

CERNBox Updates

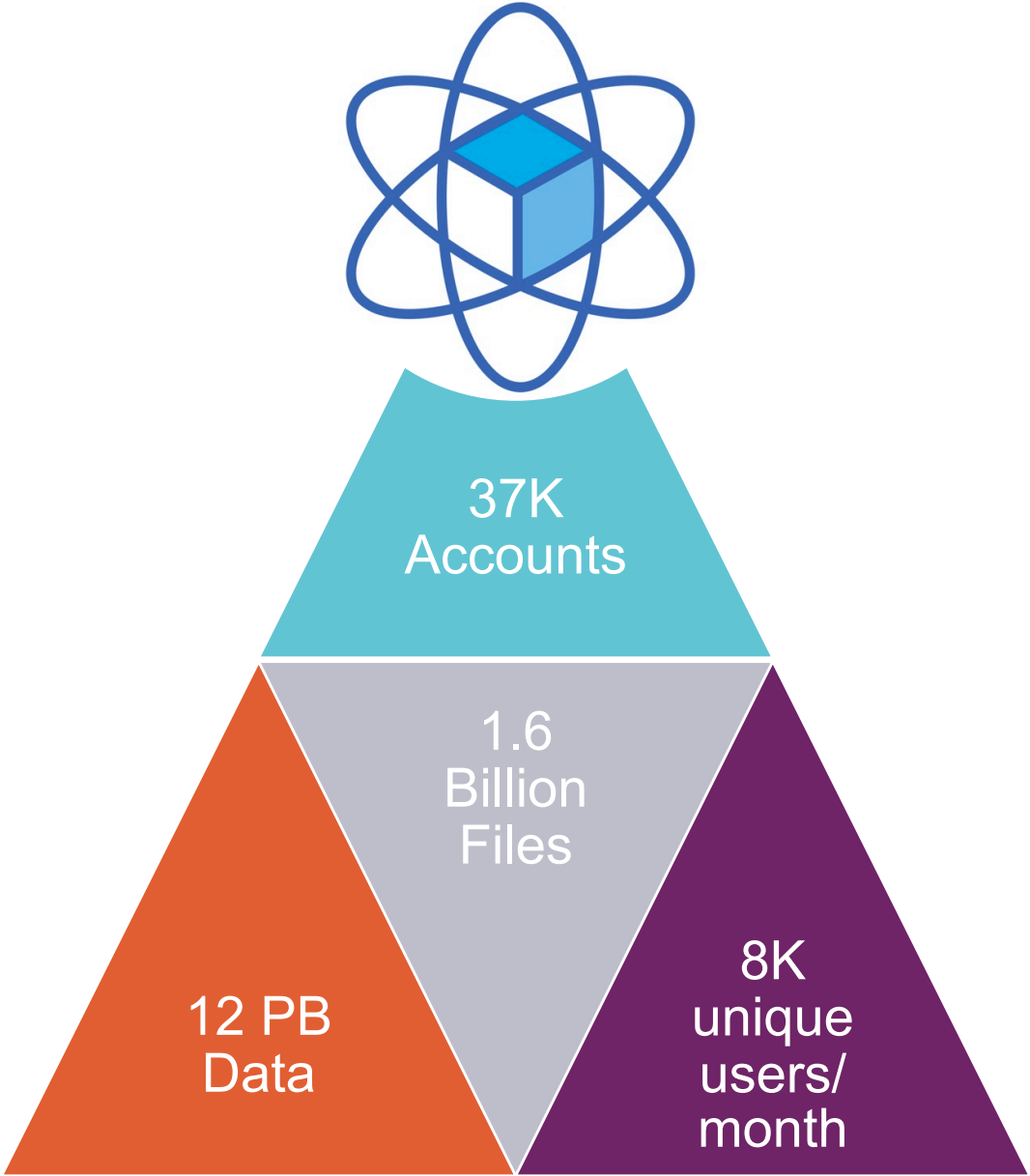
ITUM 32

Hugo Gonzalez Labrador (IT Storage)

