Experiment support (1/2)

sPHENIX / Run 1 preparations:

- PanDA DB: Recent tests of up to 100k jobs went well (Xin, Jason)
- Conditions DB (non-NPPS): migration from the old hardware to the new VM is successfully completed (Chris)
- Lustre db backup account requested and created, Lustre expert is still configuring the access - delayed by Lustre training and Lustre update (Zhenping)
- Real time pilot monitoring: Logstash servers delivered and configured to write to Elastic Search according to PanDA monitoring team instructions. Ready for integration (05-17)

STAR / Run 23 preparations:

- MIRA (detector conditions) services:
  - CDEV-HTTP services outage resolved by CAD - was a combination of a missing service, firewall and CyberSec (Seth);
- Online service issues resolved:
  - detector clock/data taking rates/TCIM conditions missing, RunLog not populated, multiple duplicate EPICS IOCs running, TPC T0 missing, and more (STAR online experts)
  - The annual Conditions DB initialization procedure has started
- Conditions data migration: automatic online to offline db migration will start this week

Experiment support (2/2)

CFN Electron Microscopy:

- Configurations for 400Gbps attached 100TB Flash server Intel and AMD based finalized, with AMD as the likely choice. Procurement is likely to happen within two weeks.
- Ball park pricing has been approved by CFN. Moving to get final details defined on flash server configuration so that the configuration can be officially quoted by the vendor.

Web Services

SDCC Website

- Starting to work defining an information architecture for the SDCC web site that improves the "user experience" AND presents the SDCC as a coherent organization
- Work continues on troubleshooting search API module
- New content type for showing upcoming Presentations on site. Aggregator page will be linked in menu once we have content to place in this space (after CHEP)

Miscellaneous

- Working with Louis P. to support InvenioRDM for experiments
- First objective is to stand up instance for sPHENIX experiment. All steps in the process will be documented
- Will then build a test instance using the steps documented in sPHENIX instance
- Process will then be puppetized so it can be easily recreated for any experiment

Storage / dCache

USATLAS dCache

- Ongoing work to review the external to internal pool to pool (DMZ) replication
- dCache pools incidents
  - dc229 node crashed around 12:30PM~ 7AM 2023-05-01. Server firmware updates are applied after reboot. Similar issue as dc234
- RT ticket #35487, 35488, 35489: Some transfer requests of data carousel stuck in 'submitted' status for couple days without running
  - FTS related issues during same period of time [INC3458279]
  - The restart of CERN FTS servers fixed the long waiting FTS transfer — Staging request resubmission
  - One corrupted file on staging pool — Most probably checksum check to add in endit

USATLAS dCache preproduction

- New test TAPE endpoint enabled in ATLAS DDM
  - Successful writes through new WLCG TAPE REST API (work done together with ATLAS) — More validation coming

Storage / Lustre

NSLS II Lustre

- RT ticket #35516
  - Investigation is undergoing about the error from NSLS client: `Cannot send after transport endpoint shutdown(error:108)`
- Setup a lustre client on a VM to troubleshooting the hang issue after discussed with Lustre trainer