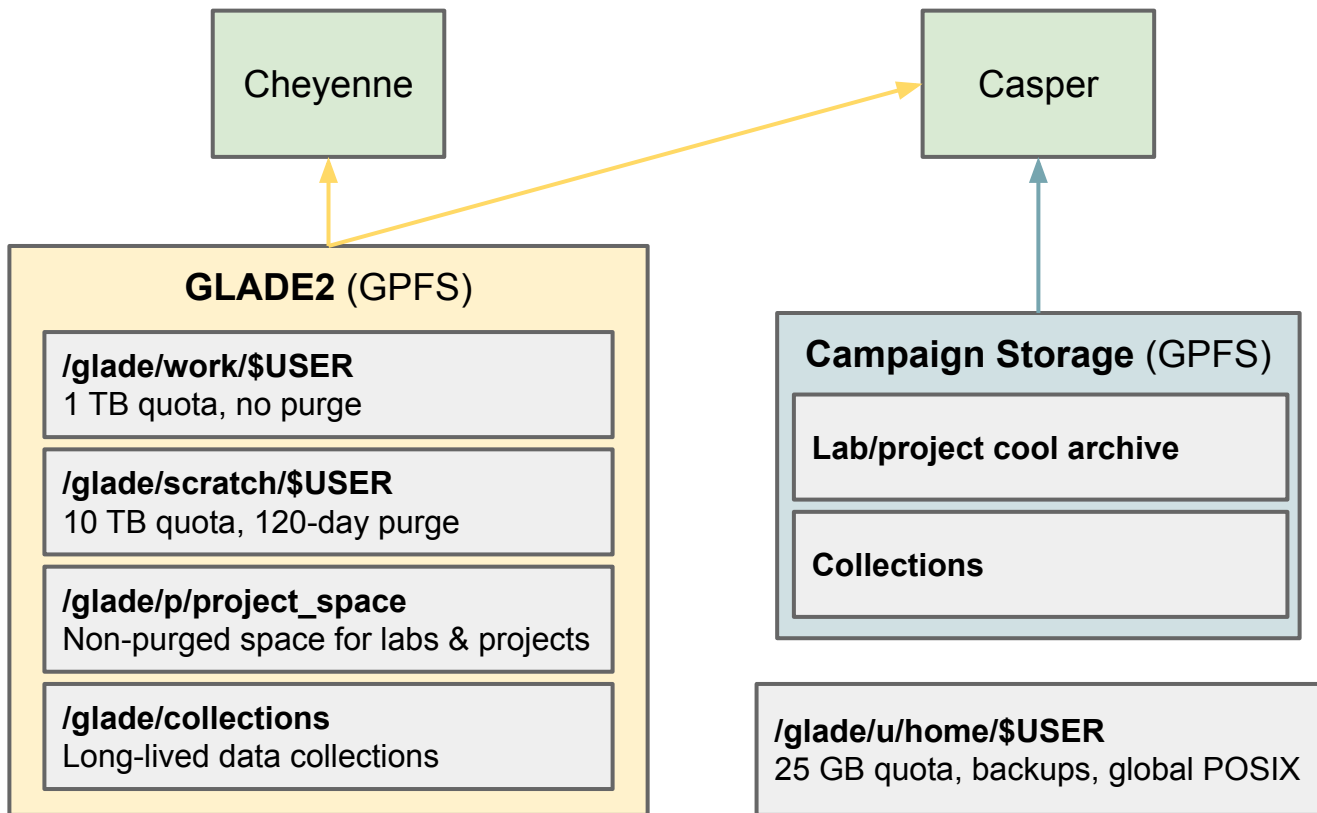


Storage Proposal for 2022

(subject to change!)

