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7904 update

AWI Department update meeting 2023.12.11 / PSI

Such emptiness

WSLA is empty!

Sorting out cables etc

Future of server room:

- no cooling
- possibly we give it up for office space



RA updates

RHEL8 migration

- dedicated queue for testing (day-rhel8) and login node (ra-l-005.psi.ch)
- after Schaltertest:
 - all login nodes (but one) reinstalled as RHEL8
- around March
 - all compute nodes (but a few) reinstalled as RHEL8
- all new systems installed as RHEL8
- **please test**

Resource management

- preliminary version of resource management library
- target: have beamline staff manage / request resources independently (so no emails)
- at the moment in preproduction, used only internally

Schaltertest operations

Ra will be down from Friday 5th January 10:00 till Monday 8th ~12:00 (TBC)

SLURM:

- migration to Slurm 23.05 (RA and SwissFEL)
- flattening out the accounting to improve resource usage

JupyterHub

- upgrade to latest 4.0.2, python 3.11, Lab 3.6.3
- both RA and SwissFEL

Finalize Infiniband migration

- last switch to upgrade, routing algorithm

plus various service packs, ...

SwissFEL

SSD storage tests

- half-filled system can write up to 30 GB/s
- still some discussions on proper network integration
- next: integration with existing Lenovo storage

DAQ

- support for JungfrauJoch@Cristallina ongoing
- tests with Controls for std_daq automated deployment

SLS / SLS2 updates

Discussions with IBM for next storage purchase in 2024

- based on latest storage products

DAQ setups

- set up of Material Science after migration
- plan with network team to clean up and repatch existing fiber connections
- preliminary work to support std_daq tests

Varia

Data Retention Policy

- preliminary version ready
- discussions with PSD ongoing
- waiting for PSAC feedback

Tape

- AIT started charging tape costs to divisions
- 7 CHF / TB / Year

Questions?

