



Roadmap

- Definitions
- Digital Preservation Fundamentals
- Common Preparedness Actions
- Disaster Specific Concerns

Deliverables

- Define and identify your digital assets
- Identify multiple risks to digital assets
- Walk away with *at least* 1 actionable item to improve your digital asset protection strategy.

What is Digital Asset Management?

DIGITAL ASSET MANAGEMENT

 Systems designed to organize and display digital content produced in a variety of media types. The content is usually locally owned and controlled, rather than licensed from a third party.

ELECTRONIC RESOURCE MANAGEMENT

 Systems developed to assist librarians in the control of licensed third-party resources published electronically (databases, e-books, e-journals, etc.)

Examples of Digital Assets

- Digitized photographs
- Word Documents
- Video
- Email
- Websites

Risks to Digital Assets

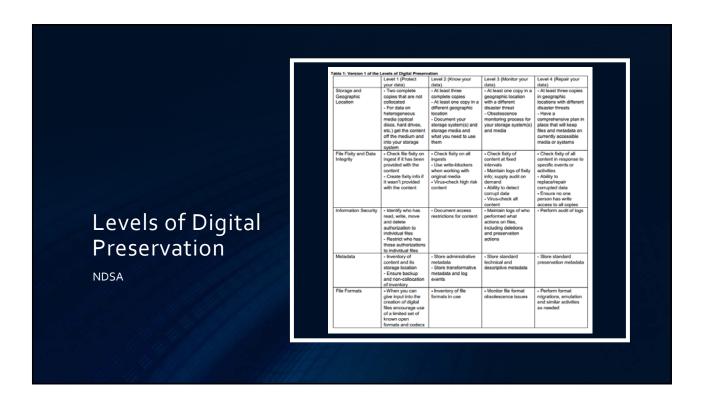
A Sampling...

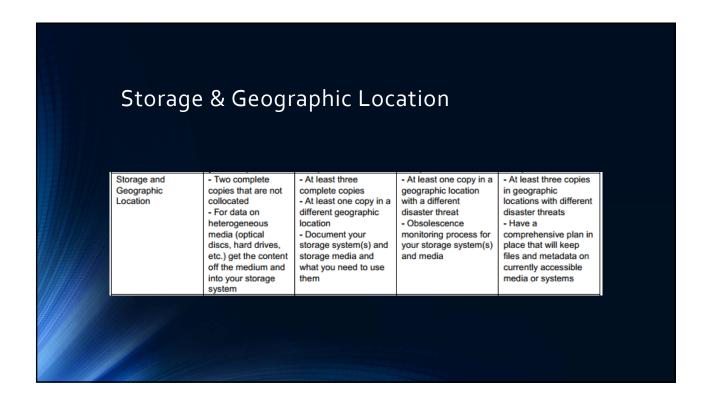
- Software obsolescence
- Loss of power
- Bit rot
- Hardware failure
- Cyber attacks
- Format obsolescence
- Media failure or obsolescence
- Man-made and natural disasters
- Dust
- User error

Questions to consider...

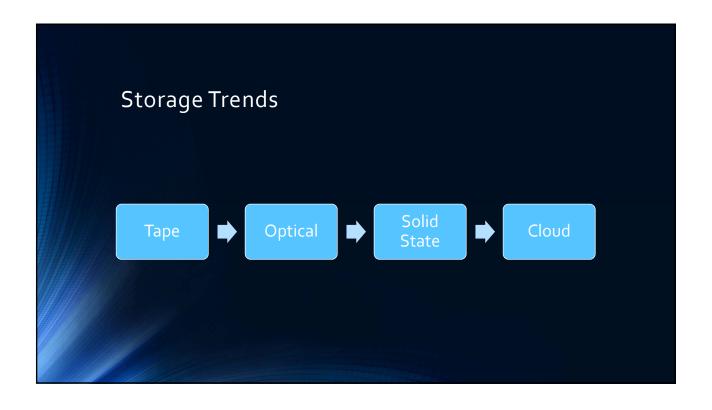
- Is the equipment needed to access your assets covered in your insurance plan?
- If your office lost power, could you access your needed files?
- If your desktop disappeared, could you access your needed files?
- If the fire alarm went off, could you leave without stopping to retrieve your server?



