



Session: Power in Numbers: Digital Preservation Networks
Texas Digital Library and Digital Preservation Networks
#r2e DigiPres session, Pittsburgh, PA
Courtney Mumma, Services Manager



NBC's *The Office*. Full citation in alt-text.

Session: Power in Numbers: Digital Preservation Networks
#r2e DigiPres session, Pittsburgh, PA

Ryan Steans, Assistant Director, and Courtney Mumma, Services Manager

(Special Halloween edition)

Texas Digital Library

Capacity as a collective

- preservation, management, access

FOSS software as a service

- Dspace, OJS, Vireo, Dataverse,
DuraCloud@TDL, DPN, Chronopolis, *DPLA*,
Hyku

Community programs / working groups

22 regular and affiliate members

9 positions - we're also **HIRING!**

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Digital Preservation at TDL, *a ghost story*



From *Ghostbusters*. Full citation in alt-text.



RIP: development of “texas
preservation network” 2008-10

DPN 2012

DuraCloud 2015

Chronopolis 2017

Digital Preservation at TDL *reanimated*



Added Digital Preservation
expertise in the form of
Courtney (Archivematica, DPMW, Internet
Archive, etc...) to reframe and
expand program



From *Kanye West—Reanimator*, Joshua Chaplinsky's literary mashup. Full citation in alt-text.

Digital Preservation Services

disclaimer thing



TDL Digital Preservation Services
offers only parts of a complete
DP “solution” (storage,
management, advice, guidance,
planning and local program support)



Thing from the Addams Family. Full citation in alt-text.

Digital Preservation Storage Networks



DURACLOUD™@TDL



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DuraCloud@TDL stabilization & alignment



In-step with DuraSpace development - 6-month process

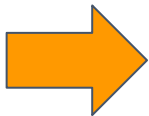
Update procedure and member communications

