

An OpenID Selector prototype...

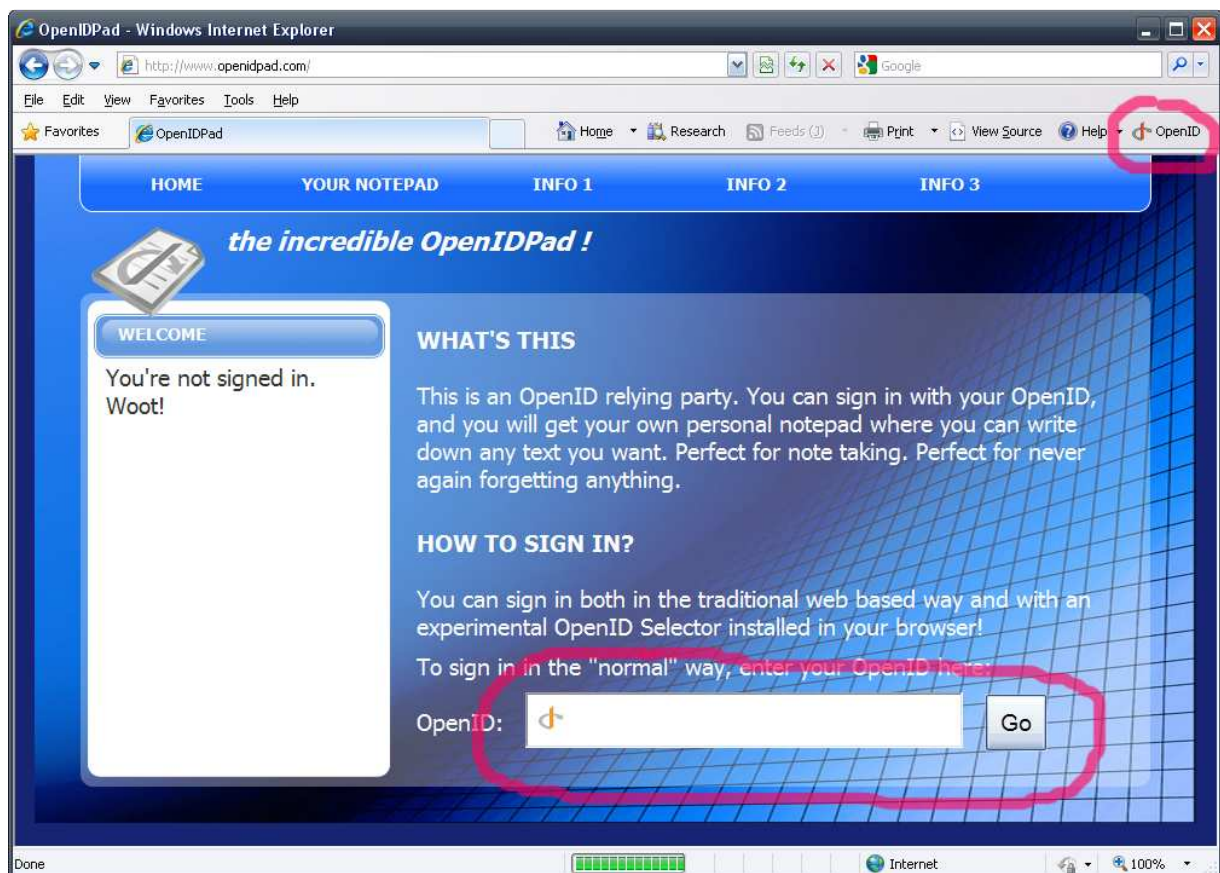
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We implemented a prototype “OpenID Selector”, i.e. an active client on your machine that manages your OpenIDs and constructs OpenID requests to OpenID OPs.

