

*Opening up
Archbishops'
Registers
with
Fedora 4 and Hydra*

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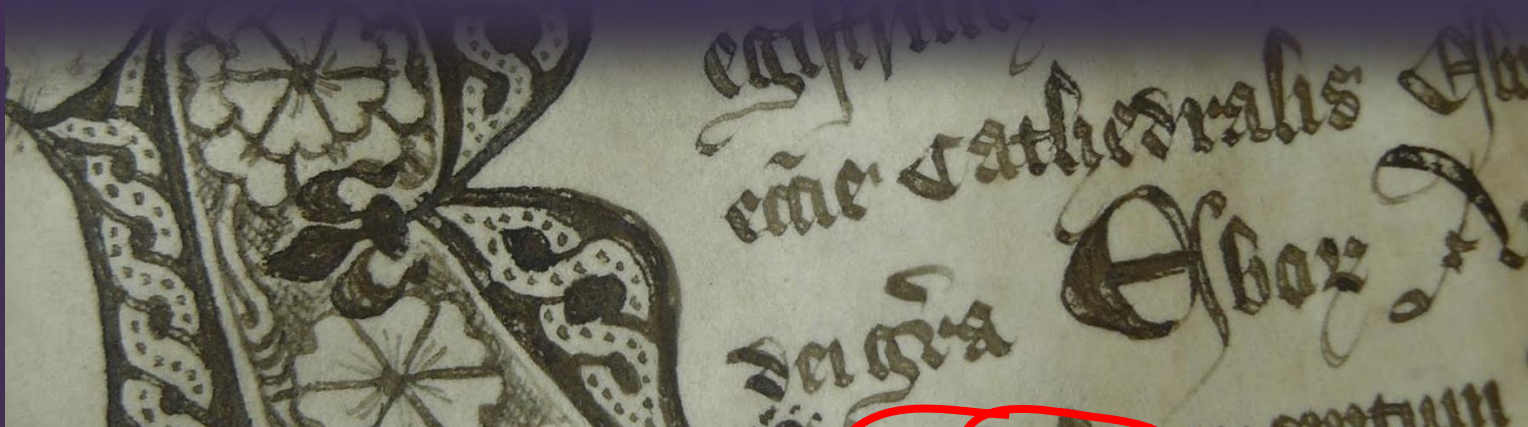
25 September 2015

LIBRARY

ARCHIVES

IT

YORK'S ARCHBISHOPS' REGISTERS REVEALED



Conservation

Imaging

Development

Training

Development

- *Build a tool to ingest the images into our Fedora repository*
- *Build an editing tool for indexing people, places, subjects and dates*
- *Add IIIF-support*
- *Build a lovely search interface*

Bigger picture

- **Existing Fedora 3 multimedia repo**
 - **custom (java / jsp) front-end**
 - **more than 100k objects**
 - **lots of images, and other stuff**
- **Moving to Hydra as more ‘future proof’**

Technology Choices

- *Original idea was to use F3, devised XML schema for data*
- *Speed of F4 and Hydra 9 development made us re-think*
- *Good way of 'dipping our toe in the water', free of legacy data to migrate*



45
Kirkstatham
ccciv.

Omnes &c. Nos ad presentacionem nobis unius domini Ricardi Comitis Cornubi & Sicilie & de assensu & uoluntate Willelmi de
Cherelato Archidiaconi Fichemund. septimo huiusmodi anno pontificatus nostri dilecti filii domini Willelmi de Eboraco canonici
Eboraco ad ecclesiam de Kirkstatham. scilicet in eadem. &c. Aliud huiusmodi de Kirkstatham quoad unam portionem sui quoniam huiusmodi in ecclesia
memorata. testibus. magistro Petrico de Bont canonico Eboraco. Willelmo de Wanedon. Thano de Walford. & Reginaldo de Wollod.
Magistro de Halye. clericis & aliis. Dat. apud Hampton. vij. huiusmodi pontificatus nostri anno. Dices. cccc.

