DSpace Mashups

The purpose of this page is to give repository developers an overview of possibilities available to them when creating repositories and services based on DSpace.

- Think out of the box (DSpace is the box)
- Think of DSpace only as a starting point, think how you can connect it with other sources of data to enrich your records
- Think of DSpace as the storage engine of your authors, records (files + metadata) and their structure
- There are several nice HTML interfaces on top of the storage engine, but you don't have to use them
- Think what useful services you can offer on top of the data you have (data is nice, but services matter to users)

Power of XML and XSLT

A lot of the available interfaces provide or consume XML. It's very easy to transform XML according to your needs using XSLT.

- combine different data sources
- extract, simplify provided data
- transform to other formats
  - most often HTML interfaces built by transforming XML

Mashups XML

Available data interfaces

TODO: Remake into tables (interface name / usage /data format / link (if not distributed as part of DSpace))

Getting data in

- SQL (when all else fails)
- Simple Archive Format
- AIP
- custom packagers
- SWORD
- LNI (WebDAV)
- REST

Getting data out

- SQL (when all else fails)
- Solr (search, statistics) many output formats
- OAI-PMH, OAI-ORE (Crosswalks)
- LNI (WebDAV)
- REST
- SRU/SRW
- command line packagers

HTML interfaces

- JSPUI
- XMLUI
- WebMVC Framermaker
- Skylight UI

Sources of other data

Data about items, authors

- ResearcherID
- ORCID
- Scopus API
- Web of Knowledge API
- PubMed
- ProQuest (?)
- SFX/OpenURL
- Bx
- DOI
- Sherpa/RoMEO API
- JCR (useful data, but no API)
- OCLC
- Ulrich
- OCLC authorities (?)

- LoC authorities (?)
- Library catalogue/OPAC
- Discovery system/Metasearch
- CRIS system (Current Research Information System)
- Patron data <-> DSpace submitter/author data
- ETD system workflow (EasyDeposit, Vireo)
- Statistics/analytics

Your local systems

- Library catalogue/OPAC
- Discovery system/Metasearch
- CRIS system (Current Research Information System)
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