Contribute to DuraSpace in sustaining and improving the core software

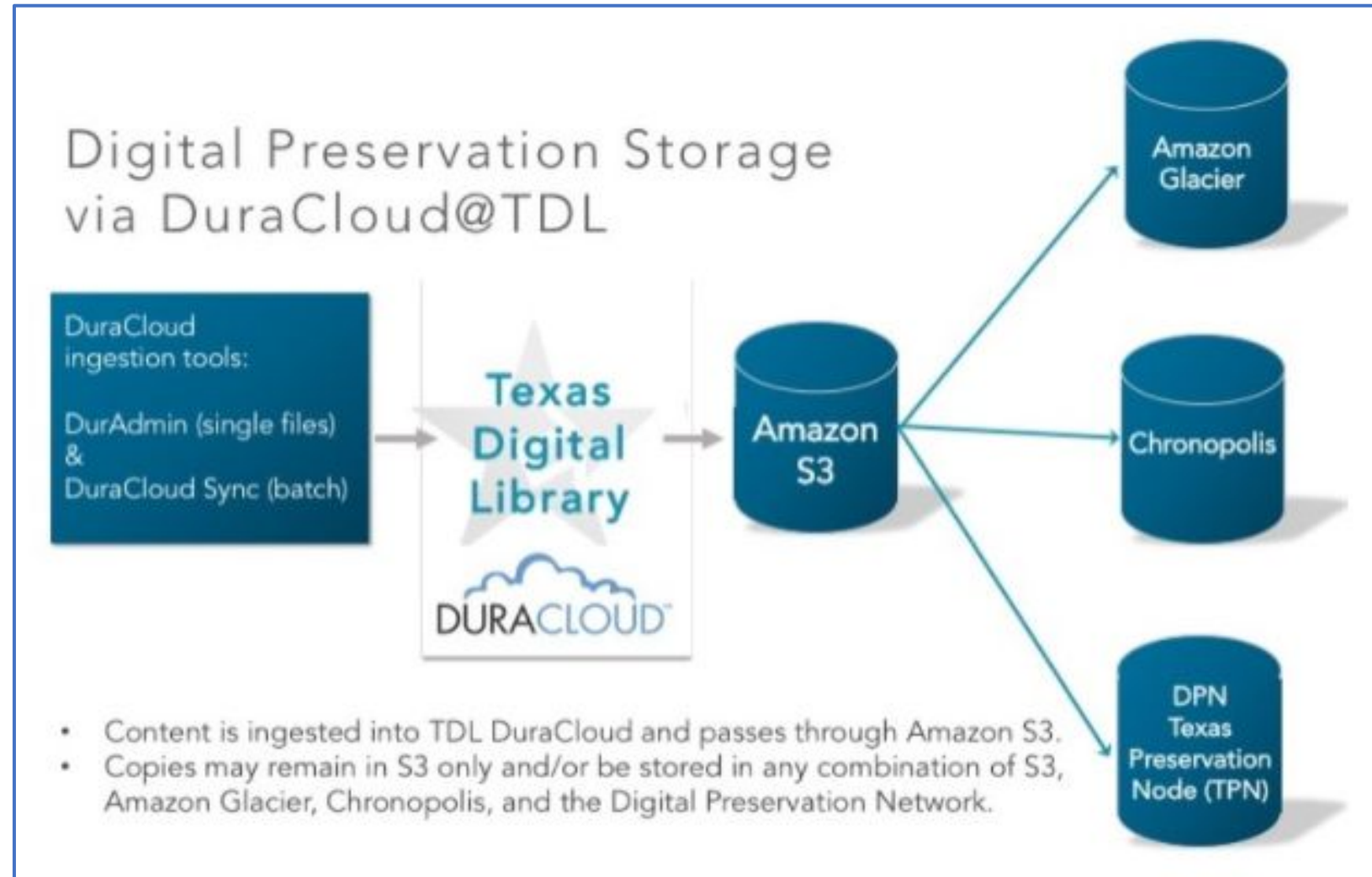
Digital Preservation Services at TDL



Bride of Frankenstein. Full citation in alt-text.



TDL members' local
digital preservation
workflows and
procedures.



Clarifying DP Storage choices

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



Digital Preservation Storage options via DuraCloud@TDL	Chronopolis	DPN	Amazon S3	Glacier
	<i>Non-commercial, rooted in cultural heritage community</i>	<i>Non- commercial, rooted in cultural heritage community</i>	<i>Commercial</i>	<i>Commercial</i>

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Clarifying DP Storage choices

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Digital Preservation Storage options via DuraCloud@TDL	Chronopolis	DPN	Amazon S3	Glacier
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Geographic Distribution	Any three from the following <i>technologically diverse</i> partner nodes: UCSD, TDL, UMIACS, and NCAR	Any three from the following <i>technologically diverse</i> partner nodes: HathiTrust, APTrust, Chronopolis, Texas Preservation Node (TPN)	Amazon East	Amazon East
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Clarifying DP Storage choices



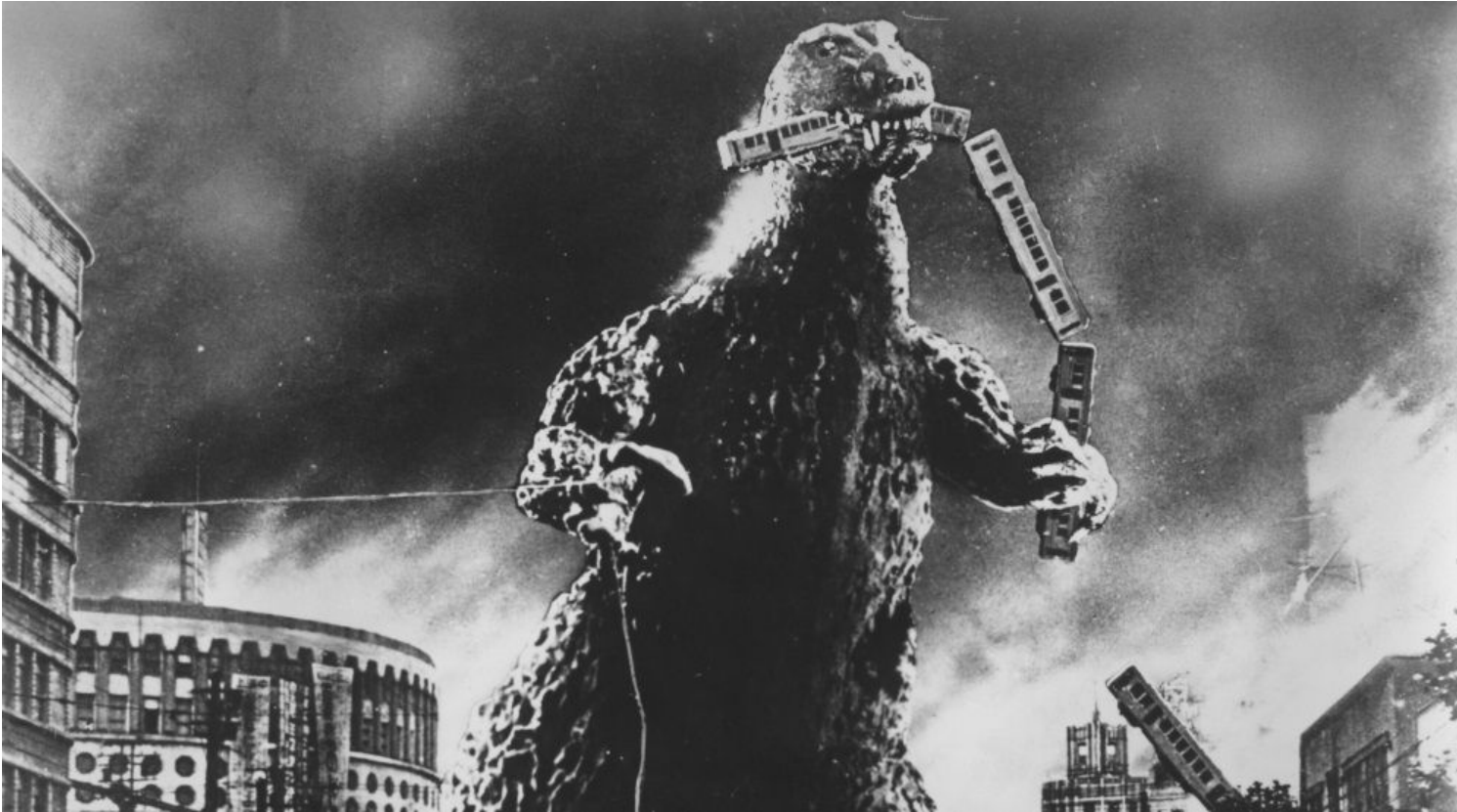
	Chronopolis	DPN	Amazon S3	Glacier
File Fixity and Data Integrity	<p>DuraCloud@TDL MD5 hashes on upload.</p> <p>Chronopolis checks SHA-256 hashes every 30 days or as specified by member, not to exceed 6 months.</p>	<p>Fixity check type varies per node.</p> <p>DuraCloud@TDL MD5 hashes on upload.</p> <p>The Texas Preservation Node (TPN) creates SHA-256 hashes which are checked at least once per year.</p>	<p>DuraCloud@TDL MD5 hashes on upload.</p> <p>Amazon does some combination of MD5 hashes and cyclic redundancy checks (CRCs) with unspecified regularity, on upload, and when content is moved.</p>	<p>DuraCloud@TDL MD5 hashes on upload.</p> <p>Amazon does some combination of MD5 hashes and cyclic redundancy checks (CRCs) with unspecified regularity, on upload, and when content is moved.</p>