46
Dunham
cccvi
53

Omnes &c. Nos ad presentacionem nobis unius domini G. de Dunham prioris ecclesie de Dunham uidegite sede Dunham
admisit dilecti filii domini Willelmi de Eboraco canonici Eboraco. quia Eboraco Augusti pontificatus nostri anno. xxij. ad ecclesiam
Aliud quadam eisdem ecclesie portione quoniam huiusmodi in eadem nomine uidegite quoad unam. In d. &c. testibus & Dat. ut in p. cor.

47
Cotes
cccvii

Omnes &c. Nos ad presentacionem dilectorum filiorum Prioris & Conuentus Cotes prioris ecclesie de Cotes
gracie ad unum dilecti filii Eboraco filii loci de Lond. clericus ad eandem medietatem ecclesie de Cotes
Dat. apud Lameix. xij. kal. Jun. pontificatus nostri anno. xxij.

48
Jut.
Dein le peccat
cccviii

Omnes &c. Nos ad presentacionem prioris & Conuentus Dunham prioris ecclesie de Dunham
Roberti de Flichehoep clericus ad eandem ecclesiam admisit scilicet in eadem canonice constituisse presentacionem. de in corpore pos
sessionem ipsius in omnibus ad eam spectantibus induci fecisse. Aliud eisdem prioris & Conuentui debita & Antiqua pensione
sua. &c. Dat. apud Colled. xij. kal. Jul. pontificatus nostri anno. xxij.

49
Dunham

Omnes &c. Nos ad presentacionem dilectorum filiorum Prioris & Conuentus Dunham prioris ecclesie de Dunham

45
1244

Kirkstall
ccc?iv.

Omnes et d. Hominibus nos ad presentacionem nobis unum dnm Ric^m Com^m Cornub^m et Sidm^m et de assensu et uoluntate Willelmi de
 Theresfeld archid^m Fichemund. septimo kalendas Junij anno pont^m nri dncis sedis admississe dilectum filium dnm Willel^m de Ebor^m canonice
 Ebor^m ad ecclesiam de Kirkstall. p^mncip^m in eadem. et d. Walud^m Ric^m de Kirkstall quoad unam portionem suam quam habet in ecclesia
 memorata. testibz. magistro Petrelo de Bont canonice Ebor^m. Willelmo de Warden. Thano de Walsand. Rogualdo de Scollid.
 Rogo de Halye. et alijs. Dat^m apud Hampton. iij. kalendas Junij pont^m nri anno. dncis. cccc.

46
1246
ccc?v.

Omnes et d. Hominibus nos ad presentacionem nobis unum dnm G^m de Wmsfordm^m p^mncip^m ecclesie de Cumberham uidec^m sede duntaxat
 admississe dilectum filium dnm Willel^m de Ebor^m canonice Ebor^m. p^mncip^m Ebor^m Augusti pont^m nri anno. xxij. ad ecclesiam p^mncip^m et d.
 Aliud uiderio eiusdem ecclesie p^mncip^m quam habet in eadem nomine medietate quoad unam. In d^m et d. testibz et alijs ut in p^m cor^m.

47
1238
ccc?vi.

Omnes et d. Hominibus nos ad presentacionem dilectorum filiorum prioris et conventus Lenton p^mncip^m ecclesie de Cotegrave
 grante admississe dilectum filium Nich^m filium Jocii de Lond^m clericum ad eandem medietatem quoad unam ecclesie de Cotegrave
 Dat^m apud Lambeth. xij. kalendas Junij pont^m nri anno. xxij. In cui^m et d. test^m et alijs ut in p^m sup^m.

356 Institution of Nicholas, son of Jocii de Lond', clerk, to a mediety of the church of Cotegrave at the presentation of the prior and convent of Lenton. Dated at Lambeth, 19 June 1238

48
1248
ccc?viii.

Omnes et d. Hominibus nos ad presentacionem dilectorum filiorum prioris et conventus duntaxat p^mncip^m ecclesie de Cotegrave
 Roberti de Flichechep^m etiam ad eandem ecclesiam admississe p^mncip^m in eadem canonice p^mncip^m p^mncip^m de in corp^m p^mncip^m p^m
 possessionem ipsius in omnibus ad eam spectantibus induca fecisse. Aliud eadem prioris et conventus debet et antea p^mncip^m
 Dat^m apud Lambeth. xij. kalendas Junij pont^m nri anno. xxij.

