Storage and costs

Non-sensitive data (Curnagl)

Summary of storage file systems

The costs page is available here (UNIL login is required).

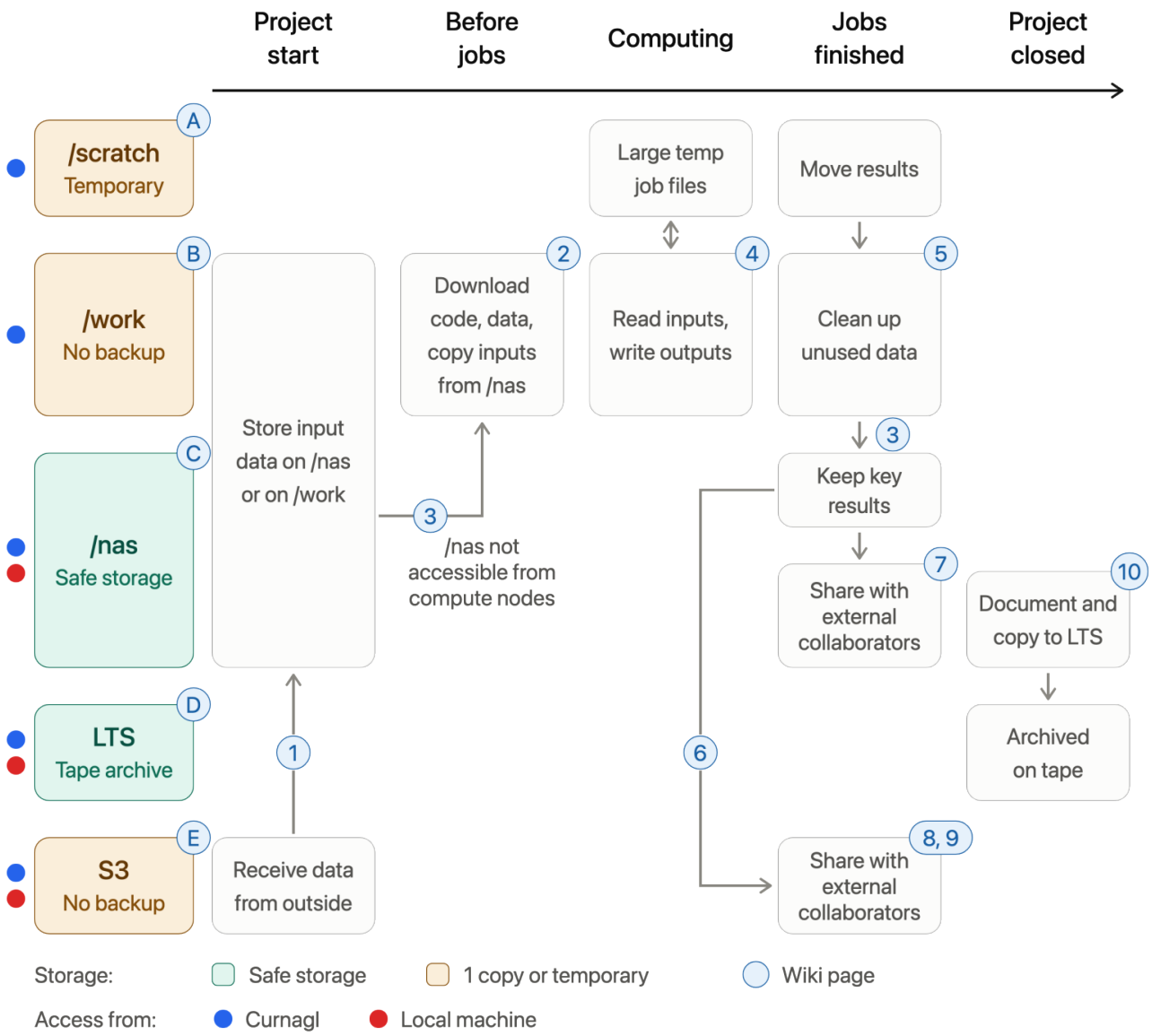
Storage	Use it for	Copies	Safety	Cost	Accessible from
/users (home)	Configuration files	1	Safe 7-days snapshots	Free, quota is strict (50GB)	Curnagl login node
/scratch	Temporary files of running jobs that need large amounts of data	1	> 2weeks-old files are purged when 90% full	Free, no quota	Curnagl login and compute nodes
/work	Data used in current computations	1	No backup	With quota, see "U1 cost" for "GPFS (HPC - normal)" in the costs page	Curnagl login and compute nodes
/nas D2c	Important results of ongoing projects	2	With backup	With quota, add "U1 cost" for "Stockage copie primaire (Isilon)" and "Stockage 2ème copie (Isilon)" in the costs page	Curnagl login node and local mount (see wiki)
/nas D1c	Reloadable datasets of ongoing projects	1	No backup	With quota, see "U1 cost" for "Stockage copie primaire (Isilon)" in the costs page + see blue frame below	Curnagl login node and local mount (see wiki)

