Academic Preservation Trust

a consortium committed to digital preservation
The scholarship that is being produced today, both print and digital, is at serious risk of being lost forever to future generations.
What we know...

- 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 means we must act now to preserve born-digital content.
Then… “The loss of the ancient world's single greatest archive of knowledge, the Library of Alexandria, has been lamented for ages….” The Burning of the Library of Alexandria by Preston Chesser

And now… The Bibliotheca Alexandrina, which helped provide young people with access to computers and social media during Egypt's January 2011 protests, is now facing its own upheaval.

A few Vulnerabilities …
Isn’t someone already doing this?
<table>
<thead>
<tr>
<th>Columbia University</th>
<th>University of North Carolina</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duke University</td>
<td>Notre Dame</td>
</tr>
<tr>
<td>Emory University</td>
<td>North Carolina State University</td>
</tr>
<tr>
<td>Johns Hopkins University</td>
<td>Stanford University</td>
</tr>
<tr>
<td>University of Maryland</td>
<td>Syracuse University</td>
</tr>
<tr>
<td>University of Michigan</td>
<td>University of Virginia</td>
</tr>
</tbody>
</table>
Community at Work

- The Librarians
- Content & Technical
- Implementation Partners
### APTrust Governance: Advisory Group

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pat Steele</td>
<td>Maryland</td>
<td>Dean of Libraries</td>
</tr>
<tr>
<td>Winston Tabb</td>
<td>Johns Hopkins</td>
<td>Dean of Libraries</td>
</tr>
<tr>
<td>Suzanne Thorin</td>
<td>Syracuse</td>
<td>Dean of Libraries</td>
</tr>
<tr>
<td>Greg Jansen</td>
<td>UNC</td>
<td>Technology Liaison</td>
</tr>
<tr>
<td>Greg Raschke</td>
<td>NC State</td>
<td>Ingest Liaison</td>
</tr>
<tr>
<td>Donna Tolson</td>
<td>UVa</td>
<td>Project manager</td>
</tr>
<tr>
<td>Martha Sites</td>
<td>UVa</td>
<td>Ex-officio</td>
</tr>
</tbody>
</table>
Meeting the Demand

Need
• Cost Effective Disaster Recovery
• Aggregated Content
• Long Term Preservation
• Tools & Practices

Enhanced Preservation Strategy
• DR Storage, Tools and Audit Capability
• Aggregate Repository
• Entry to DPN for long term preservation
• Platform for Consortia Work
Uniqueness

- Disk Storage
- DuraCloud
- HathiTrust
- DPN
  - Levels of Preservation
  - Organization Models
  - Threat Protection
Initial Focus

- Organizational Governance
- Funding and Resources
- Content Strategy
- Technical Architecture
- Implementation
Looking toward Dec, 2013

- Growth Plan
- Policies
- Sustainable Financial Plan
- Stabilization – working out the kinks
- Service Growth – what’s next
- Planning - Consortia development opportunities
Architecture Deep Dive

- Ingest
- Aggregation
- Administrative Tools
- Where are we with DPN
Institutional Activity

The University of Virginia has 44 packages containing 1,200 objects, using 300GB of storage.

- **22 packages** are DPN Bound
- **20 packages** are Public
- **12 packages** are Private
- **12 packages** are Institution Only
- **2 packages** have Failed Health Checks

Browse University of Virginia Packages

Monthly Activity

Recent Ingests

- **Speeches (MP3)**
  - Started Today 6:45 am by Thomas Jefferson
  - 500 MBs of 1.2 GBs

- **Scanned Letters**
  - Started Today 6:45 am by Thomas Jefferson
  - 500 MBs of 1.2 GBs

- **Boston Tea Party Photostream**
  - Started Today 8:45 am by Thomas Jefferson
  - 3/4 packages failed

- **Declaration of Independence**
  - Started Today 8:45 am by Thomas Jefferson
  - 4/4 packages totalling 1.2GB ingested successfully. View Objects
mockup 2

University of Virginia

Filter results by

- Ingest Date Range
  - from / / to / / 

- DPN Bound
  - Yes  No

- Access
  - Health Check

Package Alpha
50 Objects | University of Virginia | Added 09/15/2012

Last Health Check: 10/01/2012  10:00 AM

Package Beta
50 Objects | University of Virginia | Added 09/15/2012

Last Health Check: 10/01/2012  10:00 AM

Package Delta
50 Objects | University of Virginia | Added 09/15/2012

Last Health Check: 10/01/2012  10:00 AM

Package Gamma
50 Objects | University of Virginia | Added 09/15/2012

Last Health Check: 10/01/2012  10:00 AM
### Package Delta

- **Last Health Check:** 10/01/2012 10:00 AM
- Ingested: 10/01/2012 10:00 AM by Thomas
- Modified: 10/01/2012 10:00 AM by James Madison

### My Object Title #2

**Object Properties**

<table>
<thead>
<tr>
<th>Prop Name</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prop Name A</td>
<td>Value A</td>
</tr>
<tr>
<td>Prop Name B</td>
<td>Value B</td>
</tr>
<tr>
<td>Prop Name C</td>
<td>Value C</td>
</tr>
<tr>
<td>Prop Name D</td>
<td>Value D</td>
</tr>
</tbody>
</table>

**Data Streams**

- **Default Dublin Core Record**
  - created: 2004-12-10T00:21:58.000Z
  - 488 bytes
  - text/xml

- **Fedora Object-to-Object**
  - created: 2004-12-10T00:21:58.000Z
  - 752 bytes
  - text/xml

- **Image of Pavilion III, University of Virginia**
  - created: 2004-12-10T00:21:58.000Z
  - 752 bytes
  - image/x-mrsid-image

**Labels**

- mockup 3

**Like**

Be the first to like this

**Labels**

None

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Next Steps

- Welcome to Scott Turnbull
- Milestones
  - Implementation
  - Meetings — ARL & APTRust Partner
  - Organizational
Learn more at aptrust.org