01/03/2021

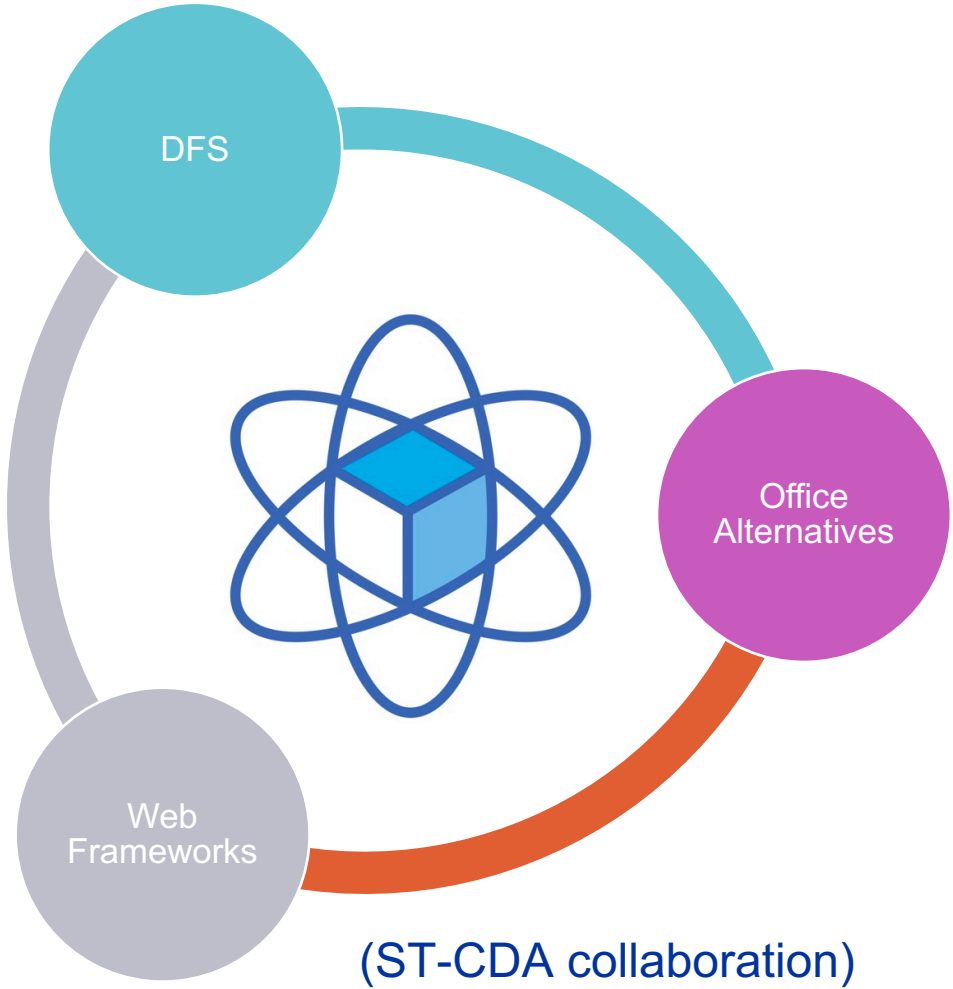
CERNBox in a nutshell

Sync and Share	<ul style="list-style-type: none">• Dropbox-like use-case• Offline access to data• Universal access to data
Web Apps	<ul style="list-style-type: none">• Real time collaboration• Office documents
Online filesystem access	<ul style="list-style-type: none">• SAMBA (Windows)• FUSEX (Linux)
Physics integration	<ul style="list-style-type: none">• ROOT• SWAN• LXPLUS/LX BATCH



CERNBox in MALT

Project	Prototype / Early Adopters	Operational
DFS Home Directories		✓
DFS Workspaces	✓	
SharePoint Document Library	✓	
Office Alternatives		✓










