Enabling Collection Interoperability & Preservation

Using iRODS and the OAI-PMH

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Discussion **Points**

Motivation & Introduction

Background

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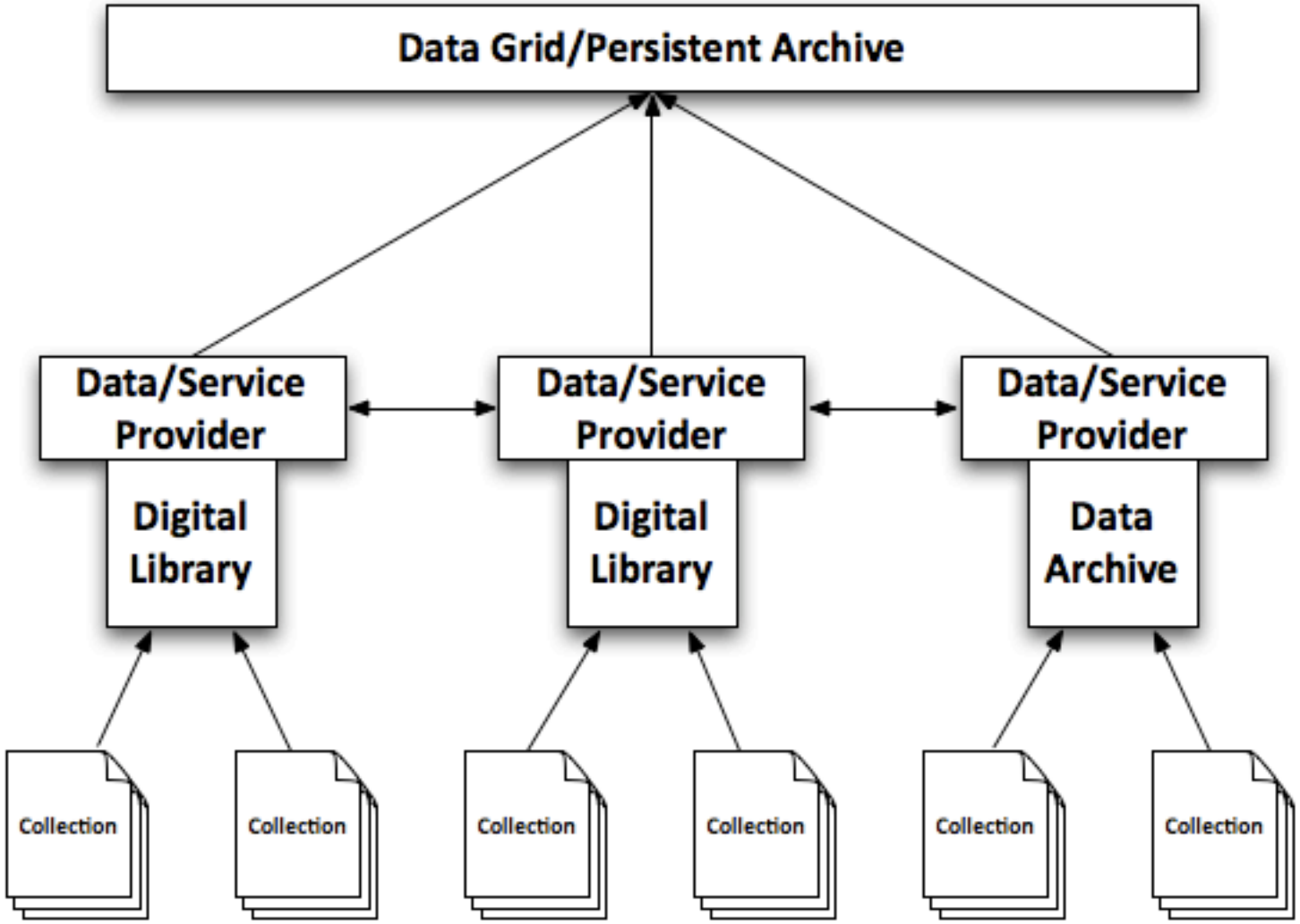
Motivation &
Introduction


Data Grid/Persistent Archive
Data/Service Provider
Data/Service Provider
Data/Service Provider
Digital Library
Digital Library
Data Archive
Collection
Collection
Collection
Collection
Collection
Collection

Interoperability

Archivist's Preservation Models

Digital Librarians' Information Models

Data Grid Archival Storage Technology

Archival **Model**

*Appraisal| Accession

Arrangement | Description

Preservation| Access

*R. Moore, *The Preservation of Data, Information & Knowledge*.

