DLORN

Distributed Learning Object Repository Network

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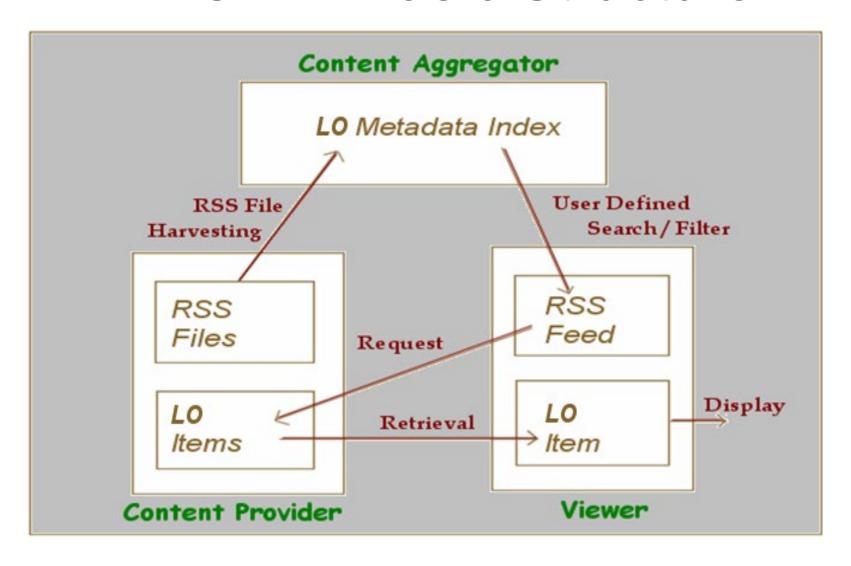
What is DLORN?

- A system that allows content producers to distribute their learning resources
- A mechanism that enables the subject specific aggregation of learning resources from many sources
- A means to allow course authors to locate and use resources from many sources

DLORN, the Concept

- DLORN should be thought of as a concept, not a product
- The central idea is that learning resources are distributed through a network
- DLORN isn't about content management, it is about content distribution
- The principles behind DLORN are those of the web: distributed, decentralized, open

DLORN: Basic Structure



Current Implementation

DLORN Distributed Learning Object Repository Network
Welcome to DLORN, your one-stop source for learning object syndication. We retrieve learning object metadata from across the web and store it here.
Today's DLORN Listings
DLORN Archives
DLORN Contributing Feeds
Add a DLORN Feed
About DLORN
Search DLORN: Search Search
[List Feeds][Add Another Feed][Back to DLOBN]

http://www.downes.ca/cgi-bin/dlorn/dlorn.cgi

Syndication Formats

- DLORN currently supports all versions of RSS with Syndication, Admin, DC and CC modules
- DLORN also supports all LOM fields as RSS modules (needs documentation)
- Planned: support for OAI repository harvesting

LOM Metadata in RSS

- Treat LOM as just another RSS Mod
- Prefix with LOM
- Example:

LOM Metadata: Issues

- As usual, what does the 'link' tag point to?
 - Preferred: to the LO directly
 - Optional: to the LO metadata
 - Really not desired: to an HTML summary page describing the LO
- Excess 'junk' in LOM
 - The endless 'languagestring' tags
 - The reference to VCard data

Metadata Repositories

- Intent is to conform to IMS DRI as much as possible – analogous to IMS 'search intermediary'
- Expectation that there will be many metadata repositories
- MDs harvest metadata and provide search services to e-learning applications

MD Issues

- Some repositories do not make all metadata available – eg CAREO, most recent 10 items
- Some repositories don't make any metadata available – eg. Corbis, Merlot
- MDs will have to output in a variety of (as yet unspecified) formats, eg., SOAP, XML-RPC, RSS, etc.

E-Learning Applications

- Right now, only the web browser, but of course MD output should be fed directly into applications, including:
 - Content aggregation tools
 - Learning Object browsers (akin to headline viewers)
 - LCMSs and LMSs

Third Party Metadata

- Not yet supported
- Third party reviews of learning objects
- Aggregated by MDs and made available as part of search process
- Includes:
 - Categorization
 - Reviews
 - Certifications

Digital Rights

- DLORN will support the eduSource DRM component
- The reason is to place free and priced learning resources side by side in search results (if desired by searcher). Why?
 - Creates market for free materials
 - Undermines existing publisher monopoly
 - Results in realistic content pricing

DLORN: Complete Structure