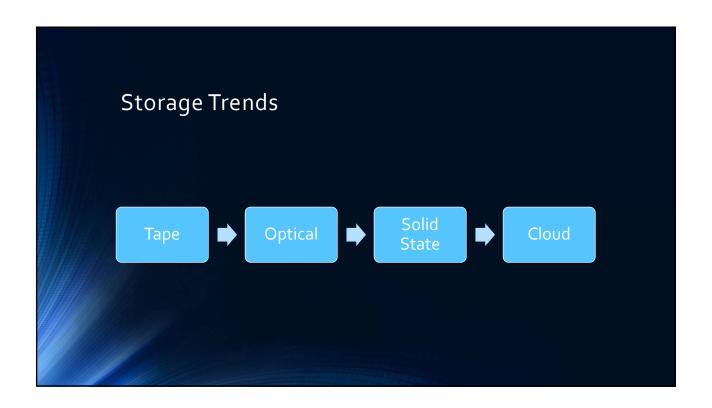


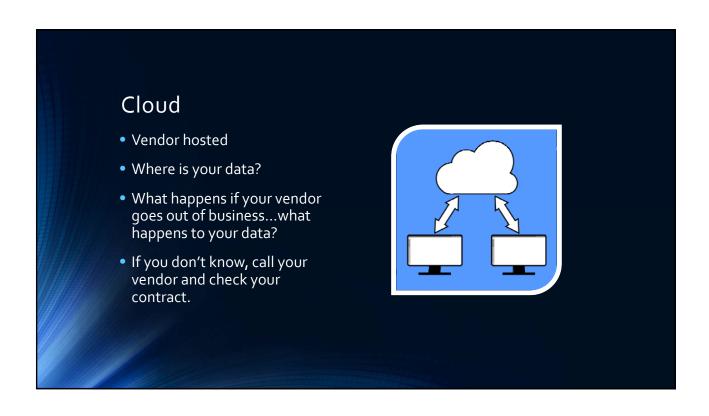


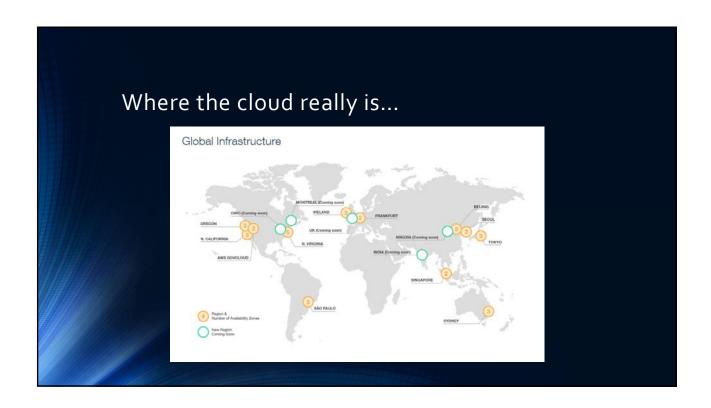




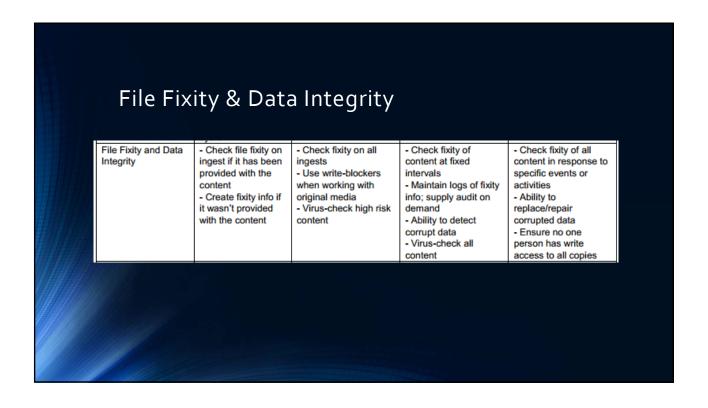


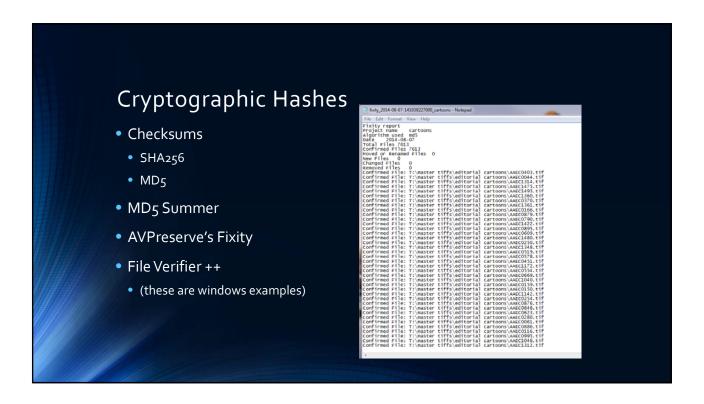


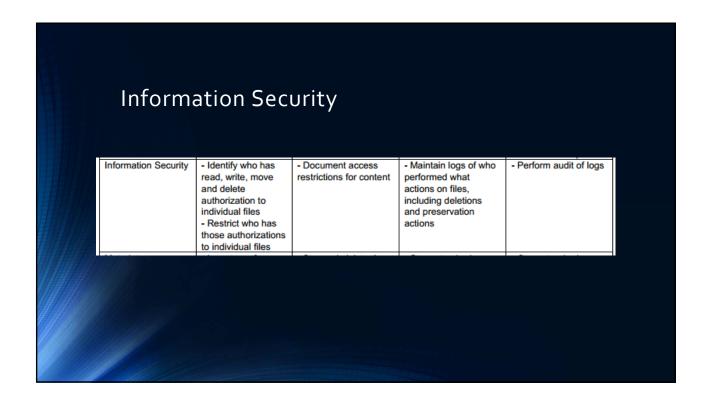




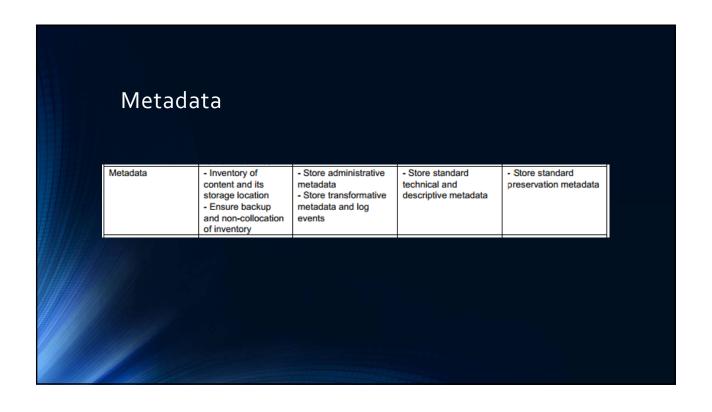








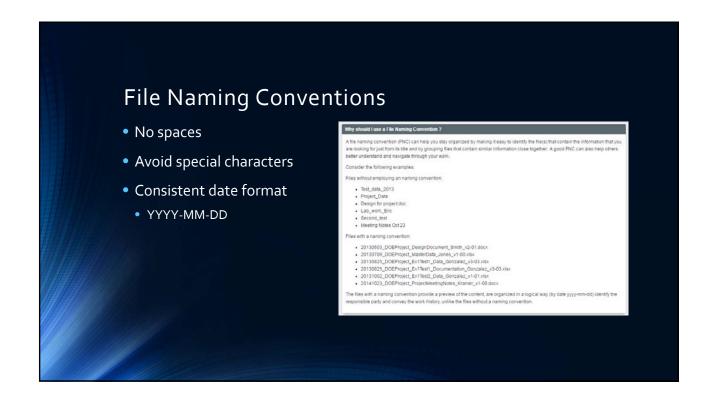




1.1.1 objectIdentifierType 1.1.2 objectIdentifierValue Metadata A designation used to identify the Object uniquely within the preservation repository system in which it is stored. Each Object held in the preservation repository must have a unique identifier to allow other entities to refer to it and to relate it to descriptive, technical, and other metadata unambiguously. • Descriptive Metadata Data constraint Dublin Core Object category Intellectual Entity / Representation Bitstream Mods Applicability Applicable Applicable Applicable Repeatability • Technical Metadata Obligation Mandatory Mandatory Mandatory MIX Creation / Maintenance notes An identifier may be created by the repository system at the time of mgest, or at may be created or assigned outside of the repository and submatted with an object as metadata. Similarly, identifiers can be generated automatically or manually. Structural Metadata The objectification is mandatory for all Objects stored. The objectification is mandatory for all Objects stored. The objectification is expectable in order to allow both repository-assigned and externally-assigned identifiers to be recorded. See "Creation Maniamanism and advantage of the present of the Unage moter METS Preservation Metadata PREMIS

