



Authentication and Authorisation for Research and Collaboration

SA1 Pilots

Cross infrastructure integration: EUDAT - EGI

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Cross infrastructure integration: EUDAT - EGI



- Why do we need it:
 - Scenario 1: Cross-infrastructure access to web-browser-based resources
 - Scenario 2: Cross-infrastructure access to non-web-browser-based resources with Online CA

Scenario 1: Cross-infrastructure access to web-browser-based resources (I)



- **Use case 1:** EGI user accesses an EUDAT web portal using his/her EGI CheckIn ID
- **Prerequisites:**
 - EGI CheckIn is registered as an IdP with B2ACCESS
- **User flow**
 - EGI user uses their web browser to visit EUDAT service
 - EGI user selects to log in → redirected to B2ACCESS
 - EGI user chooses EGI CheckIn IdP in B2ACCESS → redirected to EGI CheckIn IdP discovery page
 - EGI user chooses their home IdP in EGI CheckIn IdP discovery page → redirected to home IdP
 - EGI user gets authenticated → redirected back to EUDAT service via EGI CheckIn and B2ACCESS

Scenario 1: Cross-infrastructure access to web-browser-based resources (II)



- **Use case 2:** EUDAT user accesses an EGI web portal using his/her EUDAT B2ACCESS ID
- **Prerequisites:**
 - EUDAT B2ACCESS is registered as an IdP with EGI CheckIn
- **User flow**
 - EUDAT user uses their web browser to visit EGI service
 - EUDAT user selects to login → redirected to CheckIn
 - EUDAT user chooses B2ACCESS in CheckIn IdP discovery page → redirected to B2ACCESS IdP discovery page
 - EUDAT user chooses their home IdP in B2ACCESS IdP discovery page → redirected to home IdP
 - EUDAT user gets authenticated → redirected back to EGI service via B2ACCESS and EGI CheckIn

Scenario 2: Cross-infrastructure access to non-web-browser-based resources with Online CA (I)



- **Use case 1:** EGI user uses his/her EGI CheckIn ID to access EUDAT B2* service that requires X.509 credentials
- **Prerequisites:**
 - EGI CheckIn is registered as an IdP with EUDAT B2ACCESS
 - EUDAT B2* service OIDC client is registered with EUDAT Master Portal
 - EUDAT Master Portal is registered with Online CA
- **User flow**
 - EGI user uses their web browser to visit EUDAT B2* service
 - EGI user selects to log in to obtain access token from EUDAT Master Portal → redirected to B2ACCESS
 - EGI user chooses EGI CheckIn in B2ACCESS discovery page → redirected to EGI CheckIn IdP discovery page
 - EGI user chooses their home IdP in EGI CheckIn IdP discovery page → redirected to home IdP
 - EGI user gets authenticated → redirected back to EUDAT B2*service via EGI CheckIn and EUDAT B2ACCESS
 - EGI user retrieves proxy certificate based on the access token returned from EUDAT Master Portal instance

Scenario 2: Cross-infrastructure access to non-web-browser-based resources with Online CA (I)



- **Use case 2:** EUDAT user accesses an EGI VO portal using his/her EUDAT B2ACCESS ID to obtain a proxy certificate
- **Prerequisites:**
 - EUDAT B2ACCESS is registered as an IdP with EGI CheckIn
 - EGI VO Portal is registered with EGI Master Portal
 - EGI Master Portal is registered with Online CA
- **User flow**
 - EUDAT user uses their web browser to visit EGI VO Portal
 - EUDAT user logs in to obtain a proxy certificate → redirected to CheckIn
 - EUDAT user chooses B2ACCESS in CheckIn IdP discovery page → redirected to B2ACCESS IdP discovery page
 - EUDAT user chooses their home IdP in B2ACCESS IdP discovery page → redirected to home IdP
 - EUDAT user gets authenticated → redirected back to EGI VO Portal via B2ACCESS and EGI CheckIn

Thank you Any Questions?

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