ISPyB status

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MAXIV

History

Last commit
Oct 2015

ISPyB 3: jsp + struts + java7 + SOAP

First commit
Sept 2017

ISPyB 4: ISPyB 3 + REST

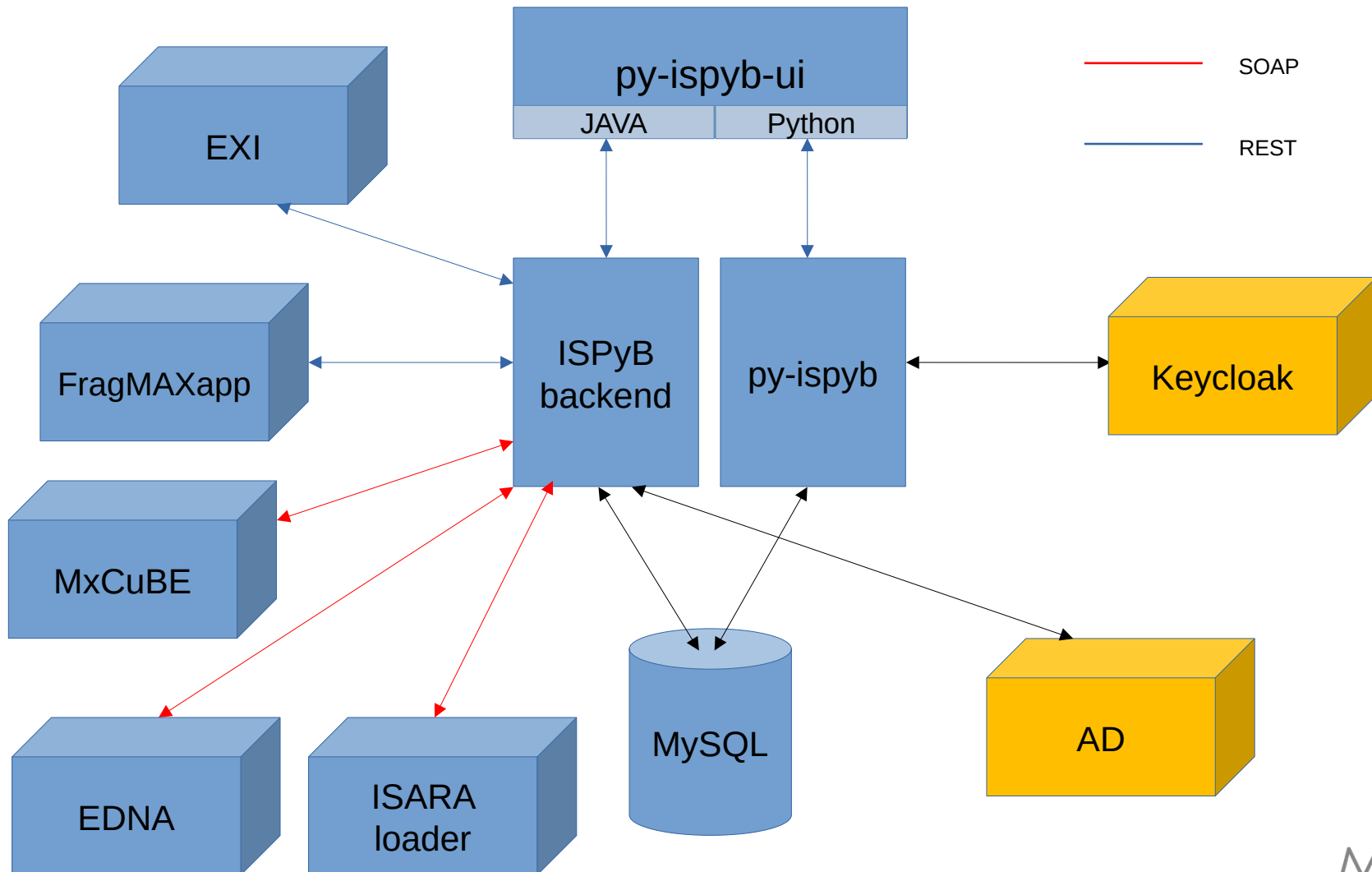**First prod release**
April 2020
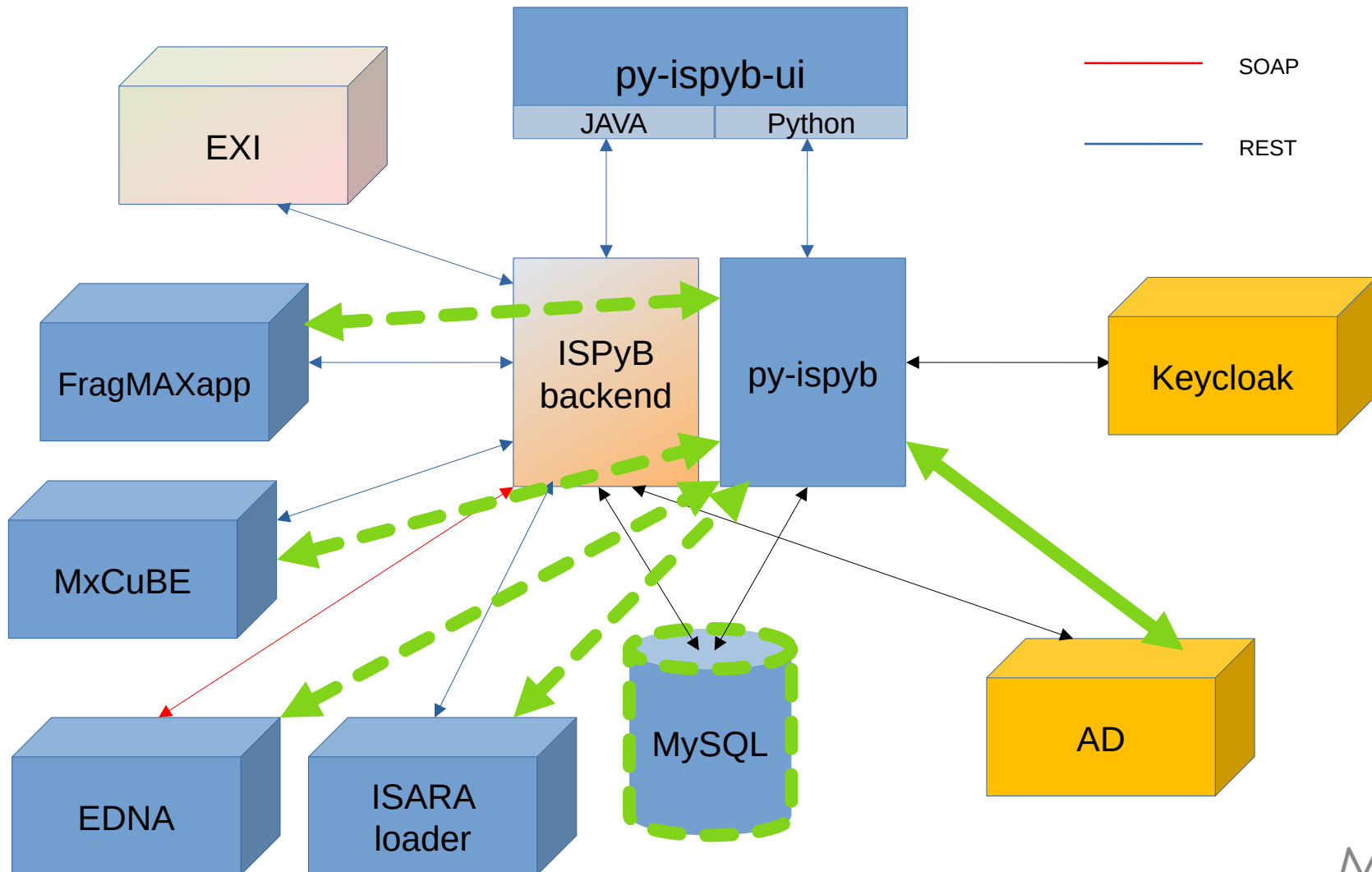
ISPyB 4 + EXI (ext-js)

