

Disaster & Contingency Planning: Storage Dimensions

A Case Study from the MetaArchive Cooperative

Matt Schultz, Collaborative Services Librarian
Storage Architectures for Digital Collections
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MetaArchive in a Nutshell

- MetaArchive uses the free open source LOCKSS archiving software to operate a network of preservation servers.
- Cultural heritage collections
 - Master images, video, audio, websites, databases
- All content is stored in multiple copies at geographically dispersed locations.

Last Year: Revisited

- MetaArchive & Cloud Computing
 - Bill Robbins – MetaArchive Systems Administrator
 - “Cloud is working well for MetaArchive”
- Chronopolis: Present & Future Storage Environments
 - David Minor – Chronopolis Project Manager
 - Chronopolis & Meta Archive - “Focus on Interoperability”

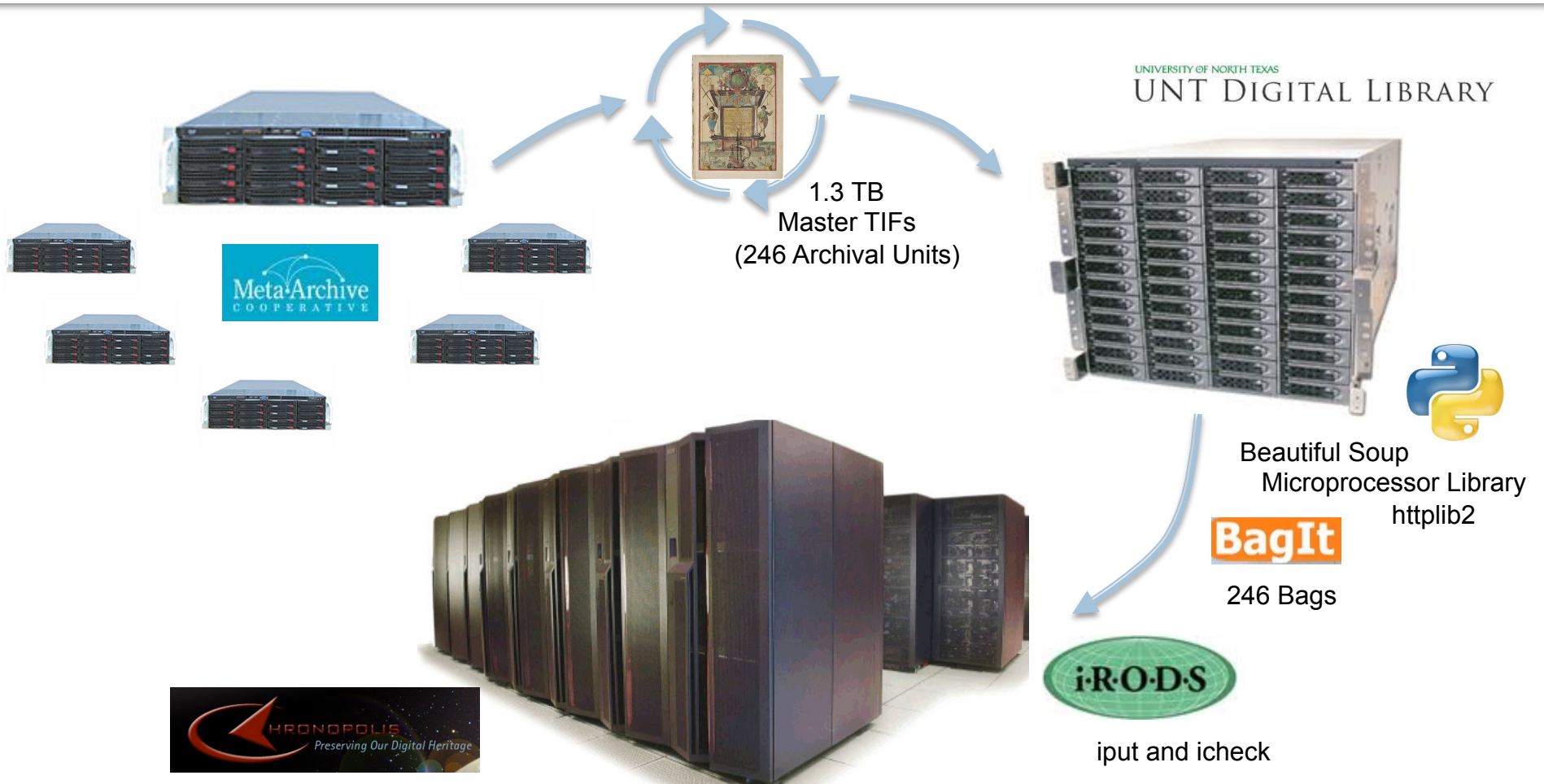
Disaster Planning

- MetaArchive building off its success with the Cloud
- Activating a West Coast Amazon mirror for our East Coast central admin properties server
 - Holds our title database (i.e., holds our network together)
 - Holds several other vital tools and resources
- Recovery was swift and easy - a huge success

