

# 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 IdP in B2ACCESS - redirected to EGI CheckIn IdP discovery page
4. EGI User chooses their home IdP in EGI CheckIn IdP discovery page - redirected to home IdP
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 IdP discovery page - redirected to B2ACCESS IdP discovery page
4. EUDAT User chooses their home IdP in B2ACCESS IdP discovery page - redirected to home IdP
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)