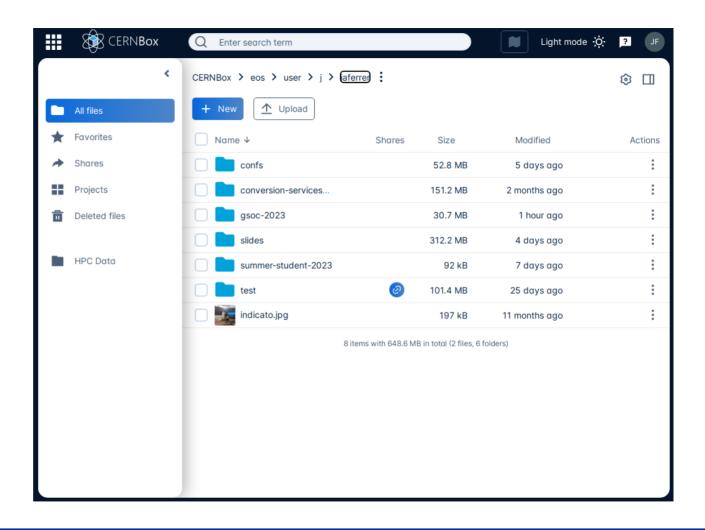


Indico + CERNBox: CERN services working together

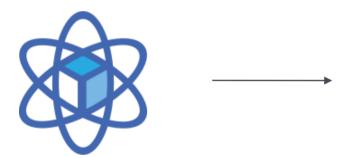
Javier Ferrer March 2023

CERNBox





Vision

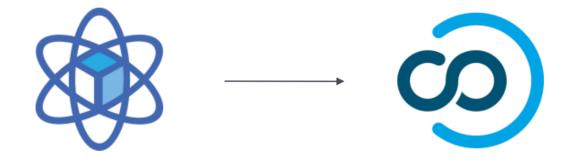








Vision





Problems

- Application-specific solutions are not reusable and hard to integrate with multiple EFSS services
- EFSS service differences make it difficult for a one-size-fits-all solution.



Solution

- **CERNBox File-picker** is a standalone implementation which bridges the integration between a cloud storage provider and an app.
- At the moment it uses WebDAV, so it is compatible with any ownCloud version.
- Eventually it would use <u>CS3 APIs</u>, so the compatibility list would expand to any of the mesh storage services.





Features

- Easily integrate EFSS providers into any web application
- Covers different use cases
 - File fetching / linking
 - File upload
- Provides authentication and user interface, leaving only the handling of the files to the target application



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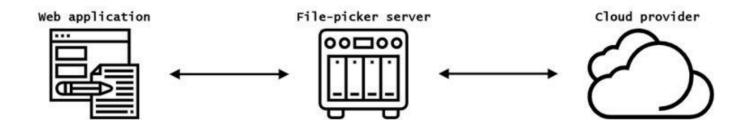
 Provides authentication and user interface, leaving only the handling of the files to the target application



Up to 75% increased
Naturwissenschaften
output!!!

How does it work?

- First version uses a wrapper around a modified ownCloud File-picker
- It is embedded via iframe in the application and talks to the cloud storage provider
- Handles authentication with OIDC or OAUTH2
- Uses postMessage to send file links to parent





Uses

- Indico 3.2 at CERN, to attach materials into events and categories
- CodiMD
- Invenio integration in progress
- Other CERN services are being evaluated
- Other partners of the CS3MESH4EOSC consortium



We even have docs!





Documentation

Embedding

Data Styling Setup somewhere without copying them. The duration of the links can be adjusted with the publicLinkDuration, in days. These public links will have the internal flag set (so they are not visible in ownCloud web), and can be given a description via the description parameter.

i Keep in mind, if the owner of the file deletes or moves it, the public link will stop being valid. This is especially important if you plan to have long-term access to the files.

Location selector

This mode allows users to select a path inside their storage for the parent application to upload files into it.

The File-picker will provide the parent application with authentication details along with the selected path.

Query parameters

The File-picker accepts the following parameters through the query string:

Name	Description	Values	Default	Required	Example
origin	URL of the iframe parent	string		Yes	https://indico.cern
locationPicker	Show the location	bool	false	No	1



Flow





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