EUDAT AAI

overview

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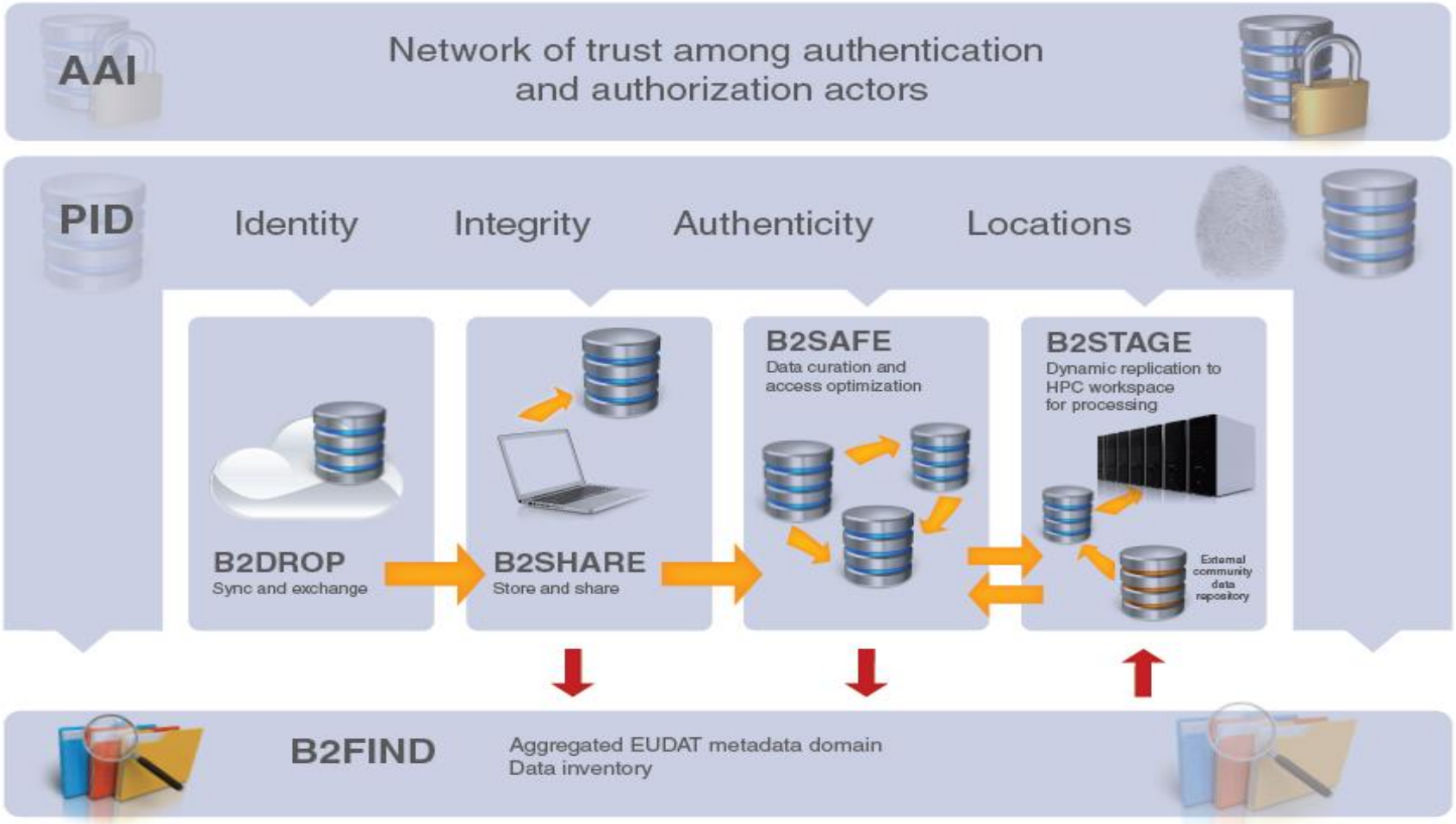
EUDAT

eudat.eu

B2ACCESS
Identity & Authorisation

Provide access to EUDAT Services
by using existing Identity federations and protocols



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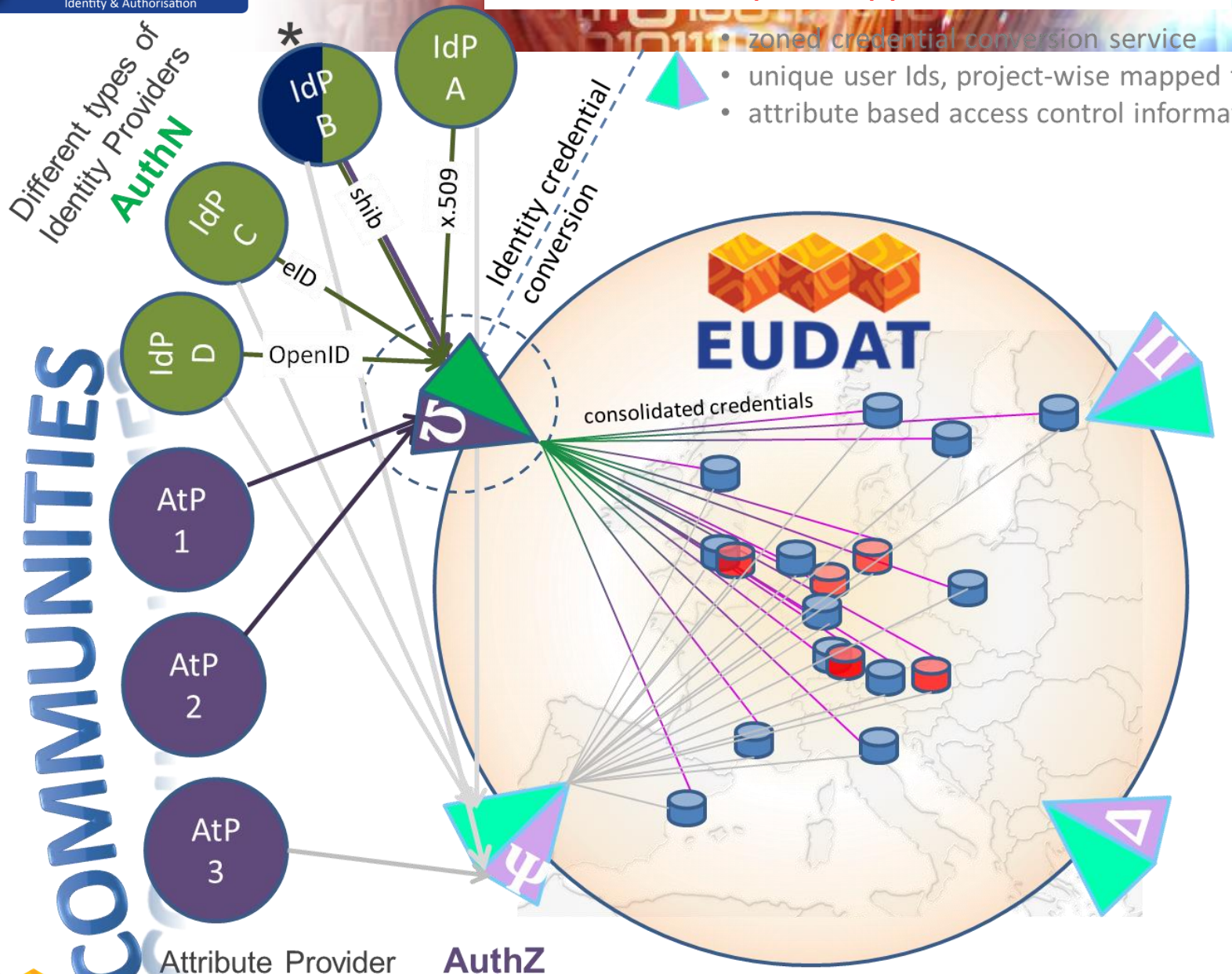
General Conceptual Approach

