Linked Data browsers

Pubby Pubby adds a Linked Data interface to a SPARQL endpoint RDF SPARQL HTML Browsers Browsers Clients Linked Data SPARQL Config File Triple Pubby Store

Linked Data Browser

- One reason DBpedia is successful is its data browser for humans
- Given a URL to a Dbpedia resourse, it shows all the triples with that URL as a subject or object
- A generic version of the browser software is available as Pubby
- Elda is a similar and more sophisticated system

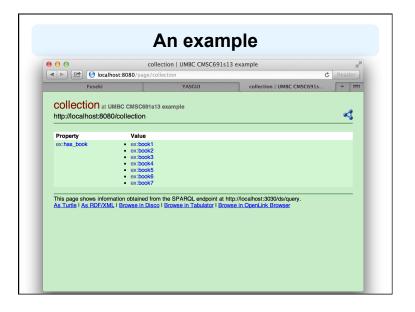
How Pubby Works

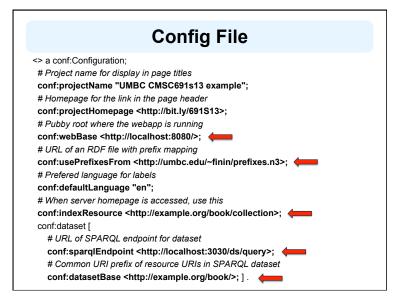
Pubby is relatively simple and does the following

- Maps published URLs an appropriate URL on the **SPARQLserver**
 - http://localhost:8080/page/book1 to ??
- Sends a SPARQL describe query to get triples where the URL is either subject or object
 - Problem: Fuseki's describe returns only those where URI is subject, by default
- Converts the URLs to a prefixed form
 - http://localhost:8080/page/book1 to ex:book1
- Displays the results as hypertext

How to set up

- Download jetty http://download.eclipse.org/jetty/
 - Launch by invoking java -jar start.jar
 - Check it it's running at http://localhost:8080/
- Download pubby from http://bit.ly/PubbY
 - In -s jetty-distribution-8.1.10.v20130312 jetty
 - In -s pubby-0.3.3/ pubby
- Copy pubby's webapp directory into Jetty's webapps folder and rename to root
 - cp -R pubby/webapp jetty/webapps/root
- Modify the configuration file to use Fuseki, etc.
- Visit http://localhost:8080/





Two issues

- I had to create an external web-accessible file with prefix declarations due to a minor Pubby bug
 - may be fixed in the newest version
- Fuseki's response to a describe doesn't include triples where the URI is the object
 - You can recompile Fuseki, including an option for this
 - Or use another triple store, e.g., Sesame