DFS Migration

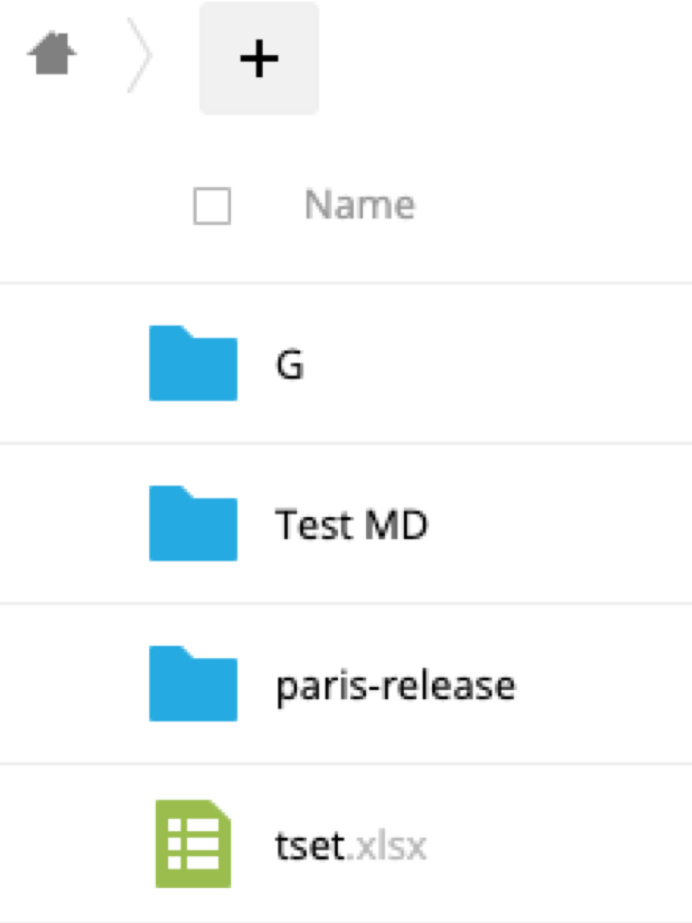
Home and Workspaces

DFS Mapping

\\cern.ch\dfs\

	Name
<input type="checkbox"/>	Users
<input type="checkbox"/>	Clubs
<input type="checkbox"/>	Departments
<input type="checkbox"/>	Divisions
<input type="checkbox"/>	Experiments
<input type="checkbox"/>	Management
<input type="checkbox"/>	Projects
<input type="checkbox"/>	Scratch
<input type="checkbox"/>	Services
<input type="checkbox"/>	Support
<input type="checkbox"/>	Systems
<input type="checkbox"/>	Applications
<input type="checkbox"/>	Websites
<input type="checkbox"/>	Workspaces

-  All files
-  Favorites
-  Shared with you
-  Shared with others
-  Shared by link
-  Your projects
-  Deleted files

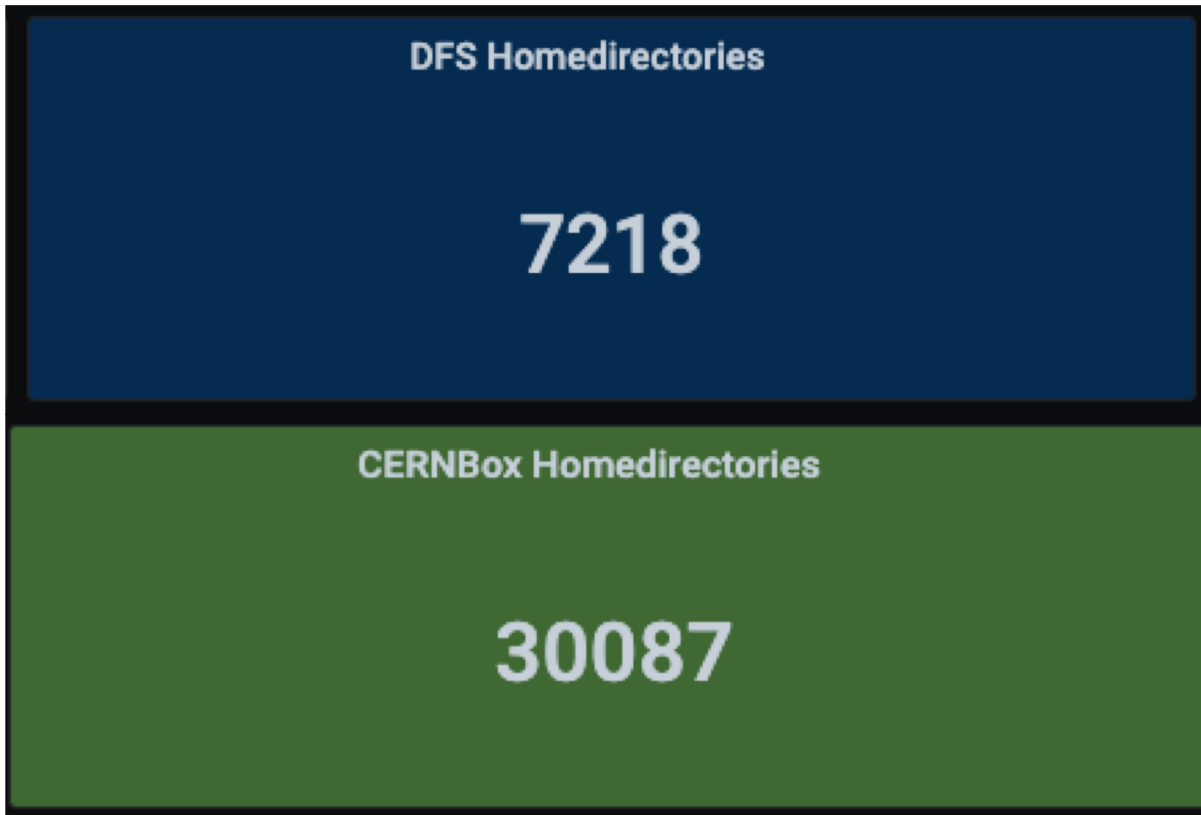


File Explorer interface showing a list of folders and files. The list includes 'G', 'Test MD', 'paris-release', and 'tset.xlsx'. Navigation icons like 'Home', 'Back', and 'Add' are visible at the top.

