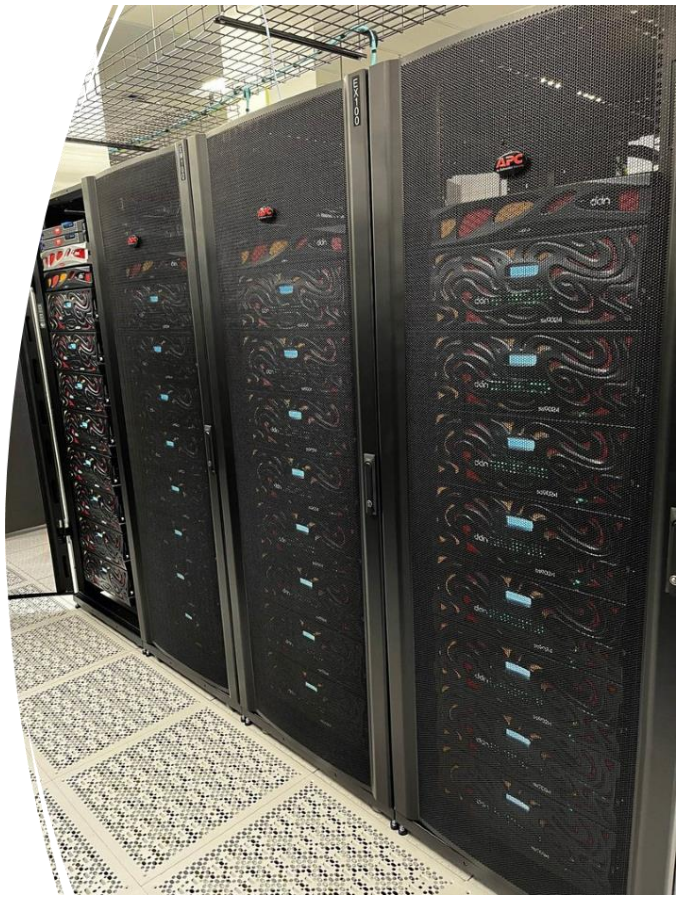
UT Southwestern Medical Center
Lyda Hill Department of Bioinformatics

BioHPC

BioHPC Post-downtime Update

New /project file system and storage roadmap



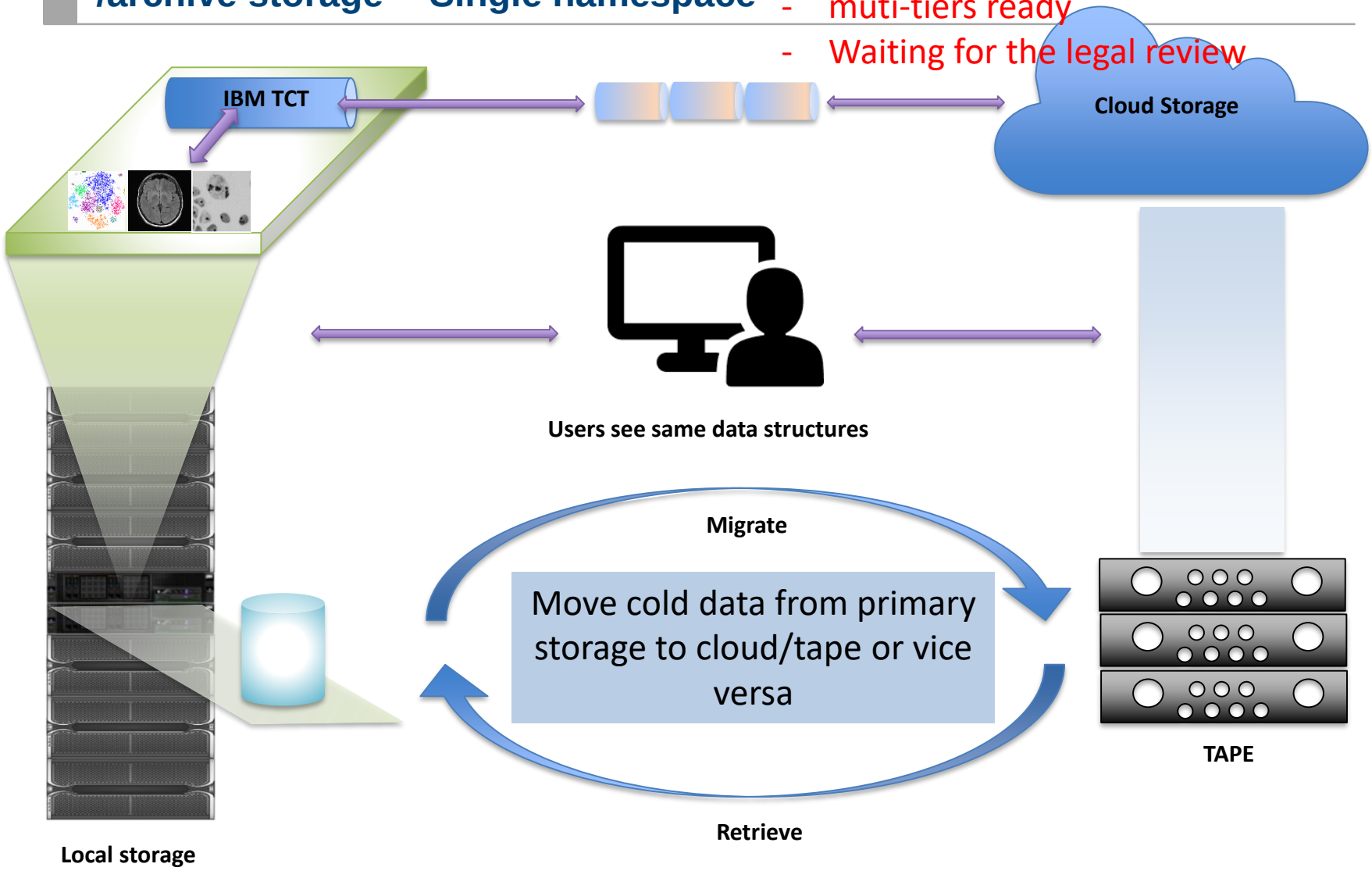
/home2	user profile	two backups per week
/work	important data	one backup per week
/project	scratch data	performance**
/archive	long term archive data	multiple tiers##

