B2ACCESS - Identity & Authorisation
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- ▶ What is B2ACCESS
- ▶ Benefits
- ▶ B2ACCESS and EOSC
- ▶ Latest developments
- ▶ Outlook

What is B2ACCESS

- A federated cross-infrastructure **authorisation** and **authentication** framework
- Allows users to authenticate themselves at EUDAT services
- Enables trusted access to services and resources

Collaborative Data Infrastructure
EUDAT

Login using

Social accounts
e.g. Google, Facebook

Author ID
e.g.

Home organisation
through
eduGAIN

Research
Infrastructures
e.g.
EGI   CLARIN

B2ACCESS

- Identity & group management
- Multi Factor Authentication
- Assurance & Policy support
- Authorisation

B2DROP   B2SHARE   B2INST   oidc-agent   Helpdesk ....

- Supports SAML2, OAuth2 & OIDC
- Authentication via home organization through eduGAIN, RIs, ORCID or social accounts
- Group management for communities
- Optional Multi Factor Authentication (MFA)
- Authorisation based on group membership, assurance, affiliation & resource capabilities
- Local accounts for "homeless" users
- Assurance & Policy support

Benefits

EUDAT Collaborative Data Infrastructure

▶ **Single Sign-On (SSO)** - one account for all EUDAT services
▶ **Convenient Authentication** - support for various authentication methods
▶ **Enhanced Security** - Opt-in MFA

▶ **Group Management Support** - Efficient management of community members

▶ **Diverse Authentication** - Different authentication possibilities to the users needs

▶ **Enhanced Collaboration Opportunities** - Simplified integration of community services into larger research infrastructures

- ▶ **Standardised Protocols** - SAML2, OAuth2 & OIDC
- ▶ **AARC Compliance** - Standardised information exchange with other RIs and EOSC
- ▶ **Trustworthy** - Compliant with AARC BPA, REFEDS Sirtfi, Snctf, GEANT Data Protection CoCo
- ▶ **Standardised Attribute Set** - Reliable set of attributes, independent to the user affiliation
- ▶ **Authorisation Delegation** - Delegate authorisation to B2ACCESS, if needed

AARC & EOSC

- B2ACCESS follows the AARC Blueprint Architecture
- B2ACCESS fulfils several AARC Guidelines, like
  - G021 Assurance between infrastructures
  - G026 Expression of User identifiers
  - G027 Expression of resource capabilities
  - G069 Expression of group membership information
- → B2ACCESS is compatible with EOSC

AARC Blueprint Architecture
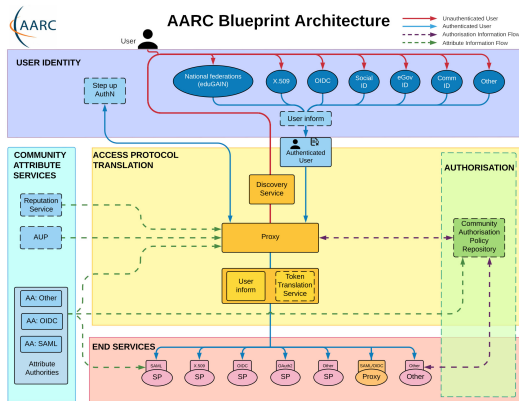
Latest developments

- Enabled group management
- Opt-in MFA usage
- Increased resilience by warm stand-by with daily replication to another EUDAT partner

Outlook

▶ Enhancement of MFA

▶ Integration with EOSC AAI

▶ Investigation of account linking

▶ Investigation of automated account deprovisioning

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