Usage reduction in DFS

Home Directories

Migration of users from DFS home directory to CERNBox is fully operational



Other areas (Workspaces, ...)

We are evaluating the best migration path, 20 volunteers already, **more are welcome!**

Short Description

Request space for the EOS/CERNBOX project = ucpc-resources

Request space for the EOS/CERNBOX project = hr-ld

Request space for the EOS/CERNBOX project = mme-archive

Request space for the EOS/CERNBOX project = service-access-control

Request space for the EOS/CERNBOX project = SCE

Request space for the EOS/CERNBOX project = ls12ls2-coordination

Request space for the EOS/CERNBOX project = norma-workspace

Request space for the EOS/CERNBOX project = dronemapping

Request space for the EOS/CERNBOX project = blm

Request space for the EOS/CERNBOX project = dancingclub

Request space for the EOS/CERNBOX project = string-cx

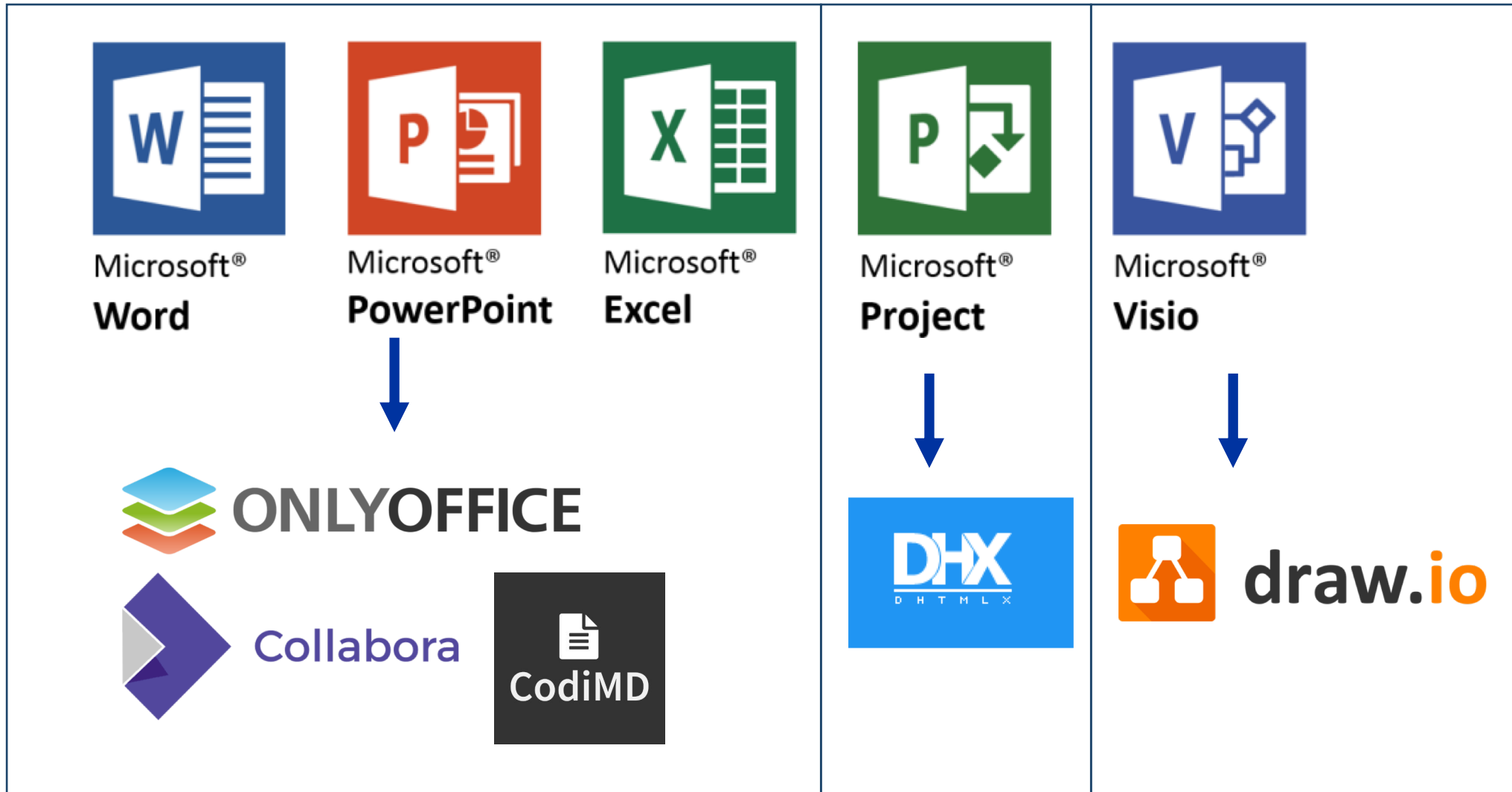
Request space for the EOS/CERNBOX project = adfs2016-documentation

