

## Storage

(Last update: Dec 24, 2024)

## Disk Spaces

Following disk spaces are available. Please use appropriate storage area for your purpose. For data that you want to keep for a long time, please save it in /home.

name	backup	retention period	quota	usage
/home	no	at least 1 year after the end of use	YES	Data repository on lustre.
/save				Currently, there are no functional differences between /home and /save.
/gwork	no	basically only during running job	no	Temporary space for jobs on lustre.
/lwork	no	only during running job	YES	Scratch space for jobs on computation nodes. /lwork/users/\${USER}/\${PBS_JOBID} will be created. 11.9 GB * (# of CPU cores; ncpus) of disk space is available. This directory is immediately removed after job termination.

(The retention period of /home and /save can be extended if there is large available storage space.)

## What will happen if exceeded

If the usage of /home and /save exceeds the limit, you and your group member can't submit new jobs anymore. Current disk usage can be checked with [showlim command](#). You can also [request extra disk space](#). If the usage becomes within the limit (and wait for minutes), you will be able to submit jobs again.

If the usage of /lwork exceeds the limit, the job will probably crash. You can increase the available /lwork space by increasing number of cpu cores, since the available space of /lwork is proportional to number of CPU cores (11.9 GB per CPU core).

For insufficient space of /lwork problem in g16sub and g09sub, you can add -N option to avoid the use of /lwork. (/gwork will be used instead. I/O performance of /gwork is not as good as /lwork, though.)