



DICE

Data Infrastructure Capacity for EOSC

Persistent identifiers for research data - B2HANDLE

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B2HANDLE
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Good day support,

I am interested in **using PID** to the repository of data that we are handling.

What do you have to do to sign me up?

Best regards

raw data

Hi B2HANDLE support,

Please provide me with an account I can use to **obtain PIDs** for an application we're creating to store and publish our University's working papers.

Kind regards,

working papers

Hello support !

I'm writing to you to get some **technical support** for a project. The task at hand is to **issue** data products persistent, unique **identifiers**, using your service. There are some technical issues around doing this which I would like to request some support for.

metadata

What do they want to do



Different Users

Different Data

metadata
raw data
papers

Findable

What do they want to do



Different Users

Different Data

metadata
raw data
papers

with a common goal

What do they want to do



Different Users

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with a common goal



Findable

Accessible



Interoperable

Reusable



B2HANDLE is the distributed service for storing, managing and accessing persistent identifiers (PIDs) and essential metadata (PID records) as well as managing PID namespaces. B2HANDLE is a service designed to contribute to **data persistency** by maintaining **opaque, globally unique PIDs**. A PID persistent identifier is a long-lasting reference to a digital resource. PIDs are used to **reliably identify** and cite data objects over a long period of time and it is thus a vital part of **long-term data management**.

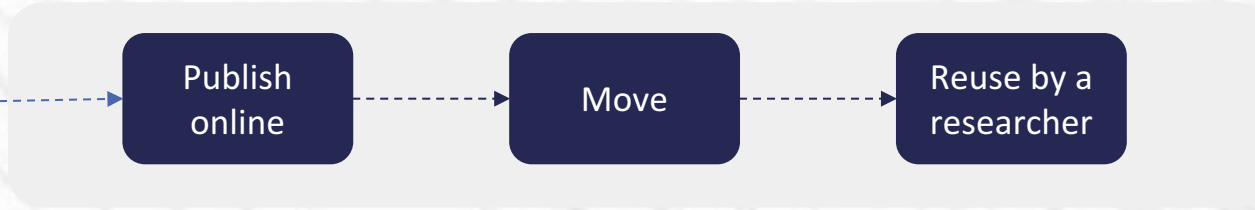
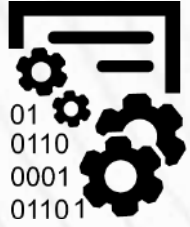
Features / Options

- Hosting: obtain Handle Prefixes for your own use
- Support for reverse look-ups of Handle records
- Globally resolvable identifiers via the Global Handle Network
- Handle records can be customised to community and organisational needs