49
1249
ccc?ix.

Omnes et d. Hominibus nos ad presentacionem dilectorum filiorum prioris et conventus duntaxat p^mncip^m ecclesie de Cotegrave
 Roberti de Flichechep^m etiam ad eandem ecclesiam admississe p^mncip^m in eadem canonice p^mncip^m p^mncip^m de in corp^m p^mncip^m p^m
 possessionem ipsius in omnibus ad eam spectantibus induca fecisse. Aliud eadem prioris et conventus debet et antea p^mncip^m
 Dat^m apud Lambeth. xij. kalendas Junij pont^m nri anno. xxij.

Person

Occupation

Institution of **Nicholas, son of Jocii de Lond'**, **clerk**, to a

Place

mediety of the **church of Cotegrave** at the

Event

Place

presentation of the prior and convent of Lenton, **Dated** at

Event

Lambeth, **19 June 1238**

Place

Date

Modelling the Data



registri venerabilis
eius cathedralis
de qua

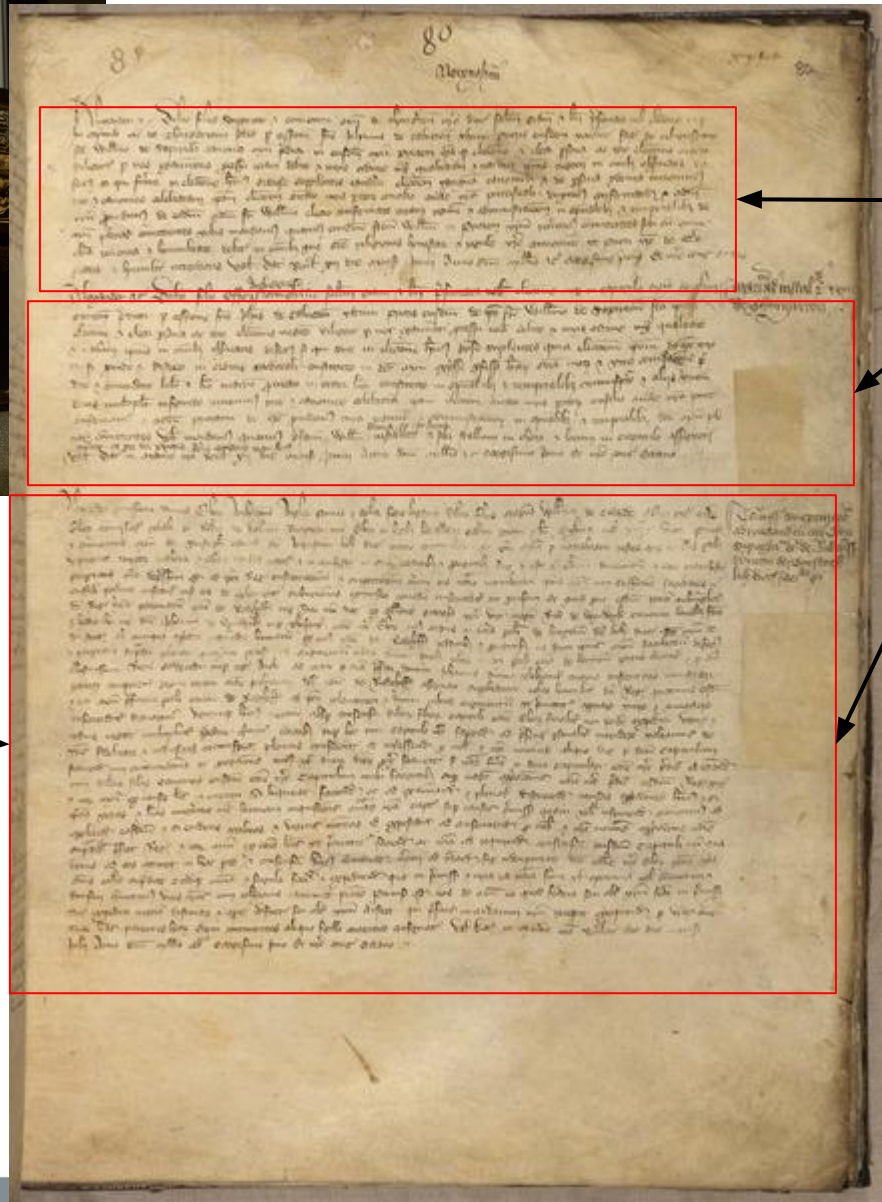
spinalibus
vicariis generalis
inceptum

milliesimo
trigesimo
octogesimo

Thomas...



