Facilitating Data Upload, Access and Deployment

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Large Scale Data Management and Analysis

Digital Research Infrastructure for the Arts and Humanities
Data Upload and Data Access

Facilitation from the users perspective: Interfaces and clients are easy-to-use, reliable, stable, sustainable

Challenges:
• Federated environment, not static
• Gaps between existing components, no interoperability
• Technology shifts expected, missing components

Required: Comprehensive framework to handle Big Data
Seamless integration of the components, interoperability
Example: Archive Service

Portal and Web

Data Archive Service

Create | Read | Update | Delete | Authenticate | Authorize | Info | Reference

Storage Service 1: Bit Preservation  | AAI  | PID Service | Storage Service 2: Bit Preservation

iRODS  | TSM  |  |  | iRODS  | TSM  
dCache  |  |  |  | dCache  | ...
Data without meta data is useless!

Collection Registry: Registration of data collections
Schema Registry: Description of internal structure

1. Selection of collections:
   Important to solve the research problem
2. Crosswalks:
   Analysis of selected collections and their schemas
3. Facetted search and filter:
   Parametrization

Access to contents!