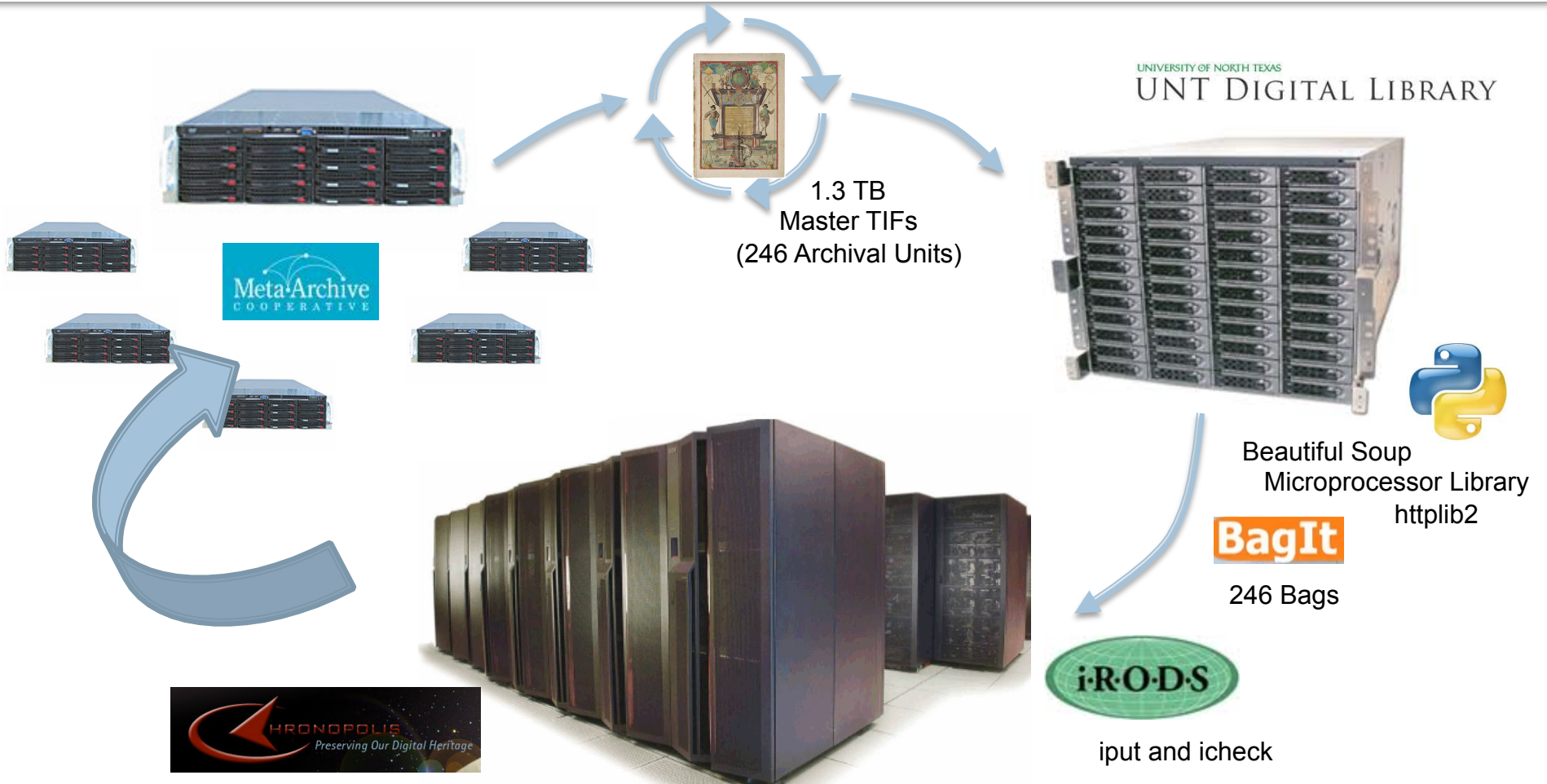
Storage Dimensions

- Amazon definitely meeting our needs for geographic distribution
 - Not available or appealing with all providers
- Cloud *server* environment ensuring our disaster recovery remains lightweight & nimble – avoiding perennial redundancy
- Cloud *storage* costs (> 1TB) have not come down quickly enough for our full sys admin needs

Contingency Planning



Contingency



Storage Dimensions

- How might we have architected this workflow more efficiently through different server configurations, staging approaches, or use of tools?