ICAT Roadmap

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Status

- Most of current objectives in roadmap have been achieved.

General

- The road should be free of:
    - sleeping policemen/speed bumps
    - pot holes
    - road works

- Endeavour not to break things

- Concentrate on:
    - Performance
    - Scalability

Next releases of ICAT

4.5.0

- Bug fixes
  - Allow queries of the form "SELECT a.b.c FROM ..." This was not documented but used to work in ICAT 4.3 and is standard JPQL.
  - Provide better protection against queries that are getting too large a quantity of data back from the database.
- Removal of Lucene support as the API is about to change

4.6.0

- Reintroduction of Lucene but with ad-hoc calls to support TopCAT2
- Bug fixes

General direction of ICAT

- Resilience

- Multiple ICAT servers

- Robustness of Lucene index access

- Installation to support Wildfly *as well as* Glassfish

- Modify the handling of authz rules to make the RDBMS do more work

- Study of scaling issues

IDS

- Provide documentation on icatproject web page to help readers understand at least what it is.

- Ability to work with very large downloads - many files and big files:

  - pursue multiple solutions

- Ensure that multiple IDS deployments can share the same archive storage

  - should "just work"

  - might make one IDS instance able to use another to reduce accesses to archive storage

TopCAT

- Shopping cart based

- Customisable

- Better support for facility hierarchy

- Improve searching via tailored ICAT search API

- Developed using AngularJS

- Streaming json loading (oboe.js) to populate pages smoothly

IJP

- Make Platform LSF batch connector exists fully functional

- Restore support of interactive work in a way that is independent of technology used to get output on screen

- Replace GWT GUI with AngularJS In harmony with TopCAT

- Consider suggestions from meeting:

    ○ Treat datasets and datafiles as parameters

    ○ Workflows

    ○ Templates

    ○ Support autoreduction

python-icat

- Make able to use ICAT import/export

Icat Manager

- Nothing comes to mind

Release Procedures

- These might be improved to permit better testing before release

Documentation

- Manual Installation

- Component overviews

- How To's

Code repositories

- Take advantage of the closure of Google Code to rationalise our repositories