HZB
Report on ICAT Deployment

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ICAT Meeting, Dublin, Mar 2014
ICAT Deployment

ICAT deployment is in experimental stage at HZB.

- Virtual machine icat.helmholtz-berlin.de
- openSUSE 13.1 (x86_64)
- OpenJDK 1.7.0
- GlassFish Server Open Source Edition 4.0
- ICAT components:
  - authn_simple 1.0.0 (users: root, useroffice, idsreader)
  - authn_ldap 1.1.0
  - ICAT 4.3.2
  - ids.storage_file 1.0.0
  - ids.server 1.0.1
  - TopCAT 1.11.0
- Use central Oracle database as backend
- Access is proxied through Apache using mod_proxy_http
Users:
- ICAT users are authenticated by the HZB LDAP server.
- Users are imported from LDAP into ICAT by a Python script.

HZB user portal GATE:
- GATE is the HZB user portal and proposal submission system.
- Import instruments and proposals (as investigations) from GATE into ICAT using Python scripts.
- Problem: GATE has its own user base. Some GATE users do have an HZB account (LDAP), but not all.
- Plan: GATE users should get an HZB account routinely if their proposal is accepted. But workflow for this is not settled yet.
Systematic storage of experimental data is not yet operational for all instruments at HZB.

Purchase of storage hardware is planned.

E.g. the physical storage that IDS should be deployed on, does not exist yet.

A customized IDS storage plugin might be needed before going into production.

Question: How to keep data on storage and datafile objects in ICAT in sync?