Request space for the EOS/CERNBOX project = discourse-archives

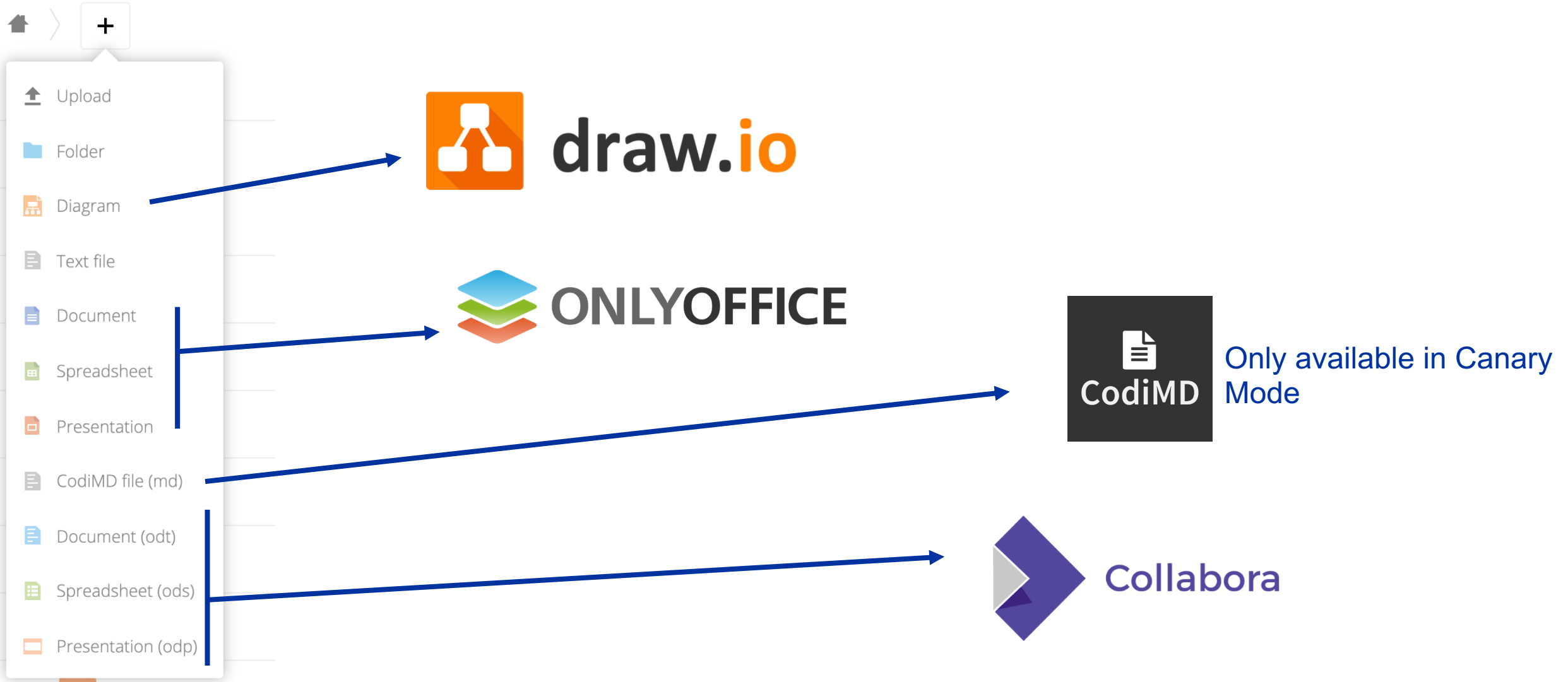
Office Alternatives

OnlyOffice, Collabora, Gantt Viewer, Drawio, CodiMD

Reduce usage of proprietary products



Access apps in one-click from the CERNBox UI



