



Digital Repository of Ireland
Taisclann Dhigiteach na hÉireann

Leveraging National Federated Identity Services

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An Roinn Post, Fiontar agus Nuálaíochta
Department of Jobs, Enterprise and Innovation



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About DRI (<http://www.dri.ie/>)

- DRI is an interactive trusted digital repository for contemporary and historical, social and cultural data held by Irish institutions
- Exchequer funded; HEA PRTL I 5, €5.2M
- RIA (lead), NUIM, TCD, DIT, NUIG, NCAD
- Partners: academic, cultural, social, government
- Duration - Sep 2011 – Sep 2015



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Vision

DRI links and preserves the rich data held by Irish institutions, providing a central internet **access** point, and **interactive** multimedia tools, for use by the public, **students** and **scholars**.



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Goals

- Reduce administrative overhead
- Store as little personal information as possible
- Access control decisions
 - Institution, role (staff, student, alumni)
- Personalization
 - Saved searches, bookmarks
- For users:
 - One less password
 - Simplifies registration



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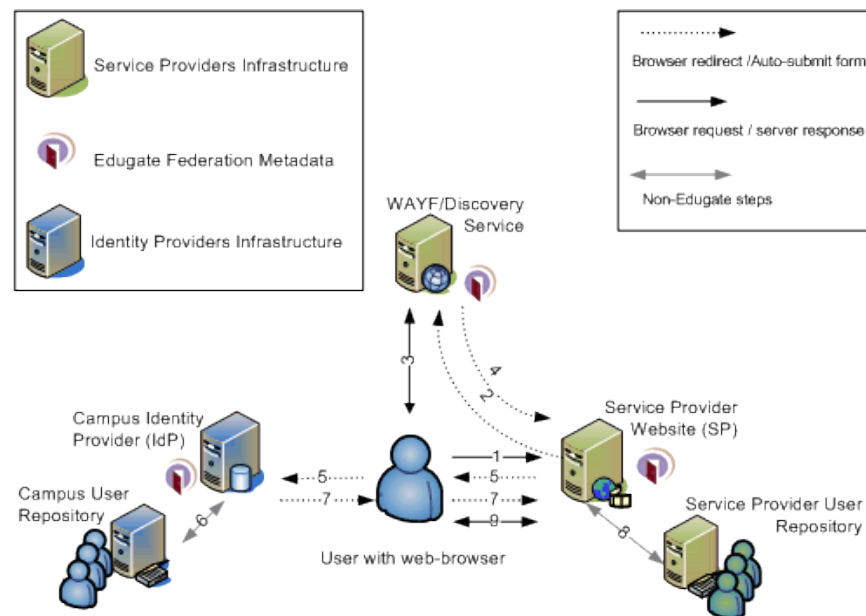
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Edugate

- Federated access management system
 - SAML federation
 - IdP – authenticates users
 - SP – authorizes users based on IdP information
- Service provided by HEAnet
 - Ireland's research and education network
- Allow users to access Edugate enabled services using credentials issued by their institution



