

Discovery

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SDSS, EDINA

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- Who?
- Why?
- What?
- How?
- When?
- Risks.

- We **must have** consistency of the Discovery process.
 - Not just to Shibboleth SPs.
 - ... and not just for SAML.
 - ... and certainly not tied to any particular domain.
- SPs have found deploying Discovery challenging
 - The Shibboleth Discovery Service isn't really aimed at SPs.
 - Metadata drift causes problems.
 - The defaults make it easy to drop back and punt to the Federation.

Why – the challenge.

- We need to make doing Discovery for an SP:
 - Easy – easier than punting.
 - Worthwhile.
 - Widely adopted.
- If such discovery is easy enough and widely enough deployed then use will snowball.

What – the continuing story.

- Discovery is just one step in the login story.
- Usability studies of the UK WAYF showed that the “orange wall” caused a lot of consternation.
- But Discovery is just one page – the Shibboleth Team are working on a complete end to end story.

The continuing story

The screenshot shows a web browser window displaying the EDINA Digimap Collections website. The browser's address bar shows the URL `edina.ac.uk/digimap/`. The website header includes the EDINA logo, navigation links (Help & Support, About, Feedback, Contact, Site Map), and a search bar. The main heading is "Digimap Collections". Below this, a breadcrumb trail reads "You are here: EDINA > Digimap Collections".

The page is divided into three main sections:

- Digimap Collections Menu:** A vertical list of links including "Login" (highlighted in orange), "Description", "Access & Subscription", "Help & Support", and "EDINA News & Events".
- Login to Digimap Collections:** The main content area. It features a heading, a paragraph describing the service as online maps and spatial data for Great Britain, available to UK Higher and Further Education institutions. Below this is a "Login" button with a right-pointing arrow and the text "via UK federation. [info]". Further down, there are links for "First time user?", "To which Digimap Collections does your institution subscribe?", and "Having trouble logging in?". A red notice states that the service will be unavailable on Tuesday 5th October between 17.30 and 18.30. A final notice mentions that Tuesday evenings between 17.30 and 18.30 are 'at risk' periods.
- Related Links:** A section on the right with a heading and a list of links: "agcensus", "UKBORDERS", "Go-Geo!", "Digimap Blog", and "Unlock".

At the bottom of the page, there are logos for Ordnance Survey and Cadcorp. A small footer note reads "For Library & Support Staff".

The Orange Wall

Select your home organisation

The UK Access Management Federation
FOR EDUCATION AND RESEARCH

Selection options

The service you are trying to reach requires that you authenticate with your home organisation.

Enter Organisation Name

edinb Search

- Edinburgh College of Art
- Edinburgh Napier University
- Edinburgh's Telford College
- Queen Margaret University, Edinburgh
- Stevenson College Edinburgh
- University of Edinburgh
- University of Edinburgh (SDSS): Lamlash
- University of Edinburgh (SDSS): Skaill
- University of Edinburgh: IS-ITI
- University of Edinburgh: SDSS Test IdP (vsp.edina.ac.uk)
- University of Edinburgh: V2 TEST

Select

The continuing story

The screenshot shows a web browser window displaying the EASE login page. The browser's address bar shows the URL: <https://www.ease.ed.ac.uk/?cosign-eucsCosign-idp.ed.ac.uk&https://idp.ed.ac.uk/idp/Authn/RemoteUse>. The page header includes the University of Edinburgh logo and navigation links: News, About, Studying, Research, Alumni, Business, Staff & students, Schools & departments. A search bar is present with the text "Search term" and "Search University Site" followed by a "Go" button. The main content area is titled "EASE Login" and "The University of Edinburgh web login service". It contains a text box explaining that the username is the University Username (UUN) or the email address used to create an EASE Friend account, and that usernames should be entered in lower case. Below this are two input fields: "Username:" and "EASE password:". A "Login now" button is located to the right of the password field. At the bottom of the login form, there is a link to "The University of Edinburgh Computing Regulations". To the right of the login form, there are two informational boxes: "Info" and "Help". The "Info" box contains the text: "Do not share your password with anyone. We never ask you for your password in emails or via web forms other than this login page." The "Help" box contains a list of links: "Help logging in", "Forgotten password?", "Register with EASE", "Create an EASE Friend account", "What is EASE?", and "I need help".

