A webinar for Texas Digital Library members

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● What is at stake?
● How DPN got started and what we are working on
● What are the next challenges?
Without preservation all of your activities and efforts to make content available are at risk.
The newer the media, the more fragile it is….
How will we ensure that the digital assets created in our institutions are available to scholars in the future?
We must protect against:

• Natural disasters

• Technological failure

• Institutional failure
Despite our best efforts only a fraction of what should be preserved *is* being preserved
What does a solution look like?

1. Geographically distributed
2. Replication
3. Audit and repair
4. Technological diversity
5. Meet best practices for repositories
6. Succession agreements
DPN started with nothing but a big idea
Membership

- 60 universities came together with financial support
- $20,000 per year for 3 years to start
- Research and development
- Start an endowment
An Endowed Business Model:

- Pay once
- Content preserved for 20 years
- Funds invested to pay for long-term preservation
Technical design

- DPN Nodes are located in different regions
- Content ingested to one Node
- Content is registered and replicated in 2 other Nodes
- Checked regularly for fixity
DPN Nodes
The challenges:

Technical
Legal
Business
Next biggest stumbling block?
How to develop a workflow
Develop a curriculum
Preserving the historical record for this and future generations.
The first challenge was developing distributed dark preservation supported by audit and succession.
Move forward from building infrastructure to solving biggest challenges with digital preservation
5TB-100 TB Collections
5TB-100 TB Collections
100 TB- PB+ Collections

5TB-100 TB Collections
Issues for very large collections

- Size of deposits
- Data movement
- Capacity of partners
- Cost
New DPN Service in 2018

- New DPN solution for audio & moving image collections
- Multi PB capacity
- Low cost for long term preservation
Issues for small collections

- Lack of technical infrastructure
- No dedicated staff
- Lack of training
- Cost
Solutions for small collections

• Developing tools and hosted solutions
• Helping with workflows
• Training
• Reducing costs
Create

Scan documents

Preserve
Create Image to standards Preserve
Create

Use a naming convention and add appropriate metadata

Preserve
Create

Save master files in a place where they are backed up

Preserve
DIGITAL PRESERVATION NETWORK

Create

Deposit in a repository as opposed to just back ups

Preserve
Create

Have files in 3 geographic locations

Preserve
Create

Preserve

Test the system to make sure it is working
What are the other big digital preservation challenges?
• Scalable and automated metadata collection
• Format migration
• Containing costs for massive collections
• Continued focus
Without preservation all of your activities and efforts to make content available are at risk.
What will it take for information to be sustainable over time?
What will it take to be sustainable?

- Continually examine new technologies and models
- The ability for nodes to come and go
- Members bringing skills and expertise to the table
- A good Board
What will it take to be sustainable?

- Continued engagement
- Creative solutions
- Resources
- Partnerships
Thanks!

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