- zoned credential conversion service
- unique user Ids, project-wise mapped to
- attribute based access control information



either community-managed or (*) attributes provided by user's home IdP are reused

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Federated AAI in two steps

- Authenticating *to* EUDAT
  - making use of **external** IdP federations **!**
  - EUDAT's run an own IdP (e.g. for user who are not affiliated to an institutional IdP)
  - Multi-protocol: SAML, OpenID Connect, X.509
- Authenticating *in* EUDAT
  - creating internal short-lived X.509 credential with AuZ
    - drives a range of protocols (Web and non-Web)
    - hidden from users (option to download)
  - mainly OAuth2 for delegation, not necessarily GSI

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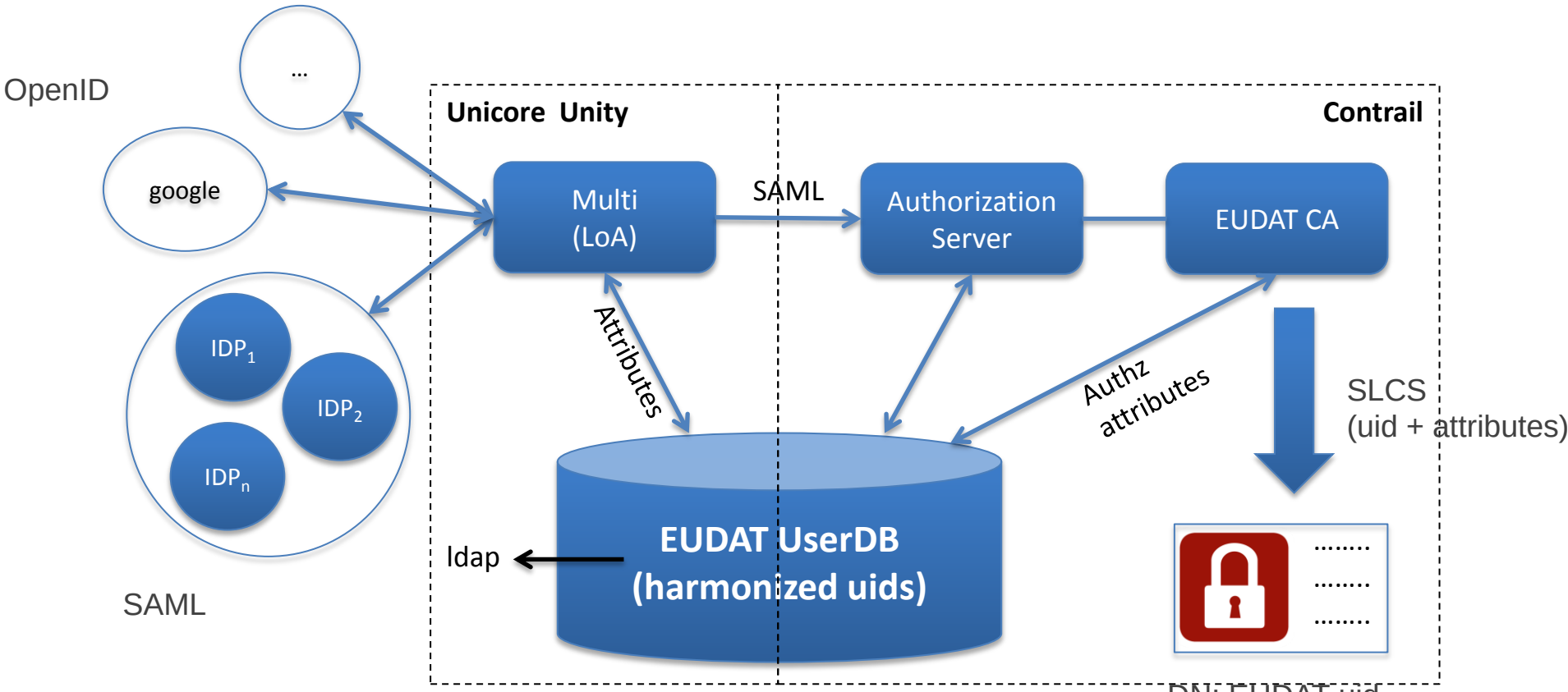
EUDAT AAI approach



DN: EUDAT uid
Attributes:

- Community uid
- …

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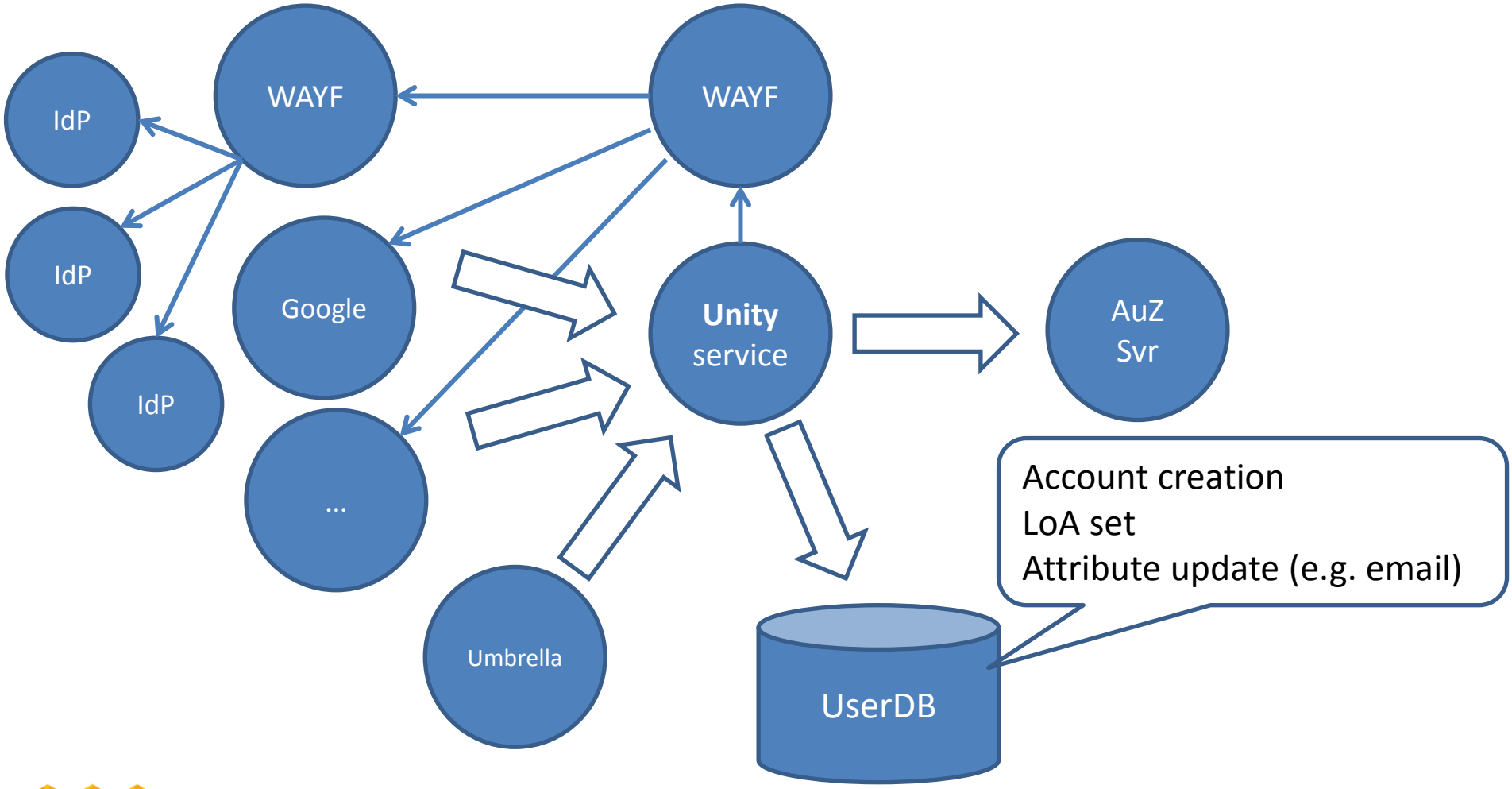
How does the WAYF (auth bridge) work?



