

Dark Preservation Networks: Chronopolis and DPN

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Chronopolis

Digital preservation dark storage network spanning multiple institutions and geographic regions.

Partners:

- National Center for Atmospheric Research (NCAR)
- University of Maryland Institute for Advanced Computer Studies




Funded by a series of NDIPP grants designed to develop the technological infrastructure needed for digital preservation.








First ingest date: 2008

Focused on: *active* preservation – constant checking of items.

[Status](#) [Change Password](#) [System Settings](#)



ACE Audit Manager

	Collection Name	Type	Total Files*	Last Audit	Next Audit
  	rontest	local	1	Apr 30 2015	Unknown
	[-] acadis		12215 / 125.7 GB		
  	acadis_database_02-02-2013	local	6	Jun 03 2015	Unknown
  	acadis_datasets_01-31-2013	local	12209	Jun 03 2015	Unknown

Trusted Digital Repository Certification

2012



Center *for* Research Libraries
.....
GLOBAL RESOURCES NETWORK
Certification Report on Chronopolis

New partners:





Dark, diverse replication with audit and stewardship succession in place the time of deposit.

DPN Nodes

- ❖ Chronopolis
- ❖ Texas Digital Library
- ❖ Stanford Digital Repository
- ❖ AP Trust
- ❖ HathiTrust

Chronopolis and DPN

Same:

- dark storage
- 3 copies at geographically different nodes

Different:

- business model
- stewardship succession
- administration
- membership involvement