Increase usage of open source formats



Collabora

ODF (.odt, .odp, ods) as an alternative to Office



draw.io

.drawio for drawing diagrams

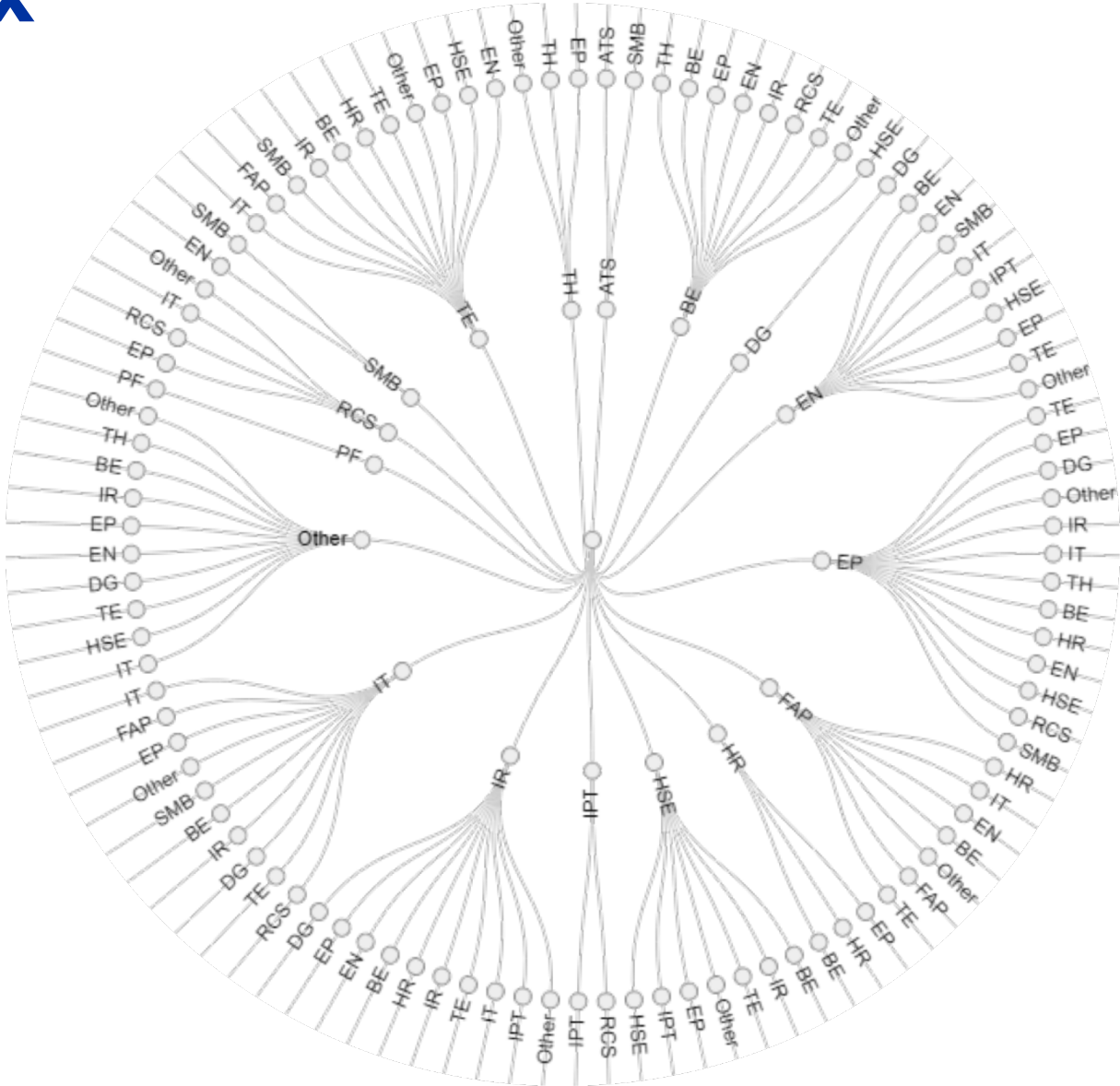
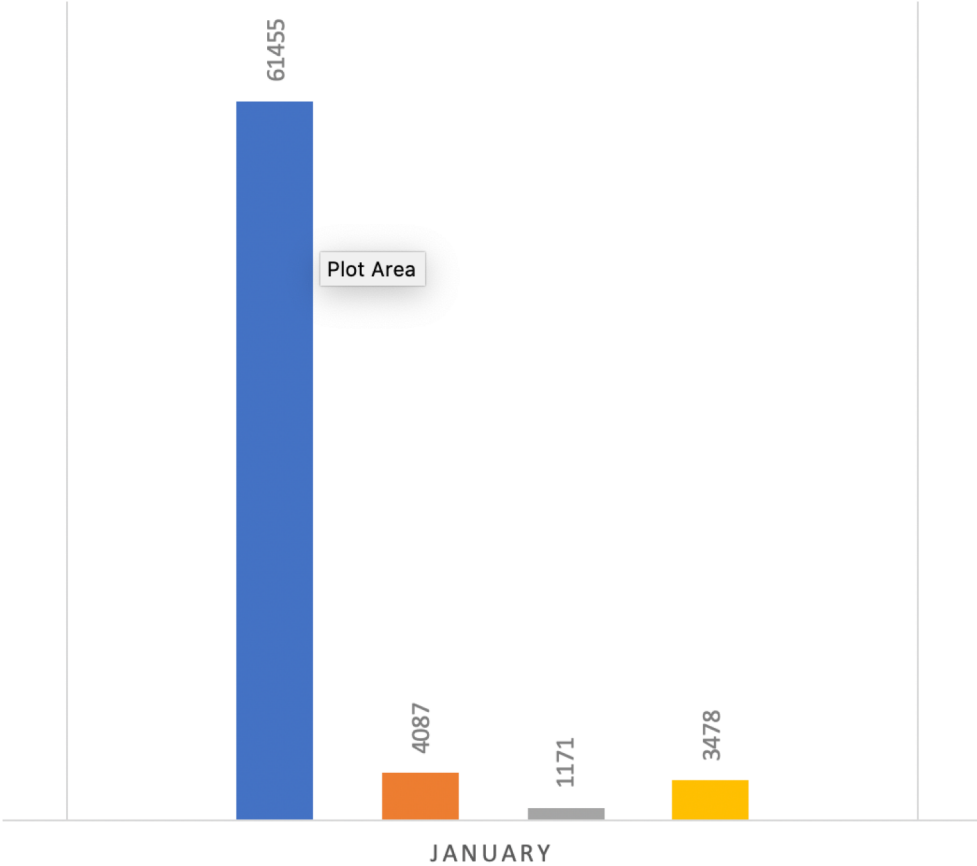


