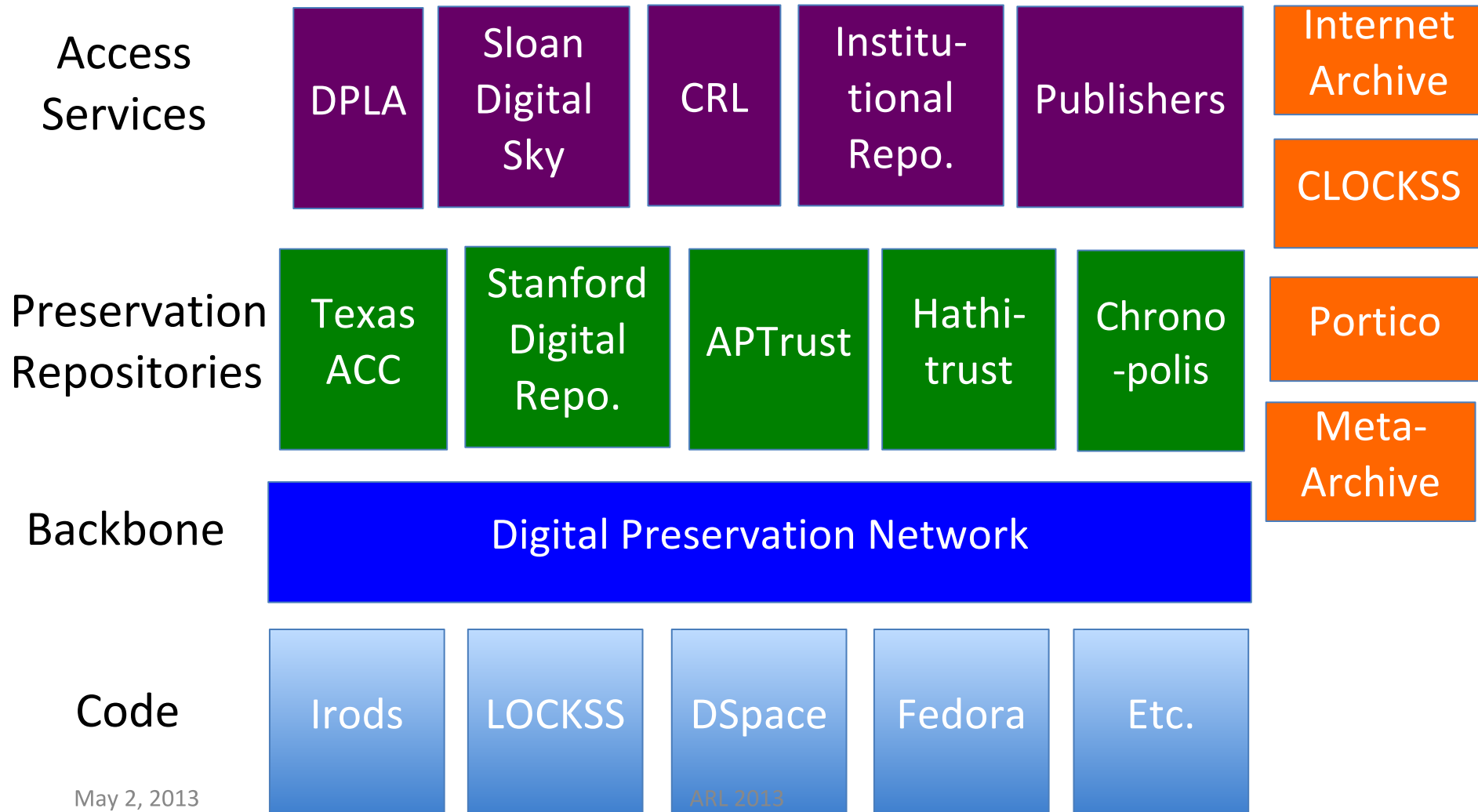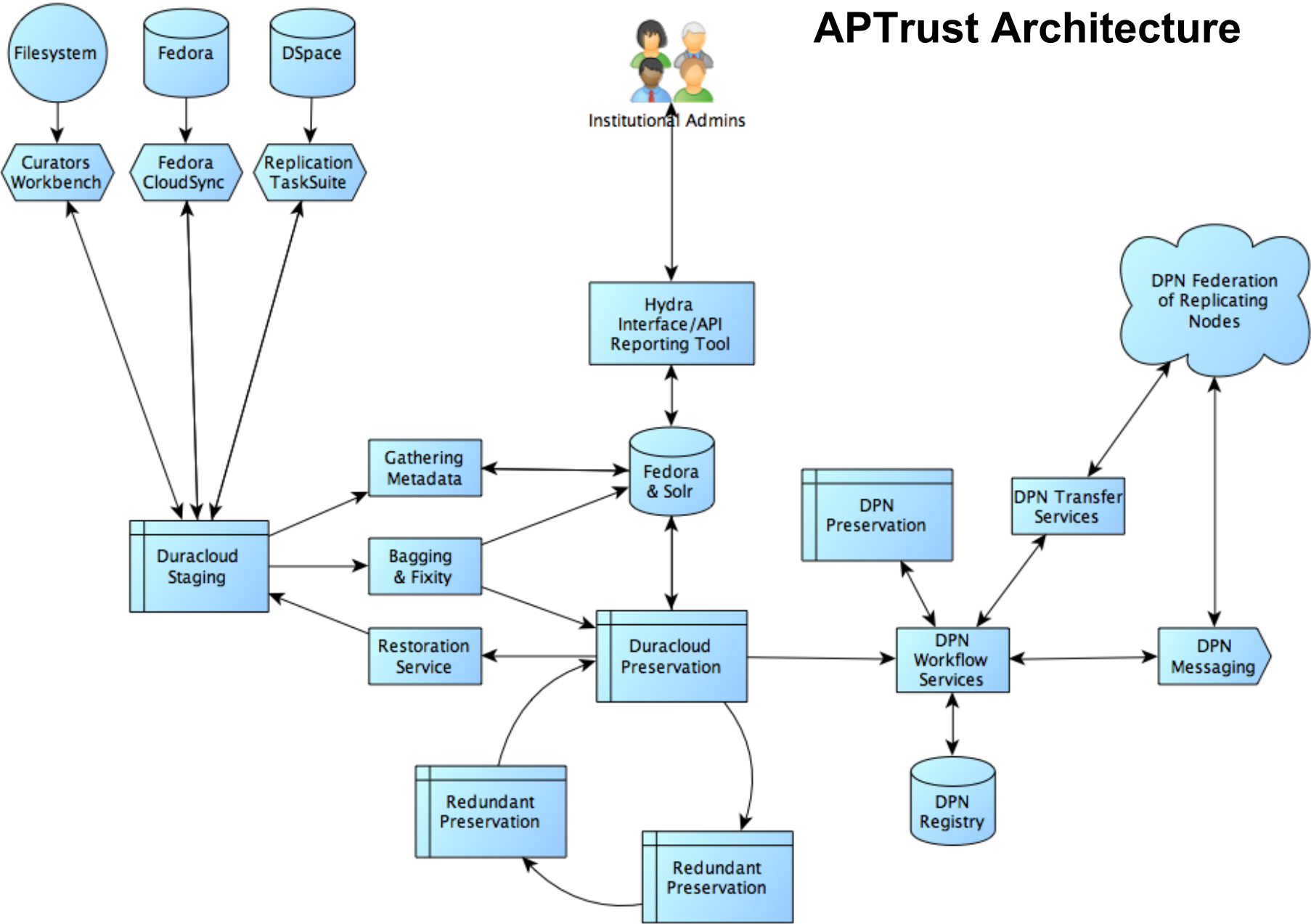# APTrust

