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7904 update

AWI Department update meeting 2023.03.06 / PSI

RA updates

Slurm resources management:

- plan to streamline current usage limits
- go simple and make complex in small steps, if needed

New storage

- delivered, some issues with installation
- planning the migration from old unsupported storage blocks, some downtime might be needed
- Overall, available storage space might decrease (100-300 TiB)

Data cleanup

- semi-automatic efforts to clean up Work area

SLS / SLS2 updates

Dark time and WSLA server room

- no clear timeline for eventual power cuts
- effects on SLS and RA operations still to be understood

Samba wide_links migration report

- some isolated issues, but overall good

Compute node replacement

- MX done - also with Slurm test cluster and gitlab-driven deployment
- Tomcat - testing
- cSAXS next

BEC

- Two test workstations configured and deployed (cSAXS and X07MA)

SwissFEL

Storage architecture discussions

- gathered feedback from beamlines and developers
- sent possible scenarios back
- Sven will go and discuss with the various beamlines
- after this, we'll see at what possible solutions are available with the current budget

Compute nodes replacement

- servers are aging (7 years)
- current historical usage is low
- discussions with beamlines and developers on their needs and next steps
- current proposal: reduce the number of available cores

Archiving / cleanup

- automatic archiving for all beamlines but Bernina (waiting for feedback)
- manual cleanup by us (for now)

General

Tape retrieve to CSCS object storage

- currently in QA, soon to be released

High-speed DAQ networks

- various tests performed at SLS and SwissFEL for IP over Infiniband
- now able to get 11 GB/s on an EDR link, with minimal tuning

Questions?