Markdown (.md) for lightweight presentations and collaborative note taking

Collaboration in CERNBox

DOCUMENT OPEN FROM

■ PUBLIC LINKS
 ■ INTERNAL SHARING
 ■ PROJECT SPACES
 ■ HOME



Web Frameworks

SharePoint Document Libraries

From SharePoint to CERNBox Project



Collaboration Workspaces

BROWSE FILES LIBRARY

Create Links **Example** EDIT LINKS

Group documents

+ new document or drag files here

All Documents Find a file

✓	Name
	SL Documents
	Business Continuity Plan V1.3
	CHIS_F01 - Claim for the reimbursement of medical expenses(2)
	document
	excel
	presentation
	SecretPlan

Home
Notebook
Documents
Recent
Wiki test
Group documents
Public documents
Private documents
test-wiki
Site Contents
EDIT LINKS

home > _myprojects > migration-sp-cernbox > +

Name
Shared Documents
public
SharePoint_To_CERNBox_Migration_README.txt
Style Library
SiteAssets
Public documents
Group documents
Private documents

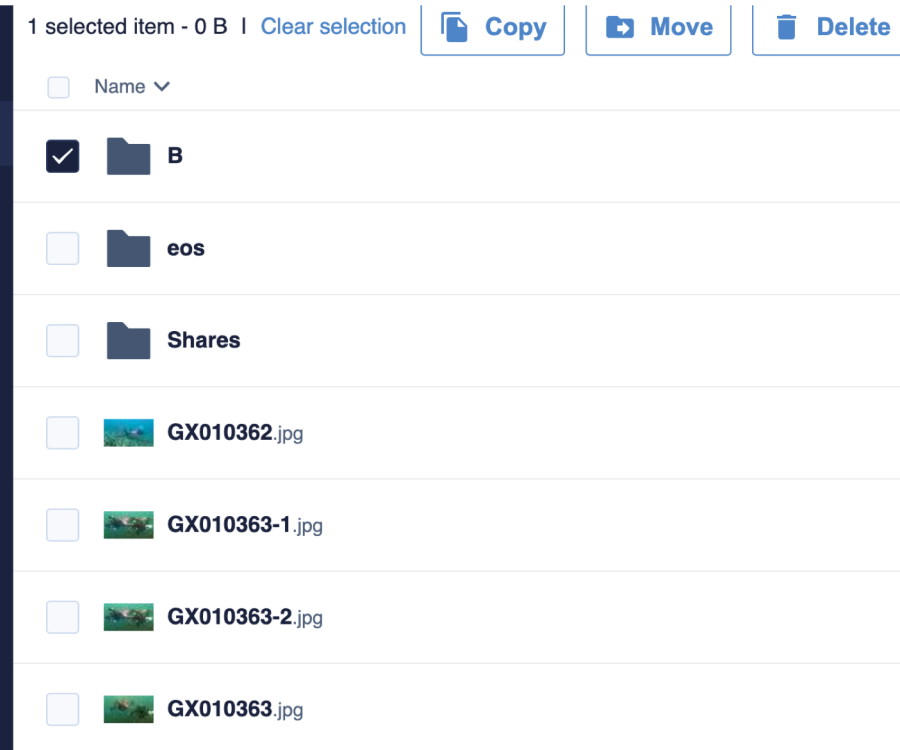
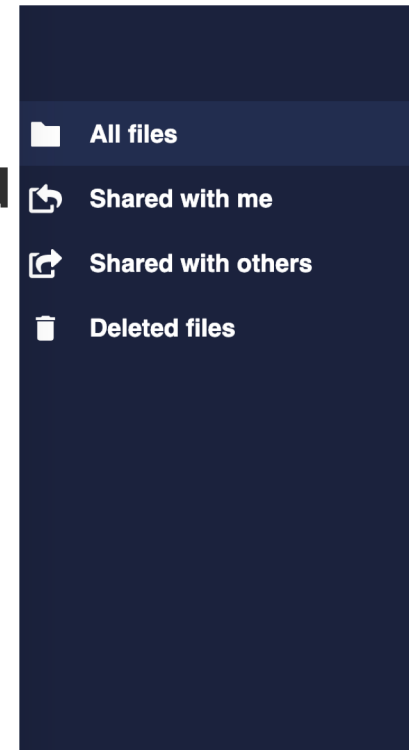
The New CERNBox

Quick overview

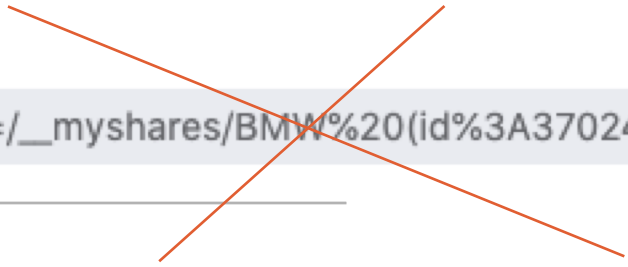
Main focus is increasing usability (Work In Progress)



- New UI
- **Global URLs**
- **Automatic synchronization of shares and projects**
- Single File Sharing Sharepoint
- Restrictive ACLs DFS, Sharepoint
- Lightweight account Sharepoint
- Better management for project spaces



