2011-11-18 - DTR Design

Attendees

- Andrew
- ~~Bill~~
- Brad
- ~~Chris~~
- Dan
- Jonathan

Minutes

1. Draft functional requirements (inserted below)
2. Box.net development APIs

DTR Functional Requirements

- Signup** Register for DTR Account
  - Use my institution provided account (Internet model?)
- Data Management Plans** Provide boilerplate to specify DTR as part of plan
  - Pull settings from my DMP from [DSPINT:insert links to projects that help creation of DMPs, such as the UK dmponline and the CDL effort]
  - Interface for office of Research / university policy people? (JHU model)*** bootstrap configuration / initialize account
    - review compliance (later)
    - ...
- Data Modeling / Organization (N.B. all of these should be optional!)** Import the Smithsonian / Thorny model
  - Specify my automatic metadata capture rules
  - Select existing data models / schemas that I want to use (by discipline?)
  - Specify my access rights and policies*** What to encrypt (for storage)
    - How are my keys managed
  - Specify data lifetimes
- Daily use** (silently save everything for me and index it too, and feed my cat)*** Security of scraping and transit mechanisms - encrypt?
  -
    - Provenance (who, when, **what**)
    - **What**: context (software used, formats, tools, policies, etc) and data
  - Capture the Lab Notebook if possible
  - Create a view / exhibit (deploy a site with a dataset)
  - Create a citation (and its target view if needed)
  - Specify / adjust data lifetimes
  - Extract data set
  - Search / browse / locate data set or data item (private and/or public; E.G. desktop search)
  - Augment metadata post-ingest
  - Transfer data to curator
  - Run visualizer or transformation on data set
  - Import / Export to VREs, other adjacent systems.
- Curator / Archivist views** Receive data transfer from researcher
  - Put it in a box in the basement

Action Items

Action Item	Assignee	Status