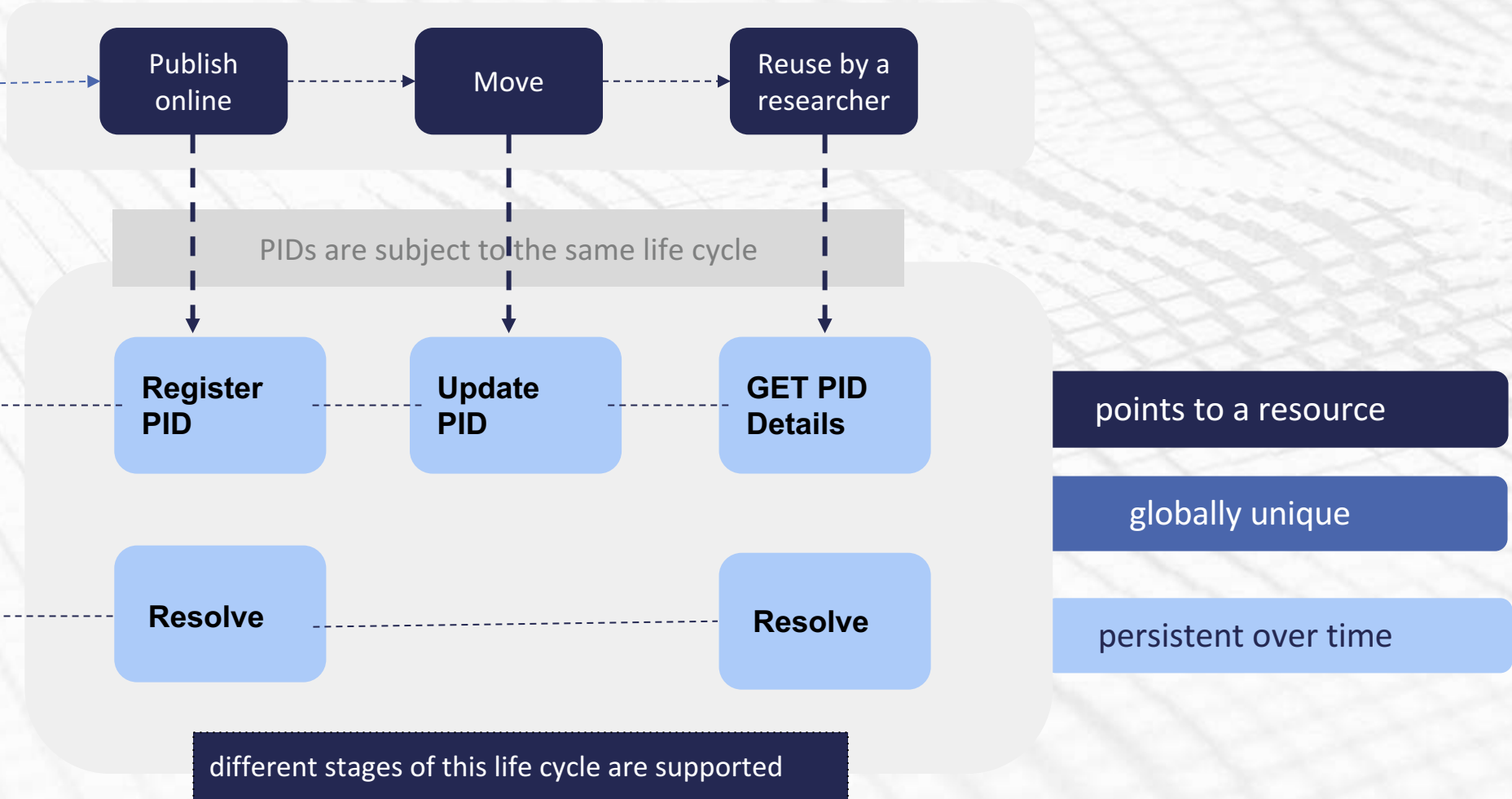
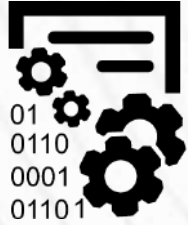
favours simplicity and flexibility

- Technology Agnostic
- Simple Integration
- REST API for easy registration and minting of PIDs
- Python library

