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Integration of eWorkbench into NICOS

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NICOS is a network-based control system written for neutron scattering instruments, originally at the MLZ. Its main goals are flexibility, ease of use and maintenance, and reusability. NICOS allows remote control of scientific instruments via both interactive interfaces (GUI, command line) and a scripting system.

eWorkbench is a generic platform for managing research data and projects. It facilitates data management by enabling collaboration and semi-automatic documentation. Among other things eWorkbench offers convenient integration of labbooks with the possibility of creating notes, comments, sketches, uploading files, pictures and structuring with different sections.

Here we use the eWorkbench API to transfer the output from NICOS's electronic labbook to a labbook from eWorkbench. Sophisticated user authorization will be deployed to fully meet the requirements of making the web-based eWorkbench application safe and user-friendly at the same time.

Primary author: BAUDISCH, Josef

Presenter: BAUDISCH, Josef

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