Digital **Libraries**

*Federated Servers| Multiple Clients

Collection Owned Data| Access by Logical Name

Web-based | Federated Name Spaces

*R. Moore, *Evolution of Data Grid Concepts*.

Data Grids

*Library-based Access to Servers| Personally Owned Data

Access by Physical File Name | Application Driven Processing

Global Name Space | Data Moves to Process

Management of Distributed State Information

*R. Moore, *Evolution of Data Grid Concepts*.

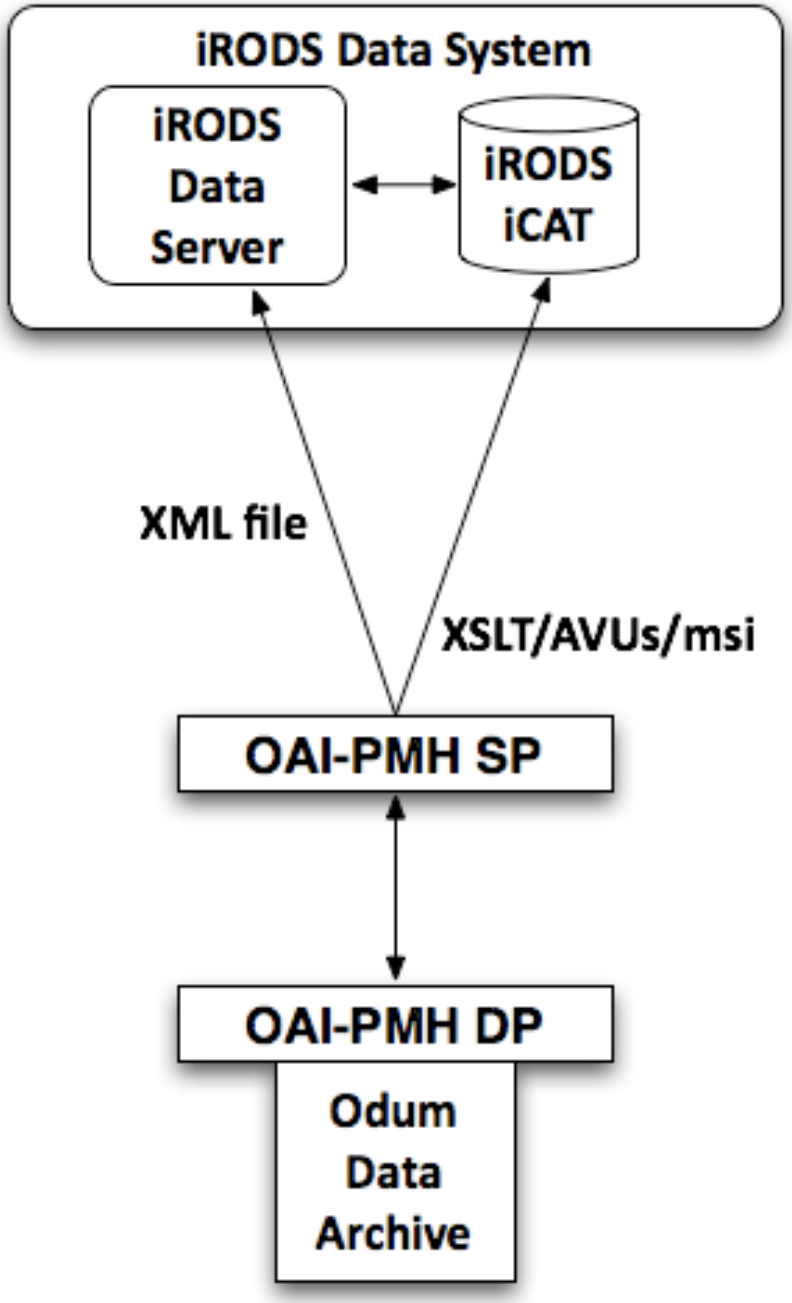
Background

Open Archives Initiative | OAI-PMH

Odum Institute Digital Archive | DVN

Data Intensive Cyber Environments | iRODS

National Archives and Records Administration | TPAP


iRODS Data System
iRODS Data Server
iRODS iCAT
XML file
XSLT/AVUs/msi
OAI-PMH SP
OAI-PMH DP
Odum Data Archive

Method

Results & Discussion

Conclusions & Future Work

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Content, in the form of reusable and often vary large data sets and data bases – numeric, textual, visual – is an **integral** part of advanced **information technology** also.

~Clifford Lynch