

# **Services and Tools Activity Summary**

## **Experiment support activities** — Dmitry, Matt, Vincent

- sPHENIX / Run 1 preparations
  - PanDA database: VM-based setup completed
    - OKD-based services switched to use new DBs (Xin)
    - stress-testing is ongoing: a baseline performance test => read/write splitter test => tuning
    - Setting up backup now: dedicated replica => pgBackRest => Lustre, then TSM
  - Rucio database: transitioning to new VMs
  - Shift Signup: is fully set for the commissioning period of Apr 11th - Jun 27th
  - Event Display: nearly complete, track tagging is the only remaining feature to be implemented
- STAR/ Run 23 preparations:
  - ShiftSignup is ready to open up tomorrow (Mar 3d). Running time: Apr 11th - Oct 3rd
  - RunLog / MIRA services / dbPlots - up and running

## **General Web Services** — Chris

- US-ATLAS([RT support](#)):
  - Student Census — All development work has been migrated to production; ATLAS is entering content into webform
- SDCC Website:
  - Investigating what real-time monitoring can be added to SDCC website to provide additional value to clients and liaisons
- Miscellaneous:
  - Belle II Drupal site is complete on development. Louis and I will meet with stakeholders to determine next steps



## **Storage / dCache support (RT support)**— Carlos, Qiulan, Matt, Vincent

- **ATLAS**

- FY23 MOU disk pledge deployed (due for April 1st): 31.3 PB
- dc200-dc210 hosts decommissioned
  - ~10PB data migrated
- ATLAS upgrade on March 8 from 9:00 to 15:00 EST
- Webdav doors reconfigured to avoid proxying requests from/to BNL FARM nodes
  - LAN Traffic => door (proxy) => pools vs. LAN Traffic => door (redirect) => pools
- Reviewed IPV4 preference on WAN transfers for dCache
  - Door's sci zone DNS configured to support IPV4/IPV6
  - Disable IPV4 preference on pools (effect when restarting a pool)
- Refactor puppet code (Undergoing)
  - Aim to provide a generic dCache deployment for the new hardware installed with RHEL8/9
- Log collection and analysis
  - (recent and FY2022) dCache billing logs have been loaded into ES
  - Start to collect dCache access logs such as srm, webdavs, etc

- **Pre-production / QOS**

- Preproduction instance now part of ATLAS DDM as OSG-BNL-TEST
  - ATLAS DDM functional tests enabled
  - ATLAS & WLCG auth. token enabled
  - Hammercloud jobs access [pending]
  - Test monitoring for dcache java (JMX) uses **GenericJMX plugin**
- Upgrade the dCache instance to 8.2.15
  - [https://docs.google.com/document/d/1DsjqcMr79MzzYRCJtXYk503x-PXWP\\_UGMt3e-0sR5VY](https://docs.google.com/document/d/1DsjqcMr79MzzYRCJtXYk503x-PXWP_UGMt3e-0sR5VY)
  - Release to be use as candidate for upgrade

- **Dune**

- RT 35283: Transfers using Virtual Organization (VO) extensions failed
  - Issue appeared to be related to a corrupted LCS file update