

Linked Data Spaces & Data Portability





What is Data Portability about?

Freeing Data from the Tyranny of
Application Lock-in
(Silo Busting!)





Aspects of Data Portability

- Data Mobility (Import/Export) via standard data formats
 - RSS, Atom, OPML
 - Microformats (XFN, hCard, hCalendar, RDFa)
 - RDF (RSS, FOAF, SIOC etc.)
- Data Access by Reference (Linked Data / WODBC)
 - RDFizers / Drivers
 - Declarative Mappers (e.g. RDBMS to RDF)



Why is Data Portability Important?

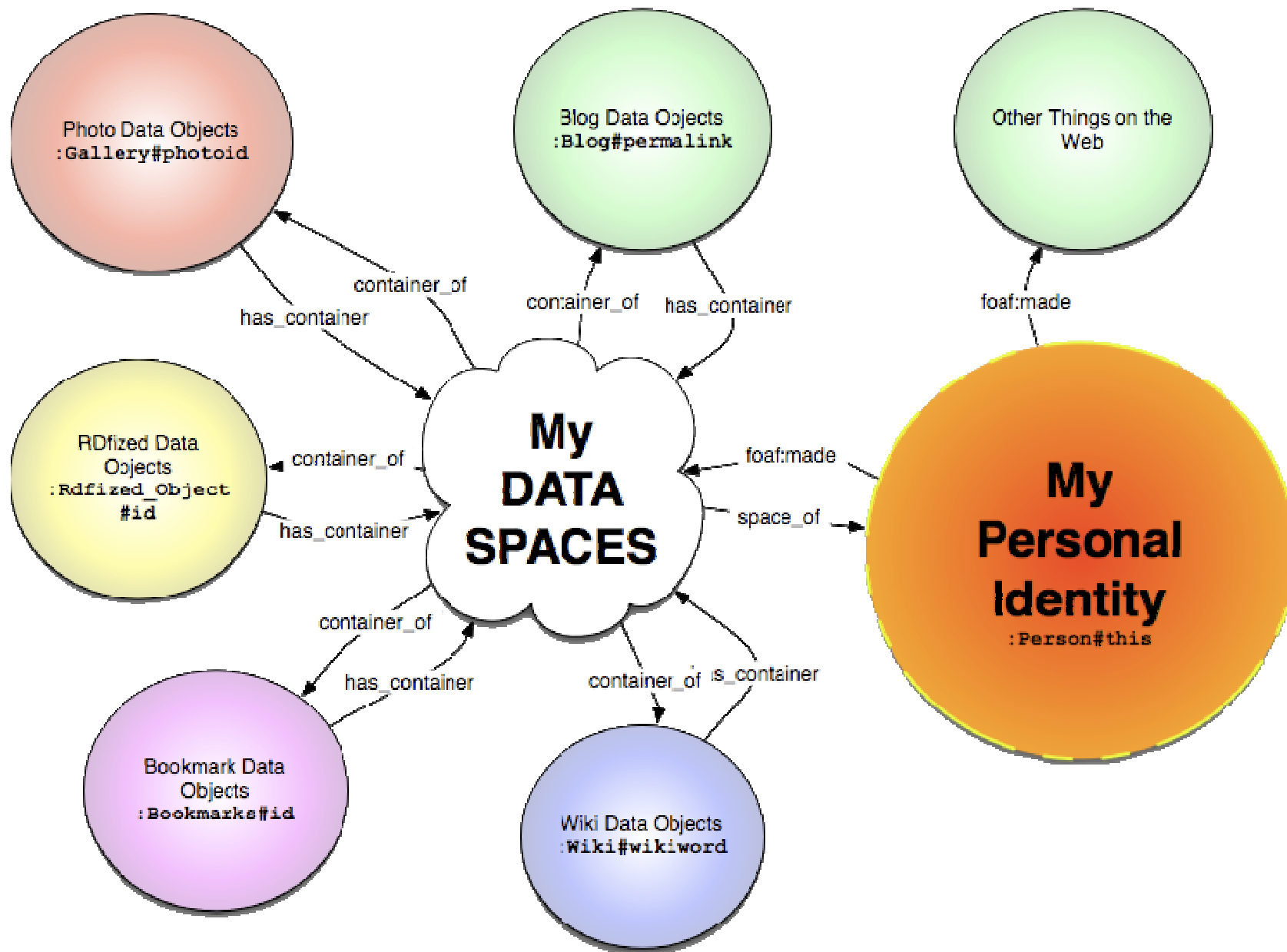
- Your Data belongs to You!
- Information Overload is here!
 - User Generated Content is growing exponentially
 - Web Application Silos are on the rise (e.g Social-Networks and other Software as Service solutions)
 - Still only 24 hrs in a day!
- You are an Individual
 - Web Individuality is no longer a trivial pursuit
- Rise of Real-time Enterprises & Individuals





Identity & Data Meshing (Silo-Busting)

- Use of .Name Domains for minting Individual Entity IDs (URIs)
- Platforms that generate Web Data associated with individual identity
 - Handle .Name registration
 - DNS configuration
 - Leverage shared vocabularies and ontologies (FOAF, SIOC, and others)
 - Deploy Linked Data



<http://community.linkeddata.org/dataspace/person/kidehen2#this>

Kingsley Idehen

Activities

Contact Information

Home Business IM Personal Information Linked Data

Visualization: Navigator

Kingsley Idehen

Predicate	Property Values
knows	
TimBL	2 predicates, 2 property values
Chris Bizer	2 predicates, 2 property values
Eric Prud'hommeaux	2 predicates, 2 property values
Danny Ayers	2 predicates, 2 property values
Kingsley Idehen	3 predicates, 3 property values
33 more...	
mbox	
mailto:kidehen@openlinksw.com	
made	
Kingsley Idehen's Weblog	3 predicates, 4 property values

Data Space

- Kingsley Idehen's AddressBook
- kidehen2's Calendar
- Kingsley Idehen's Weblog
- Kingsley_Feed_Collection
- kidehen2's Briefcase

Browse





Data Portability Platform Example: ODS

- You Create or Associate an ODS Instance (Desktop, Intranet, Extranet, Internet) with:
 - Weblogs (Meta Weblog, Moveable Type, Blogger, or Atom Publishing Protocol)
 - Wikis (those that support Atom Publishing Protocol)
 - Collections of Syndicated RSS(1.0/2.0)/Atom/OPML feeds
 - Shared Bookmarks (del.icio.us or local bookmark store)
 - Files residing on your desktop (via WebDAV based Briefcase)
 - Anything else in the Web 1.0 or 2.0 space accessible via HTTP and/or WebDAV



Some ODS Specific Features

- Upstreaming via Publishing Protocols
- All Data is exposed via Shared Ontologies (SIOC, SKOS, AtomOWL, FOAF, Annotea Bookmarks, and more..)
- All Data is SPARQL Accessible
- In-build support for GRDDL and other mechanisms for generating RDF from non RDF Data Sources
- A lot more :-)



Additional Information

■ Live Instances:

- <http://community.linkeddata.org/ods>
- <http://myopenlink.net:8890/ods>

■ Open Source Edition Information

- <http://virtuoso.openlinksw.com/wiki/main/Main/Ods>

