IRODS Client Development

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Jargon-core

- At 3.0.0.1 Release now

- https://code.renci.org/gf/projects/jargon

Jargon Priorities

- Support for iDrop -web -lite -desktop

- Interfacing with RENCI/DICE CI

  - 'cross zone' fixes and certification

  - Mounted collections/soft links

- Security (GSS, Kerberos) in branch

- Tickets (in branch)

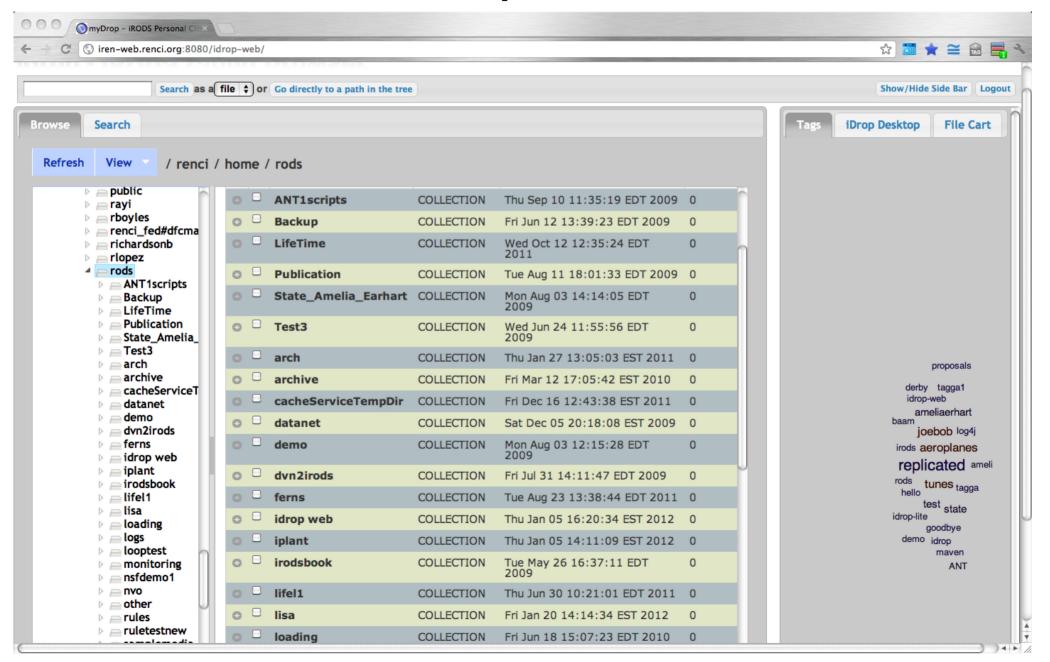- Optimization (knobs, benchmarks, profiling)

iDrop Suite

- At https://code.renci.org/gf/project/irodsidrop/
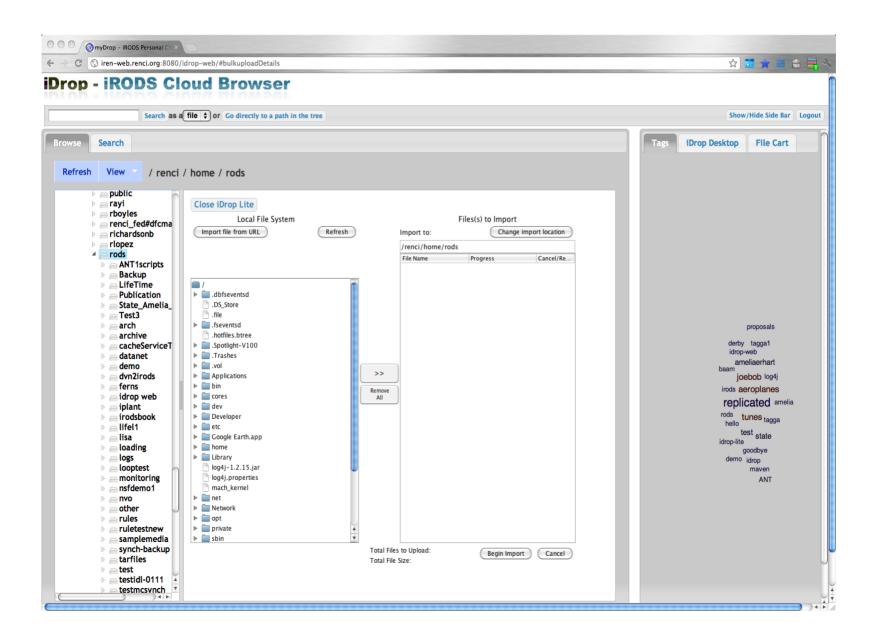- Release planned for iRODS 3.0.1
- 'Cloud in a box'