PASIG 2013 Lightning Talk

Mission of The APTrust

The Academic Preservation Trust (APTrust) consortium is committed to the creation and management of a preservation repository that will aggregate academic and research content from many institutions. Solutions will be based on respected open-source technologies that are scalable, sustainable, and provide audit functionality.

The Emerging Digital Preservation Stack

Access Services

DPLA	Sloan Digital Sky	CRL	Institu-tional Repo.	Publishers	Internet Archive

CLOCKSS

Preservation Repositories

Texas ACC	Stanford Digital Repo.	APTrust	Hathi-trust	Chrono-polis	Portico

Meta-Archive

Backbone

Digital Preservation Network

Code

Irods	LOCKSS	DSpace	Fedora	Etc.

May 2, 2013

ARL 2013

APTrust Architecture

Filesystem → Curators Workbench

Fedora → Fedora CloudSync

DSpace → Replication TaskSuite

Institutional Admins → Hydra Interface/API Reporting Tool ↔ Fedora & Solr

Curators Workbench, Fedora CloudSync, Replication TaskSuite ↔ Duracloud Staging

Duracloud Staging → Gathering Metadata ↔ Fedora & Solr

Duracloud Staging → Bagging & Fixity

Duracloud Staging ↔ Restoration Service

Bagging & Fixity → Fedora & Solr

Bagging & Fixity → Duracloud Preservation

Restoration Service ← Duracloud Preservation

Fedora & Solr ↔ Duracloud Preservation

Duracloud Preservation ↔ Redundant Preservation

Redundant Preservation ↔ Redundant Preservation

Duracloud Preservation → DPN Workflow Services

DPN Preservation ↔ DPN Workflow Services

DPN Transfer Services ↔ DPN Workflow Services

DPN Transfer Services → DPN Federation of Replicating Nodes

DPN Workflow Services ↔ DPN Messaging

DPN Messaging ↔ DPN Federation of Replicating Nodes

DPN Workflow Services ↔ DPN Registry

http://aptrust.org

Questions?

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