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

DPN TPN - Texas Preservation Node



Currently at ~33 TB with
~167 TB remaining space
Participating in **large bag**
and **peer-to-peer** business
model pilots

Digital Preservation Services = Storage *Plus*



- **Consulting** with digital preservation expert and archivist on digital preservation strategy and workflows
- **Audit** support and assistance
- Prime, discounted access to digital preservation **training** and special events
- Opportunities for leveraging **shared resources** and programs, including shared workflows, **collection assessment tools** and documentation

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



- Observation of how TDL members rate functionally using NDSA Levels of Preservation
- Based on consultations with 15 members
- Help to wisely select areas of collaboration and collective benefit

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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:

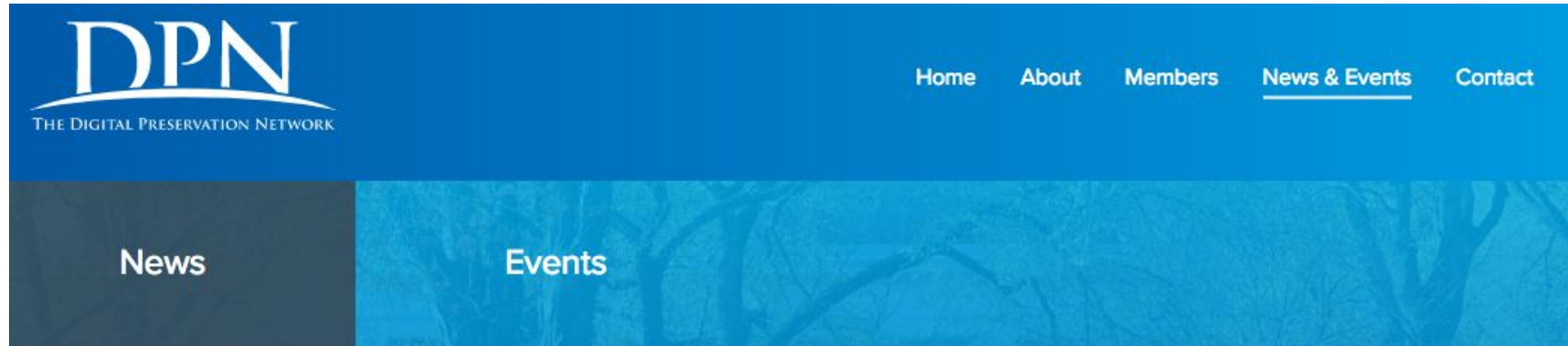
MIT Libraries

Trinity University Coates Library

TEXAS DIGITAL LIBRARY

Registration coming soon!

DPN DP Workflow Curriculum



All DPN Meetings Updates Newsletter

Updates

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](#).)

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@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-use
rs-group](https://groups.google.com/forum/#!forum/texas-archivematica-users-group)



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Questions and Discussion



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<https://tdl.org/digital-preservation/digital-preservation-services-roadmap/>

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