

# Content models in the Hydra Project

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# The Hydra Project

- Collaboration between
  - The University of Hull
  - Stanford University
  - University of Virginia
  - Fedora Commons
- To produce a flexible, configurable repository and scholars workbench around Fedora 3.x, including a search and discovery interface

# The Hydra Project

- Hydra will be highly configurable but will come with an 'out-of-the-box' configuration
- The default configuration will contain a range of content models, SDefs and SDepS based on production experience at the partner sites
- The team want these to be simple yet flexible

# Hydra content models

- First iteration defined complete (metadata and digital content) content models (CMs) for each object type
- As time went on we came to realise this was cumbersome
- Second iteration defines a common metadata CM but separate content CMs

# Common metadata CM

- The team wanted to provide for a sensible range of metadata needs but not impose them.
- The latest version assumes “optional” datastreams in the CM. Fedora have promised this enhancement

- **Maybe:**

```
<dsTypeModel ID="provenanceMetadata" type="optional">  
<form MIME="text/xml"></form>  
</dsTypeModel>
```

# Common metadata CM

- This CM provides for:
  - DC (Fedora minimal)
  - RELS-EXT
  - descMetadata (descriptive – default will be MODS)
  - rightsMetadata
  - contentMetadata (a content map) [compulsory if object will generate a splash page, optional otherwise]
  - technical Metadata [optional]
  - provenanceMetadata [optional]
  - sourceMetadata [optional]

# Complementary CMs

- Currently:
  - Explicit set
  - Implicit set
  - Aggregation (aka parent – probably with ‘generic simple’ children)
  - Generic simple (single content datastream)
  - Generic image (four resolutions)
  - jpeg 2000

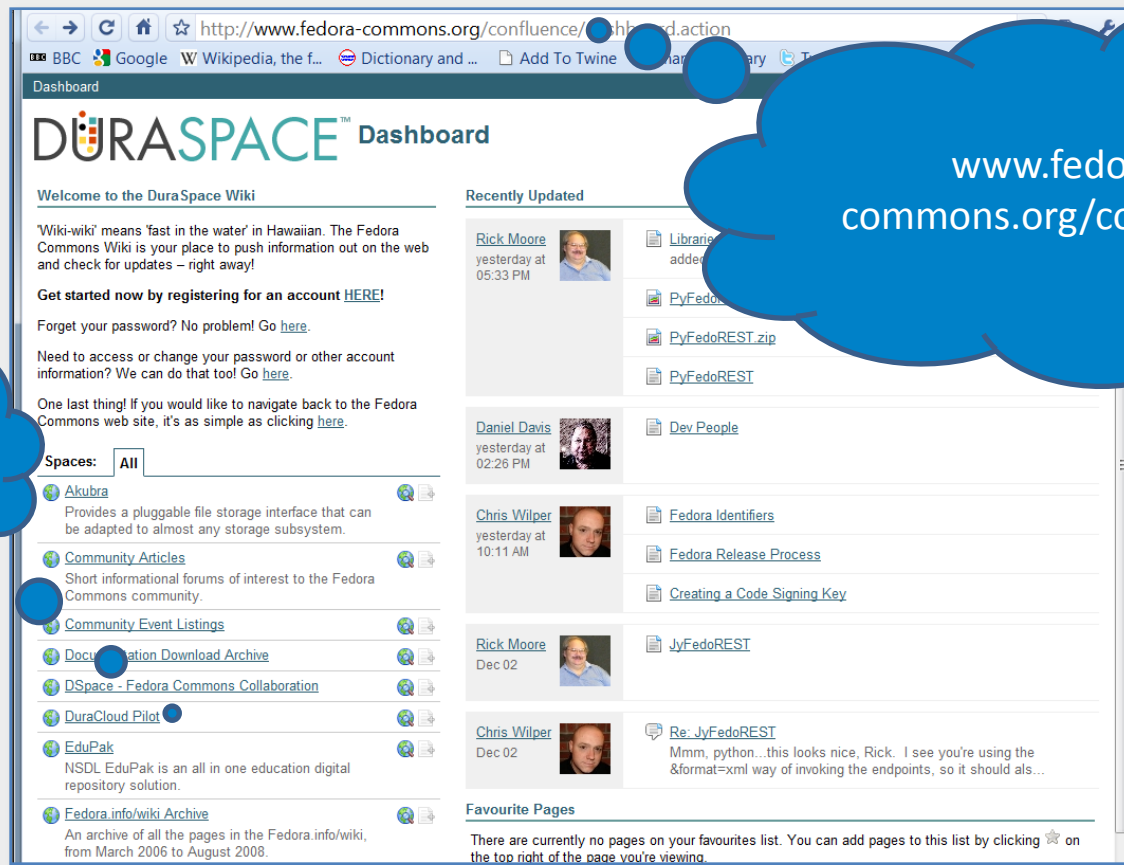
# Disseminators

- Hydra will always access content via disseminators  
(thus an abstraction layer)
- All CMs have a range of disseminators defined, eg:
  - Common metadata
    - getDC
    - getDescMetadata
  - Generic simple
    - getContent
  - Generic image
    - getThumbnail
    - getMax



# Details on Hydra wiki

Hydra



Dashboard

**DURASPACE™ Dashboard**

Welcome to the DuraSpace Wiki

'Wiki-wiki' means 'fast in the water' in Hawaiian. The Fedora Commons Wiki is your place to push information out on the web and check for updates – right away!

