IT Services Update - Liaison - 5/4/23

- sPHENIX Lustre upgrade
  - 25 new servers: initial setup last week, will be added to Lustre FS tomorrow or next week
  - 30 existing servers rebuilt earlier this week, Lustre upgraded and back online now
  - Initial upgrade problems resolved:
    - MDT corruption due to client mounts, blocked clients and restored backup to resolve
    - Upgrade bug discovered in version 2.15 that didn't properly convert the object indexes to the new format, required resetoi command to repair.
      - Note: software bug only affects upgrade, will not affect normal running operations
  - Remaining issues:
    - Configure monitoring (Nagios & Grafana)
    - Add 25 new storage servers
    - Multiple raid-6 LUNs lost drives when Lustre was started, resetting them now
- NSLS2: setting up 6 new Lustre servers & storage, and new NFS system
- CVMFS: move sphenix-calibration & stratum-0 mount next week
  - Still resolving issues with stratum-1 replication
- HPC GPFS: plan to resume upgrade next week
- NX: rterm issue was fixed, need more testing to identify any additional problems

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