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# Update DFN edu-ID

eduID TIIME Side Meeting @Nikhef | February, 9th, 2026

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## The Story so far

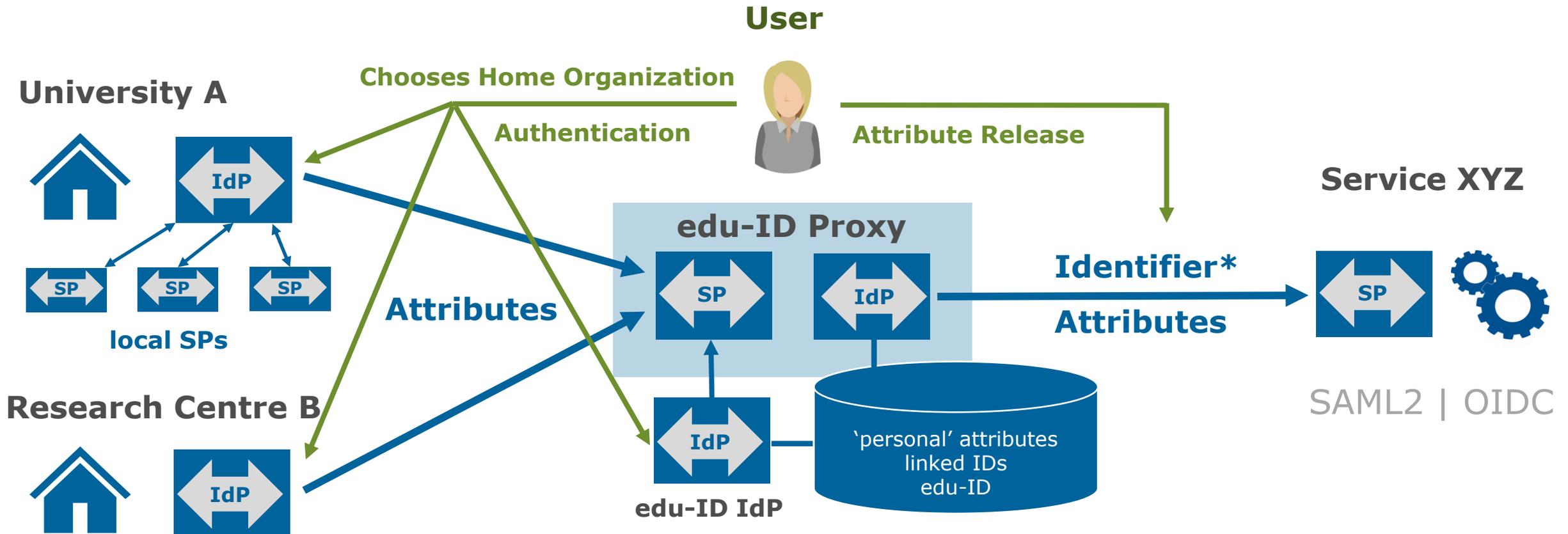
- ▶ Originally inspired by the concept of SWITCH edu-ID
- ▶ Community-driven development of DFN edu-ID concept since March 2019
  - ▶ Significant differences from SWITCH's approach
- ▶ Working Group published a [technical concept](#) and a [whitepaper](#) in 2022
- ▶ Based on the technical concept, a proof of concept implementation was developed at DFN-CERT
- ▶ Pilot Phase since April 2025
- ▶ <https://doku.tid.dfn.de/en:aai:eduid:start>

## Basic features and requirements

- ▶ Lifelong, user-managed digital identity
- ▶ Uninterrupted access to services/credentials/resources
- ▶ Support for VO Management of research projects and infrastructures, especially in terms of user mobility
- ▶ Identity Provider for Guest Users / Citizen Scientists
- ▶ Portability of user data, account linking (attributes, identifiers like ORCID)
- ▶ edu-ID System as identity proxy
  - ▶ Home IdPs as authentication source, their attributes are passed through
  - ▶ Only the core attributes provided by the users are stored