Register(s)

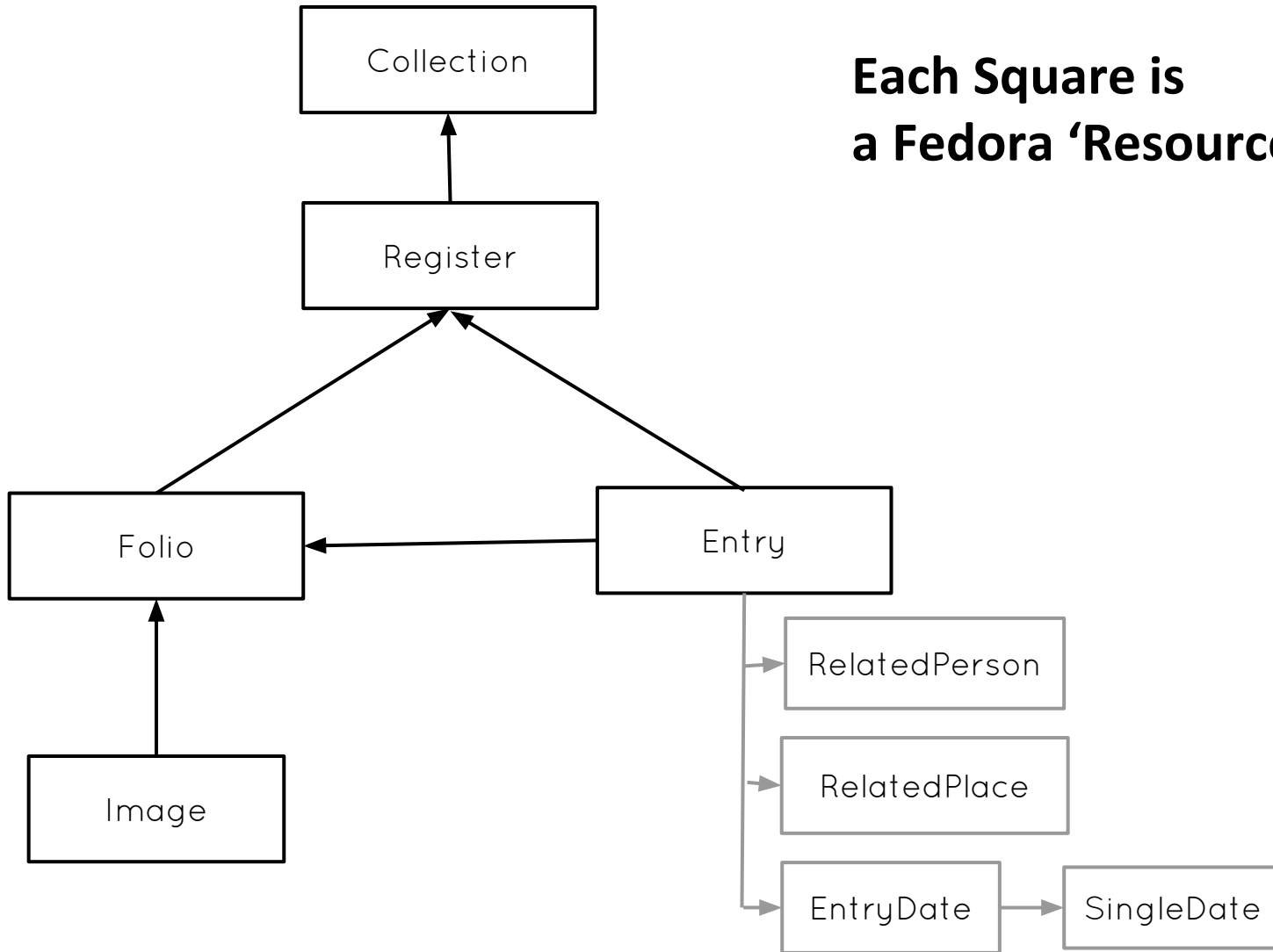


Folio / Page

Entries



**Each Square is
a Fedora 'Resource'**



Data Model

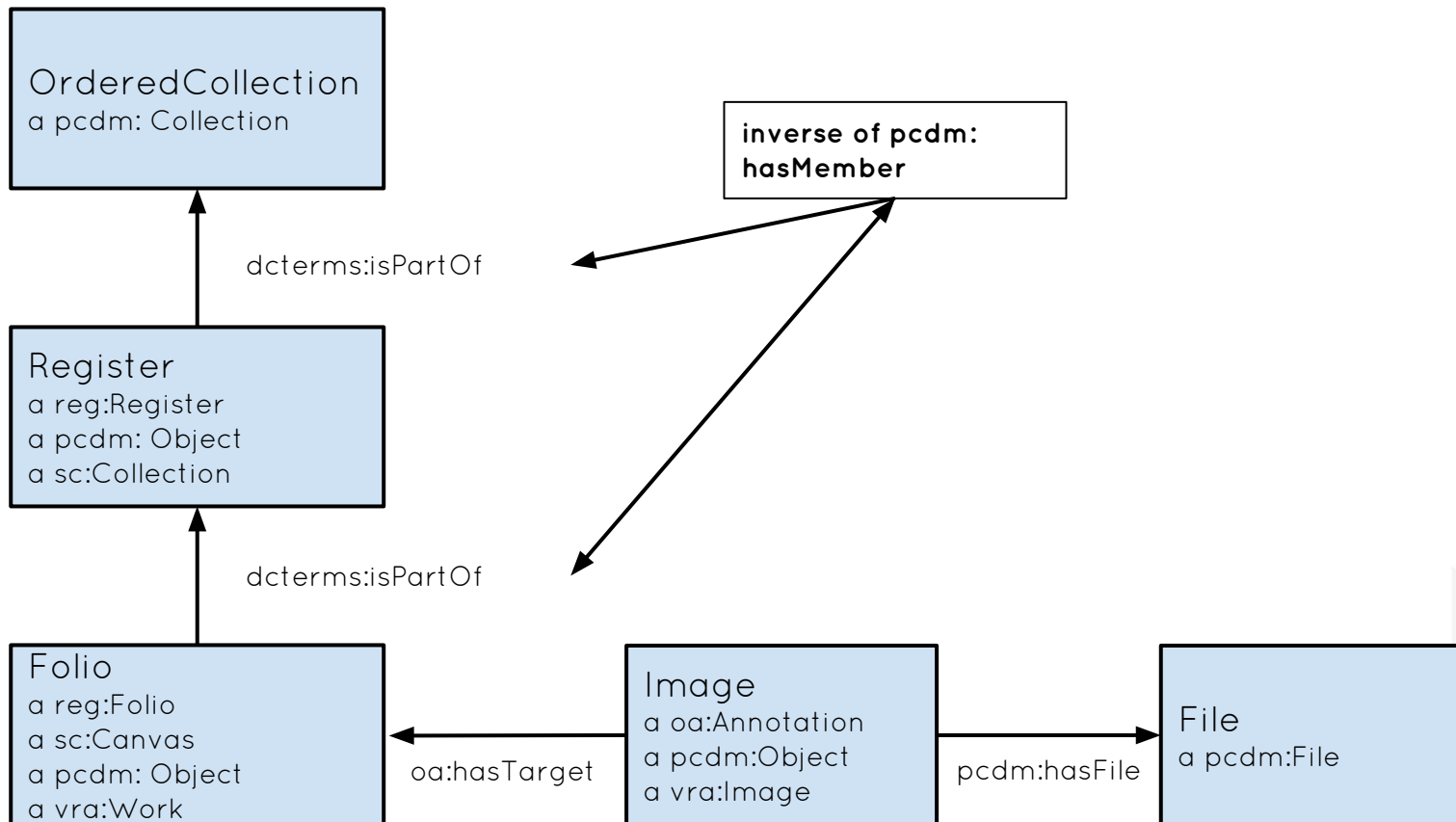
- *Fedora 4 will to store all data, from the entries and registers themselves, to the concepts, authorities and ontologies developed to support their description.*

