Discovery

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SDSS, EDINA
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Why?

• 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 Orange Wall

Select your home organisation

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

Enter Organisation Name

- edin
- 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): Skail
- University of Edinburgh: IS-TTI
- University of Edinburgh: SDSS Test IdP (vsp.edina.ac.uk)
- University of Edinburgh: V2 TEST

Select
The continuing story
The continuing story
• **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).
What?

• 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 IdP

The website described to the right has asked you to log in and you have chosen EDINA as your home institution.

Username: [Input field]
Password: [Input field]
Continue

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.

EDINA is a JISC National Data Centre based at the University of Edinburgh. | Accessibility | Acknowledgements

JISC
How? – The SP

• For the SP
  – Create a new page with your standard branding.
  – Add a `<div>`
  – Add some boilerplate.
  – You’re done.
Configuring the Login Page

Lonsectetuer adipisci elit, sed diam nonum nibh euismod tincidunt

---

```html
<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"/>

var idpselect = new IdPSelectUI();
idpselect.dataSource = '../Shibboleth.sso/Metadata/idp.json';
idpselect.insertAtDiv = 'dsoi';
idpselect.defaultLogo = '../idpselect.js/flyingpiglogo.jpg';
idpselect.draw();
```
How – technical drivel

- Metadata changes via a new `<Extension>`.
  - 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”.

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<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:Description xml:lang="en">Test IdP for DS & 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">
    </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>
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  <shibmd:Scope regexp="false">trial.edina.ac.uk</shibmd:Scope>
  <shibmd:Scope regexp="false">edina.ac.uk</shibmd:Scope>
</Extensions>
When

• 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.
Risks

• 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](https://spaces.internet2.edu/display/SHIB2/DSRoadmap)
Questions?

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