EUDAT-EGI pilot for cross-infrastructure access to resources

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Introduction

The main goal of this pilot is to allow end-users to transparently access EGI and EUDAT resources.

Demonstration

Use case 1a: An 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

1. EGI User uses their web browser to visit EUDAT service
2. EGI User logins redirected to B2ACCESS
3. EGI User chooses EGI CheckIn ldP in B2ACCESS redirected to EGI CheckIn ldP discovery page
4. EGI User chooses their home ldP in EGI CheckIn ldP discovery page redirected to home ldP
5. EGI User gets authenticated redirected back to EUDAT service via EGI Checkin and B2ACCESS

Use case 1b: An 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

1. EUDAT User uses their web browser to visit EGI service
2. EUDAT User logins redirected to CheckIn
3. EUDAT User chooses B2ACCESS in CheckIn ldP discovery page redirected to B2ACCESS ldP discovery page
4. EUDAT User chooses their home ldP in B2ACCESS ldP discovery page redirected to home ldP
5. EUDAT User gets authenticated redirected back to EGI service via B2ACCESS and EGI CheckIn

Use case 2a: An EUDAT user accesses EGI non-web-browser-based resources using X.509 credentials issued by Online CA based on his/her EUDAT B2ACCESS ID

Prerequisites:

- EUDAT B2ACCESS is registered as an IdP with EGI CheckIn
- EGI Master Portal registered with Delegation Server/Online CA

Use case 2b: An EGI user accesses EUDAT non-web-browser-based resources using X.509 credentials issued by Online CA based on his/her EGI CheckIn ID

Prerequisites:

- EGI Checkin is registered as an IdP with B2ACCESS
- EUDAT Master Portal registered with Delegation Server/Online CA

Components

- SimpleSAMLphp (EGI CheckIn SP/IdP Proxy)
- Unity IDM (EUDAT B2ACCESS SP/IdP Proxy)
- Master Portal (One dedicated instance per AAI)
- VO Portal (One dedicated instance per AAI)
- RCAuth.eu Online CA / Delegation server (Online CA shared by both EUDAT and EGI AAI)