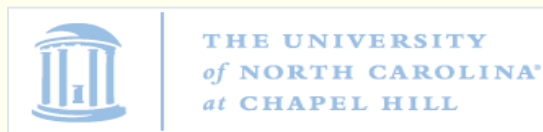




Using iRODS Policies to Support Preservation CurateGear 2016

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Project Goals

- Design curation/preservation workflow integration
- Connect research environment with archive
- Connect archive with national architecture
- Policy based
- Open source focused
- As “pluggable” as possible

Bringing great tools together

- iRODS
- Dataverse
- Modeshape
- BitCurator
- BagIt
- Preservation Audit Standards
 - ISO 16363
 - Data Seal of Approval
- Databook Architecture
 - Apache Service Mix
 - iRODS Rule Integration
 - Indexing Engine

Leveraging iRODS

- Automate preservation actions
- Rules base policy management
- Scalable storage infrastructure
- Enhances secure data sharing possibilities
- Diversifies Dataverse storage options

Preservation Policy Enforcement

- Odum Current Efforts
 - iRODS configured to utilize BitCurator
 - Testing sensitive information identification utilizing iRODS/BitCurator
 - Selected ISO 16363 policies implemented with iRODS rules
 - Rules published to GitHub

Next Steps

- Stress test sensitive information identification
- Add more complex sensitive information formats
- Expand iRODS rules based policy reporting

Links

- <https://github.com/DICE-UNC/dfc-dataverse-integration>
- <https://github.com/DICE-UNC/indexing-irods>
- <https://github.com/akio-sone/dvn/tree/Odum-Ext>
- https://github.com/donsizemore/odum/tree/master/irods_rules
- <https://en.wikipedia.org/wiki/BagIt>
- <http://datafed.org>
- <http://thedata.org>
- <http://www.odum.unc.edu/odum/home2.jsp>

Thanks

Come See Our Demonstration