Digital Preservation Services Webinar Series, Part 1

Digital Preservation Services at TDL
with Courtney Mumma, Services Manager
Digital Preservation Webinar Series

30 minutes each with open Q&A

- Today - Overview of Digital Preservation Services at TDL

- October 6, 3pm - DuraSpace’s Heather Greer Klein on DuraCloud
- November 3, 2pm - Executive Director Mary Molinaro on DPN
- November 10, 2pm - UCSD Digital Preservation Analyst Sibyl Schaefer on Chronopolis
Digital Preservation Storage is an essential part of a comprehensive digital preservation program.
How it works

Your local digital preservation workflows and procedures.

Digital Preservation Storage via DuraCloud@TDL

- Content is ingested into TDL DuraCloud and passes through Amazon S3.
- Copies may remain in S3 only and/or be stored in any combination of S3, Amazon Glacier, Chronopolis, and the Digital Preservation Network.

tdl.org
Grid of Digital Preservation Services
Storage Options

https://tdl.org/digital-preservation/

<table>
<thead>
<tr>
<th>Digital Preservation Storage options via DuraCloud@TDL</th>
<th><strong>Chronopolis</strong></th>
<th><strong>DPN</strong></th>
<th><strong>Amazon S3</strong></th>
<th><strong>Glacier</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><em>Non-commercial, rooted in cultural heritage community</em></td>
<td><em>Non-commercial, rooted in cultural heritage community</em></td>
<td>Commercial</td>
<td>Commercial</td>
</tr>
</tbody>
</table>
# Grid of Digital Preservation Services

## Storage Options

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<table>
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<tr>
<th>Geographic Distribution</th>
<th>Chronopolis</th>
<th>DPN</th>
<th>Amazon S3</th>
<th>Glacier</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Any three from the following technologically diverse partner nodes: UCSD, TDL, UMIACS, and NCAR</td>
<td>Any three from the following technologically diverse partner nodes: HathiTrust, APTTrust, Chronopolis, Texas Preservation Node (TPN)</td>
<td>Amazon East</td>
<td>Amazon East</td>
</tr>
</tbody>
</table>

[tdl.org](https://tdl.org)
# Grid of Digital Preservation Services

## Storage Options

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<tbody>
<tr>
<td><strong>File Fixity and Data Integrity</strong></td>
<td>DuraCloud@TDL MD5 hashes on upload.</td>
<td>Fixity check type varies per node.</td>
<td>DuraCloud@TDL MD5 hashes on upload.</td>
<td>DuraCloud@TDL MD5 hashes on upload.</td>
</tr>
<tr>
<td></td>
<td>Chronopolis checks SHA-256 hashes every 30 days or as specified by member, not to exceed 6 months.</td>
<td>DuraCloud@TDL MD5 hashes on upload.</td>
<td>Amazon does some combination of MD5 hashes and cyclic redundancy checks (CRCs) with unspecified regularity, on upload, and when content is moved.</td>
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[tdl.org](http://tdl.org)
Which ones for what stuff?

- **DPN**
  - 20 year commitment
  - Not likely to pull it out unless there is a catastrophe
  - Continuity in perpetuity in case of institutional failure

- **Chronopolis**
  - Shorter commitment (but flexible)
  - May be better for inactive temporary storage, bulk research data, software

- **Amazon S3 and Glacier**
  - Commercial alternatives
# DP Storage Costs & Allotments

<table>
<thead>
<tr>
<th></th>
<th>Chronopolis</th>
<th>Amazon Web Services</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>S3</td>
</tr>
<tr>
<td><strong>TDL Regular Members</strong></td>
<td>Base membership fee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>+ $2,500 / year</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2TB/year included*</td>
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<tr>
<td></td>
<td></td>
<td>additional storage available</td>
</tr>
<tr>
<td></td>
<td></td>
<td>for annual storage fees per TB</td>
</tr>
<tr>
<td><strong>Non-member DigiPres Affiliates</strong></td>
<td>$5,000 / year</td>
<td>1TB/year included*</td>
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<tr>
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(*one-time setup fee of $1,000)
DP Storage Costs & Allotments

