Flexible Repository Services

The server: multiple views for multiple users

Built with ARROW\textsuperscript{ii} money on Apache Solr\textsuperscript{ii} and Fedora Commons\textsuperscript{ii}:

\begin{itemize}
  \item Show multiple web views (portals) from a single repository.
  \item Demonstrate the benefits of a Jython\textsuperscript{iv} scriptable indexer.
  \item Show workable access control using limit queries to constrain what user-groups can see.
  \item Used in:
    \begin{itemize}
      \item Humanities repository @ USQ\textsuperscript{v}.
      \item Australian IR census\textsuperscript{vi}.
    \end{itemize}
\end{itemize}

Getting small-scale research onto the data grid

Our goal: Make data management, exploration and routing as easy as PVC plumbing.

But repository standards are not quite as plug-n-play as plastic plumbing just yet.

We will be trialling an implementation of RIF-CS\textsuperscript{vii} which is a collection description language designed to allow discovery of data sets.

Other key standards: HTML, OAI-PMH\textsuperscript{viii}, OAI-ORE\textsuperscript{ix}, Atom Archive, AtomPub\textsuperscript{x}, SWORD\textsuperscript{x}, FRBR\textsuperscript{x}, OpenSearch\textsuperscript{xi}, SRU/SRW.

The Fascinator Desktop: eResearch collector

The Fascinator desktop finds all your stuff:

\begin{itemize}
  \item Treats directories/folders as metadata in their own right.
  \item Folksy tagging and formal ontology/taxonomy support.
  \item Route data to departmental, institutional or global repositories.
  \item Configurable to deal with ANY data type – automatic conversion.
  \item Configurable to deal with the way you work.
  \item Similar ideas: Lensfield\textsuperscript{xii}, MediaFlux\textsuperscript{xiii}.
  \item Inspiration: Picasa\textsuperscript{xiv}, DigiKam\textsuperscript{xv} and FieldHelper\textsuperscript{xvi} for data management, tagging and upload, MP3 players for browsing, Yahoo Pipes\textsuperscript{xvii} for pipiness, VuFind\textsuperscript{xviii} for faceting.
\end{itemize}

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