** 20 times faster than /work and /archive); No backup (but PI can request)

if data didn't R/W for one year, move to tape storage system; No backup(but PI can request)

/archive storage -- Single namespace

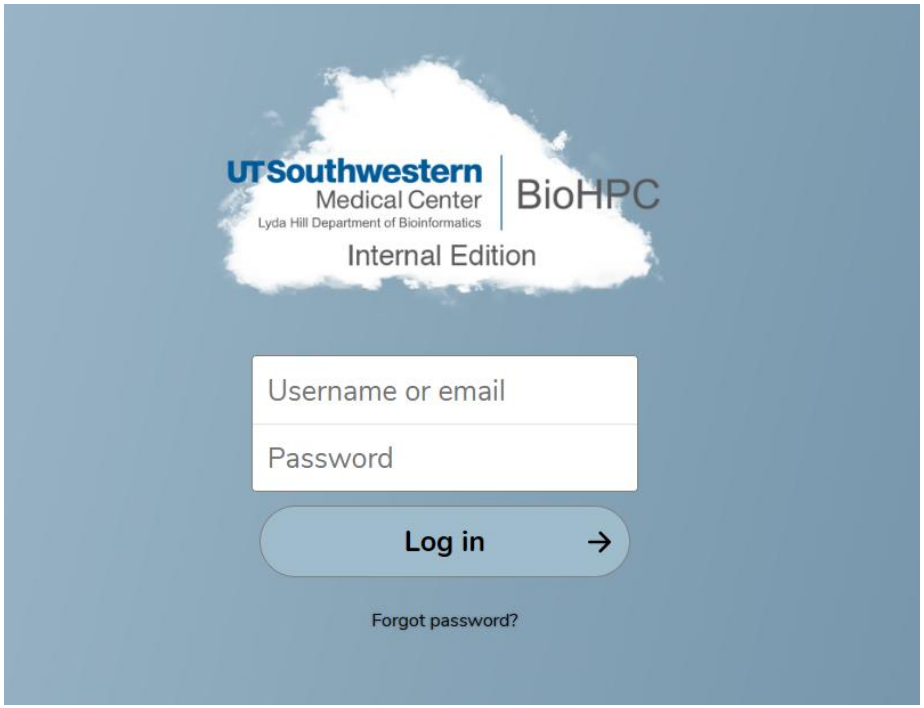
- upgrade in next two days
- No downtime
- muti-tiers ready
- Waiting for the legal review



Libreoffice

LibreOffice

Lamella upgrade



- System upgraded
- Security upgraded
- Web interface will upgrade in next two weeks