- Chronopolis and AWS rates after member allotment

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<td></td>
<td></td>
<td>S3</td>
</tr>
<tr>
<td>Annual Storage Fee per TB</td>
<td>$165</td>
<td>$285</td>
</tr>
<tr>
<td>Fee for Data In per TB</td>
<td>$120*</td>
<td>$0</td>
</tr>
<tr>
<td>Fee for Data Out per TB</td>
<td>$120</td>
<td>$120</td>
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DP Storage Costs - DPN

DPN membership fee of $20,000/year is waived for TDL members

- Regular Members and DP Affiliate Members have access to the Digital Preservation Network (dpn.org)
- No setup fee
- No module cost
- Storage fee is one-time

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<th>DPN Service</th>
<th>Fee</th>
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<tr>
<td>TDL Regular members or Non-Member DigiPres Affiliates – one time fee per 1TB (covers 20+ years of storage)</td>
<td>$2,750/TB</td>
</tr>
<tr>
<td>Annual Storage Fee per TB</td>
<td>$0</td>
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<td>Fee for Data In per TB</td>
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Much of the work comes \textit{before} storage.
Expanded Digital Preservation Services

DPS Membership includes:

- Consulting with digital preservation expert and archivist on digital preservation strategy and workflows (1 full day in person for regular members, plus remote as needed)
- Audit support and assistance
- Prime, discounted access to digital preservation training and special events
- Participation in a managed community of libraries and archives engaged in digital preservation
- Opportunities for leveraging shared resources and programs, including shared workflows, inventory tools and documentation

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Shared resources

https://tdl.org/members/resources#digipres

- New template for Content Inventory and Prioritization
  - Assess content requiring differing levels of preservation actions and storage
- Collecting workflows and use cases from member institutions
  - Help mitigate replication of labor and share options for linking local procedures and systems to shared services
TXLoP

- Deep analysis of where TDL members “rank” using NDSA Levels of Preservation
- Based on consultations
- Our position in TEXAS, Nationally and Internationally

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DPMW@TRINITY
Digital Preservation Management Workshop
July 22 – 28, 2018
San Antonio, Texas
Seats are limited!
Early registration and discount for TDL Members
Presented by Nancy McGovern
in collaboration with:
MIT Libraries
Trinity University Coates Library
TEXAS DIGITAL LIBRARY
Registration coming soon!
Digital Preservation Workflow Curriculum Now Available

July 31, 2017

In response to DPN members’ concerns around the issues of workflow for digital preservation, DPN worked with AVPreserve to develop a digital preservation workflow curriculum to share with DPN members and others in the digital preservation community. The curriculum is being released with a Creative Commons 4.0 Attribution Share Alike (CC-BY-SA) license. (License details here.)
archivematica Camp

https://wiki.archivematica.org/Community/Camps

- University of Houston
- Fall of 2018
- Texas Archivematica User Group - A-TEX - Google forum:
  https://groups.google.com/forum/#!forum/texas-archivematica-users-group
DP Services Roadmap


- Broken down into TDL’s goals and aspirations in:
  - Technical Services
  - Shared Resources
  - Training
Thanks and ask me anything!

- c.mumma@austin.utexas.edu
- @lookouthoney
- TDL Digital Preservation list: tdl-digipres@utlists.utexas.edu
  - Send an email message To: sympa@utlists.utexas.edu. Subject line: subscribe tdl-digipres firstname lastname, where firstname lastname is your actual first and last names. Leave the body of the message blank, including any signature lines. (delete any signature lines if they are automatic)
  - Click in the left column to Subscribe at https://utlists.utexas.edu/sympa/info/tdl-digipres