



B2ACCESS

Identity & authorisation

B2ACCESS is a federated cross-infrastructure authorisation and authentication proxy for user identification and community-defined access control enforcement. It allows users to authenticate themselves using a variety of credentials providing federated access and single-sign-on to services and service providers in a trusted way. B2ACCESS offers communities and service providers an AARC compliant AAI proxy ready to be integrated within the EOSC AAI Federation.



Features

- Compliant to the AARC Blueprint and REFEDS Sirtfi
- Supports group management
- Supports authorisation via group membership
- Supports authentication e.g. via eduGAIN, ORCID and Social Identities
- Support for EUDAT B2ACCESS local accounts and user authentication by X.509 certificates
- Support for IdP and service integration via SAML, OAuth and OIDC

Technologies

- Unity Idm

Standards for Service and IdP integration

- SAML
- OAuth2/OIDC



How it works

B2ACCESS allows EUDAT users to authenticate themselves using a variety of credentials. The following log-in options are supported:

- User's home organisation identity provider
- Social account (e.g. Google, Microsoft Live and Facebook)
- B2ACCESS ID

The user's home organisation has the highest level of assurance and is the preferred way of authentication. If a user's home organisation is not available in the EUDAT B2ACCESS system, a social account or B2ACCESS ID are the alternatives. However, since these have a lower level of assurance, access to the EUDAT services and resources can be limited for users authenticated under these options.



The figure shows the interaction of different methods of authentication with the B2ACCESS system. The diagram shows external identity providers (IdPs) authenticating to the B2 services in EUDAT with B2ACCESS providing the Authentication/Authorisation Infrastructure (AAI). Thus, users can use their existing identities to identify themselves to the EUDAT services. The organisational identity will be provided by a user's home organisation. In order to support a wide range of IdPs we have joined the EduGain federation



How to get access?

To request the use of B2ACCESS as your identity and access solution, reach out through the form below:

eudat.eu/support-request



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