Source: edugate.ie



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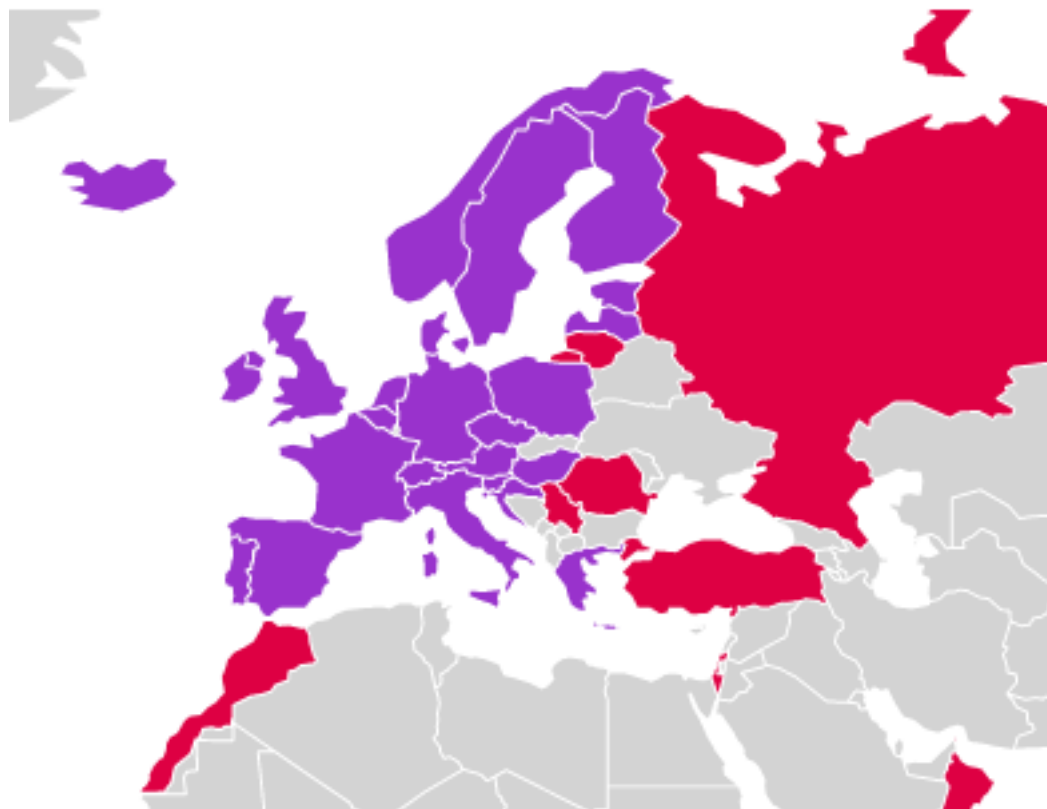
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Source: refeds.org



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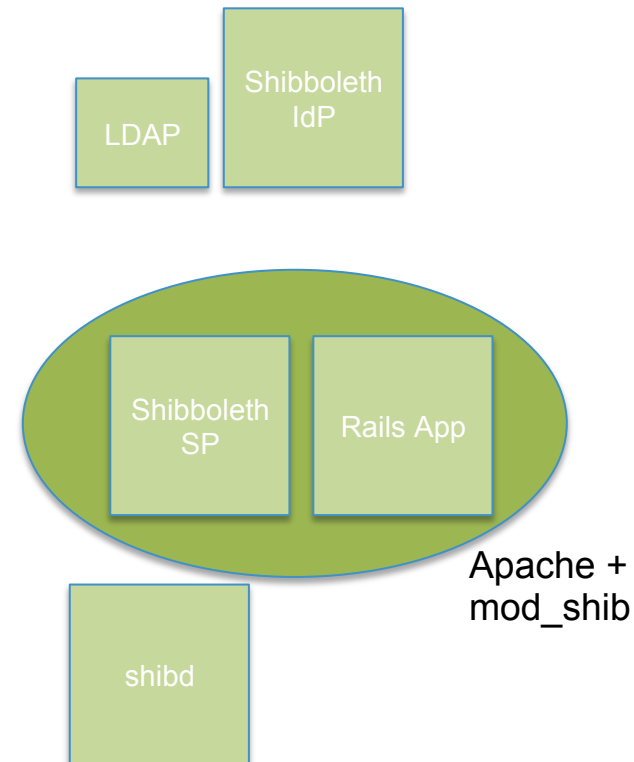
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Implementation

- Application host
 - Apache
 - Shibboleth SP (shibd + mod_shib)
 - Rails application
- Local test IdP
 - Useful for development
 - User accounts in LDAP



