

My FOAF network #5: SPARQL-ing my network

 ID

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Keywords

Foaf, Rdf, Sparql

Abstract

FOAF rulez: it's RDF. With RDF comes SPARQL. SPARQL needs a query engine, however. And there comes OpenRDF which created Sesame.

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FOAF rulez: it's RDF. With RDF comes SPARQL. SPARQL needs a query engine, however. And there comes OpenRDF which created Sesame. I have to catch the train in about 15 minutes, so will not elaborate too much, but here are some Sesame 2.0.1 work:

```
> create native.  
Please specify values for the following variables:  
Repository ID [native]: foafRepo  
Repository title [Native store]: FOAF Repository  
Triple indexes [spoc, posc]:  
Repository created  
> open foafRepo
```

Creates me a new RDF storage and opens it.

```
foafRepo> load http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf .  
Loading data...  
Data has been added to the repository (606 ms)
```

Loads my FOAF file. Now, a simple SPARQL query that finds me all friends that know someone with the nick egonw:

```
foafRepo> sparql  
  
BASE <http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf>  
PREFIX foaf: <http://xmlns.com/foaf/0.1/>  
  
SELECT ?s ?o  
WHERE { ?s foaf:knows ?o ; foaf:nick "egonw" . }
```

Evaluating query...

s	o
<http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>	<http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#HenryRzepa>
<http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>	<http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#CarstenNiehaus>
<http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>	<http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#RajarshiGuha>
<http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>	<http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#JeanClaudeBradley>
<http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>	<http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#GeoffHutchison>
<http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>	<http://

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```
blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#ChristophSteinbeck>|
| <http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>| <http://
blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#PeterMurrayRust>|
| <http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>| <http://
blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#TobiasHelmus>|
| <http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>| <http://
blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#StefanKuhn>|
| <http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>| <http://
blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#MartinEklund>|
| <http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>| <http://
blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#JohannesWagener>|
| <http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>| <http://
blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#JarlWikberg>|
| <http://blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#me>| <http://
blueobelisk.sourceforge.net/people/egonw/foaf.xrdf#JeromePansanel>|
+-----+
13 result(s) (15 ms)
```

Not very pretty, but rather accurate.

More SPARQL fun later. Do try this at home, but make sure to [not put a period at the end of a line in your SPARQL query!](#) :)