iDrop

- More synch modes
- 'Diff' tool
- Transfer enhancements
  - PREMIS metadata
  - Control balancing/audit reports
  - Adding heuristics for recovery/restart
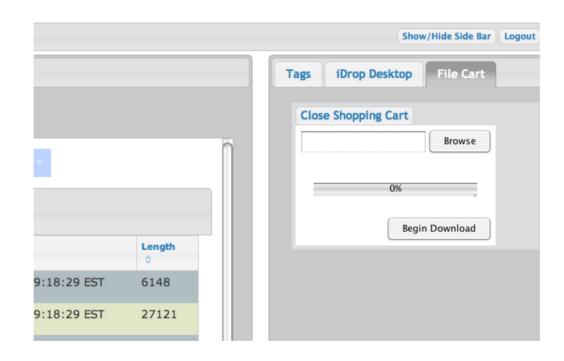 - GUI not so stupid
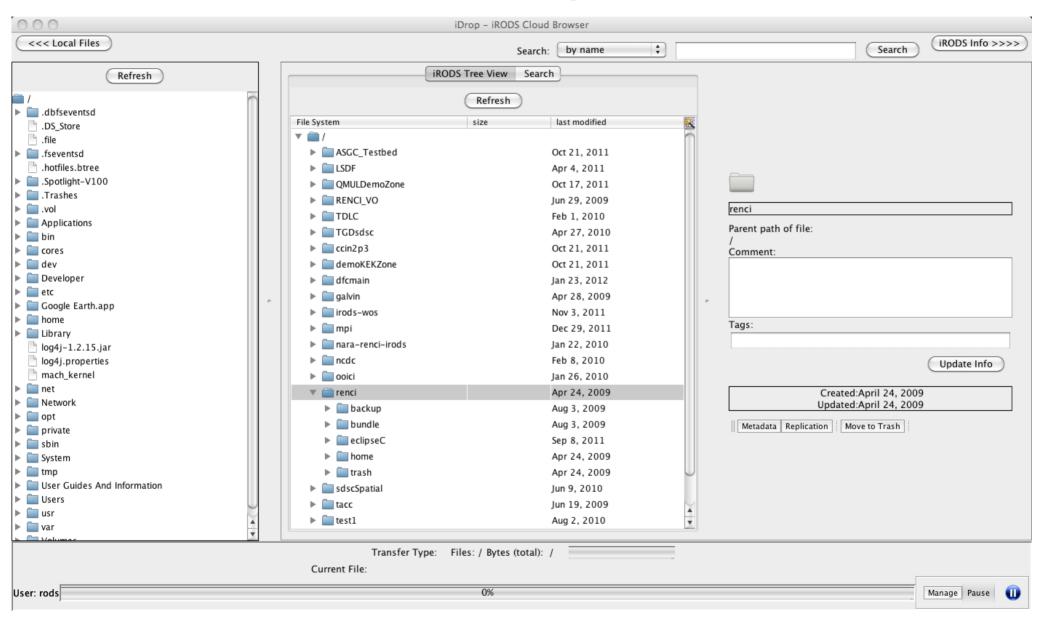 - Restart in middle of long file

iDrop Web

iDrop Lite – Bulk Upload

iDrop Lite – Bulk Download via File Cart

iDrop

Emerging Needs

- Metadata and findability

  - Controlled vocabs (HIVE)

  - Faceted Browsing

  - AVU ↔ Triple Store

  - Search?

- Social network overlay

- REST (prerequisite for →)

- Mobile clients (iOS and Android)

iRODS in the Toolbox

- Adapters and framework implementations to make it easier to add iRODS capabilities to apps of all kinds.

- PHP/Drupal

- Akubra for Fedora

- DSpace

- THREDDS