NCAR HPC Users Group - April 6, 2021

Current storage spaces and POSIX connectivity



Tape & Object Storage

Quasar

Stratus

HPSS

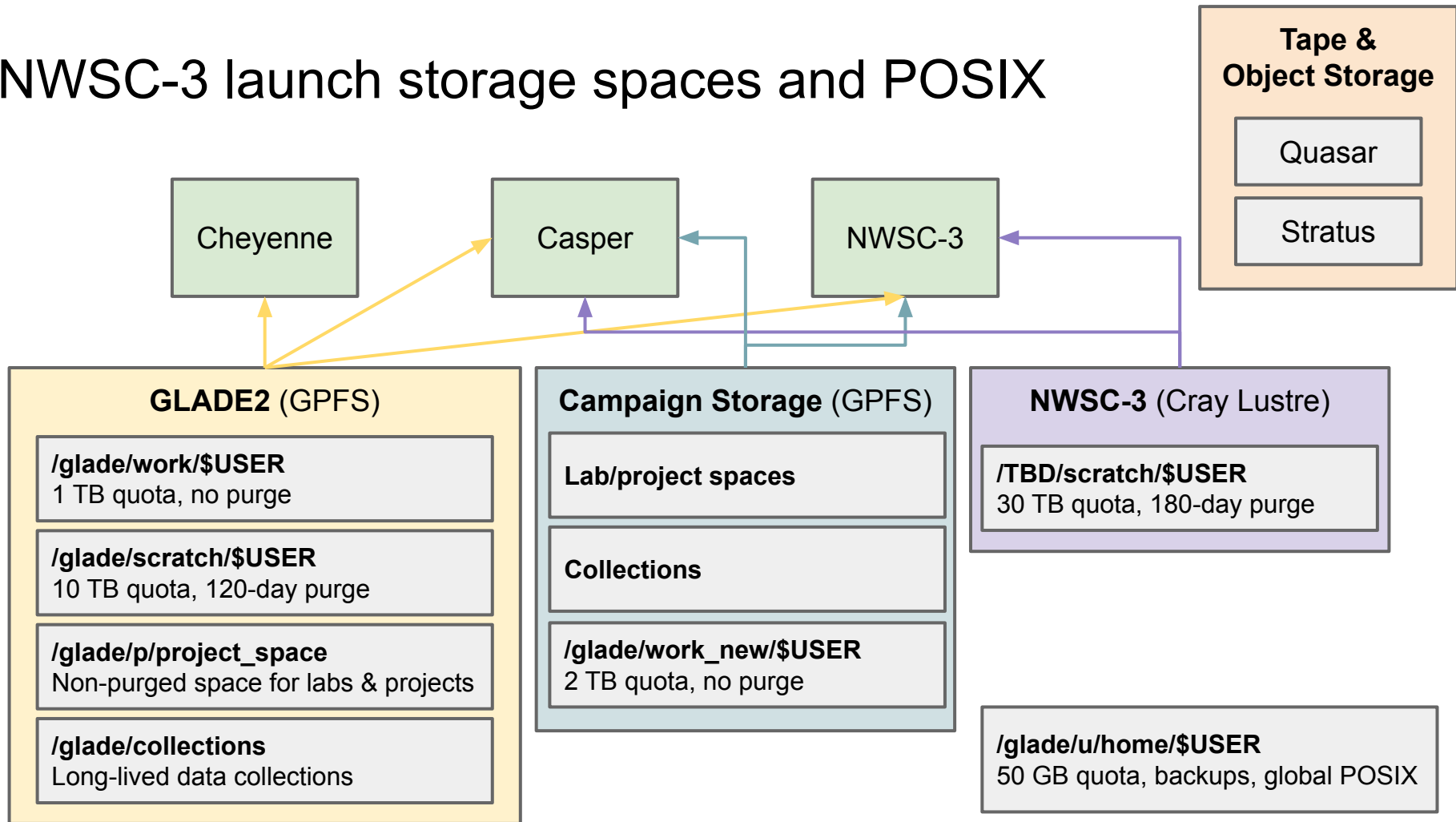
NWSC-3 is running regular jobs by April 2022

- Campaign Storage and Lustre scratch mounted on both NWSC-3, Casper
 - Lustre scratch also added to FS on data-access nodes and via Globus
- GLADE2 mounted on Cheyenne, Casper, NWSC-3
- New /work space on Campaign Storage hardware
- Campaign allocations adjusted to allow for merge of /project into CS

Default user quota changes:

/glade/u/home/\$USER	50 GB (currently 25 GB)
/glade/work/\$USER	2 TB (current work is 1 TB)
/TBD/scratch/\$USER	30 TB (current scratch is 10 TB)
	180-day purge (current is 120)

NWSC-3 launch storage spaces and POSIX



Proposed migration plan and responsibilities

- Users will migrate needed data from /glade/work_old to /glade/work_new
- Users will migrate needed data from /glade/scratch to /TBD/scratch
- Users/data managers will migrate needed data from /glade/p/<project> to Campaign Storage spaces as appropriate
- CISL will migrate data from GLADE2 collections spaces to Campaign collections spaces
 - Consulting Group will reach out to stakeholders when necessary (e.g., namespace issues)

Migrations should start in early 2022. GLADE2 made read-only when Cheyenne is decommissioned (TBD) and retired 3-months later.