EASE

The University of Edinburgh

Search term Search University Site Go

EASE Login

The University of Edinburgh web login service

Your username will be your University Username (UUN) or the email address used to create an EASE Friend account. Usernames should be entered in lower case.

Username:

EASE password:

Login now

By using this service you agree to abide by [The University of Edinburgh Computing Regulations](#).

Info

Do not share your password with anyone. We never ask you for your password in emails or via web forms other than this login page.

Help

- [Help logging in](#)
- [Forgotten password?](#)
- [Register with EASE](#)
- [Create an EASE Friend account](#)
- [What is EASE?](#)
- [I need help](#)

The continuing story

The screenshot shows the EDINA Digimap website interface. The browser address bar displays the URL `digimap.edina.ac.uk/main/index.jsp?useJS=true`. The page features a navigation bar with the Digimap logo and the EDINA logo with a "Log-Out" link.

TODAY'S MESSAGES:

- Geology Digimap - 2**
June 10: Try out the new **Geology Roam** mapping facility in Geology Digimap!
- Digimap Blog**
- Digimap News**
- 5 April 10: EDINA's response to the release of OS OpenData can be found on the [Digimap Blog](#)

Map and Data Collections

- Ordnance Survey Collection** †
Contemporary Ordnance Survey maps and map data.
[More information](#)
- Historic Digimap** †
Historical Ordnance Survey maps from 1843 to 1996.
[More information](#)
- Geology Digimap** †
Current British Geological Survey map data and Lexicon of named Rock Units.
[More information](#)
- Marine Digimap** †
Hydrographic and marine data from SeaZone Solutions Ltd.
[More information](#)

Find and Share

- Go-Geo!** †
Search for geospatial data, information and services.
[More information](#)
- ShareGeo (Beta)** †
Find, contribute and share geospatial data with others.
[More information](#)
- GeoDoc** †
Create geospatial metadata for publication in Go-Geo!

Tools/Developer's Area

This is a new area which will be available in the near future.
In the meantime, find out about the **Unlock** gazetteer and Digimap mapping APIs in the Ordnance Survey Collection. Separate registration will be required in order to use these.

JISC † JISC funded ‡ JISC supported

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- Embedded Discovery.
 - A web page delivered from the SP.
 - With the SP's own branding.
 - And driven from the SP's metadata.
 - But note that this 'decentralises the cookie' (making discovery even more important).

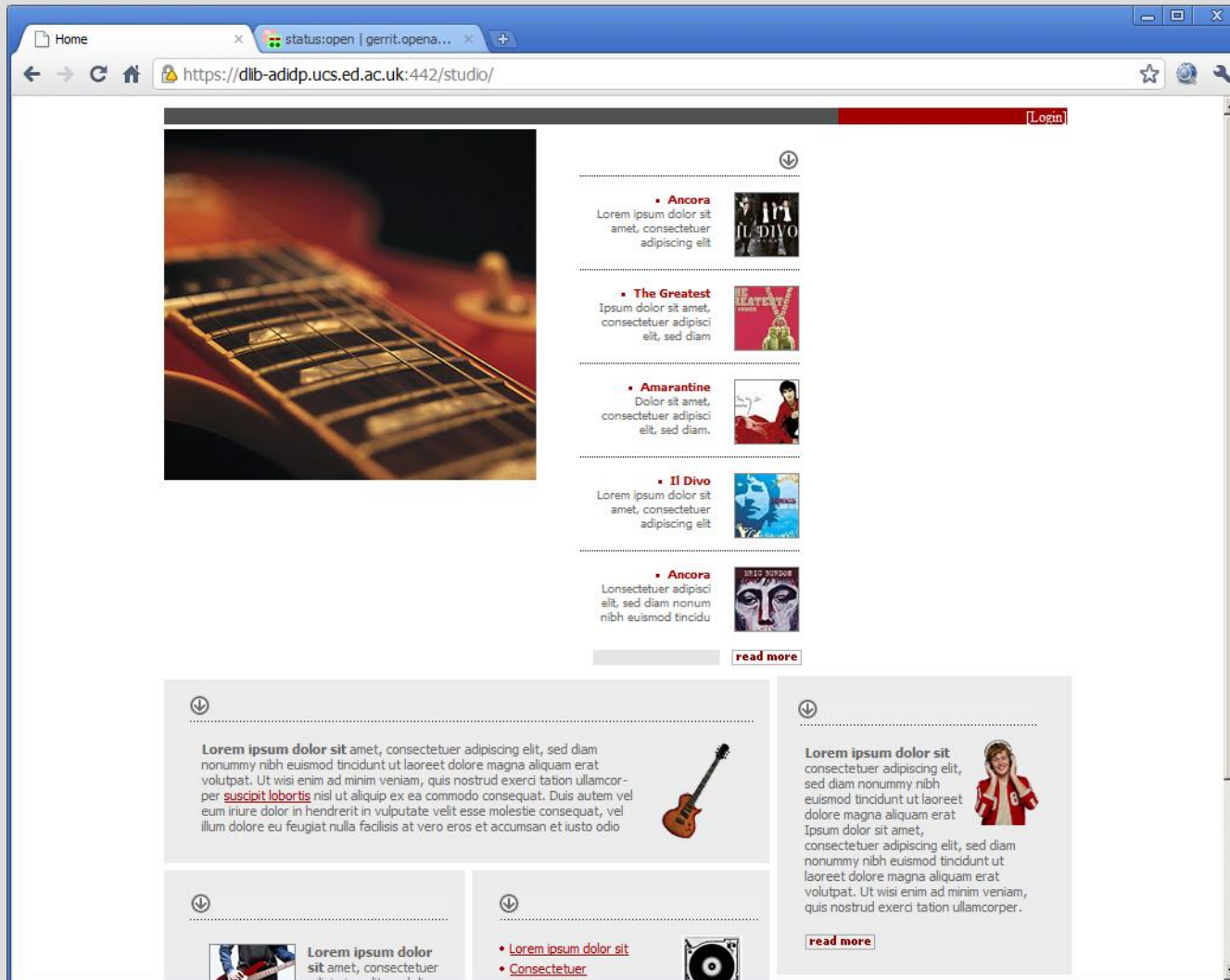
- Easy.
 - To deploy.
 - To configure.
 - To use – particularly on first acquaintance.
 - To love?