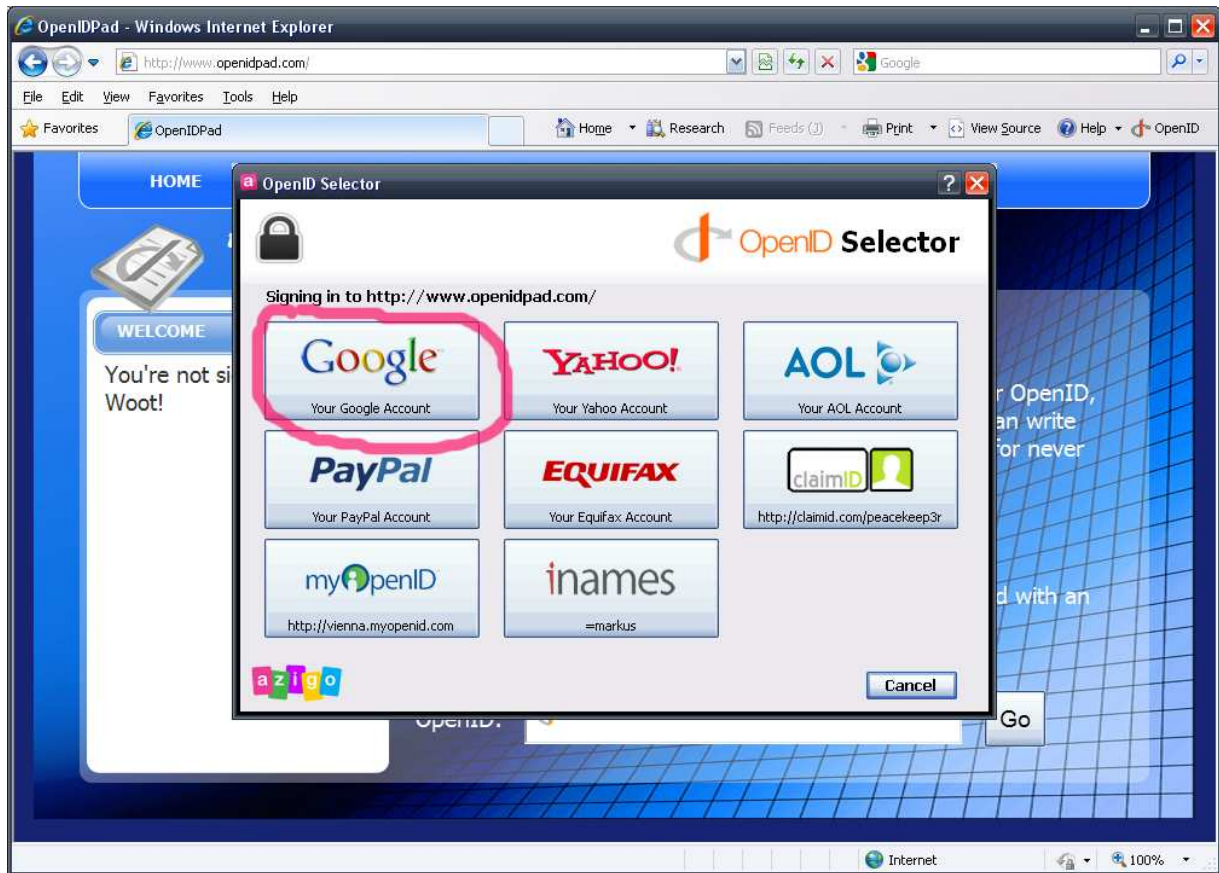
We set up a demo OpenID RP site: <http://www.openidpad.com>

On the screen you see

- An “traditional” OpenID text field on the web page
- ... and an OpenID button in the browser toolbar, which allows you to log in with an OpenID Selector