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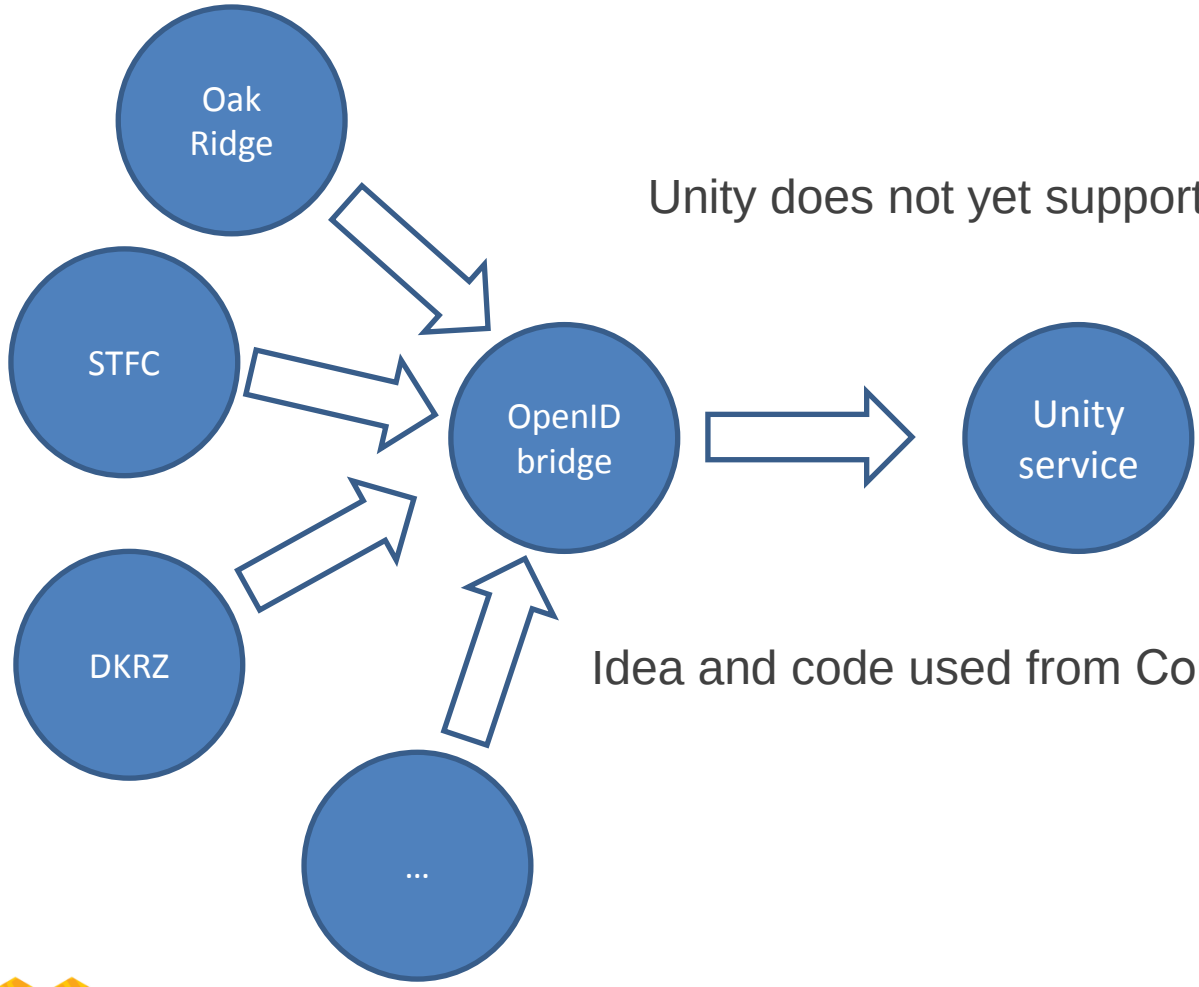
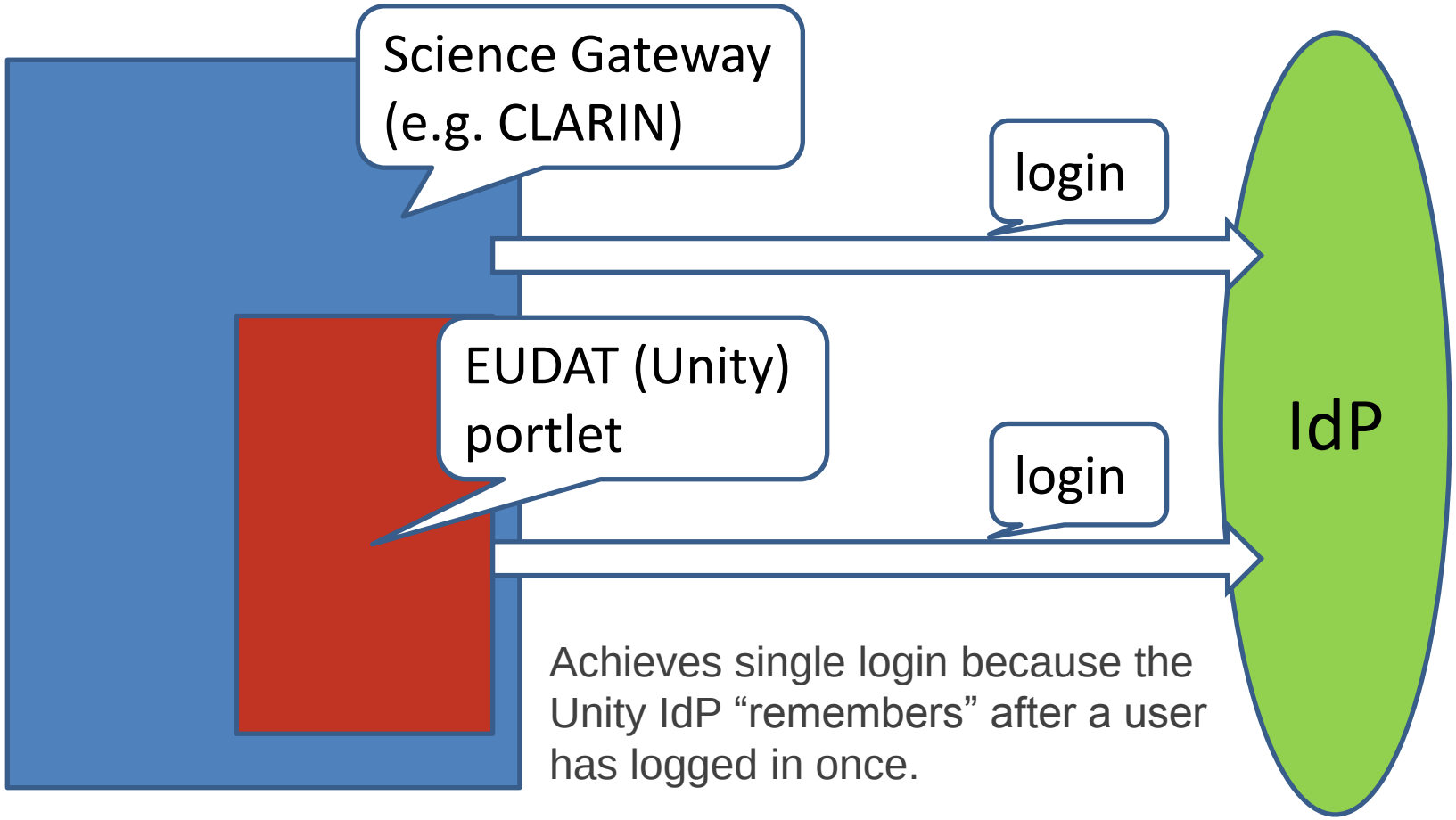
Support for OpenID via a bridge (ENES)