The complete story.

- A demo

Note that these are real snapshots of the real screens.

The SP “homepage”



Embedded Discovery: SP

The screenshot shows a web browser window with the address bar displaying `https://dlib-adidp.ucs.ed.ac.uk:442/studio/idpselect.html`. The main content area features a large image of a guitar on the left and a list of music recommendations on the right. The recommendations include:

- Ancora**: Lorem ipsum dolor sit amet, consectetur adipiscing elit. (Album cover: IL DIVO)
- The Greatest**: Ipsum dolor sit amet, consectetur adipiscing elit, sed diam. (Album cover: HEAVEN)
- Amarantine**: Dolor sit amet, consectetur adipiscing elit, sed diam. (Album cover: RED)
- Il Divo**: Lorem ipsum dolor sit amet, consectetur adipiscing elit. (Album cover: IL DIVO)
- Ancora**: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonum nibh euismod tincidunt. (Album cover: IL DIVO)

A "read more" button is located below the list. A modal dialog box is overlaid on the page, titled "Use a preferred selection:", containing the logos for "glow EDiNA" (Glow Scotland and EDiNA - development) and a form to "Or enter your organization's name" with a "Continue" button and a "Help" link. A "read more" button is also visible within the dialog.

At the bottom of the browser window, there are links for "Terms of Use" and "Privacy Statement" on the left, and "Web Design by Free Templates Online" on the right.



The screenshot shows a web browser window with the address bar displaying `https://dlib-adidp.ucs.ed.ac.uk/shibboleth-idp/Authn/UserPassword`. The page header includes navigation links: [Help & Support](#) | [About](#) | [Feedback](#) | [Contact](#). The main content area features the EDINA logo and the tagline "providing resources for staff and students in higher and further education in the UK and beyond". Below this, there is a login form with the following text: "The web site described to the right has asked you to log in and you have chosen EDINA as your home institution". The form contains fields for "Username:" and "Password:", followed by a "Continue" button. To the right of the form is a placeholder image of a guitar and the text: "The place to go to book your recording time. dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua." At the bottom of the page, it states "EDINA is a JISC National Data Centre based at the University of Edinburgh" and includes links for "Accessibility" and "Acknowledgements". The JISC logo is also present in the bottom right corner.

- For the SP
 - Create a new page with your standard branding.
 - Add a `<div>`
 - Add some boilerplate.
 - You're done.

