Overview of Today’s Talk

• Introductions
  ○ Meet the DPN Leadership Team

• What is DPN
  ○ How it works

• Technical & Architectural Overview
  ○ Walkthrough of Technical Components & Soft Launch

• Services Overview
  ○ What to expect in the next few months

• Business Update
  ○ Initial ingest allocations & new working groups
Evviva Weinraub – Services Manager

- Responsible for defining and communicating DPN services
- Manage the institutional processes necessary for success
- Work with DPN service providers to define, build and maintain services
- Work with DPN membership

Contact Me: evviva@dpn.org
Steve Morales – Chief Business Officer

- Develop sustainable economic model
- Research and procure alternative funding sources
- DPN financial management
- Strategic planning
- Membership support

Contact Me: [steve.morales@dpn.org](mailto:steve.morales@dpn.org)
Dave Pcolar – Technical Manager

- Coordinates DPN Technical Development
- Monitors & coordinates DPN architecture
- Coordinate tests, challenging the DPN infrastructure to resolve issues of scale, efficiency, and data integrity
- Manage technical verification & auditing for the DPN infrastructure
- Define & manage the documentation process to ensure that technical specifications, protocols, and best practices are consistent and shared appropriately

Contact Me: dave@dpn.org
DPN Technical Partners

Ingesting/Administrative & Replicating Nodes

• Academic Preservation Trust (APTrust)
• Chronopolis/DuraSpace
• Stanford Digital Repository (SDR)
• University of Texas Data Repository (UTDR)
• HathiTrust
What Does DPN Do?

- Establishes a network of heterogeneous, interoperable, trustworthy, preservation-level dark archive (darkive)
- Replicates content across the network, to multiple nodes
- Enables restoration of preserved content to any node due to data loss, corruption, disaster, or other catastrophic event
Pathways to Ingestion

Your Content → DPN Bag → Ingesting Node
In Case of Catastrophic Loss…
Content Restoration

DPN Node

Your Content

DPN Bag
Architectural Overview

• Architectural Premise
  • Core capabilities founded on proven institutions & repositories
• Design Considerations
  • Distributed Nodes, loosely coupled
  • Standards & protocol-based integrations
  • Separate implementations
  • Distributed infrastructure
• Outcome is a safe preservation environment – Darkive!
Current State of Affairs

• Successful Pilot/Proof of concept run in late 2014
  • Baggit submission
  • Ingestion
  • Replication
• Working on implementing Agile methodologies across development team
What is included at soft launch?

- Aiming for a July 1, 2015 soft launch
  - Depositor will be able to give us stuff and we can put it into storage
  - Some cursory reporting available to Depositor
  - Ability to replicate content from the Ingest Node to all Replicating Nodes
  - Ability to restore content on request
  - Replicated inventory of items in DPN
  - Fixity checks on ingest & replication
What’s NOT in Launch

…but we have time-lined out for this year

• Signed, reviewed, & accepted SLA’s with member institutions
• Business model released to community
• Production capacity content ingestion
• Clear idea of Node storage capacity & timelines for infrastructure onboarding
• Cost models with Ingesting/Administrative Nodes
• Ongoing fixity checks
• Reporting dashboard
Service Level Agreement

- Definition of what DPN is & offers
- Agreement Overview
- Goals & Objectives
- Stakeholders
- Service Agreement
- Service/Content Management
- Content Ownership
Individual Member Meetings

• Survey will go out to membership in late April for review at our call
• Be sure you’ve internally identified 3 individuals at your institution who are connected with DPN work
• Think about:
  • What you’re going to want to initially ingest
  • What you need to be ready for ingestion
    • What you need to do
    • What you need from DPN
  • When you’ll be ready to start ingesting
Site Visits

- Steve, Dave, & Evviva will be visiting sites that have not been visited before

- July, August, and Fall – we’ll be in touch in the next few weeks
Monthly Member Calls

• May Calls
  • Friday, May 15th
    • 3 – 4pm EST/12 – 1pm PST
  • Monday, May 18th
    • 12 – 1pm EST/9 – 10am PST

• June Calls
  • Tuesday, June 16th
    • 12 – 1pm EST/9 – 10am PST
  • Monday, June 22nd
    • 3 – 4pm EST/9 – 10am PST
Pathways for Communication

- Calendar of events
  - Where you can find DPN Leadership Team at upcoming conferences & events to facilitate easier scheduling
- Updating the website & the wiki
  - New information, new look & feel, and information reorganization
- Social Media
  - Increasing our presence through various social media platforms
Long-Term Preservation Sustainability

The Challenge of Digital Preservation

- Revenue
- Expenses

$0
$5,000,000
$10,000,000
$15,000,000
$20,000,000
$25,000,000

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Next Steps...

- Validation of anticipated expenses incurred by DPN Nodes
- Validation of proposed DPN usage from members given:
  - a $20,000 membership fee
  - estimated 5 free TBs per year for the first six years
  - estimated one-time payment of $5,000-$6,000 per TB to receive 20 years of preservation and storage in DPN
- Draft economic model presented to DPN Board in November 2014
- Draft economic model presented to DPN Members in December 2014
- Soft launch of production services in summer of 2015
Questions or Comments?

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Dave - dave@dpn.org
Steve - steve.morales@dpn.org