

Data Safety in CERNBox

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On behalf of the CERNBox team

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CERNBox User Forum





Summary

Trashbin



File versions



Backup





Trashbin



The screenshot shows the CERNBox Trashbin interface. The top navigation bar includes the CERNBox logo, a search icon, and the user name 'Gianmaria Del Monte (gdelmont)'. The left sidebar contains navigation options: All files, Favorites, Shared with you, Shared with others, Shared by link, Your projects, Deleted files, Documentation, Report a problem, Feature request/suggestions, and Settings. The main content area shows the breadcrumb path 'Deleted files > Today > Deleted files'. Below this is a table of deleted items:

Name	Size	Deleted
important_file.txt	< 1 KB	4 hours ago
important_folder	0 KB	4 hours ago
2 files		3 B

Text overlay: Files deleted more than 6 months ago are automatically removed from the trashbin





File versions



- When a file is updated, a new version is created
- Stored last 10 versions

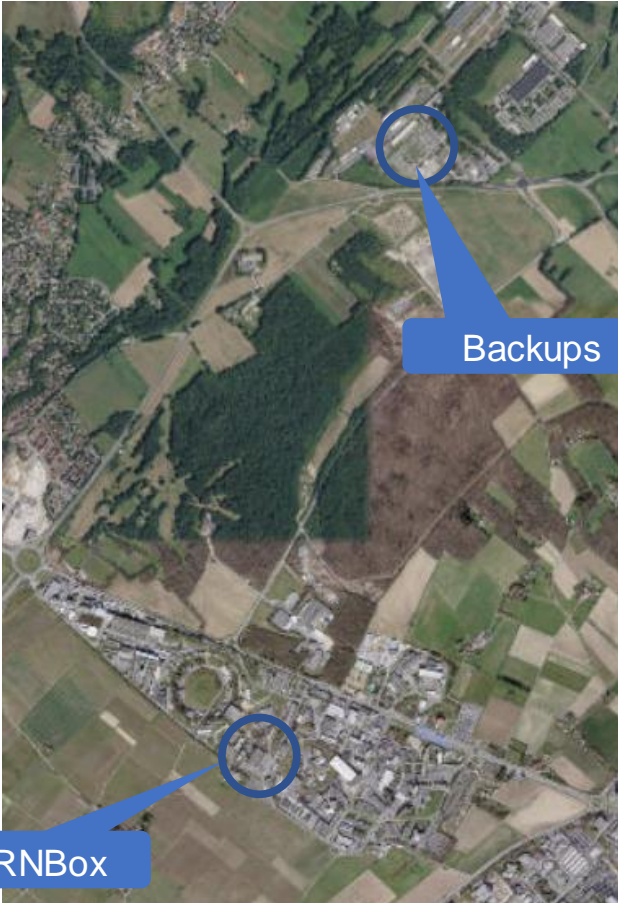
The screenshot shows the CERNBox file management interface. The main area displays a list of files and folders. The file 'New file.docx' is highlighted, and a side panel on the right shows its version history. The version history includes:

Version	Download	Size	Time
1	Download	11 KB	21 days ago
2	Download	11 KB	21 days ago
3	Download	11 KB	21 days ago
4	Download	11 KB	21 days ago
5	Download	11 KB	21 days ago
6	Download	11 KB	21 days ago
7	Download	11 KB	21 days ago
8	Download	11 KB	21 days ago
9	Download	11 KB	21 days ago
10	Download	11 KB	21 days ago





Backup



- Stored in another **geographical location** on the CERN campus (Preveissy)
- Stored with **different technologies** used for CERNBox
- All backups are periodically and automatically **verified**
- In case of problems, all your data can be **restored**





An example

- Scenario 1:
 - *I would like to recover a version of 1 hour ago*
 - Restore from **file version**
- Scenario 2:
 - *I deleted a file by mistake*
 - Restore from **recycle bin**
- Scenario 3:
 - *I would like to restore my full home directory as it was yesterday*
 - Restore from **backup**



Future works



- For now, to restore a file or a folder in a particular date from backup
 - Open a [ticket](#)
- **Integration** in CERNBox web UI
 - Navigate all the backups of the home/project directory
 - Explore the different backups for each file
- Self-service restore



Data Safety in CERNBox

Thank you

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