ISPyB 4 + EXI2 (react)

First commit
Jan 2023

py-ispyb (python + FastAPI) + py-ispyb-ui (react)

MAXIV

Current structure

New structure

EXI

py-ispyb-ui

JAVA   Python

SOAP

REST

FragMAXapp

ISPyB
backend

py-ispyb

Keycloak

MxCuBE

EDNA

ISARA
loader

MySQL

AD

Why

- Old java backend with potential security risks at MAXIV

  - ISPyB server removed from the DMZ and only accessible from the internal networks or using the VPN

- New developers are familiar with new technologies and more people can join to the project
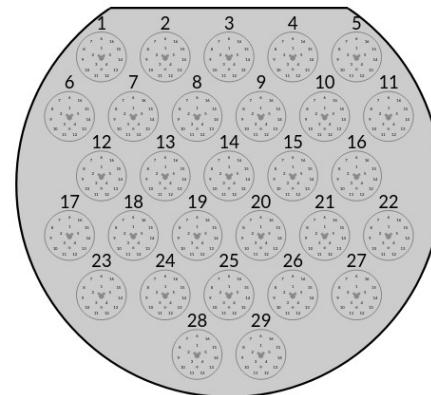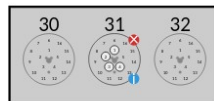
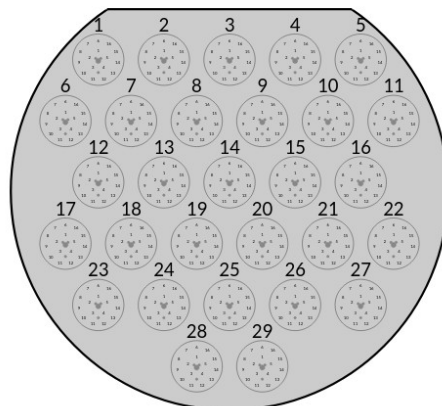 - I'm not alone anymore! Thank you Fabien

When

- Q4 2023
  - AD authentication plugin ready to be tested
  - MXCuBE test at BioMAX using java REST API
    - Sessions entrypoint (ready to be tested)
    - DataCollection entrypoints (soon)
- Q1-Q2 2024
  - MXCuBE + pyispyb-ui tests at BioMAX & MicroMAX using new backend
    - MX tests + new developments
- During 2024
  - MXCuBE + pyispyb-ui tests at MicroMAX
    - SSX tests + new developments
  - EDNA tests at BioMAX & MicroMAX