B2HANDLE and Data Life Cycle



B2HANDLE and Data Life Cycle





B2SAFE
Replicate Research Data Safely

PIDs to resources



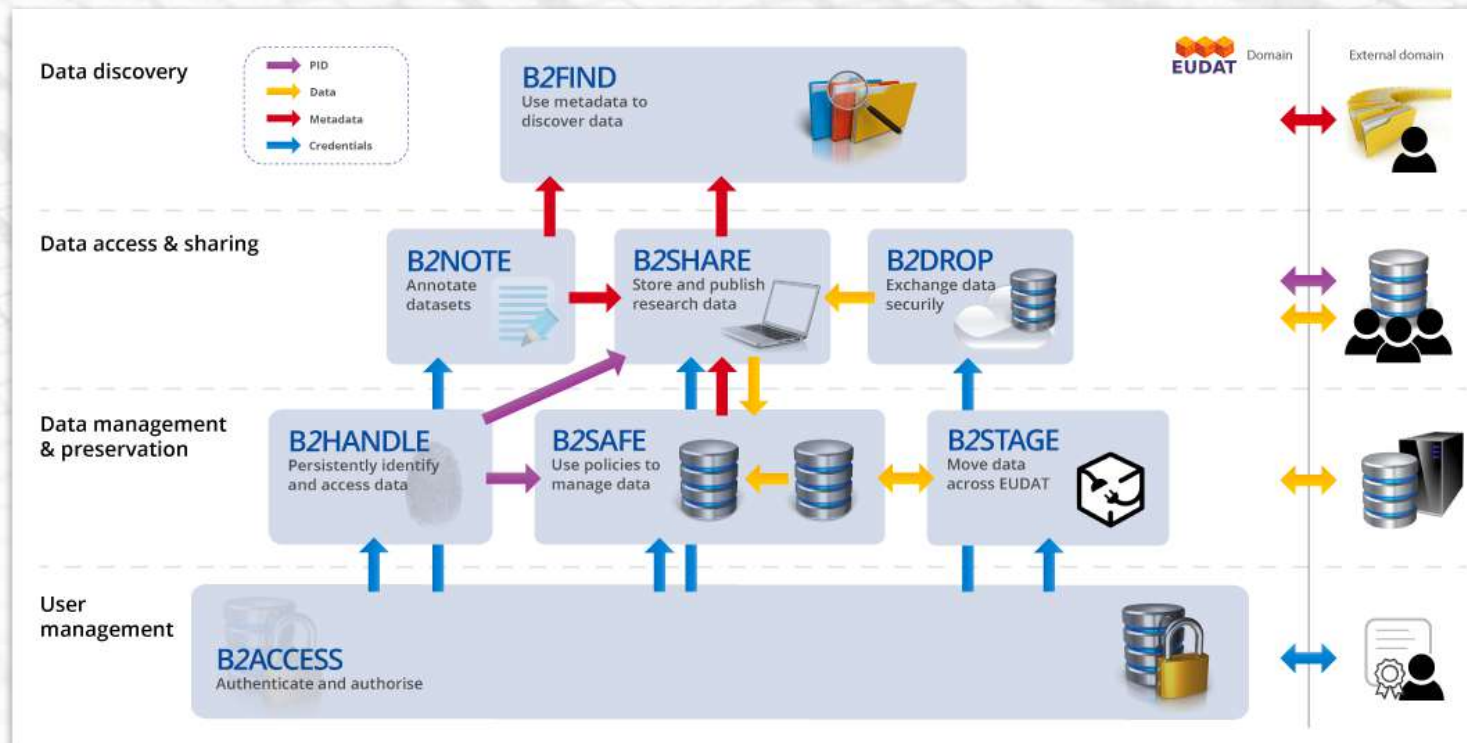
B2FIND
Find Research Data

PIDs identify the described resource, to facilitate a persistent link to the research data



B2SHARE
Store and Share Research Data

PIDs to every object



More about B2HANDLE?

