SA1 Pilots
Cross infrastructure integration: EUDAT - EGI

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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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