

2011-11-22 - DTR Design

Attendees

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

Discussion Topics

Possible Scopes

All of these are pretty much epics and must be subdivided into stories:

1. Storage Capture Utility (transmit to DuraCloud)
2. Add Cloud-based Notification service
 - a. Many incremental features
 - b. Cloud-to-Storage Capture
 - c. Cloud-to-Researcher
 - d. Cloud-to-Cloud Service
 - e. Researcher-to-Researcher's Infrastructure
 - f. Researcher-to-Researcher (overlaps VRE capabilities)
3. Replicate to remote Researcher storage
4. Add Provenance Data to Storage Capture Utility
5. Add GUI for setup of Storage Capture Utility
 - a. Many incremental features
6. Add private Search Capability
7. Add Minimal Context capture (likely through directory arrangement)
8. Add transmit to Fedora (creation of Digital Objects with RDF)
 - a. Add content model controls to FDO creation
9. DuraCloud-based Identity management
10. Integrate with Institution Identity management
11. Integrate with public Identity management (OAuth, OpenID)
12. Add encryption with user keeping keys
13. Add encryption with third party key service
14. Add simple policy framework
 - a. Retention schedule
 - b. Close or Open or "Move to Archive" content access schedule
15. Add Fedora dissemination access from Cloud
16. Add Cloud-based VRE capabilities
 - a. Many incremental capabilities
17. Add Lab Notebook capabilities
 - a. Many incremental capabilities
18. Add workflow capture (jBPM, Taverna, Kepler) from within researcher's infrastructure
19. Add simple service orchestration - message and/or REST (e.g. JMS/REST queues, Apache Camel, ServiceMix, Mule)
20. Add more feature rich orchestration (e.g. jBPM, Taverna)
21. Add remote service execution (within researcher's infrastructure, private cloud, DuraCloud) aka microservices
22. Add simple, configurable REST service pipelines
23. Add simple versioning support (DuraCloud and Fedora)
24. Add graph-based versioning (Fedora)
25. Add feature-extraction framework
26. Add simple map-reduce setup for dataset processing
 - a. Many incremental feature but support for search and researcher based correlations are examples
 - b. Search and correlation between researchers datasets and metadata (overlaps VRE)
 - c. Search and correlation for social networking, collaboration
27. Support Domain Specific additions to above features
28. Set up correlation indices in the Cloud
29. Enable the researcher to set up a correlation index in the Cloud
30. Add Archivist in the Cloud

Minutes

Action Items

Action Item	Assignee	Status