Where

- BioMAX
  - pyispyb-ui is now under testing and there is a list of customizations in the current EXI to be re-applied in pyispyb-ui.
  - Test MXCuBE with REST API calls
  - Test MXCuBE, ISARALoader and FragMAXapp with the new backend
  - Test EDNA with the new backend, (I'm not sure if our EDNA version can use the new backend or more development is needed)
- MicroMAX
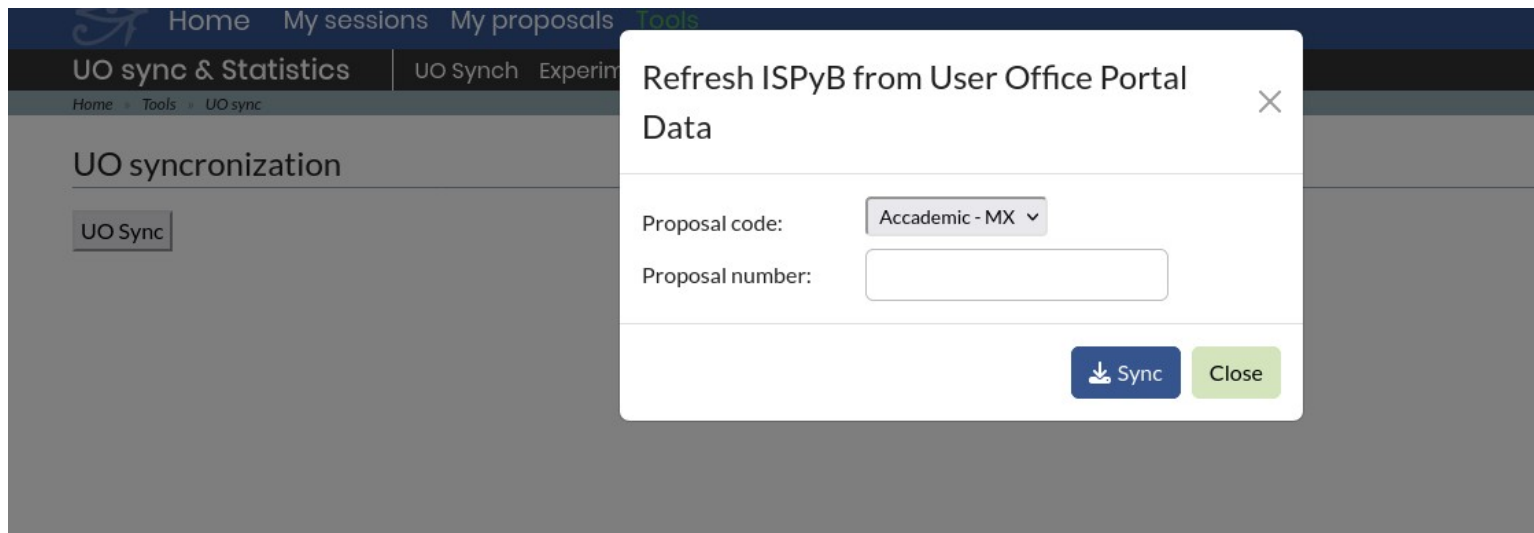 - Test MXCuBE with the new backend for MX and SSX

Some news

- New room temperature sample locations at BioMAX and MicroMAX

Some news II

- New synchronization button for users and managers (under testing)
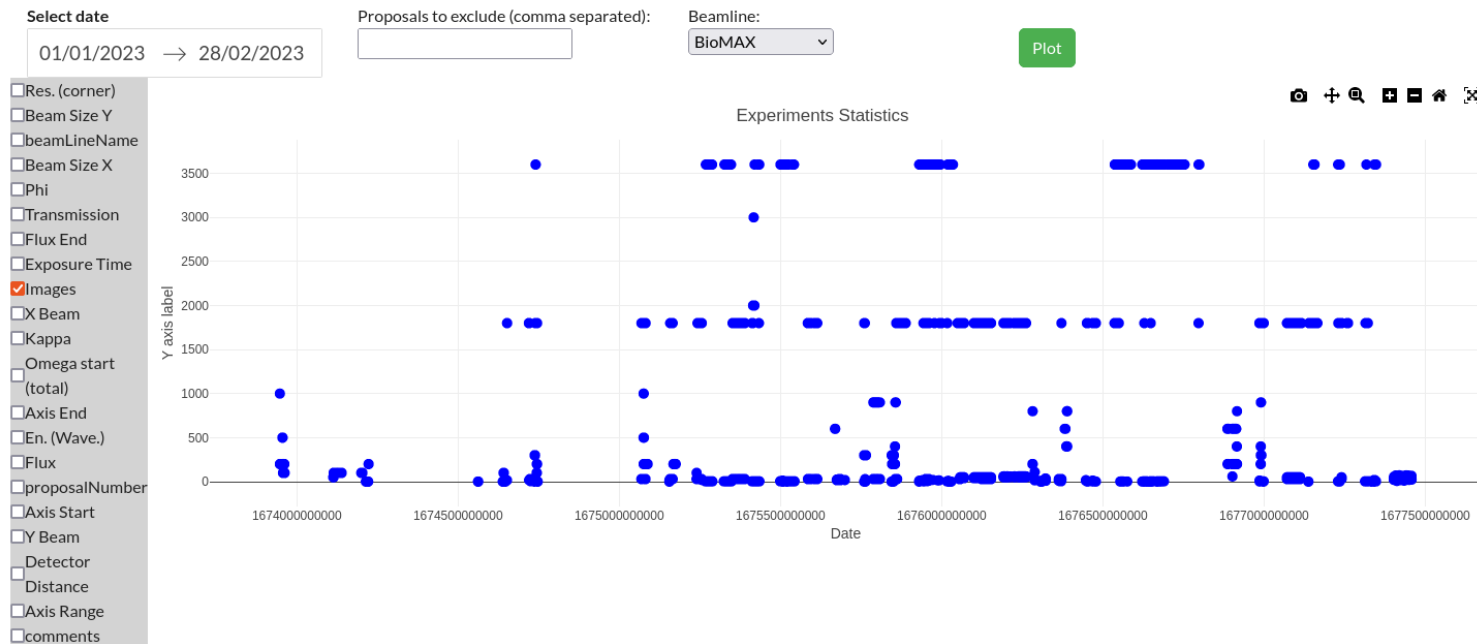
Some news III