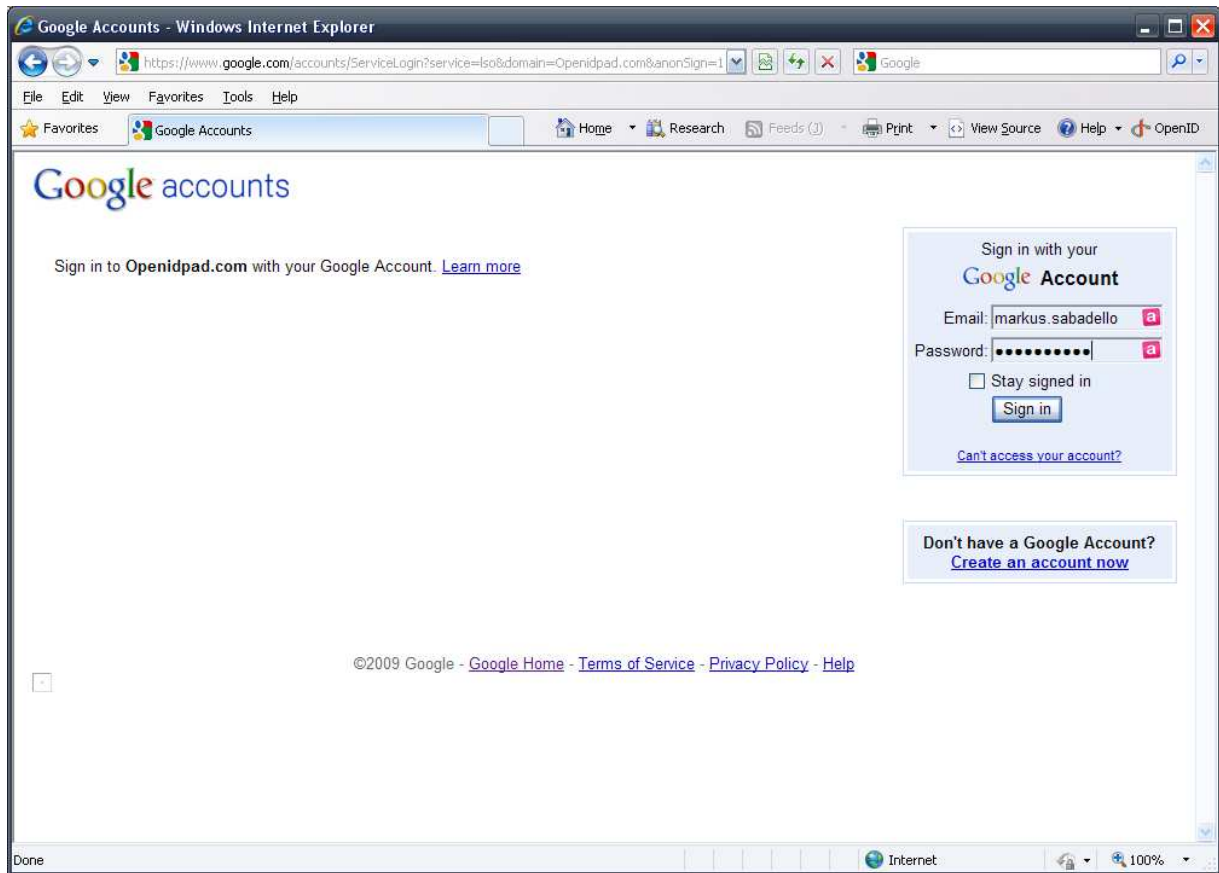


If you click on the OpenID button in the browser toolbar, the OpenID Selector shows up:



You can then select the OpenID you want to use to sign in to the web page.

After that, everything happens in the “normal” OpenID way, i.e. the browser is redirected to the OP, and then back to the RP.



How does it work?

The relying party web page contains in its HTML code a link to an XRDS file:

```
<head>
...
<meta http-equiv="X-XRDS-Location"
content="http://www.openidpad.com/services.xrds">
</head>
```

The XRDS file contains a link to an OBJECT file:

```
<XRDS xmlns:simple="xri://$xrds">
<xrd:XRD xmlns:xrd="xri://$xrd*($v*2.0)" version="2.0">
  <xrd:Type>xri://$xrds*simple</xrd:Type>
  <xrd:Service>
    <xrd:Type>http://infocardfoundation.org/policy/1.0/login</xrd:Type>
    <xrd:URI
simple:httpMethod="GET">http://www.openidpad.com/object.xml</xrd:URI>
  </xrd:Service>
  <Service xmlns="xri://$xrd*($v*2.0)">
    <Type>http://specs.openid.net/auth/2.0/return_to</Type>
    <URI>http://www.openidpad.com/Callback</URI>
  </Service>
</xrd:XRD>
</XRDS>
```

The OBJECT file contains the OpenID Parameters that the relying party wants to have in the request:

```
<object type="application/x-informationcard" name="xmlToken">
<param name="protocol"
value="http://specs.openid.net/auth/2.0"/>
<param name="OpenIDAuthParameters"
value="openid.ns:http://specs.openid.net/auth/2.0
openid.return_to:http://www.openidpad.com/Callback
openid.realm:http://www.openidpad.com/
openid.sreg.required:nickname,email
openid.sreg.optional:fullname,country,timezone"/>
<param name="privacyUrl"
value="https://xmldap.org/xmldap_oc/?privacy.txt"/>
<param name="privacyVersion" value="1"/>
  <param name="tokenType"
value="urn:oasis:names:tc:OPENID:2.0:assertion"/>
</object>
```

The OpenID Selector includes these parameters in the request to the OpenID OP.