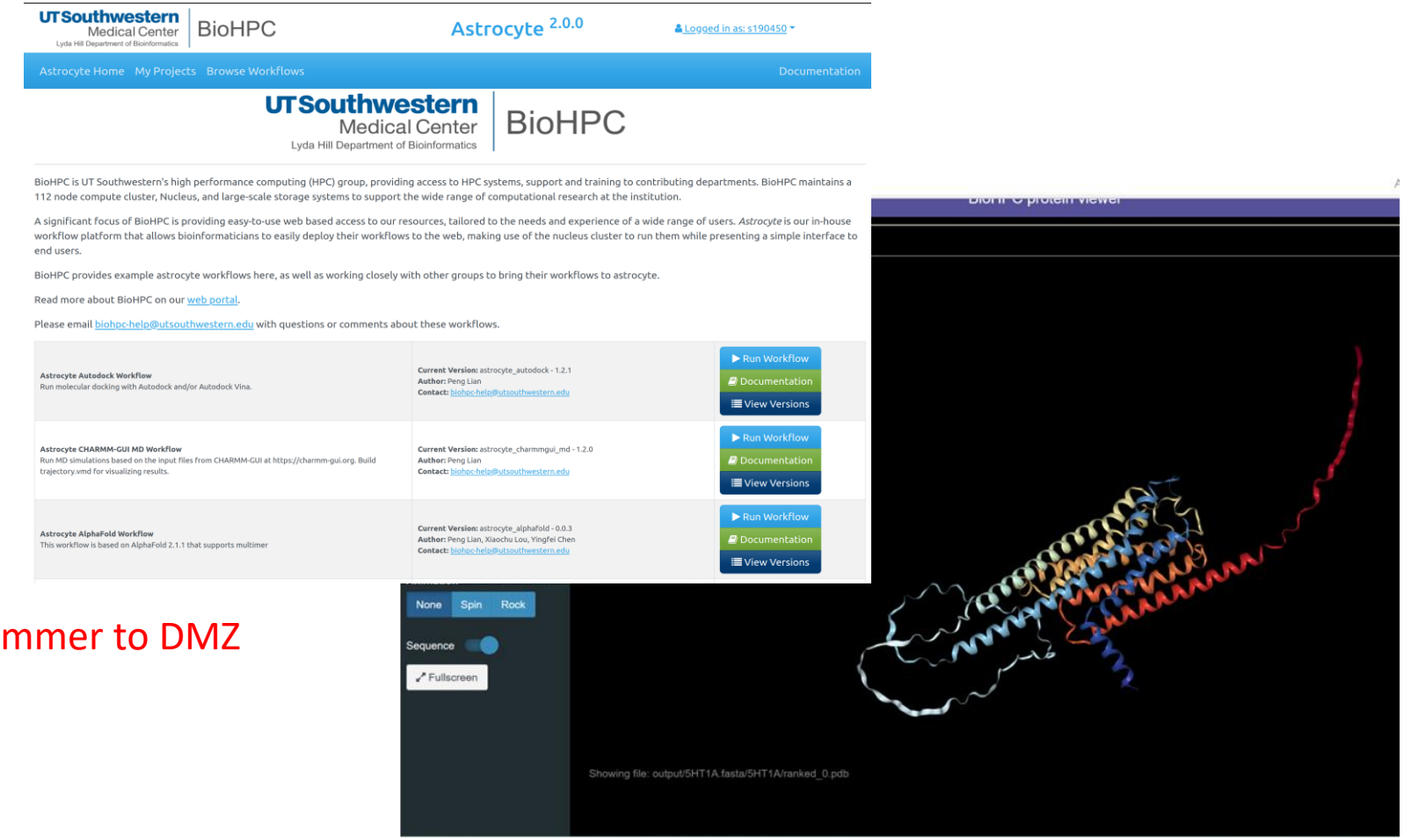
Virtualizing machine farm upgrade

Campus

DMZ

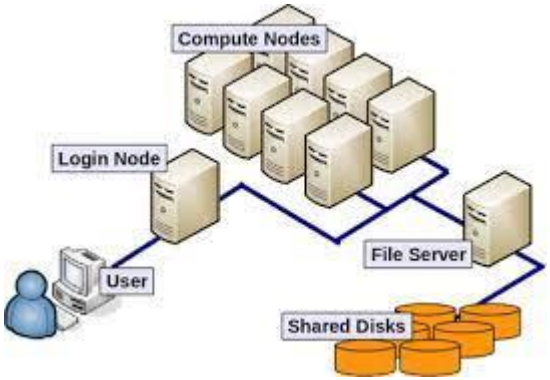
- Improving service reliability, frequency of updates, shortening downtimes
- Virtual GPUs, other passthrough hardware available

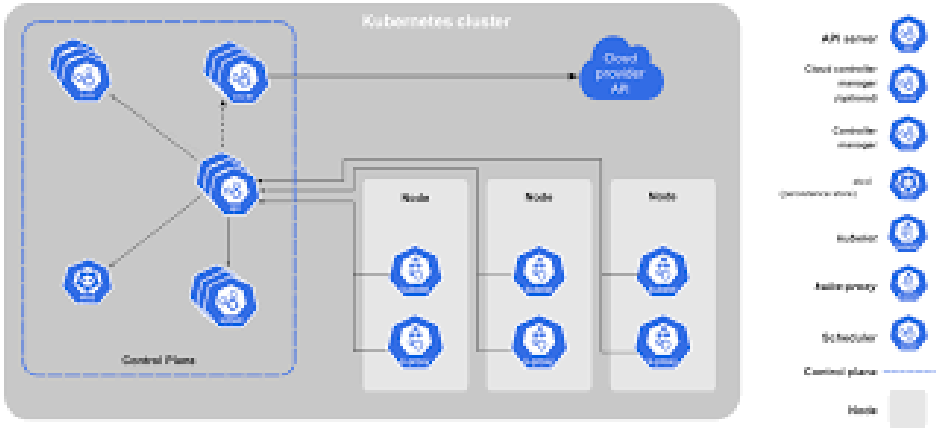
Astrocyte 2.0



- Summer to DMZ

Hybrid HPC—rootless podman ready





podman

- Rolling update this/next Month
- No downtime
- Rootless podman

Thank you