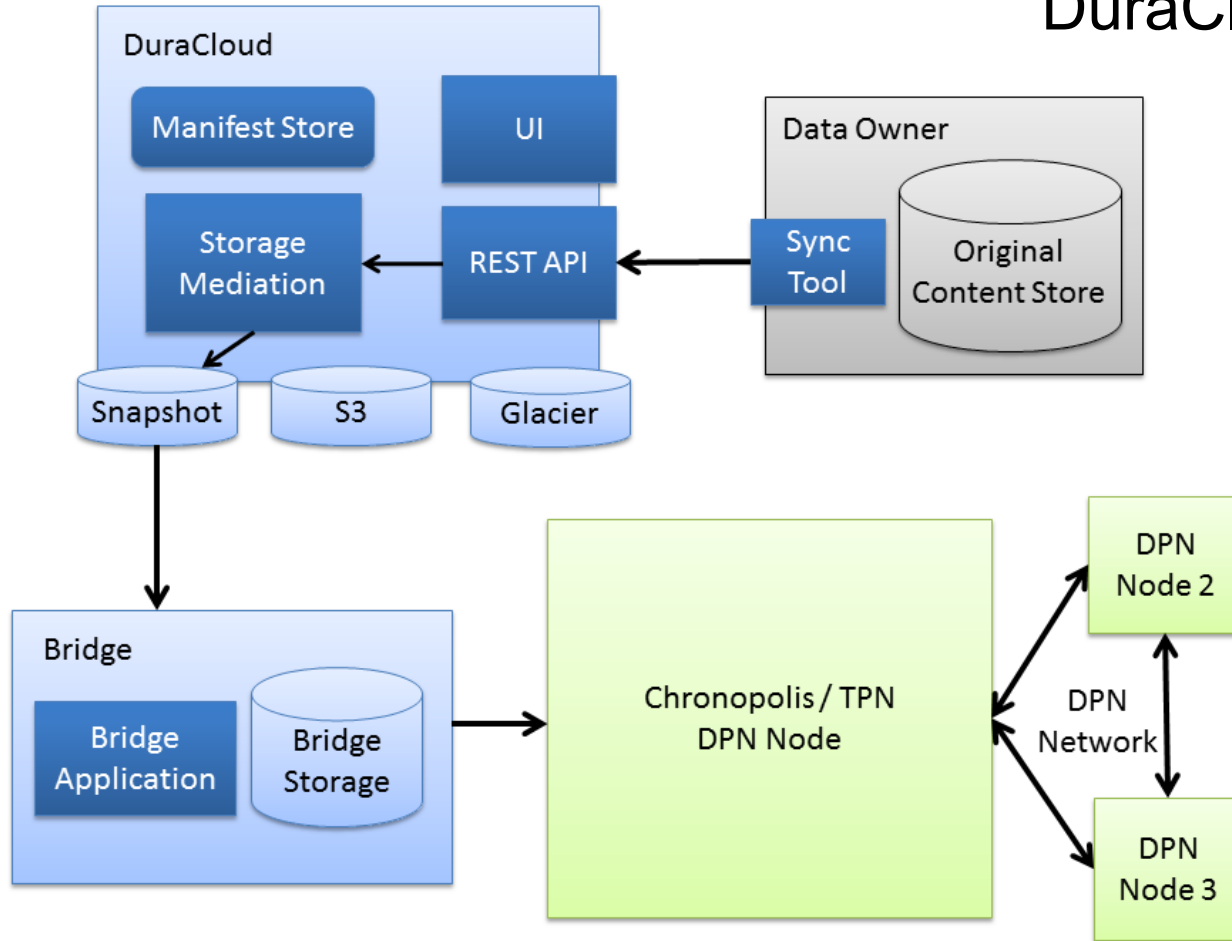


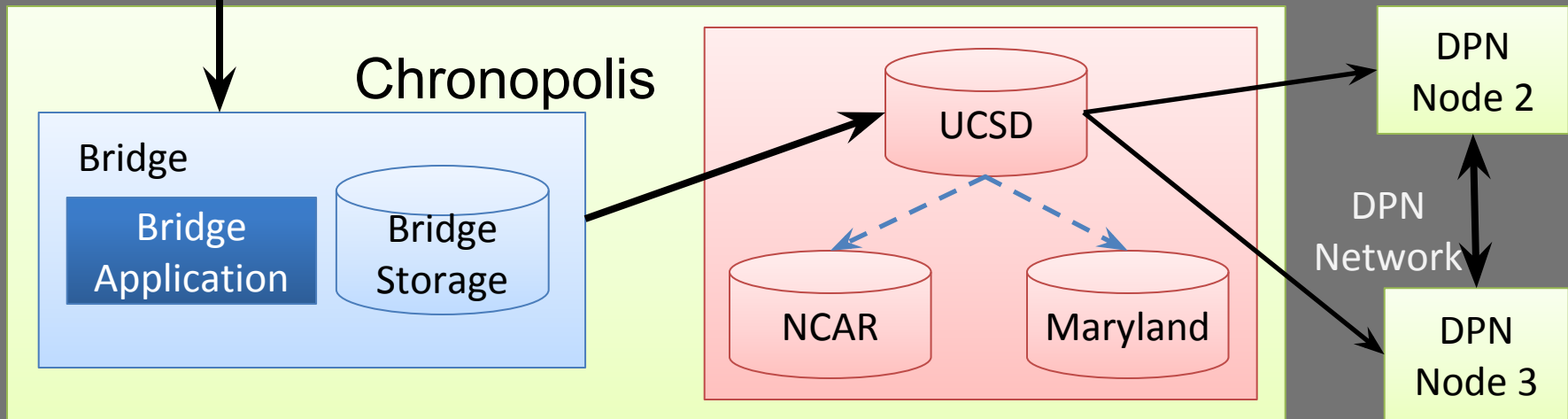
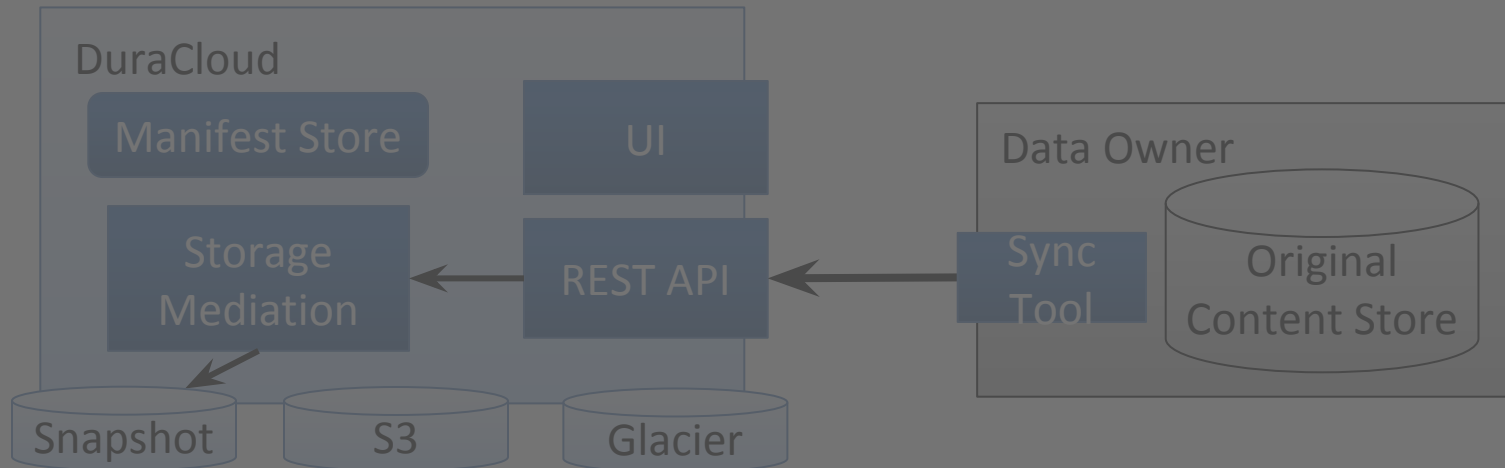
- **DuraCloud as a pathway to Chronopolis**
 - Provides an existing hosted user interface, reduced need for new development
 - Simplifies the process of moving content in and out of the systems
 - Shared institutional values
- **Chronopolis as a storage provider for DuraCloud**
 - Extends the DuraCloud network to include a non-commercial, highly distributed, dark archive option

DuraCloud Vault

Sustainable preservation with Chronopolis and DPN

DuraCloud Vault





Bridge

Ingest service

Ingest

Postgres

Replication service

JBOD

NCAR

ACE

Replication service

Isilon

UCSD

ACE

Replication service

JBOD

UMIACS

ACE

Questions?