

Concept - Canto Cumulus Integration

 Draft for 5.4

★ Status: Draft, PoC in progress

Integration of Cumulus - DAM system by Canto.

- [Requirements](#)
- [Open questions](#)
 - [Mapping Cumulus data model to DAM API](#)
 - [Action availability](#)
 - [Activation](#)
 - [Mapping metadata](#)
 - [Renditions](#)
- [Architecture](#)
- [Proof of concept](#)

Requirements

The goal of this project is to integrate Canto's DAM systems like [Cumulus](#) through the REST version of [Canto Integration Platform \(CIP\)](#) web service.

- We need to implement CIP AssetProvider based on the rest client.
- We need to develop tree (already done), list & thumbnail container views based on the asset provider.
- It should be possible to connect the asset provider by specifying the server address, credentials and the catalog in configuration.
- We will use only one Cumulus user for all Magnolia users. 

Open questions

Some tasks, like session management or caching, are to be handled by the REST client.

Mapping Cumulus data model to DAM API

- You can safely identify the item representing an asset by specifying the **catalog** name and item ID.
- As an abstraction, there is a hierarchy of **categories**, which can contain other subcategories.
 - Item can be assigned to more categories
 - When the item is assigned to a category, it's also assigned to all the parents of that category.
 - "root" category is *id=1*. *id=2* and *id=3* are reserved for internal uses.
 - the categories are called *containers* ****on some places**** in web client.
- other features are Upload Collections (service enabling users to upload to certain collection through public URL), Basket (provides a way to bulk-download selected assets - behaves like shopping cart).
- See <http://sandbox.canto.com:8083/CIP/doc/CIP.html> for further documentation.

Because of the way categories are implemented, the tree presenter isn't the best approach here.

We could solve this with two workbenches - one with tree presenter for categories which would lead to asset list on double-click, or we could implement something like this (already done in *forge/deadlink-app*):

Categories	Assets	
▶ PDF	Asset name	Type
▶ PowerPoint	My dog	image - jpg
▼ Images	Foo	image - jpg
▶ <u>JPEG</u>	Bar	image - jpg
▶ Demo		

Action availability

TODO

Activation

TODO

Mapping metadata

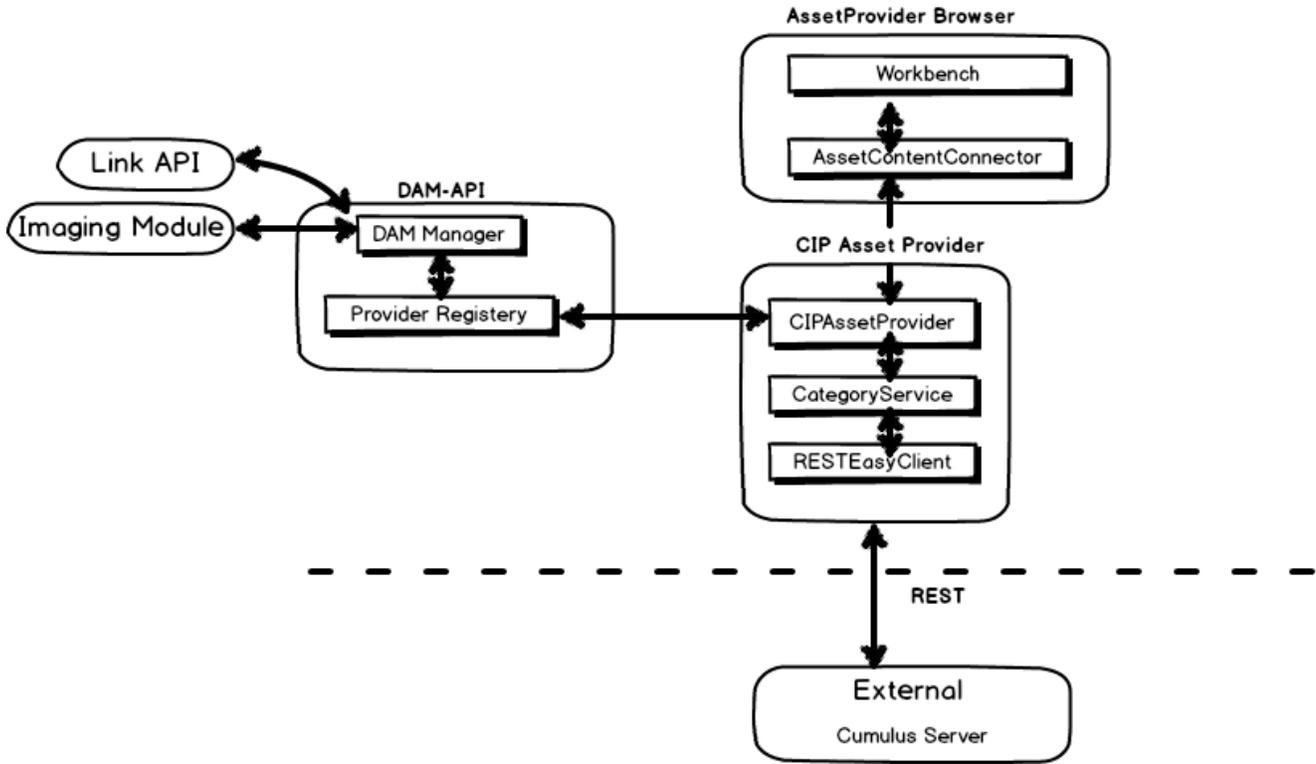
Cumulus has its own set of properties.

TODO

Renditions

- Use CIP's preview service for generating thumbnails & variations.
- Preview service supports cropping, scaling and rotating

Architecture



Proof of concept

<https://git.magnolia-cms.com/gitweb/?p=user/rsiska/magnolia-dam-cip.git;a=summary>