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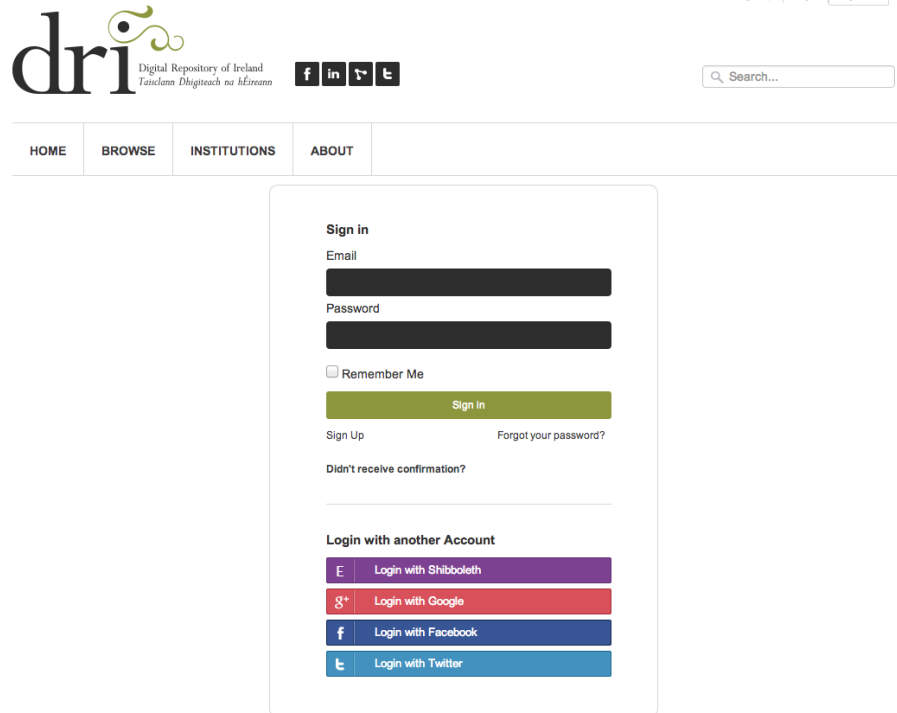


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Implementation

- Ruby on Rails
- Devise
 - Authentication solution
- Omniauth
 - Multi-provider authentication
 - Implemented as strategies, e.g.
 - Facebook
 - Twitter
- Omniauth Shibboleth
 - SAML strategy



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Sign in

Email

Password

Remember Me

[Sign In](#)

[Sign Up](#) [Forgot your password?](#)

[Didn't receive confirmation?](#)

Login with another Account

[E Login with Shibboleth](#)

[G+ Login with Google](#)

[f Login with Facebook](#)

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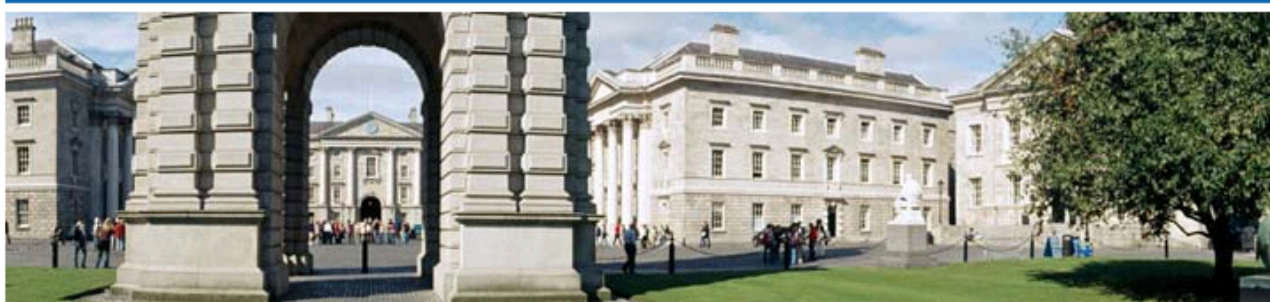
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Please log in with your TCD username and Network Login Password

The provider of your service (shown below) is requesting that you authenticate with your Trinity College Dublin computer to this Identity Provider service for this authentication.

Service Provider: The Digital Repository of Ireland

Username:	<input type="text"/>
Password:	<input type="password"/>
<input type="button" value="Login"/>	



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HOME	MY WORKSPACE	BROWSE	NEW COLLECTION	INGEST	INSTITUTIONS	ABOUT	
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Successfully authenticated from shibboleth account. ✕

Welcome

The Digital Repository of Ireland is the national trusted digital repository for Ireland's social and cultural data. On this site, you can browse and search both contemporary and historical collections from one location. We hope you enjoy your visit.

► [Visit the DRI Project Website](#)



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Summary

- Adding Shibboleth to application
 - Straightforward, plenty of examples
- Registering with Edugate
 - Straightforward, once policies and agreements in place
- Configuring Shibboleth
 - Difficult
 - Documentation and tutorials available but still complicated
- Agreed standardised set of attributes
 - But not always available
- Goals?



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