Unity does not yet support OpenID directly

Idea and code used from Contrail: build a “bridge IdP”

EUDAT portlet for the CLARIN science gateway



Non-Web (command-line) access to the Unity IdP supported as well (Unity has a REST interface)

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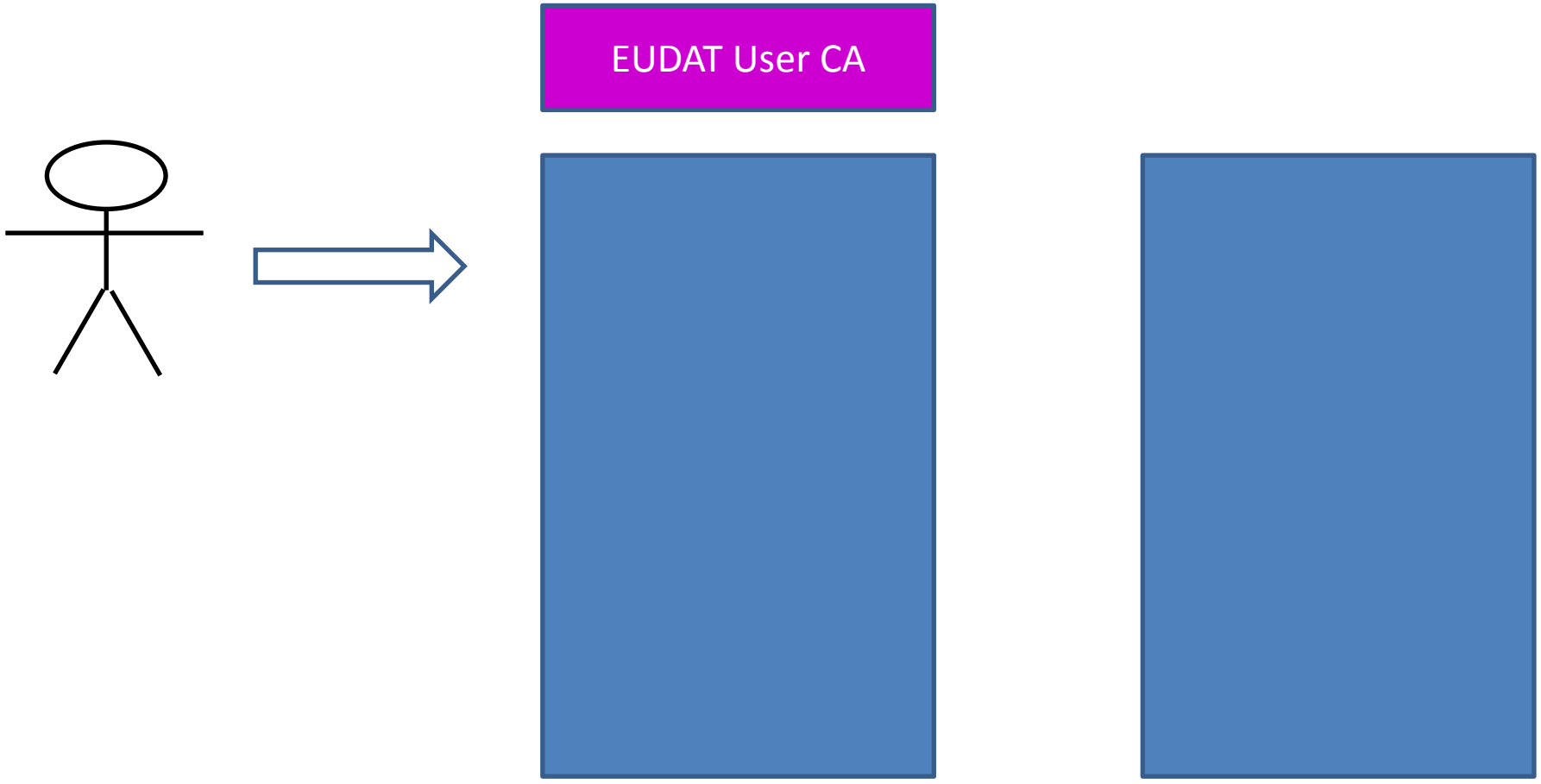
Accessing Data Via Portal



