Snapshots of Groupdrives

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Lösung (öffentlich)

Snapshots of Groupdrives

A snapshot is a temporary image of the file system at a specific point in time. This allows an older version of a file to be restored using snapshots.

A small part (between 0-15%) of your Groupdrive is reserved for snapshots. Snapshot usage should not exceed this pre-configured limit under normal circumstances.

Snapshots serve as a quick recovery option for accidentally deleted or overwritten files, but do not replace a full backup.

Access to Snapshots

Snapshots are provided as special, hidden folders. You can enter this folder like a normal directory and copy files from it.

On Huawei storage systems, the snapshot folder is located in the root directory at

.snapshot

On CephFS storage systems, the snapshot folder is located in all directories (root and all subdirectories) at

.snap

The .snap folder on the Ceph storage system is completely hidden and is never displayed.

Restoring Files

Recovery is done by simply copying the desired files from the snapshot folder back into the active drive.

Example (Linux command):

cp .snapshot/hourly_cdp_2026-01-20_2001_00/important_document.txt ./important_document_restored.txt

Configuration and Retention Period Huawei Drives

For Groupdrives on Huawei systems, you have control over the snapshot strategy. Via the Self-Service Portal (SSP)[1]1, you can set:

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How often snapshots are created (e.g., hourly, daily).

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How long these snapshots should be kept (Retention Policy).

Ceph Drives

For Ceph-based drives, the intervals and retention periods are fixed by the system and cannot be individually adjusted.

[2]1[3]Self-Service-Portal Groupdrive Management

[1] #sdfootnote1sym
[2] #sdfootnote1anc
[3] https://selfservice.tu-dresden.de/services/groupdrive/overview/