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Library of Congress Storage Architecture

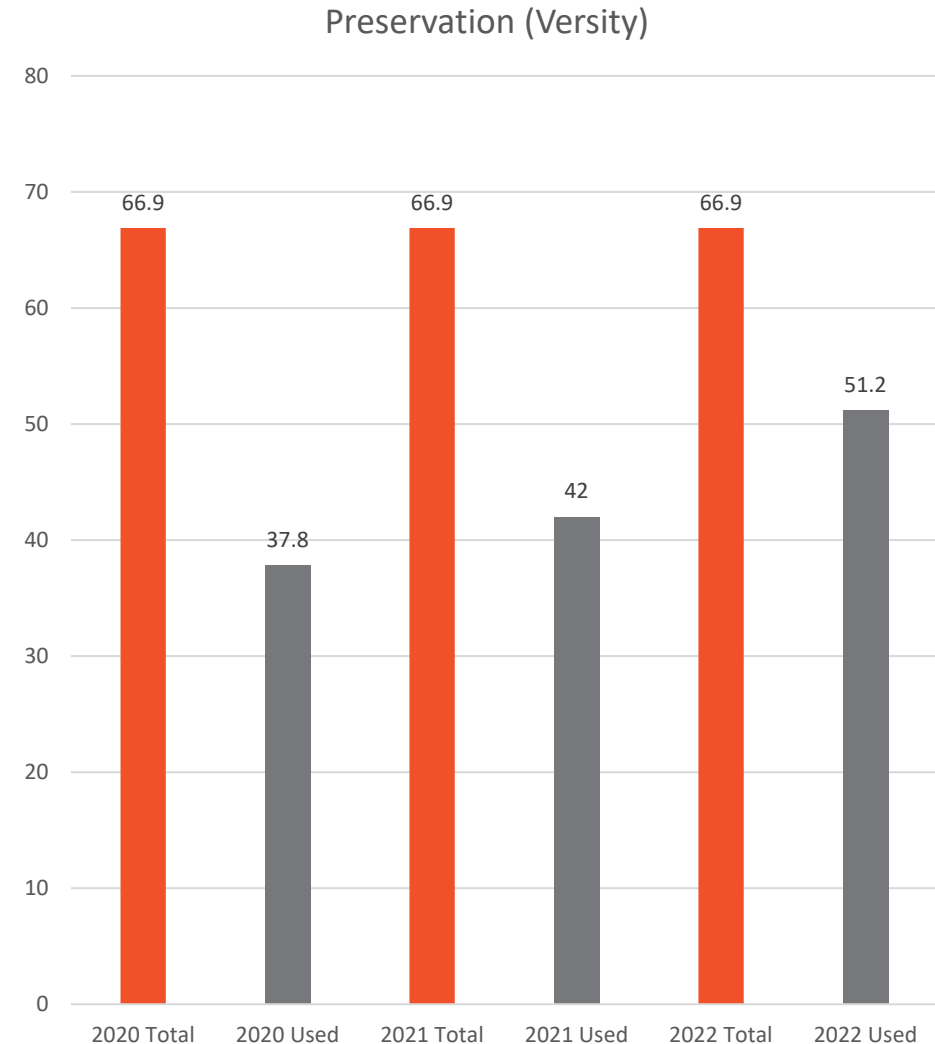
OCIO/ITSO
Production Engineering
and
Operations & Maintenance



Overview

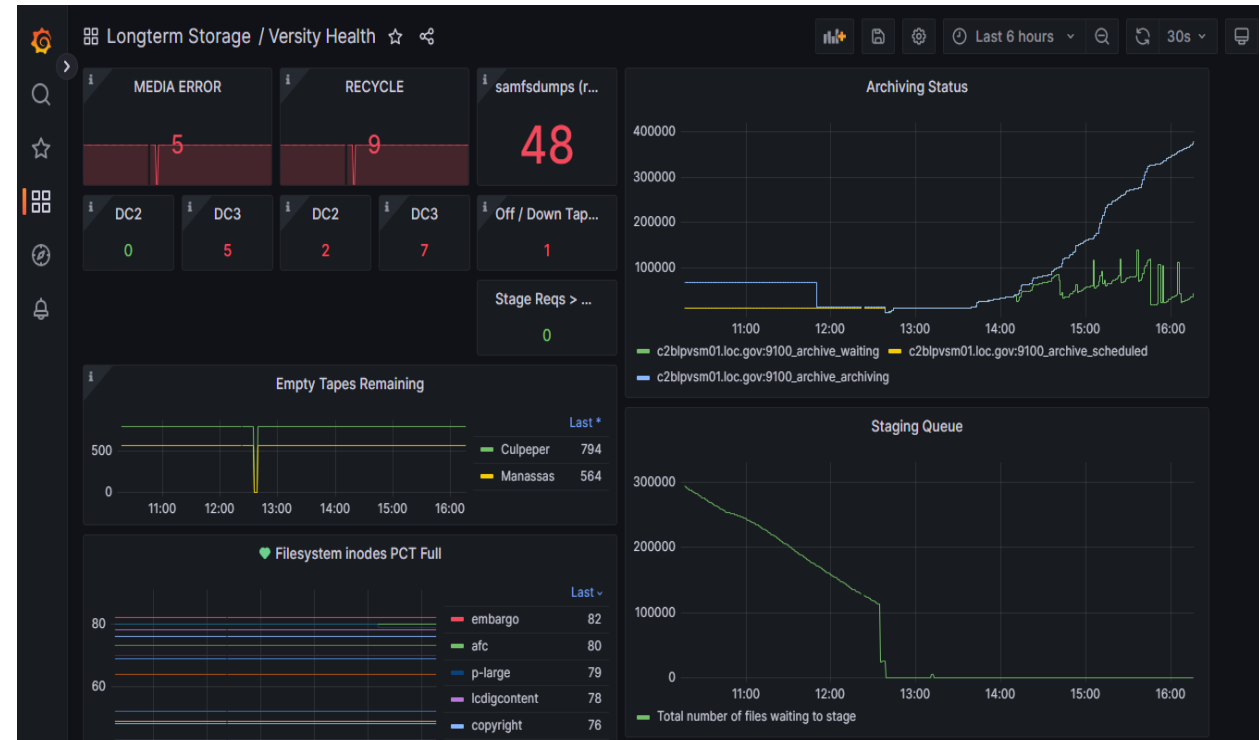
- Updates on Preservation Versity Environment

- Primary long-term, preservation storage platform
- Two-copies: one at DC2 and one at DC3
- Replaced legacy Oracle Hierarchical Storage Manager (OHSM) in 2022



Versity Benefits

- Replaced one-off Solaris configuration with standardized RedHat Linux
- Linux compatibility with ingest agent enabled better performance compared to previous NFS-based model
- Introduction of Prometheus node-exporter and Grafana for dashboards & alerts



Versity Way-Ahead and Challenges

- Upgrade to Versity 2.0 to integrate RHEL8 and explore new features such as object-based gateway and larger inode space
- Introduction of LTO-9
- Lifecycle replacement of tape libraries
- Integration with Content Abstraction Layer software
- Replication of preservation data to cloud

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Questions?

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Thank you!

For More Information

Web: <https://digitalpreservation.gov/meetings/>

Points of Contact

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