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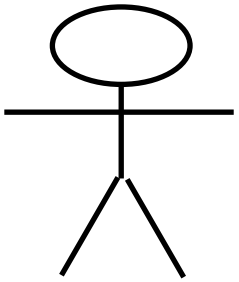
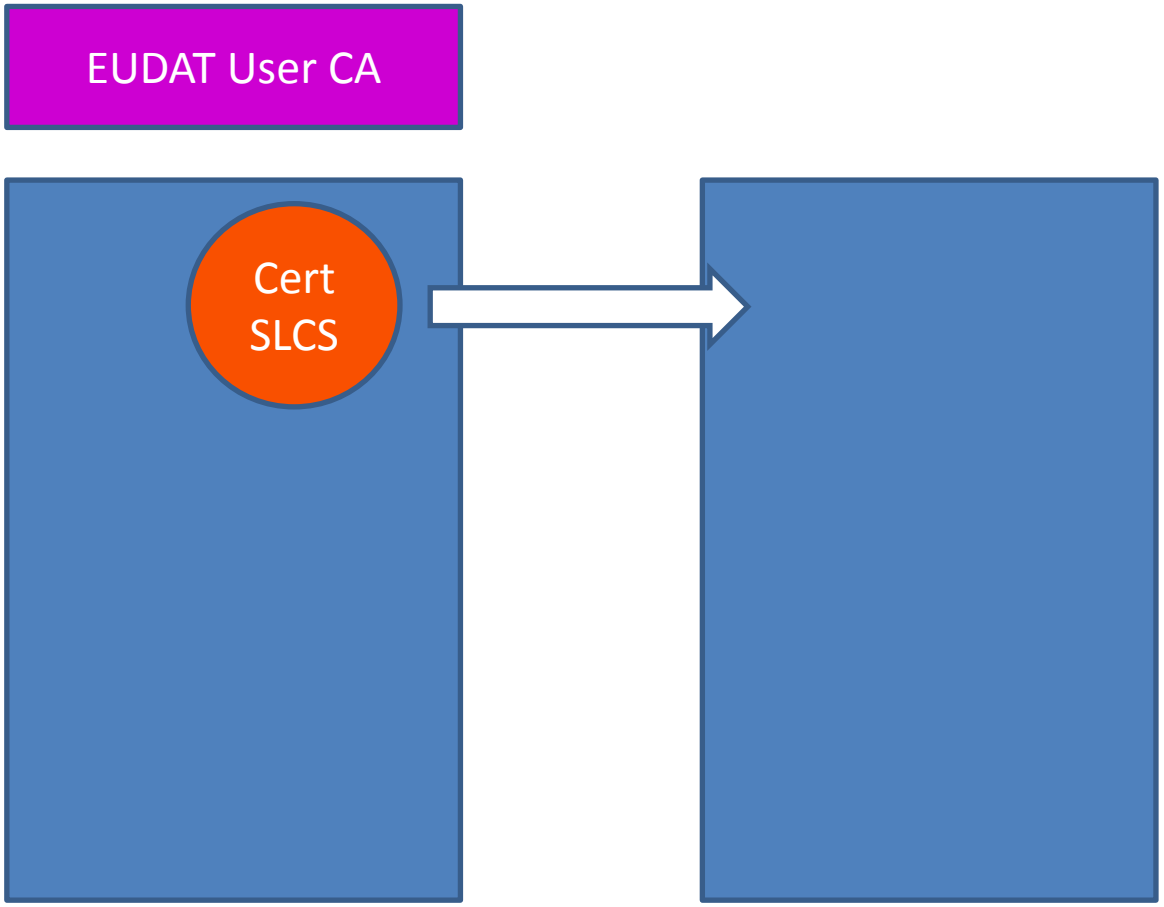
Accessing Data Via Portal





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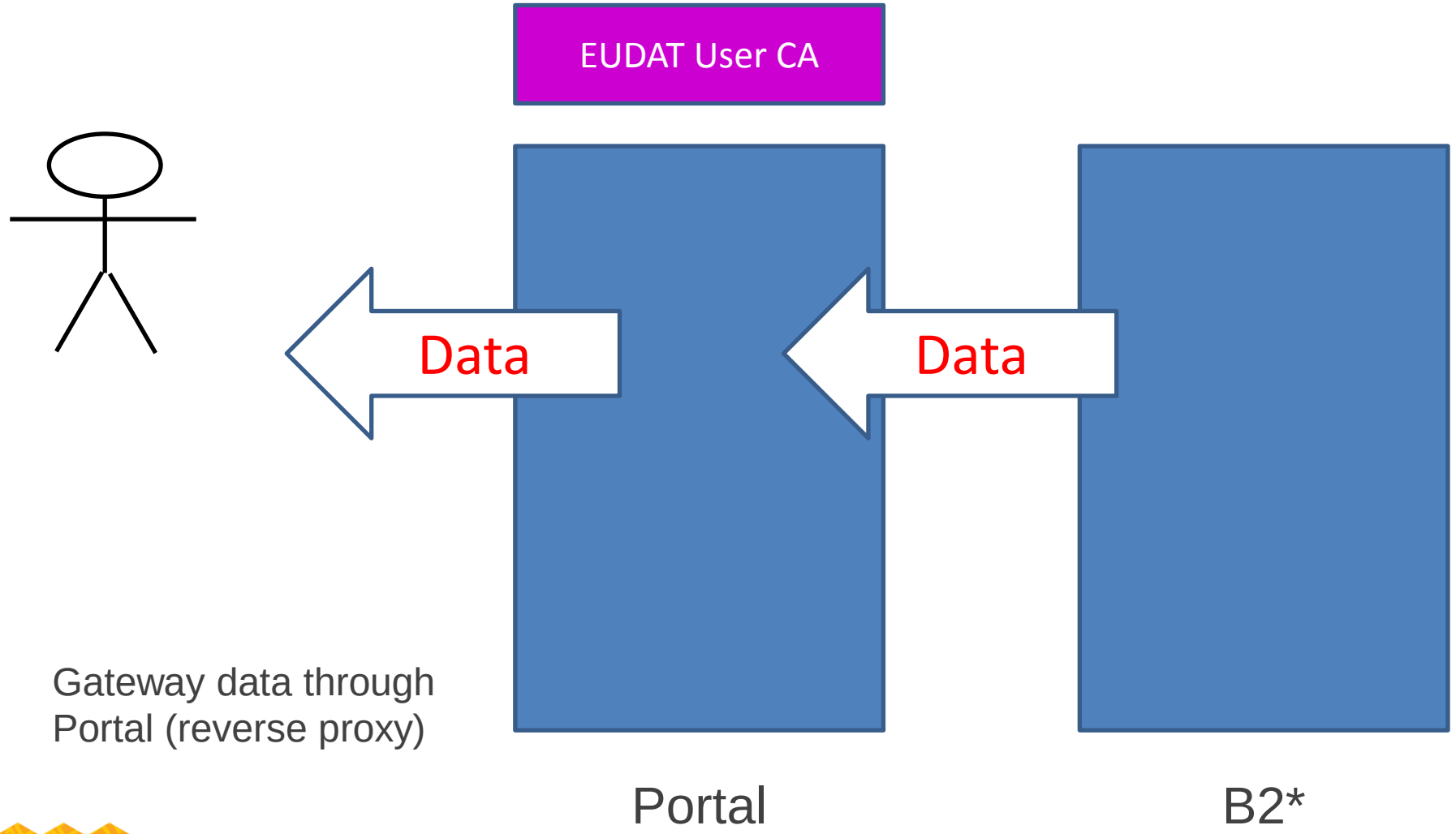

