

Services and Tools Activity Summary

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

- **ATLAS**
 - Increase concurrency migration streams to 50 to speed up the data migration from DMZ pools to internal pools
 - Prepare and complete the HPSS client upgrade
- **DUNE**
 - Commissioned the new hardware
 - Capacity: ~1.7PB
 - Data migration is undergoing
- **Belle**
 - Prepare and complete the HPSS client upgrade
- **QOS**
 - dCache Upgrade 7* → 8.* preparation
 - Testing and pre-productions instance upgraded to 8.2.8 to identify issues:
 - ENDIT archiver/retriever <https://github.com/dCache/dcache/issues/6868> [Fixed]
 - Cleaner cell <https://github.com/dCache/dcache/issues/6879> [Fixed]
 - IPV6/IPV4 issue: XROOT on proxy mode (Prefers IPV6 to proxy transfers to pools) <https://github.com/dCache/dcache/issues/687> [Fixed]
- **Lustre evaluation**
 - Keep in touch with dCache develop team
 - According to the suggestion given by the dCache team, several tests were done to compare the results for third party transfer (TPC)
 - dcache + zfs
 - dcache + zfs (disable encryption)
 - dcache + lustre (mdraid)
 - XRootD standalone + zfs
 - XRootD standalone + lustre(mdraid)

- Discussed with dCache team based the latest test results
 - The lower performance of dCache+ZFS compared to dCache+Lustre is related to the RemoteTransferManager
 - dCache team will investigate more

General Web Services

- US-ATLAS([RT support](#)):
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- SDCC Website:
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Experiment support activities

- sPHENIX
 - Run 1 preparations
 - PanDA database setup and deployment is in works (Dmitry, Carlos, Vincent) - new VMs will be requested next week;
 - Live Event Display: added support for Jets, more development needed for EPD hits
 - Shift Signup service setup was requested - TBC
- STAR
 - Run 23 preparations
 - online database archival and purge has been completed
 - deployed new instances of RunLog, ShiftSignup, dbPlots
 - Latest security updates applied to the online and offline database nodes