Tools and Services Activity Summary

Storage / dCache support ([RT support](#)**)**
- **Cyber security:** Verification polkit rpm upgrade on all dCache instances (Belle2, Dune, sPhenix, ATLAS)
- **ATLAS**
  - Preparation for the coming tape challenge (end of February)
  - New tape interface (endit) being deployed incrementally / adiabatic changes — served 5% of the production
  - Consistency checks between RUCIO, dCache and tape (HPSS)
  - Administrative work: Data rebalancing, etc

- **DUNE**
  - dCache bug affecting automatic loading of renewed certificates
    - Certificates will be updated in 9 days requires rebooting different dCache components

NNSD SET
- **Cyber security:** polkit rpm upgrade on nodes

Data management / Rucio
- sPHENIX: Rucio Instance Service and database deployed via puppet
  - Working on data import / replica file catalog use case
- QoS development: Adding features to align Rucio replication rules with transitions between volatile/non-volatile storages and vice versa

General Web Services
- sPHENIX: theme and template changes have been implemented
- US-ATLAS([RT support](#)): Participated in content management tutorial/user onboarding meeting with Data Art
  - Chris will continue to work with Louis to support US-ATLAS website