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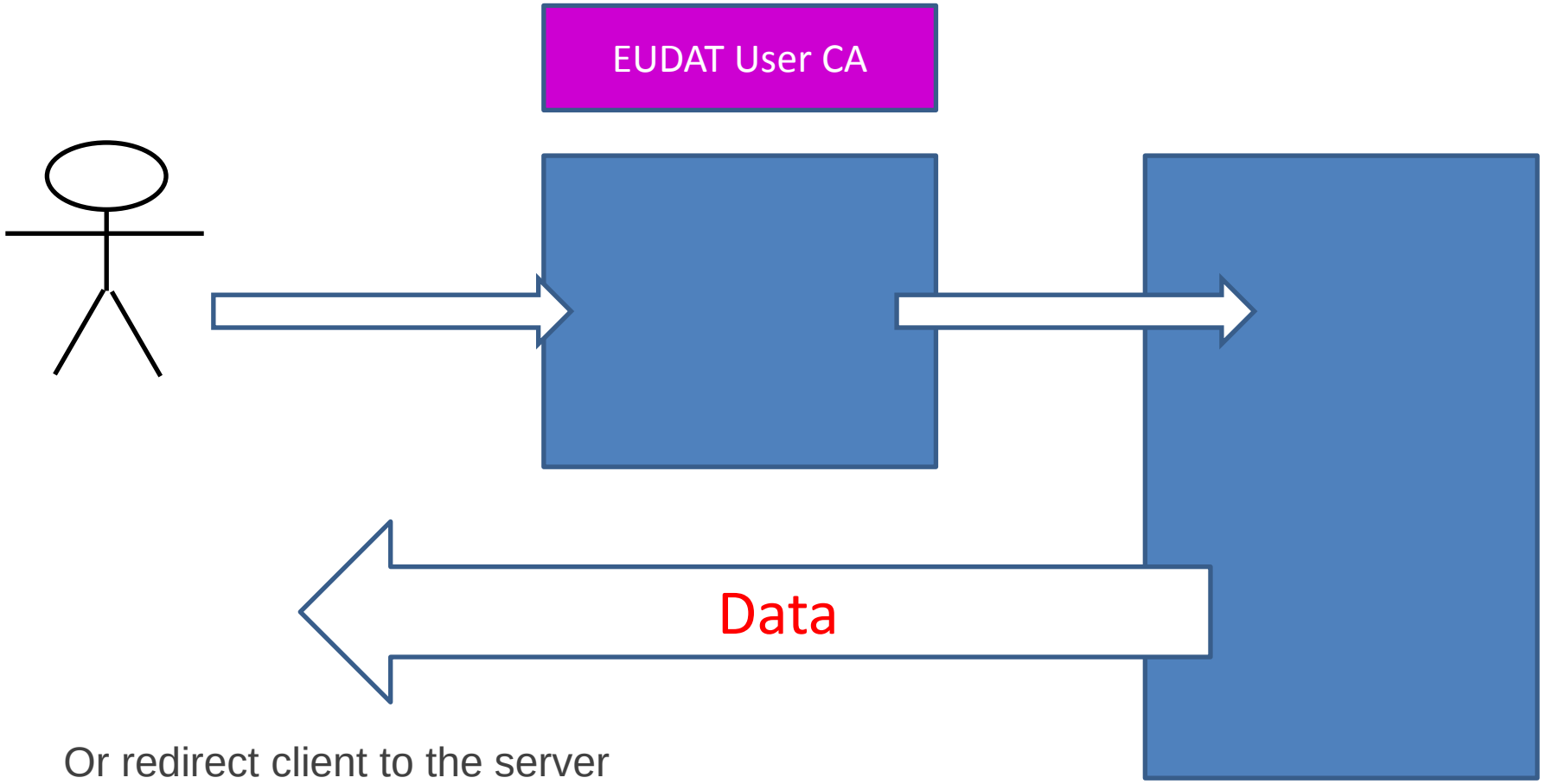
Accessing Data Via Portal



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Current Status

- EUDAT AAI pilot implemented
- AAI integration with B2SAFE done
- Work on getting B2SHARE (repository), B2DROP (shared workspace) integrated.
- Pilots with Science Gateways of CLARIN (done), ENES (progress), EPOS (next)
- Working on making use of eduGain

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Community Integration

- Community integration needs efforts
  - also from the communities
- Needs *real* community identites
- Several options for integration with the EUDAT IdM based on the Unity service
  - options for portal integration
  - authentication via command-line tools supported
- EUDAT aiming to collaborate with other AAI efforts (e.g. AARC, eduGain)

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we can explain more details …..

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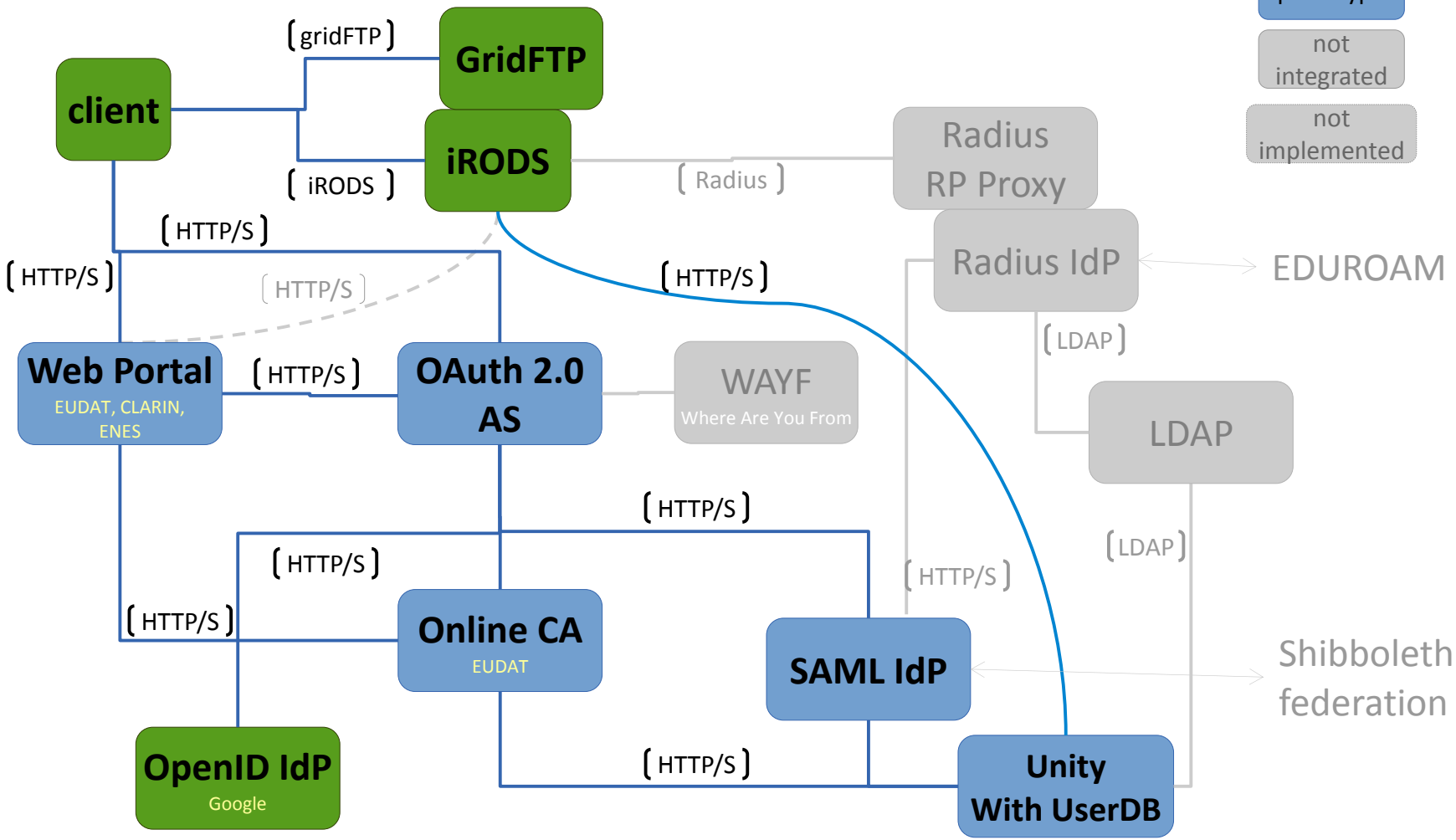
EUDAT AAI current status