Phased transition to keep current /work path

Currently, work is located at /glade/work/\$USER

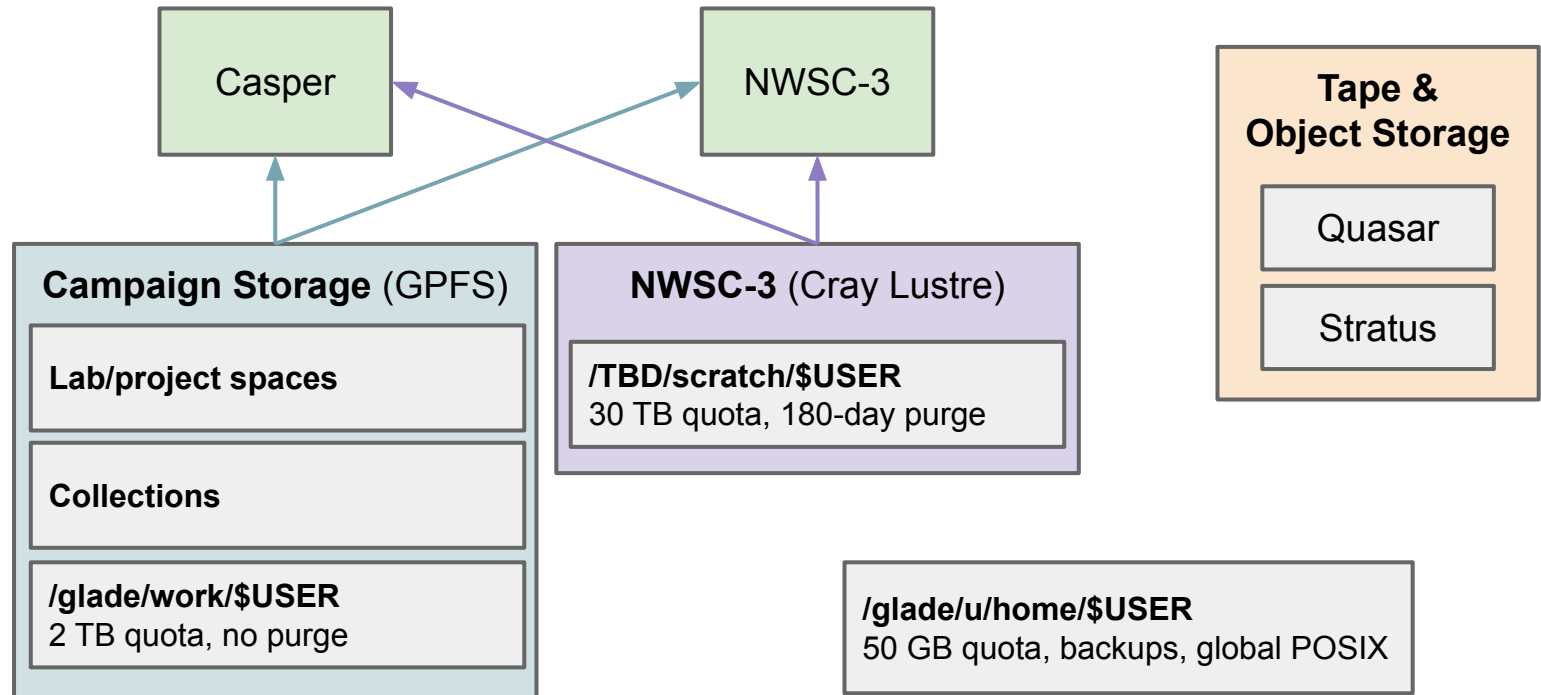
From launch of new file spaces till Cheyenne is decommissioned:

- 1 TB GLADE2 work: **/glade/work/\$USER**
- 2 TB CS work: **/glade/work_new/\$USER**

After Cheyenne is decommissioned till GLADE2 is decommissioned:

- 1 TB GLADE2 work: **/glade/work_old/\$USER** (read-only access)
- 2 TB CS work: **/glade/work/\$USER**

Late 2022 storage spaces and POSIX



Please us send any
feedback you have!

vanderwb@ucar.edu