Configuring the Login Page

```
<p>Lonsectetuer adipisci elit, sed diam nonum nibh euismod tincidu</p>
</div>
<div class="read3">
  <a href="#">
    
  </a>
</div>
</div>
<div id="content">
  <div id="dsoi"></div>
</div>
<div id="footer">
  <span class="terms">
    <a href="#">Terms of Use</a> |
  </span>
  </div>
  </a>Online
</div>

<!-- Load the DS -->
<script src="../idpselect.js/idpselect.js" type="text/javascript"
  language="javascript"/>
<script src="../idpselect.js/json.js" type="text/javascript"
  language="javascript"/>
<script src="../idpselect.js/typeahead.js" type="text/javascript"
  language="javascript"/>

<script>
  var idpselect = new IdPSelectUI();
  idpselect.dataSource = '/Shibboleth.sso/Metadata/idp.json';
  idpselect.insertAtDiv = 'dsoi';
  idpselect.defaultLogo = '../idpselect.js/flyingpiglogo.jpg';
  idpselect.draw();
</script>
```

How – technical drive

- Metadata changes via a new <Extension>.
 - <http://www.oasis-open.org/committees/download.php/39235/draft-sstc-saml-metadata-ui-01.pdf>
 - Adds Logo, Name, Description &c to the <RoleDescriptor>.
 - The SP distils this into JSON.
 - The GUI down loads this from the SP (poor man's AJAX).
 - The IdP also consults this for the “right hand pane”.

Metadata Extensions

```

<IDPSSODescriptor protocolSupportEnumeration="urn:mace:shibboleth:1.0
  urn:oasis:names:tc:SAML:1.1:protocol
  urn:oasis:names:tc:SAML:2.0:protocol">
  <Extensions>
    <mdui:UIInfo>
      <mdui:DisplayName xml:lang="en">EDINA -development</mdui:DisplayName>
      <mdui:DisplayName xml:lang="fr">EDINA - développement</mdui:DisplayName>
      <mdui:DisplayName>EDINA - development</mdui:DisplayName>
      <mdui:Description xml:lang="en">
        Test IdP for DS &amp; IdP development
      </mdui:Description>
      <mdui:Logo height="58" width="110" xml:lang="en">
        https://dlib-adidp.ucs.ed.ac.uk:442/Images/edina-logo110x58.jpg
      </mdui:Logo>
      <mdui:Logo height="59" width="150" xml:lang="fr">
        https://dlib-adidp.ucs.ed.ac.uk:442/Images/edina-logo-fr.png
      </mdui:Logo>
      <mdui:Logo height="58" width="110">
        https://dlib-adidp.ucs.ed.ac.uk:442/Images/edina-other.jpg
      </mdui:Logo>
      <mdui:InformationURL>http://edina.ac.uk</mdui:InformationURL>
      <mdui:InformationURL xml:lang="fr">
        http://edina.ac.uk/fr
      </mdui:InformationURL>
    </mdui:UIInfo>
    <mdui:DiscoHints>
      <mdui:IPHint>82.68.124.32/3</mdui:IPHint>
      <mdui:DomainHint>ucs.ed.ac.uk</mdui:DomainHint>
      <mdui:GeolocationHint>55.935575,-3.1800687</mdui:GeolocationHint>
    </mdui:DiscoHints>
    <shibmd:Scope regexp="false">edina.ac.uk</shibmd:Scope>
    <shibmd:Scope regexp="false">trial.edina.ac.uk</shibmd:Scope>
    <shibmd:Scope regexp="false">sdss.ac.uk</shibmd:Scope>
  </Extensions>
  [...]

```

- The JavaScript is currently available as Alpha.
- The JSON generation will be available in the next SP (as a beta).
- A complete package will be available as a Beta as soon as possible.
- (JSON generation will be added to the DS in the next release).

An aside: The Central DS

- Same technology in the GUI.
- But we also need a “traditional” drop down for the JavaScript impaired.
- And we could add a Logo for the SP.
- ... This aligns quite nicely with the work being done to the UK Federations WAYF.

- Appropriate Metadata may not be available.
 - Call to arms!
 - But the SP will have mitigation until 3.0.
- SPs won't want to deploy it.
 - “Fire and forget” the teams that do the dev.
 - Set the JISC terriers loose!
- We only get one shot at this.
- Other SPs will not follow
 - OpenAthens already engaged
 - Shared on the wire format with SWITCH
 - Others?

More details

- <https://spaces.internet2.edu/display/SHIB2/DSRoadmap>

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