

Services and Tools Activity Summary

Storage / dCache support (RT support)

- **ATLAS**

- ATLAS tape challenge
 - 1st week data-taking mode: Peak at 7GB/s
 - 2nd week staging mode: Peak at 6 GB/s
- Incidents:
 - HW memory failure on the srm node and mem replacement on Wed.
 - Restarting Doors (Slow efficiency degradation)
 - dCache developers being contacted [rejected PUT: 500 Server Error](#), Task was canceled Error
 - AGLT2 -BNL transfers client related issues [ticket reject GET: 500 server error](#), problem at client side
- IPV6 preference turned off because of [ipv6 to ipv4 redirection issue](#) on pool: Recommendation to upgrade to dCache >= v7.2.11. Pools upgraded to ipv6.
- Investigation of Xrootd protocol for external client write access along with dCache developers, initially reported via dCache github [issue](#) and then being followed on dCache RT ticket [www.dcache.org #10308](#)
- Setup lustre / dcache testbed for ATLAS
 - Total size: 5PB + 5PB
 - Evaluation is undergoing

Data management (RT support)

- Rucio sPHENIX:
 - More rucio server backends configured and integrated them in a HA setup (client changes coming, cvmfs)
 - Pending integration with the PanDA server@cern
 - PanDA account created, storage configured and access validated from PanDA server@cern
- BNLBOX:
 - Production and testbed servers have been upgraded to the latest Nextcloud v23 (and running php 7.4). Investigating web UI instabilities.

General Web Services

- US-ATLAS([RT support](#)):
 - Working with Data Art to get access to US-ATLAS GitLab repository — waiting on IP whitelisting
 - Working with Louis P. on implementing BNL AD authorization with 2FA on US-ATLAS staging
- General SDCC:
 - Learning Keycloak continues
 - Will be working with Matt Cowan/CSI on updating to new framework/versioning