Storage	Use it for	Copies	Safety	Cost	Accessible from
LTS (tape)	Data of closed projects, archive	2	On tape	Free, no quota	Once data is on tape: upon request (see step 7 here)
S3	Share data with external collaborators	1	No backup	With quota, see "U1 cost" for "Stockage Objet" in the costs page.	Curnagl login node and local mount (see wiki)

> Each PI has 1 TB of free /nas space, shared across all their open projects: 500 GB in D2c or 1 TB in D1c.

> Costs are based on the space you actually use, not on your maximum quota.

Where to store your non-sensitive data during a project



This diagram shows where to keep your data at each stage of a project.

Read it from left to right: each column is a project stage, each row a storage system, and the arrows show where data moves. Amber storage has a single copy or is temporary, so move important data out of it.

Letters refer to storage systems, which wiki pages are given below:

- A - /scratch
- B - /work
- C - /nas
- D - LTS
- E - S3

Each number links to a wiki page with detailed instructions:

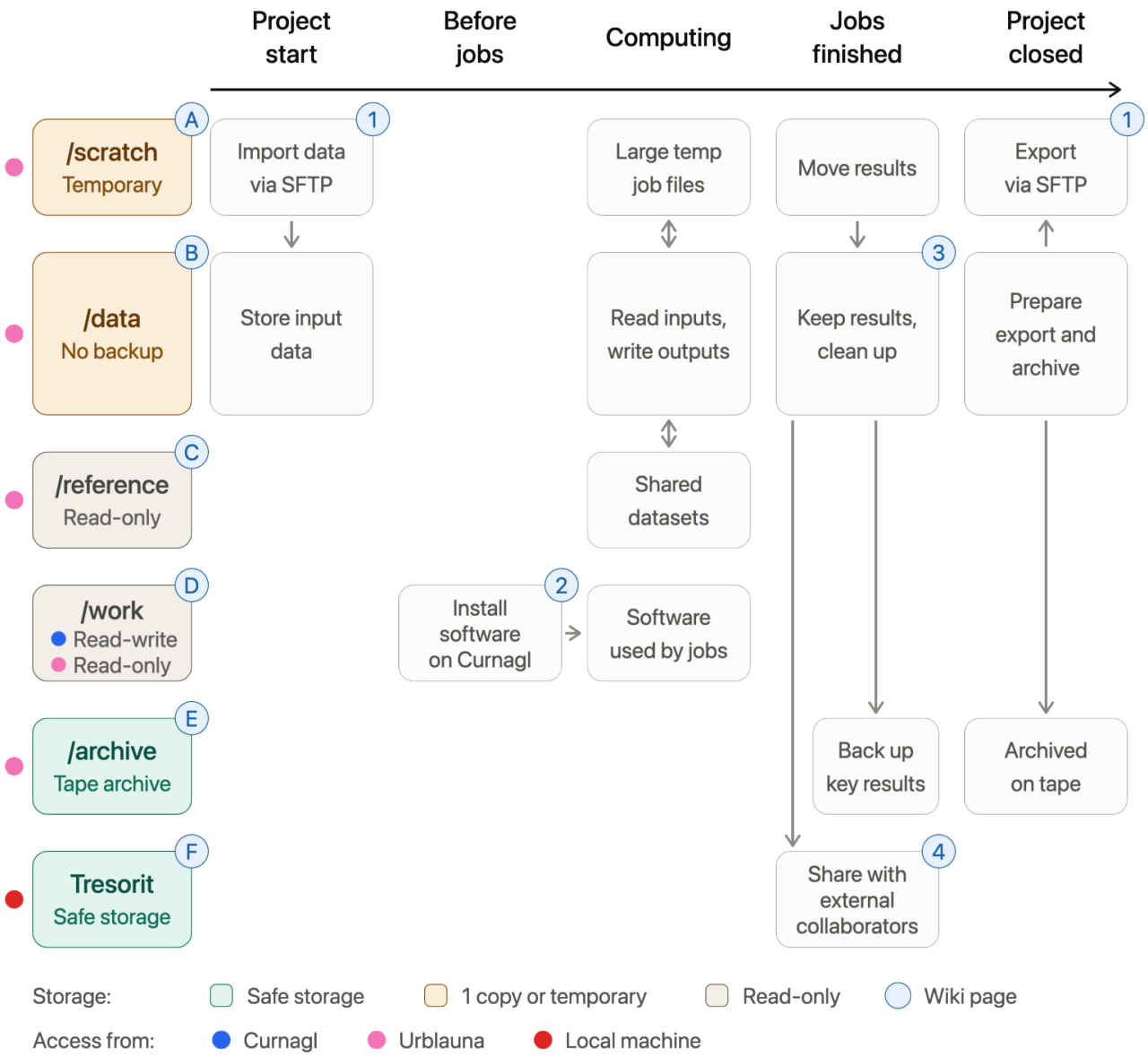
1. Transfert S3 DCSR to other support
2. Transfer files to/from Curnagl
3. Access NAS DCSR from the cluster
4. How to run a job on Curnagl
5. How much space am I using?
6. Share files from a bucket with presign keys
7. Give access to DCSR NAS files to an external collaborator
8. Filetransfer from the cluster
9. SWITCHfilesender from the cluster
10. Email helpdesk@unil.ch to get more information about LTS requests

