



Storage Services Administration

CSAID Ops

February 27, 2024

Disk Storage Updates

- **Shared (Public)**

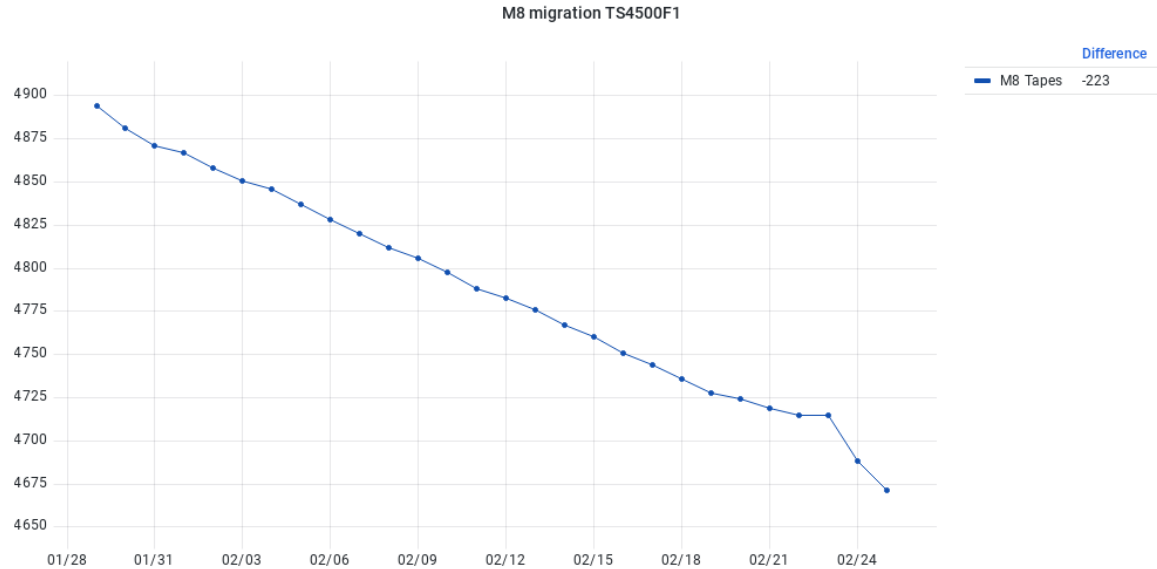
- **Investigation continues:** New dCache pool servers pubstor230[1-12] are not being able to communicate due to network issues.
- **Successful.** Wednesday 21st downtime: patch pools to interoperate with CVMFS better.

- **CMS**

- DC24 finished. T1_US_FNAL_Disk saw peak throughput at 26.5GB/s. Not much stress observed.
- Working in the change request for EOS 5.1.x upgrade (first step to upgrade to 5.2.x)
- No issues with XRootD redirectors.

Tape Storage Updates

- No ongoing critical issues.
- **Successful:** Wednesday 21st downtime. Upgrading drive FW on media changers.



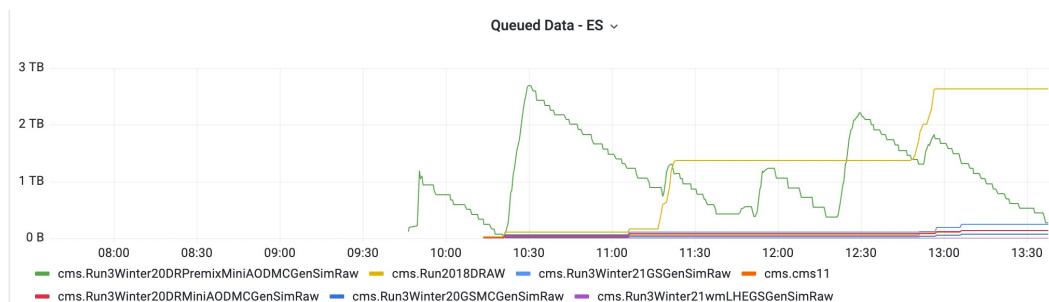
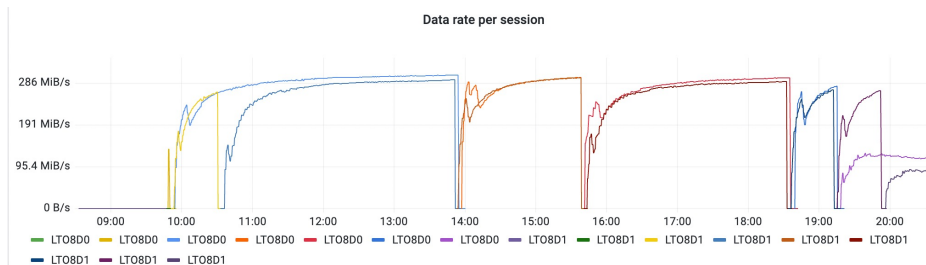
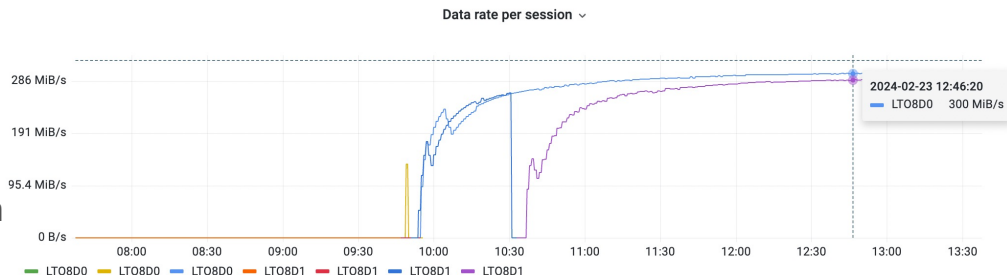
[M8 migration](#) – 4671 tapes left

Tape Storage Updates

- Enstore Alma 8 Migration (Work planned through Mar 11th):
 - Fix test system configuration.
 - Test new Alma 8/Enstore RPMs on one mover. (Early tests over the RPM are being performed)
 - Basic mover test set over the test system.

CTA – 10% Test

- Ran a 2% test
- Got to 320MB/s as a rate
- The above-colored line is one full writing session (mount)
- To get to 10% need more Drives/Movers Leo is working on this
- The amount of Queued data is below
- Moving towards a 10% setup and test
- Need to acquire some information on failure modes that we want to test in the 10% setup



*3rd Wednesday Downtime

- NAS2CEPHFS Migration Progress

| Experiments | Notification | Cut- over day |
|---|-----------------|------------------|
| lar1nd(sbnd), icarus, sbn, mu2e | 11/01/23 | 11/15/23* |
| damic,pip2,darksectorlrd, chips, ebd, mars accel, accelai, admx, noble, emph, cdms, next | 11/15/23 | 11/29/23 |
| theory, e961, argoneut, miniboone, ds50 | 11/22/23 | 12/06/23 |
| nusoft, minerva, minos* | 12/06/23 | 12/20/23* |
| microboone, gm2, nova | 01/03/24 | 01/17/24* |
| annie, lariat, seaquest, geant4 | 01/16/24 | 01/30/24 |
| fermigrid-fermiapp, lbnewc(dune) | 02/07/24 | 02/21/24* |

* Additional steps need to be done for Minos and Minerva.

* Nusoft is on hold - TBC

- We will set data volumes to read-only on March 20, 2024. A general announcement was sent on 02/01.
- We keep reminding experiments that NAS source volumes are reaching EOF this May 2024

- CEPHFS: Nothing to report