Request to use the service through EOSC



Read about B2HANDLE

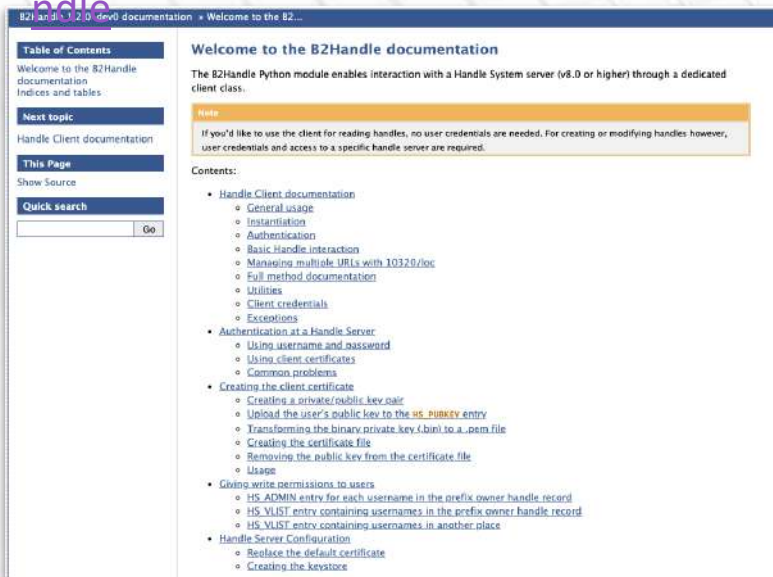
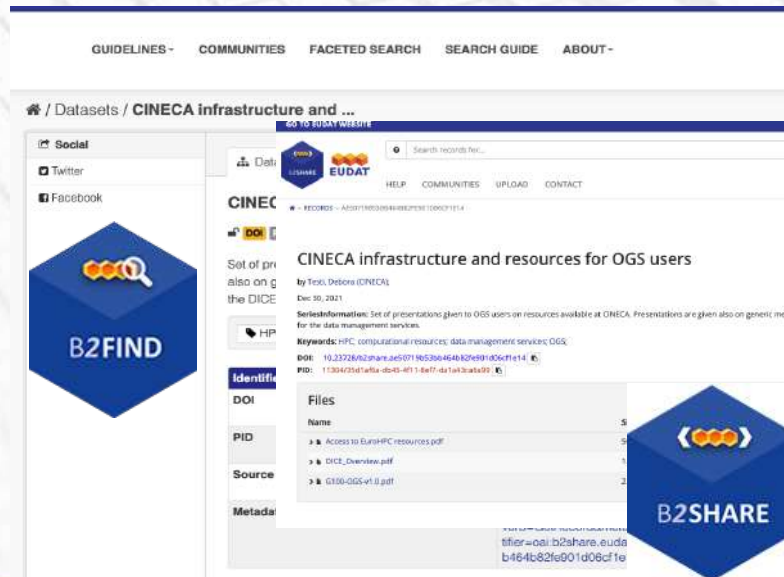
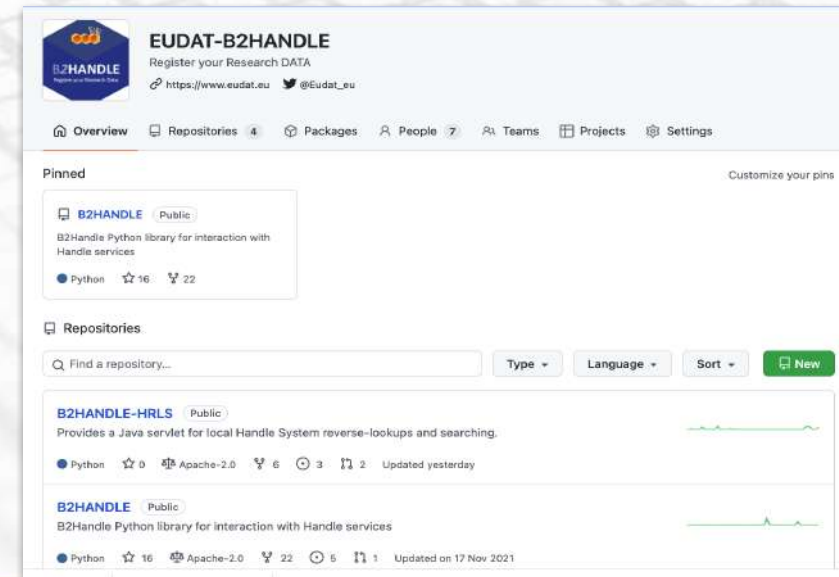
Test B2HANDLE

Start using B2HANDLE

<https://eudat.eu/services/userdoc/b2handle>

<https://www.b2share.eu/>

<https://github.com/EUDAT-B2HANDLE>



Thank you

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