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
My DATA SPACES

- Photo Data Objects: Gallery#photoid
- Blog Data Objects: Blog#permalink
- Other Things on the Web
- RDFized Data Objects: Rdfized_Object_id
- Bookmark Data Objects: Bookmarks#id
- Wiki Data Objects: Wiki#wikiword

My Personal Identity: Person#this
http://community.linkeddata.org/dataspace/person/kidehen2#this
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