

Services and Tools Activity Summary

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

- **ATLAS**

- 1PB storage has been added and will be used for migration
 - Take one of the OSS node by scaling down Lustre testbed(dc241)(07/18/22)
- Confirm we have increased the default transfer time limit to 6 hours, which has been requested by ATLAS ADC
- Lustre / dcache testbed and evaluation for ATLAS
 - Continue optimization tests via TPC bulk transfer testing
 - The tests combined FTS limits and ZFS recordsize tuning
 - Test and compare the different solutions for dcache Metadata db files
 - Separated ZFS partition with small record size
 - SSD
 - RAM

- **Belle2**

- Preparations for Belle II dcache hardware/software upgrade & maintenance (**Aug 5~ Aug 9**)
 - Database upgrade and migration
 - All new nodes(8 nodes) are ready and configured for dCache
 - All required modules have been ported from the old puppet to the new puppet (v7.17.0) with foreman and RHEL 8.6
 - dCache 7.2.19 is deployed on the new nodes

Storage / BNLBOX

- Updated to latest Nextcloud 24.0.3
- Still some reports of browser/OS dependent connection problems in the web interface, but also reports of greatly improved behavior

General Web Services

- US-ATLAS([RT support](#)):
 - Chris is currently compiling all documentation and deliverables from Data Art and creating a mirror on the SDCC staff-only section
- SDCC Website
 - Developing user acceptance test script with Charity for updates to SDCC website; will be reaching out to select SDCC team members to test updates before they are introduced to production

Experiment support activities

- sPHENIX Website / Collaboration Tools
 - Talk statistics module for Sci Tools is being developed
 - PhoneBook: deployed the pin-less access mode, enabled permission configuration via embedded fields
- STAR
 - Repaired: SoFI database replica went out of sync (data corruption)
 - STAR Sci Tools: adding more email notifications and fields as requested by STAR Council
 - SSH Key Management update: allowed PKI algorithm and minimum key size are config options now
 - Currently set to RSA 2048 bit, will be updated to 3072 next year (as per NIST guidance)
- NSLS2
 - Add puppet codes to configure in proxy1/proxy2 and websockets configuration
 - RT tickets: RT tickets: #34506
 - Add puppet codes to configure in proxy2
 - RT tickets: RT#34577