File Format Sustainability					
File Formats	- When you can give input into the creation of digital files encourage use of a limited set of known open formats and codecs	- Inventory of file formats in use	- Monitor file format obsolescence issues	- Perform format migrations, emulation and similar activities as needed	





What would you do in the event of...

- A power outage?
- A flood or leak?
- A fire?
- A tornado?
- A hurricane?
- An earthquake?
- A volcano?

Action List Ideas ☐ Replicate data offsite ■Non co-location of inventory □Call insurance company to see ☐ Migrate files to sustainable if vital equipment is covered formats □Call vendor to see where your ☐ Adopt sustainable file naming data is stored and what conventions happens to it if vendor goes out ☐ Create list of operational needs of business ☐ Add digital assets into Disaster ☐Pick computers off the floor Recovery Plan □Purchase UPS

Further Reading...

- Levels of Digital Preservation
 http://www.digitalpreservation.gov/documents/NDSA_Levels_Archiving_2013.pdf
- File naming conventions http://guides.lib.purdue.edu/c.php?g=353013&p=2378293
- Benefits and risks of PDF/A-3 http://lcweb2.loc.gov/master/gdc/lcpubs/2013655115.pdf
- Hathitrust Disaster Recovery Plan http://lcweb2.loc.gov/master/gdc/lcpubs/2013655115.pdf