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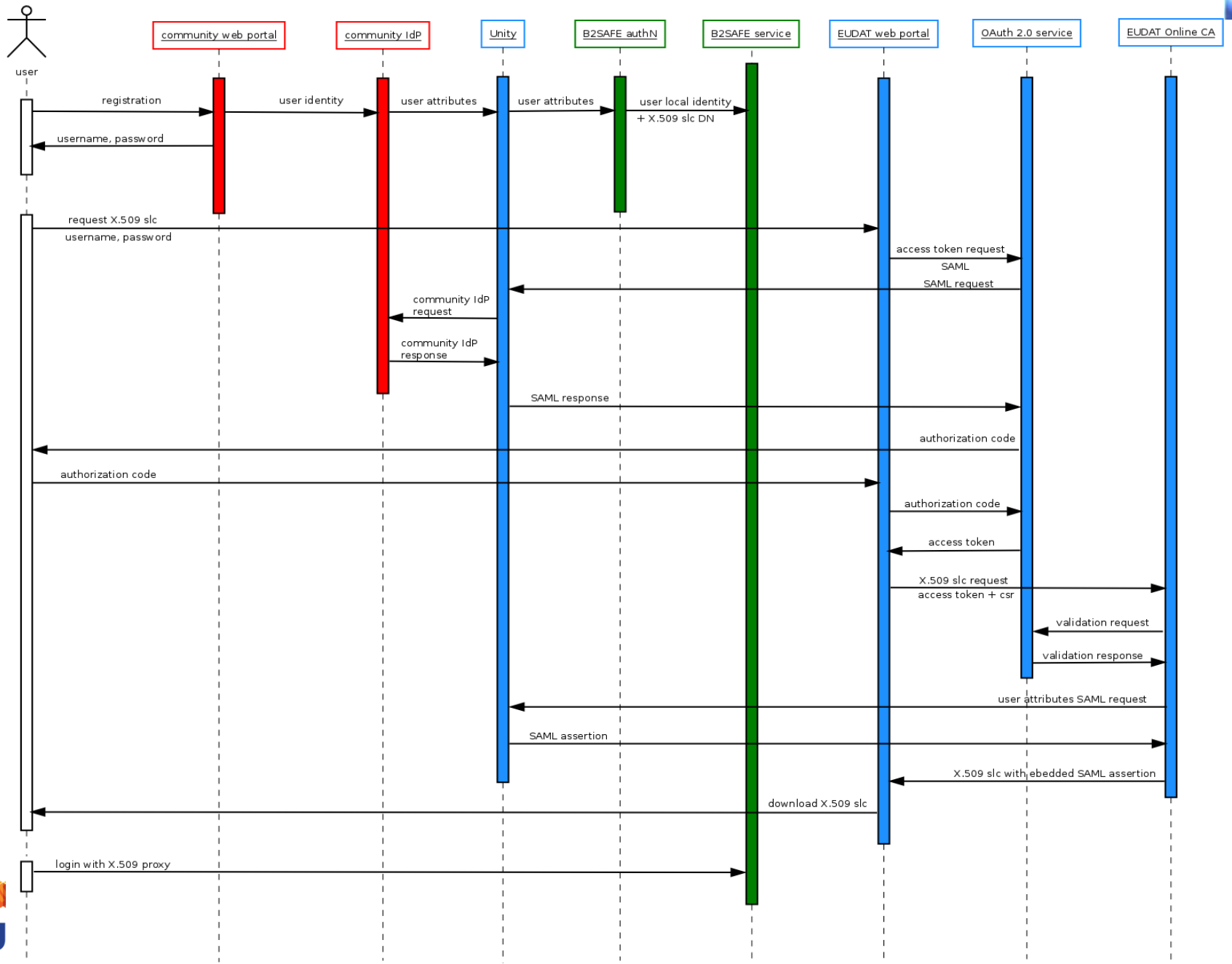
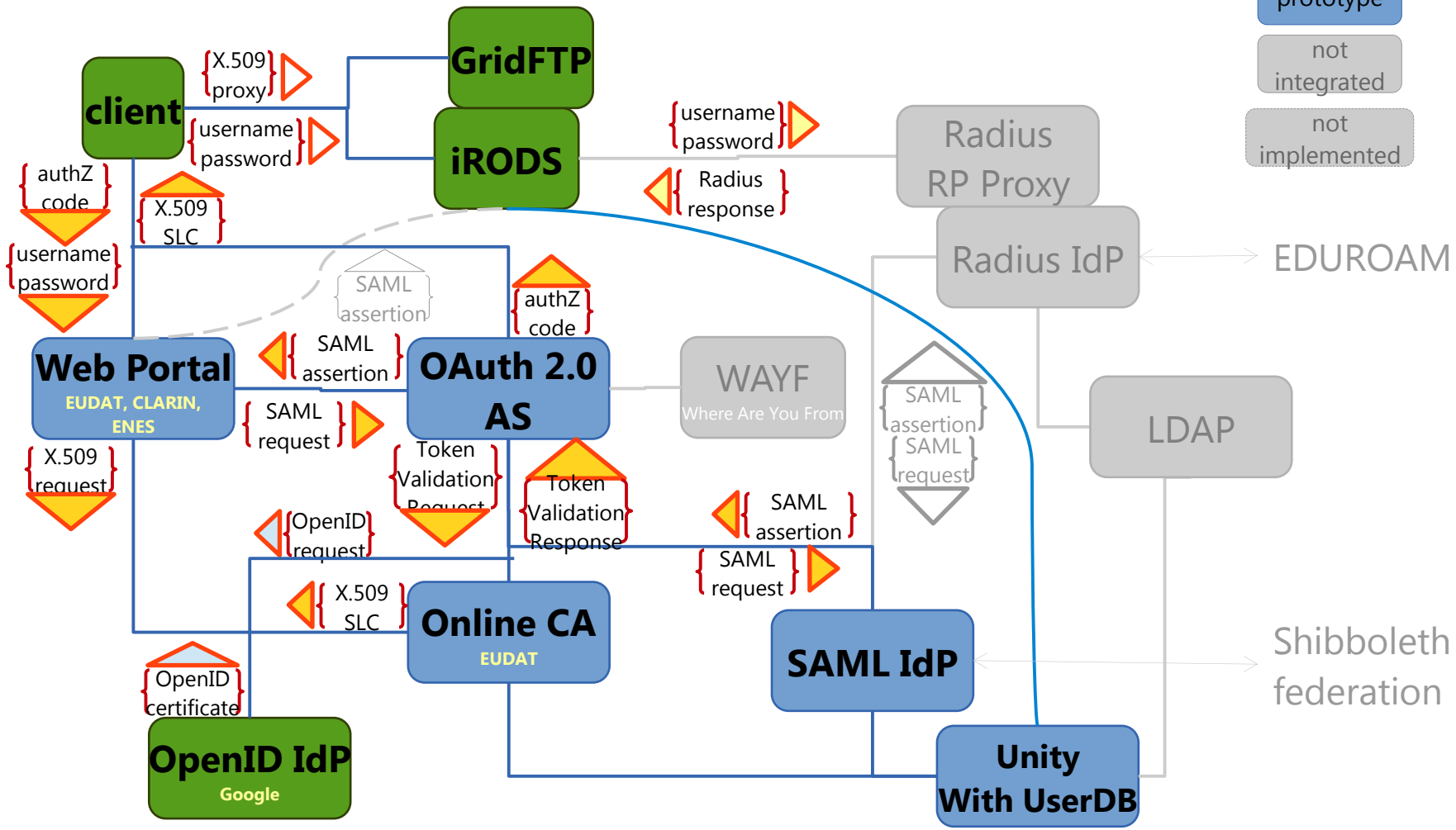
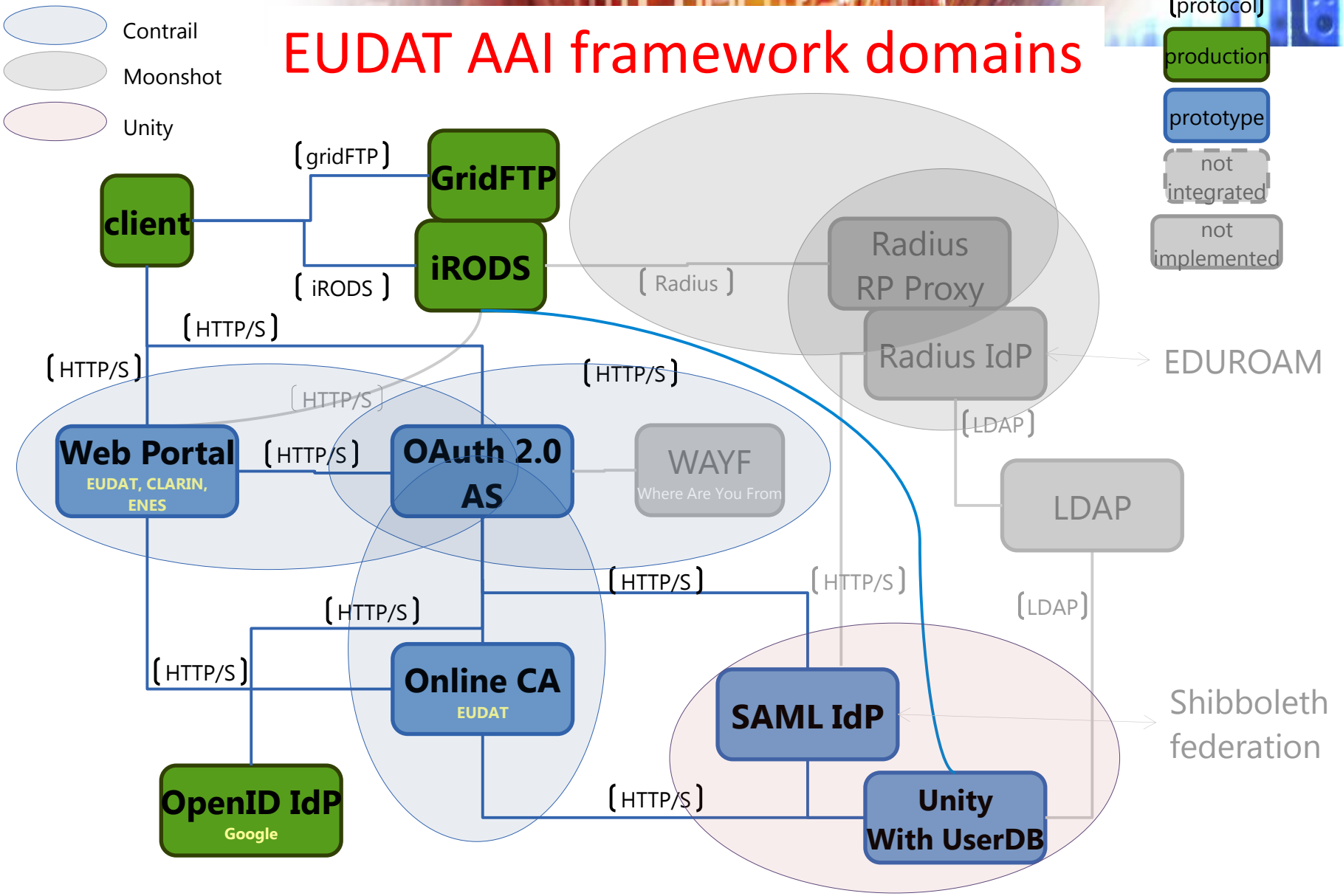
EUDAT AAI sequence diagram



