HZB
Report on ICAT Deployment

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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

GATE and LDAP

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.

Storage

- 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?