Uniform Global URLs

 [cernbox.cern.ch/index.php/apps/files/?dir=/__myshares/BMW%20\(id%3A37024\)&](https://cernbox.cern.ch/index.php/apps/files/?dir=/__myshares/BMW%20(id%3A37024)&)

<https://cernbox.cern.ch/#/files/list/eos/user/g/gonzalhu>



Home / eos / user / g / gonzalhu

+ New

Name ▾

```
[gonzalhu@lxplus700 ~]$ ls -l /eos/user/g/gonzalhu
total 4075
drwx-----. 2 gonzalhu it      4096 Feb 19 15:12 A
drwx-----. 2 gonzalhu it      4096 Feb  9  2020 B
drwx-----. 2 gonzalhu it      4096 Dec 14 18:44 C
```

gonzalhu

File Home Share View

This PC > EOS (H:) > user > g > gonzalhu >

Name	Date modified	Type	Size
A	2/19/2021 3:12 PM	File folder	
B	2/9/2020 7:00 PM	File folder	
C	12/14/2020 6:44 PM	File folder	



Automatic sync of shares and projects

DESKTOP

WEB

My Shares

+ New

Name ▾

- MALT Coordination
- ownCloud Roadmap 2021



Connected to <https://cernbox.cern.ch/cernbox/desktop> as *Hugo Gonzalez Labrador (gonzahu)*. Account ▾

50 GB of 955 GB in use

- home**
Synchronizing with local folder CERNBOX
- myprojects**
Synchronizing with local folder myprojects
- myshares**
Synchronizing with local folder myshares
 - MALT Coordination (0 B)
 - ownCloud Roadmap 2021 (0 B)

Hide

Contact us, we need your help and feedback!

- Mattermost link: MALT OFFICE
- Mattermost link: MALT DFS
- Mattermost link: MALT SHAREPOINT



home.cern