Sensitive Data (Urblauna)

Summary of storage file systems

Storage	Use it for	Copies	Safety	Cost	Accessible from
/users (home)	Configuration files	1	Safe 7-days snapshots	Free, quota is strict (50GB)	Urblauna login node
/scratch	Temporary files of running jobs that need large amounts of data	1	> 2weeks-old files are purged when 90% full	Free	Urblauna login and compute nodes
/data	Data used in current computations	1	No backup	See "U1 cost" for "GPFS (HPC - sensible)" in the costs page	Urblauna login and compute nodes
/work (read-only)	Read-only from Urblauna Software installed from Curnagl (with internet connection)	1	No backup	See "U1 cost" for "GPFS (HPC - normal)" in the costs page	Urblauna login and compute nodes in read-only
/archive (tape)	Data of closed projects or not accessed regularly	2	With backup	See "U1 cost" for "Archivage (sensible)" in the costs page	Urblauna login node, quickly if data still in cache, very slowly otherwise (see wiki)

Where to store your sensitive data during a project



This diagram shows where to keep your data at each stage of a project.

Read it from left to right: each column is a project stage, each row a storage system, and the arrows show where data moves. Amber storage has a single copy or is temporary, so move important data out of it.

Letters refer to storage systems, which wiki pages are given below:

- A - /scratch
- B - /data
- C - /reference
- D - /work

- E - /archive
- F - Tresorit

Each number links to a wiki page with detailed instructions:

1. Urblauna access and data transfer
2. Installing your own software
3. How much space am I using?
4. Can I collaborate with external collaborators?

Good practices

- Move your results out of /scratch and /work (or /data for Urblauna) as soon as your computations are finished.
- Do not copy large read-only datasets to /scratch: /work (or /data for Urblauna) performance is more than sufficient for reading them.
- Using the `touch` command to prevent files from being purged from /scratch is strictly forbidden.
- Move data of closed projects:
  - to LTS to free up /nas space for non-sensitive data,
  - to /archive for sensitive data.

Quota increase

To increase a /nas or a /work quota, email helpdesk@unil.ch with "DCSR quota increase" in the subject line and the exact amount required. As this may increase quarterly invoices, we need the PI's approval before applying the change.

More information

- Detailed information about storage file systems in Curnagl
- Detailed information about storage file systems in Urblauna
- Tresorit: file storage and sharing service for your local sensitive data

---

Créé 2026-09-29 11:24:25 UTC par Margot Sirdey
Mis à jour 2026-10-20 12:01:07 UTC par Margot Sirdey