

What disk storage locations are available?

The main separate data storage locations in our HPC machines are:

- The **/home/\$USER** volume can be accessed from all machines. It is a permanent storage space, with regular back-up and a group quota of 50 - 200 GB. This is the storage unit that should be used for permanent inputs, model files, scripts, and other such files.
- The **/scratch/\$USER** volume can be accessed from all machines. It provides a convenient location for produce large data files (such as long simulation outputs), with a personal quota of 1TB. Files in /scratch/ **can be automatically deleted after 30 days**, and the unit is not backed-up.
- The **/tmp/\$USER/** is the local disk space in each node, allowing for fast I/O rate, but can only be accessed from the node itself. Once job is finished, temporal files are copied automatically to **/scratch/\$USER/tmp/\$JOBID** and files in **/tmp/\$USER/\$JOBID** are **cleared**.

So, as a summary:

Name	Variable	Availability	Quota	Time limit	Backup
/home/\$USER	\$HOME	Global	50 - 200 GB*	Unlimited	✓ Yes
/scratch/\$USER	-	Global	1 TB	30 days	✗ No
/scratch/\$USER/tmp/\$JOBID	\$SHAREDSCRATCH			7 days	
/tmp/\$USER/\$JOBID	\$LOCALSCRATCH	Local to node	-	Job's duration	✗ No

* The storage quota is account-wide and depends on the basic pack aquired.

The users' home directories are offered by a *NetApp FAS8020 NFS server* and the shared scratch by the *BeeGFS cluster*.

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