







EUDAT Pilot of the ECRIN Community: long-term storage of clinical trials data

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Individual participant level data (IPD)



Transparency and Access to research data are key factors of research

influences data quality and efficient use of data "Community Driven Cross-Infrastructure Joint Research"

- Development of a Pilot / Demonstrator for re-analysis / meta-analysis of anonymised patient data
 - Part of a research environment
 - Storage and access of individual participant level data
 - Semantic annotation, metadata management, access management (rights and responsibilities)
 - Collaboration with other research infrastructures
 - Involvement of e-Infrastructures as service providers



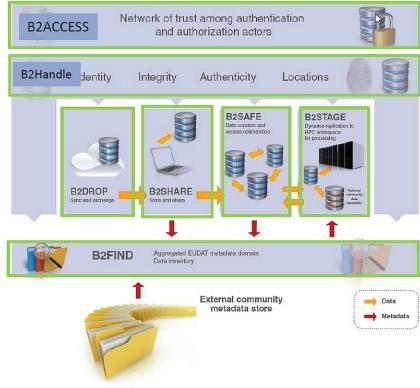


EUDAT Services



B2 Service Suite











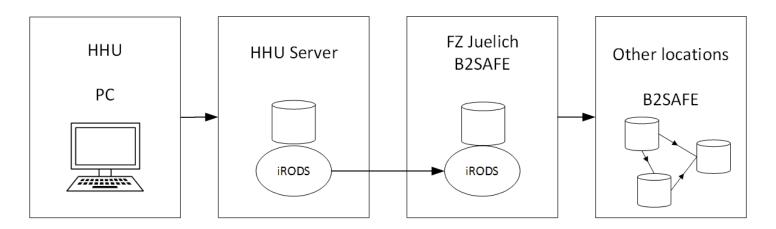
ECRIN Pilot / Demonstrator

- Implementation of an IT platform and corresponding procedural solutions
- B2SAFE for long-term storage of clinical trials data
 - Possibility to add other EUDAT services according to requirements of the ECRIN community
 - Full control by data manager of the community
- But:
 - Encryption of data necessary
- Advanced Use Case
 - B2FIND for publication of metadata
 - B2SHARE for distribution of open information



EUDAT pilot architecture

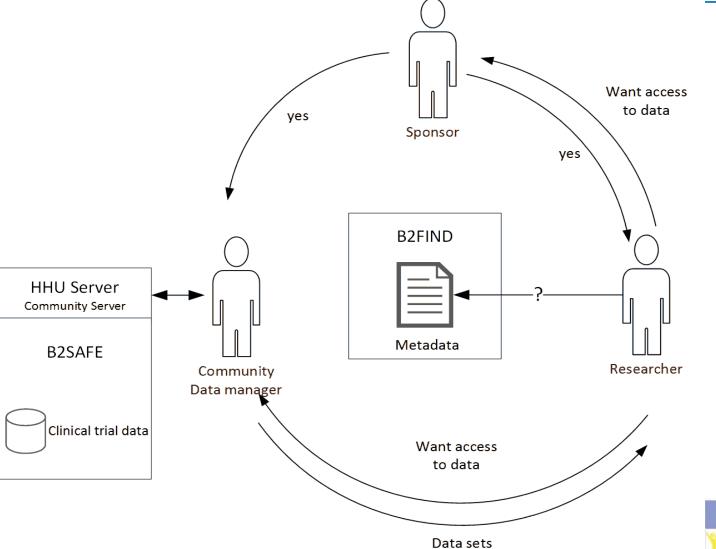
Basic configuration







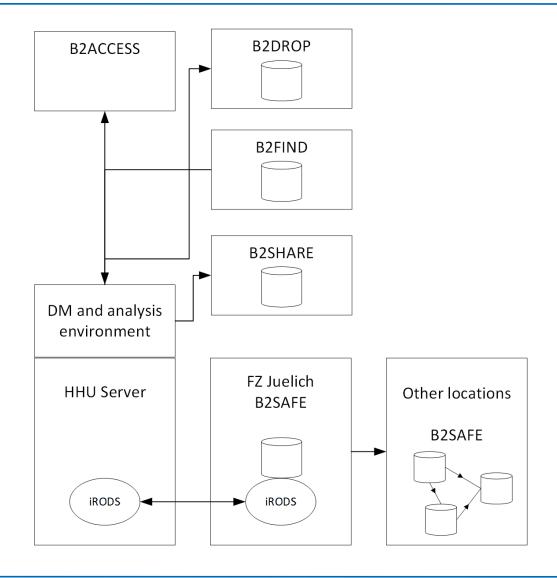
Use Case







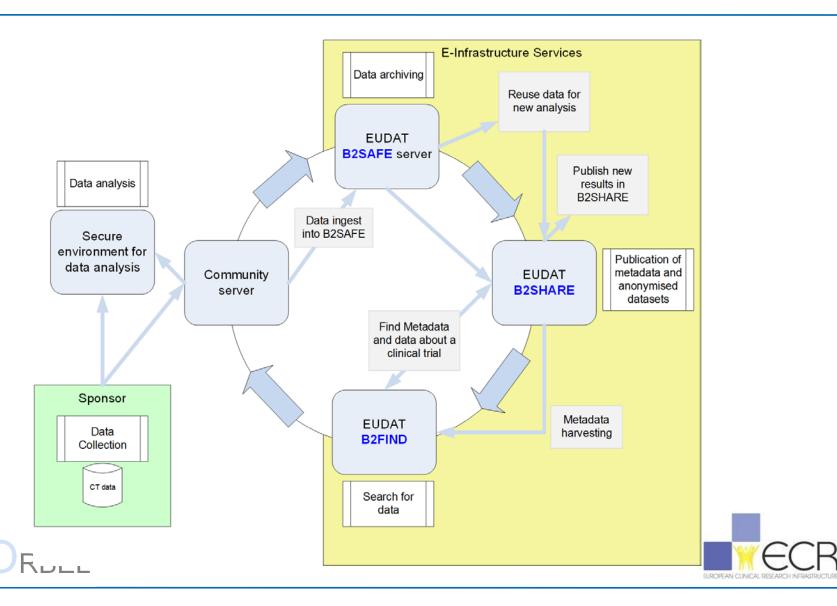
Advanced configuration







Advanced scenario for pilot



EUDAT Working Group on Sensitive Data: problem statement

Sensitive data

- Needs special protection
- Can only be made available under certain conditions: informed consent or anonymisation
- Obligation to provide sufficiently strong access protection against any unauthorized user
- Unfortunately, most research infrastructures have only limited facilities to support sensitive data sharing





Sensitive data compliant EUDAT Services

B2SHARE for secure storage

- Currently open access only with possibility of embargoes
- Metadata is always open access
- Support for access control (not in current version)

B2SAFE for secure long-term storage

- Authentication and authorization available
- Dedicated iRODS zones with sensitive data policies
- Encryption / anonymisation of data
- Authentication / authorisation services, deidentification, anonymisation services, virtualisation



Thank you!

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