Data management tools at the CRNL: data storage

In the context of the implementation of a data management policy at the CNRL, there is now a dedicated tool available to securely store the raw and the final datasets of all research experiments. Among those available, XNAT tool has been selected for several reasons, among which its extensive usage through the neuroimaging communities, a continuous support since 2007 by the developers, a secured platform and, it's also a continuum with the CERMEP XNAT server from which the collected data are delivered since 2013.

After a brief presentation of XNAT, participants will *move* their own raw data from one of their research projects from the team disk storage space to XNAT in order to securely store the raw data, with restricted accesses to the project members and get free storage space in the team disks. Once the raw data will be securely stored, the BIDS specification will be introduced.

Objectives

- To connect to XNAT server @ CRNL (http://10.69.168.76:8080 *using ldap menu*)
- To create your project using XNAT (acronym, members and the user rights, etc.)
- To populate your project with the raw data
- To remove the raw data from the team directory ➔ free space on your disks
- To present BIDS standards for NeuroImaging communities (EEG, sEEG, MEG, PET, ASL, MRI)

Public

- Principal investigators with raw data (any type)
  and/or members of a project, with previous agreement of the PI.

Requirements

- A laptop declared on the CRNL network (Windows, Mac OS X or Linux)
- A connection to internet through Eduroam
- A valid CRNL login and password (as for https://wiki.crnl.fr for example)
- An access to your raw dataset (typically in the team directory)

Resources

- https://wiki.crnl.fr/doku.php?id=wiki:services_et_groupes:club_neuro_imageurs:club_neuro_imageurs
- Gaëlle Leroux, Service commun 'soutien méthodologique aux projets d'imagerie'
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