



HZB Overview

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Status

- Separate WUO Systems for Neutron & Photon Source
 - Photons: Duo based system, with little integration to other IT services.
 - Neutrons: In-house developed database application, linked to a central authentication system.
- Used for proposal handling/submission, user communications and feedback.

Plans

- Combined WUO for Neutron & Photon Source
 - Duo based system. No further integration to other IT services planned.

Status

- No standardized way to access data:
 - Via login to central servers, ssh/scp.
 - On some experiments (CRGs) access via ssh/scp to beamline station.
 - Copy to user's PCs, USB-sticks, disk-stacks,
- Allocation of user specific storage space upon request.
- No archiving, but no active data expiry in place either.

Plans

- Migration of storage space local to beamlines to central SAN (not forced but on request by the individual experimental groups).
- Migration to common storage technologies for both sites.
- Data format & Metadata definition in the framework of PaNdata ODI & HDRI
- ICAT under consideration (HDRI)

Status

- Not an official service. Not feasible on all experimental stations.
- Implemented through:
 - SSH (-tunnels) to experimental stations (console/text based access).
 - SOCKS based access to experiment-specific services.
 - NX/VNC sessions to export the GUI of computer controlling an experiment.
 - Camera streams (data protection!).

Plans

- None (other than improvements and maintenance of existing solutions).

Status

- Different authentication systems in use:
 - LDAP based directory (mainly neutron site).
 - Active Directory used for most Windows based office computers (but not on beamlines).
 - Local authentication systems on various (CRG) - beamlines.
 - No authentication required for access to most photon beamline stations (except for physical access to the experiment).

Plans

- Improvements and maintenance of existing solutions.
- Potentially move to a central authentication shared with WUO (no human & financial resources allocated yet).