**Get started now by registering for an account [HERE!](#)**

Forgot your password? No problem! Go [here](#).

Need to access or change your password or other account information? We can do that too! Go [here](#).

One last thing! If you would like to navigate back to the Fedora Commons web site, it's as simple as clicking [here](#).


Spaces:

- [Akubra](#)  
Provides a pluggable file storage interface that can be adapted to almost any storage subsystem.
- [Community Articles](#)  
Short informational forums of interest to the Fedora Commons community.
- [Community Event Listings](#)
- [Documentation Download Archive](#)
- [DSpace - Fedora Commons Collaboration](#)
- [DuraCloud Pilot](#)
- [EduPak](#)  
NSDL EduPak is an all in one education digital repository solution.
- [Fedora.info/wiki Archive](#)  
An archive of all the pages in the Fedora.info/wiki, from March 2006 to August 2008.

**Recently Updated**

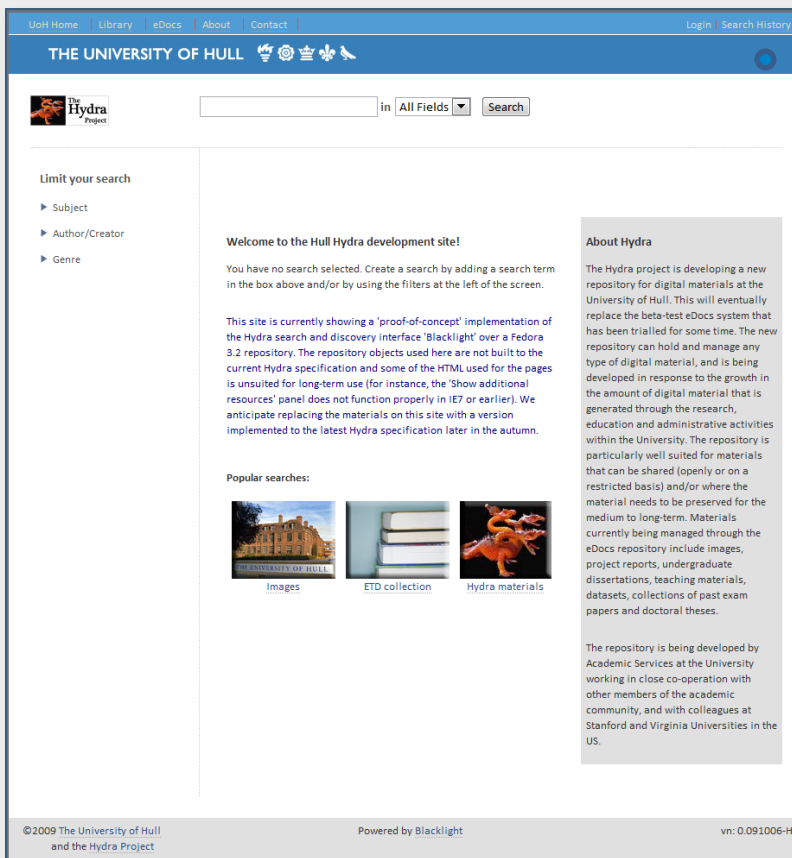
- [Rick Moore](#)  
yesterday at 05:33 PM  
[Library added](#)
- [PyFedora](#)
- [PyFedoREST zip](#)
- [PyFedoREST](#)
- [Daniel Davis](#)  
yesterday at 02:26 PM  
[Dev People](#)
- [Chris Wilper](#)  
yesterday at 10:11 AM  
[Fedora Identifiers](#)  
[Fedora Release Process](#)  
[Creating a Code Signing Key](#)
- [Rick Moore](#)  
Dec 02  
[JyFedoREST](#)
- [Chris Wilper](#)  
Dec 02  
[Re: JyFedoREST](#)  
Mmm, python...this looks nice, Rick. I see you're using the &format=xml way of invoking the endpoints, so it should als...

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www.fedora-commons.org/confluence

# Hull's Hydra prototyping site



hydra.hull.ac.uk

Health warning:

The test objects on this site are not yet built to the latest Hydra standards

The prototype here is only for the search & discovery interface and underlying objects

# Thank you!

- [www.fedora-commons.org/confluence](http://www.fedora-commons.org/confluence) ➔ Hydra
- [r.green@hull.ac.uk](mailto:r.green@hull.ac.uk) / [c.awre@hull.ac.uk](mailto:c.awre@hull.ac.uk)
- [hydra.hull.ac.uk]
  - demo site but not yet to current specifications