

Services and Tools Activity Summary

Storage / dCache support ([RT support](#))

- **ATLAS**

- 1PB storage commissioned for LAKE related storage
 - Decommissioned two old dcache pool nodes(dc100 and dc101)(07/05/22)
- ZFS modules updated on underlying storage used by dCache pool on dc235 (06/15/22)
- Atlas Billing logs from 2019, 2020, 2021 migrated to NFS based storage for archival
 - /archive/dcache/atlas/billing_logs/ 1.7TB size
- Fixed XRootd WAN access
- Lustre / dcache testbed and evaluation for ATLAS
 - Almost completed the stress TPC transfer testing
 - Some optimization tests combined ZFS recordsize tuning are scheduled
 - Puppetized xrootd-standalone installation and configuration

- **Belle2**

- New dashboard for BillingDB events
- Backup scripts implemented for the main database cluster (chimera,srm,...)
- Some pools stability affected on dcst009 node (06/12/22)
 - Troubleshooting involved requesting feedback to dCache developers ([#10327](http://www.dcache.org))
 - High load on dCache pools related to access of calibration files via xroot
 - Same calibration files were requested 50-60 times by BNL batch nodes
- Testing database upgrade (core services billing)
 - alternatives to distribute current database deployment

Storage / BNLBOX

- Browser/OS dependent connection problems still persisting in the web interface.
- Have received feedback from other users that gives a better sense of good and problematic browsers on various platforms: Checking Keycloak logs and Javascript event stacks to try to determine failure point for login

General Web Services

- US-ATLAS([RT support](#)):
 - Weekly meeting with Data Art 6/12
 - All high priority requests have been delivered by Data Art and are in production
 - Last deployment caused some rendering difficulties on staging and productions; these have been resolved
 - Next meeting with Data Art 7/28

Experiment support activities

- sPHENIX Website / Collaboration Tools
 - Met SPHENIX talk committee members on Sci Tools on Jul 1st - very productive. Most comments and suggestions are implemented, first full set of talks for a major conference is about to be uploaded by Marzia;
 - Talk statistics module for Sci Tools is being developed - pending the formal definition of an “author” status in SPHENIX (status is granted per-paper, with many special cases - making statistics plots over a time range a bit complicated);
- STAR
 - First version of 3-in-1 author list generator change (aka Feb24'22) is implemented and released to the collaboration. Now being reviewed by STAR council and members;
 - MongoDB cluster upgrade is in plans - pending potential licensing issue discussions. Mongo's SSPL requires to opensource all services using MongoDB - cumbersome for STAR online codes and services;
 - New Calibrations DB tables are being added for FCS (Akio);
- NSLS2
 - Add puppet codes to configure in proxy2 and websockets configuration
 - RT tickets: RT tickets: [#34380](#)
 - Reset ISPyB MariaDB Username/Password for users
 - RT tickets: RT#34362