
Martha Sites
Deputy University Librarian
University of Virginia
The Problem

“The scholarship that is being produced today, both print and digital, is at serious risk of being lost forever to future generations.”
What we believe

• Universities don’t have a cost-effective, fail-safe way to preserve the scholarly record

• Preservation repositories exist but are often single points of failure

• The rapid growth of digital scholarship and research exacerbates the problem
Don’t solutions already exist?
Other vulnerabilities...

Natural Disasters (Katrina or Sandy)

Then....
the Library of Alexandria
And now...
The Bibliotheca Alexandrina

17 Dot Com failures and their modern counterparts
27th October 2011 by Harrison Weber
The Current State is a Recipe for Disaster
a solution based on collaboration

ACADEMIC PRESERVATION TRUST
APTrust is...

a consortium committed to creation and management of an aggregated preservation repository
APTrust Founding Partner Institutions

Duke University
Emory University
Johns Hopkins University
University of Maryland
University of North Carolina
N. C. State University
University of Virginia

Columbia University
University of Michigan
University of Notre Dame
Stanford University
Syracuse University
<table>
<thead>
<tr>
<th>APTrust Services</th>
<th>Aggregation Repository</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Replicating Node for DPN</td>
</tr>
<tr>
<td></td>
<td>Preservation Services</td>
</tr>
<tr>
<td>APTrust Future Possibilities</td>
<td>Hosted repository services</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td></td>
<td>Disaster recovery access services</td>
</tr>
<tr>
<td></td>
<td>Format migration services</td>
</tr>
<tr>
<td></td>
<td>Repository developer community</td>
</tr>
<tr>
<td></td>
<td>Best practices for content types, etc.</td>
</tr>
</tbody>
</table>
APTrust: a unique collaboration
How are we doing?

- Advisory group formed in 2012
- Each partner has invested $20,000/year (2 yrs.)
- U.Va. is dedicating 3.0 staff through 2014
- On track to be in full production by Jan 2014
How does APTrust fit into the landscape?

THE PRESERVATION LANDSCAPE
The Emerging Digital Preservation Stack

Code
May 2, 2013
The Emerging Digital Preservation Stack

DPN Backbone

Digital Preservation Network

Code

May 2, 2013

Irods
LOCKSS
DSpace
Fedora
Etc.
The Emerging Digital Preservation Stack

Preservation Repositories
- Texas ACC
- Stanford Digital Repo.
- APTtrust
- Hathi-trust
- Chronopolis

Backbone
Digital Preservation Network

Code
- Irods
- LOCKSS
- DSpace
- Fedora
- Etc.

May 2, 2013
The Emerging Digital Preservation Stack

Preservation Repositories:
- Texas ACC
- Stanford Digital Repo.
- APTrust
- Hathi-trust
- Chrono-polis

Backbone:
Digital Preservation Network

Code:
- Irods
- LOCKSS
- DSpace
- Fedora
- Etc.

May 2, 2013

Internet Archive
CLOCKSS
Portico
Meta-Archive
The Emerging Digital Preservation Stack

Access Services
- DPLA
- Sloan Digital Sky
- CRL
- Institutional Repo.
- Publishers

Preservation Repositories
- Texas ACC
- Stanford Digital Repo.
- APTrust
- Hathi-trust
- Chrono-polis

Backbone
- Digital Preservation Network

Code
- Irods
- LOCKSS
- DSpace
- Fedora
- Etc.

May 2, 2013
The bottom line...

- Success requires investment in multiple efforts
- Cost is a part of the picture
- We need solutions produced by and for the academy
- We’ll go farther by working together than going it alone
What’s in it for you?

APTrust partners speak ...