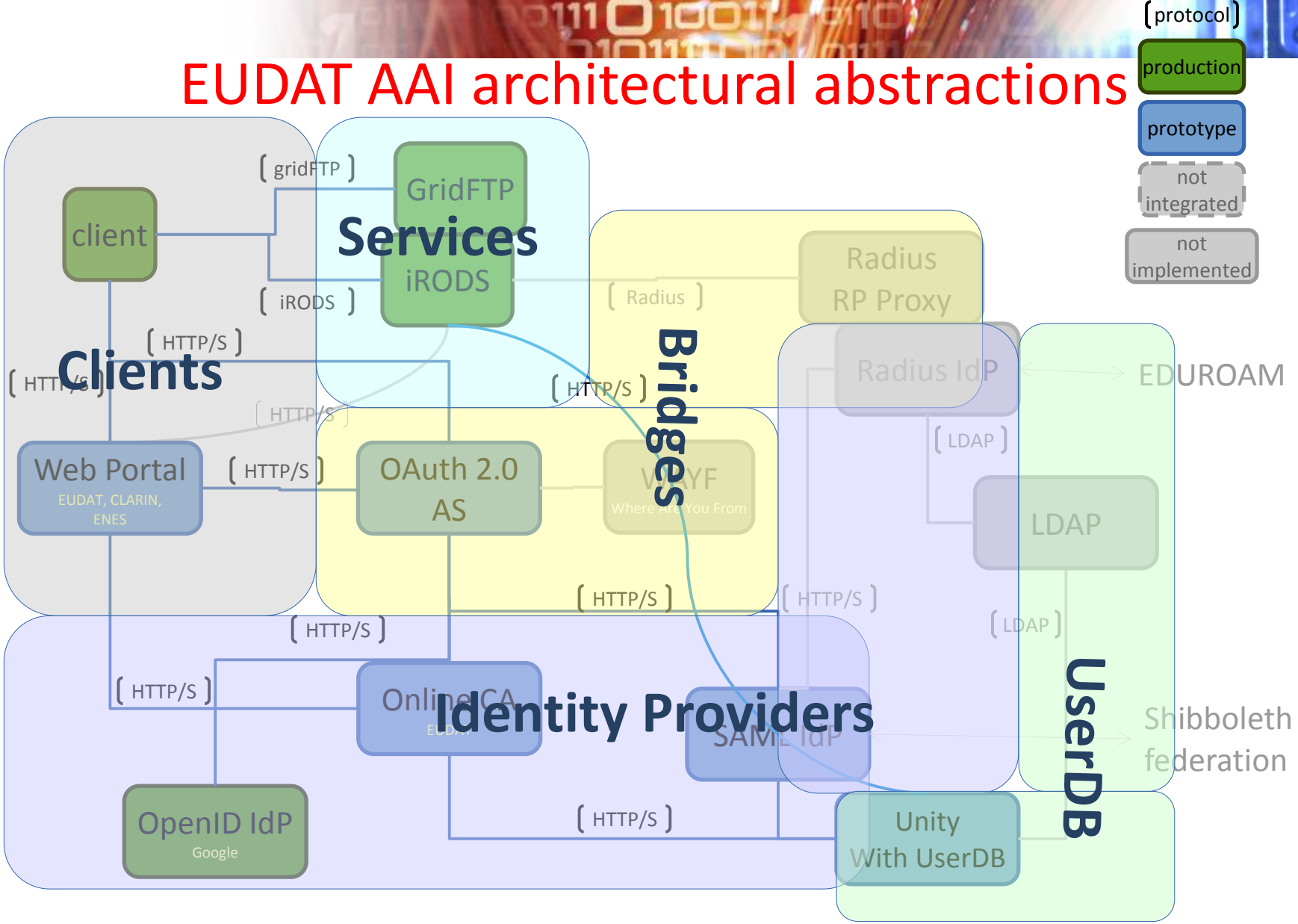
EUDAT AAI user credential flow



EUDAT AAI framework domains



EUDAT AAI architectural abstractions



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