Storage Services Administration

CSAID Ops
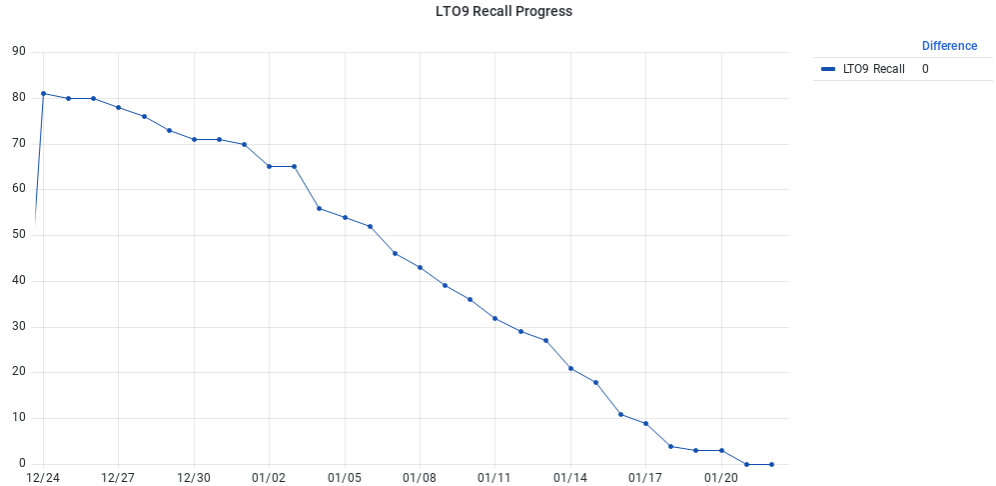
January 23, 2024

Disk Storage Updates

- **Successful** - Wednesday January 17th downtime:

  - Kernel upgrade 3.10.0-1160.105.1

Rafael Rocha – CSAID Ops

❖ Fermilab

Tape Storage Updates

- **Successful** - Wednesday January 17th downtime:

  - Pagg05 change of VLAN

  - Kernel upgrades 3.10.0-1160.105.1

- Friday 19th – **7hr Service degradation**:

  - TFF2 unresponsive media changers

LTO9 Recall Progress

LTO-9 recall - 260/260 cloned)

Rafael Rocha – CSAID Ops

🔷 **Fermilab**

Tape Storage Updates

- Enstore Alma 8 Migration (Work planned through Jan 29th):

  - Fix test system configuration.

  - Test new Alma 8/Enstore RPMs on one mover.

  - Basic mover test set over the test system.

🧲 **Fermilab**

CTA

- Previously:
    - Move tapes into CTA partition (80 x LTO-8)
    - Setup a server for CTA admin commands (ON HOLD – COBBLER INC).
- Now (Work planned through Jan 29th):
    - CTA monitoring/telemetry evaluation.
    - Ramp-up on CTA commands and understand relation with MTX driver (if any).
    - Perform basic CTA functional tests (read, write, format, move)
    - Configuration files clean-up (and understanding)
- Next:
    - Firewall setup.
    - IPv6 config

Rafael Rocha – CSAID Ops

Fermilab

CEPH

- NAS2CEPHFS Migration Progress

*3rd Wednesday Downtime

Experiments	Notification	Cut- over day
~~nusoft~~, *minerva, minos**	*12/06/23*	*12/20/23**
annie,lariat,seaquest,geant4	**01/16/24**	**01/30/24**
Grid/fermiapp,lbnewc(dune), microboone	02/07/24	**02/21/24***

- Additional steps need to be done for Minos and Minerva.
- Nusoft is on hold – Ongoing conversations with the liasons.

- CEPHFS
  - We have deployed the first of the new storage nodes.

NAS to CephFS migration

≋ Fermilab