# edu-ID System as Proxy

For 'homeless' users, the edu-ID IdP is the only authentication source

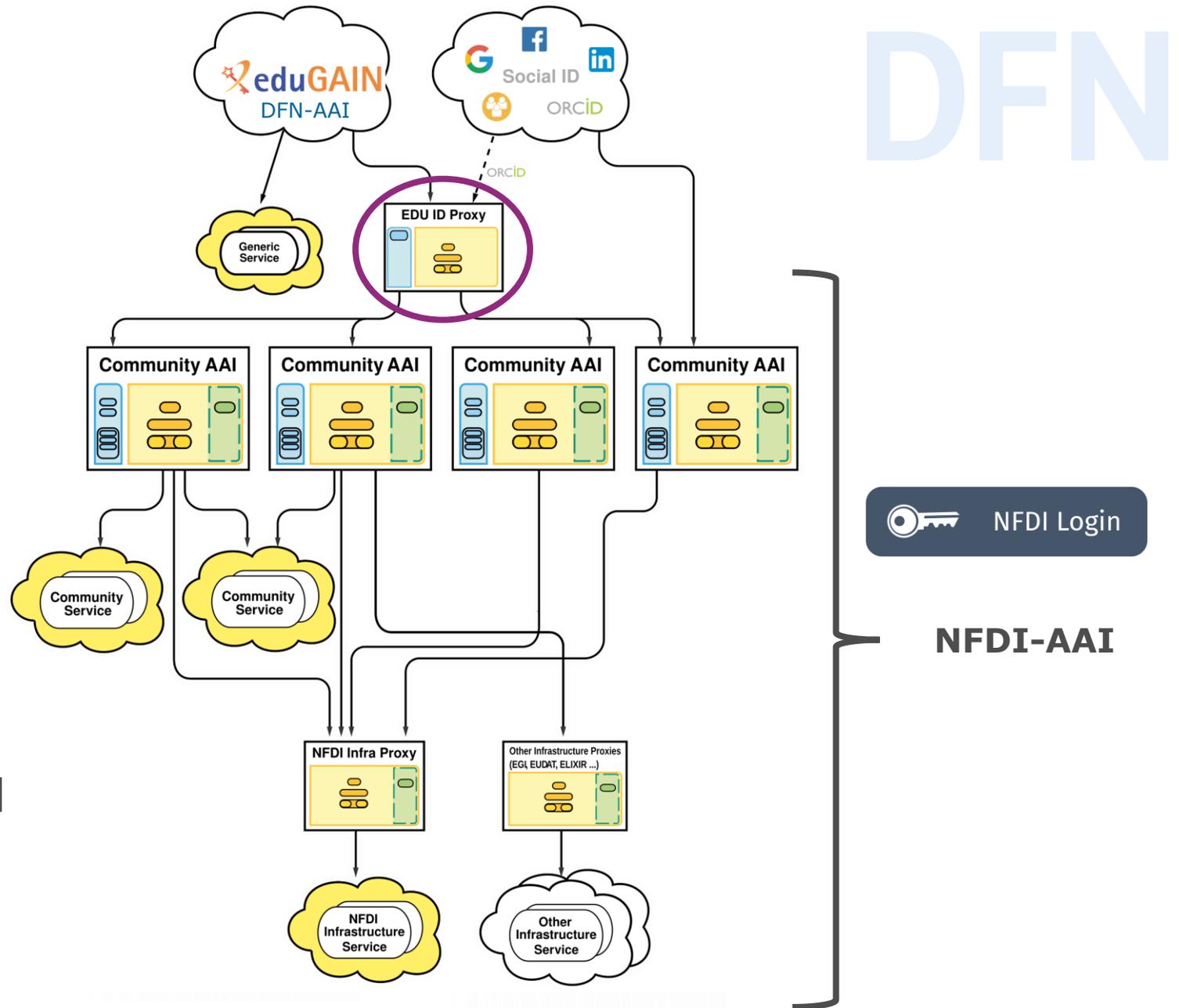


\* derived from edu-ID

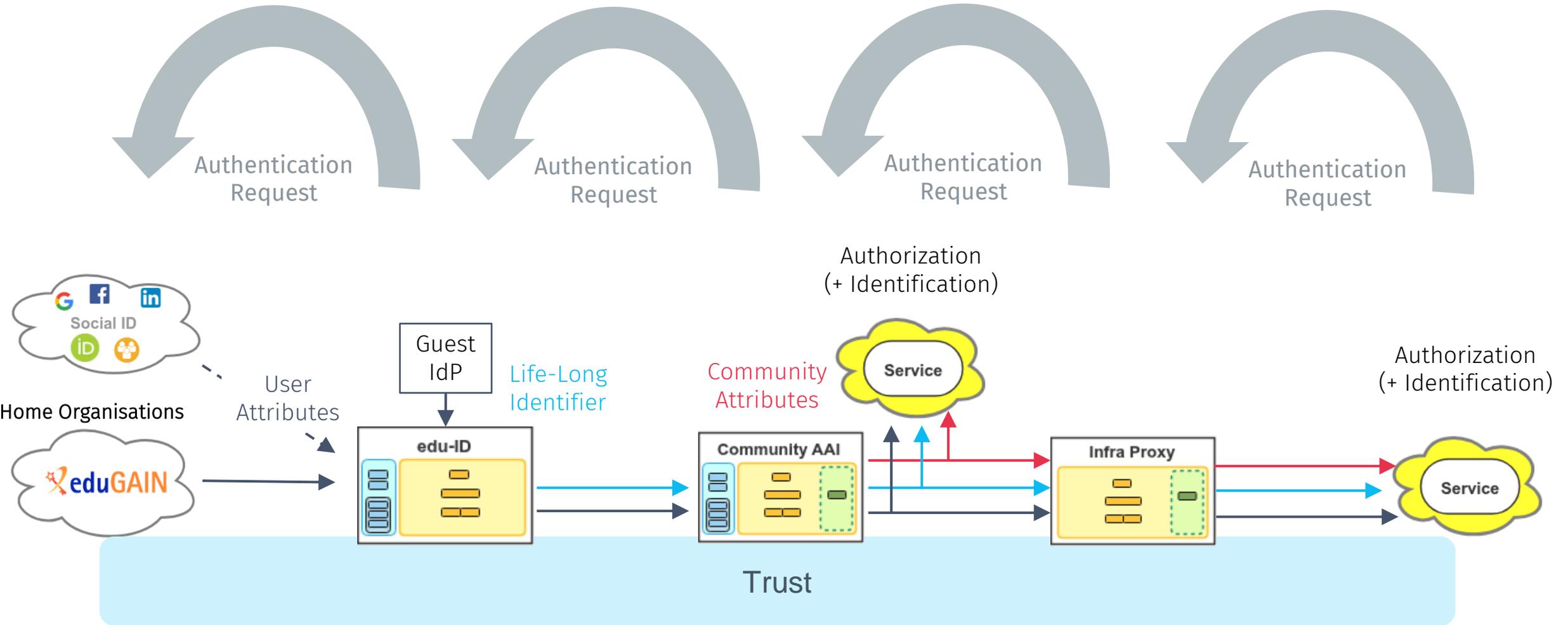
# NFDI-AAI

NFDI = National Research Data Infrastructure

- ▶ edu-ID as central IdP for Homeless/Guest users
- ▶ Permanent, unchangeable digital identity via sub /subject-id
- ▶ Account linking, switchboard for identifies from Home Organisations and/or ORCID



# Flow of Authentication and User Data (NFDI-AAI)



## Next Steps

- ▶ Completion of Pilot Phase
  - ▶ Implement improvements based on user and partner feedback
  - ▶ Implement Assurance Logic (different sources)
  - ▶ Get ready for fail-safe and (ideally) geo-redundant operation
- ▶ Wish List
  - ▶ Connection to German eGOV ID System „bundID“
  - ▶ Support for AARC BPA 2025, especially „Bring Your Collaboration“ flow
  - ▶ Wallet Ecosystem: Implement an Issuer extension

# Thanks! Questions? Comments?

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## ▶ Contact

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