- Starting testing IN prefix for proprietary proposals

Some news IV
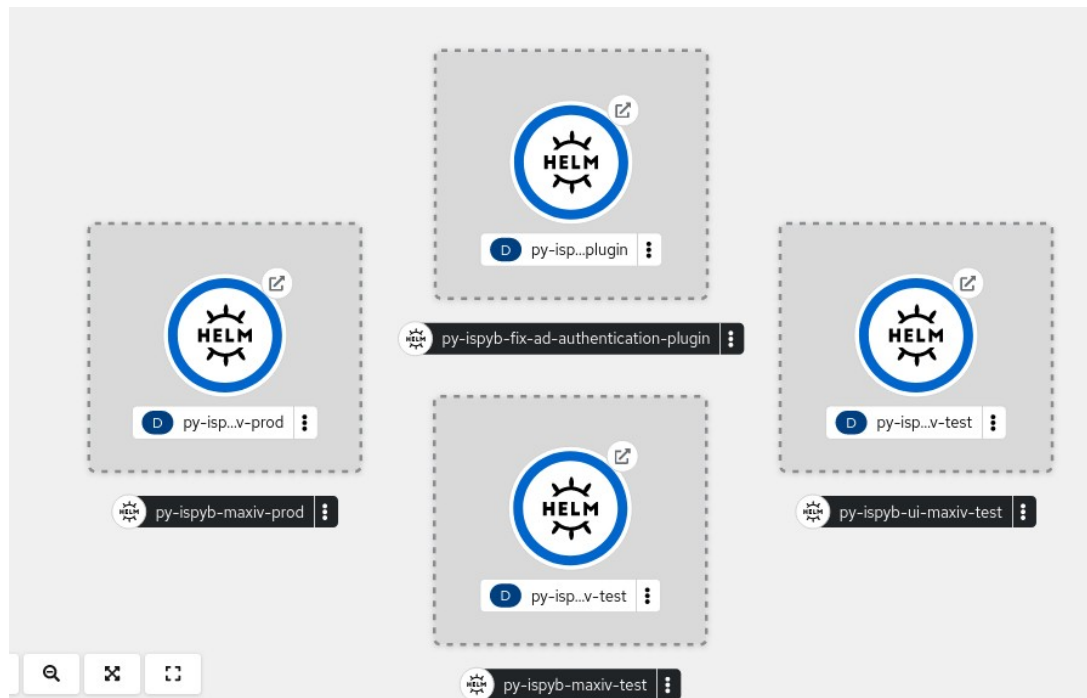
- New statistics pages used at BioMAX
  - Still under development

Some news V

- pyispyb and pyispyb-ui deployed to Kubernetes

Long term solution

- Scicat to store all ISPyB data
- Actually some metadata connected to the datacollection are stored in Scicat
- We should start storing the autoprocessing data too
- We need to start having regular meetings with Scicat group to have a well defined plan

Thank you very much