Data Model

- *The model will be IIF-compliant*
- *The model will be PCDM-compliant**

**as far as possible*


Data Model




| Class | Property | Expected Object Type | Usage |
|------------------------|----------------------|----------------------|--|
| <u>Register</u> | rdf:type | URI | reg:Register pcdm:Object sc:Collection |
| | reg:reference | Literal(String) | 1 |
| | skos:prefLabel | Literal(String) | 0..1 |
| | dcterms:description | Literal(String) | 0..1 |
| | iana:first | URI | Internal: Folio |
| | iana:last | URI | Internal: Folio |
| | hub:accessProvidedBy | URL | default value 1 |



*Same As:

 Ravens

As Written: 


Sir Richard de Ravens'




Gender:


male 

Person Role: 

founder of chapel 




*Descriptor: 

archdeacon 



canon 



Descriptor As
Written: 

archdeacon, Lincoln', diocese





canon, Ebor', diocese




canon, Beverlac', collegiate church



Note: 


Related Place: 

Lincoln' 



Ebor' 



Beverlac' 

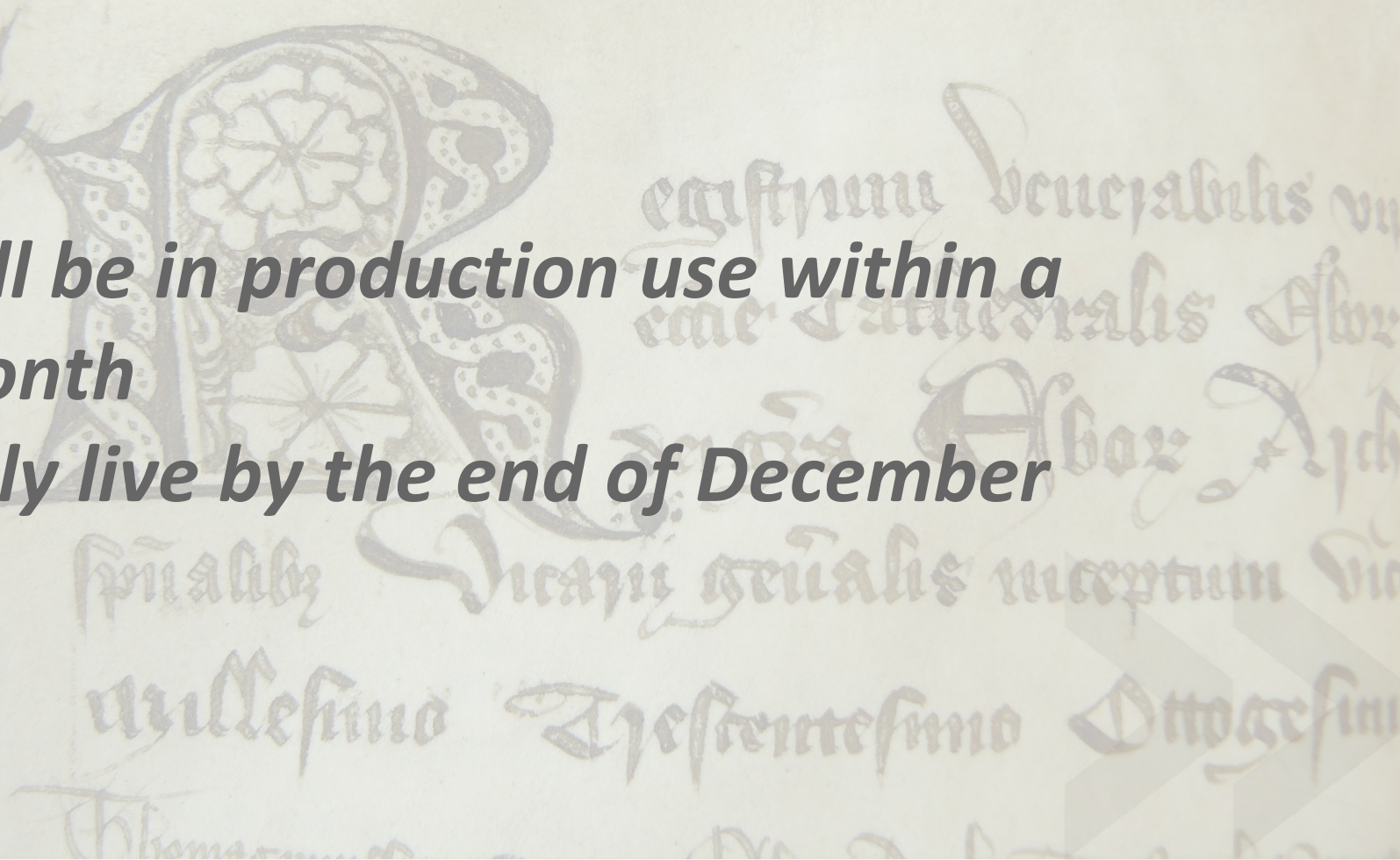


Data Model

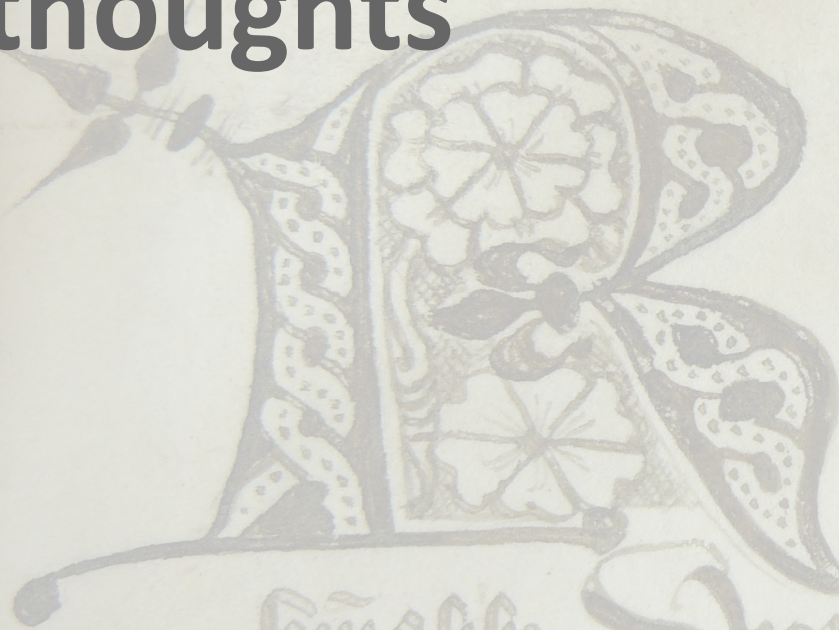
- *Ordered Collection, Register, Folio, Image, Entry, Person / Group, Place, Dates*
- *Order, Proxy*
- *Concept Scheme, Concept, Person and Place*
- *Ontology, Class, Property*

Mellon Editing Tool

- *will be in production use within a month*
- *fully live by the end of December*



Some issues / challenges / thoughts



egistum venerabilis vi
eae cathedralis Ebor
de gra Ebor Nich

spinalibz Vicari generalis inceptum vic

arulesimo Trescentesimo Ottoagesimo

Thomas...

Identifiers in F4

- *F3s 'PID' is gone*
- *URLs are F4s unique identifier*



egistrium venerabilis vi
ecce cathedralis Ebor
Ebor Nich
spinalibz Vicarij generalis inceptum vic
arulesimo Trescentesimo Ottoagesimo
Thomas...

- *Fedora URIs need 'hierarchy' to avoid modeshape performance issues*
- *This hierarchy can be arbitrary or based on containment*
- *They also include some application-specific constructs*

<http://127.0.0.1:8080/fedora/rest/dev/21/a5/bf/da/yorkabp:34228>

- *we've adopted NOID and are minting 'pid-like' identifiers*
- *Hydra retains the distinction between id and uri*

http://127.0.0.1:
8080/fedora/rest/dev/21/a5/bf/da/york
abp:34228

Containers

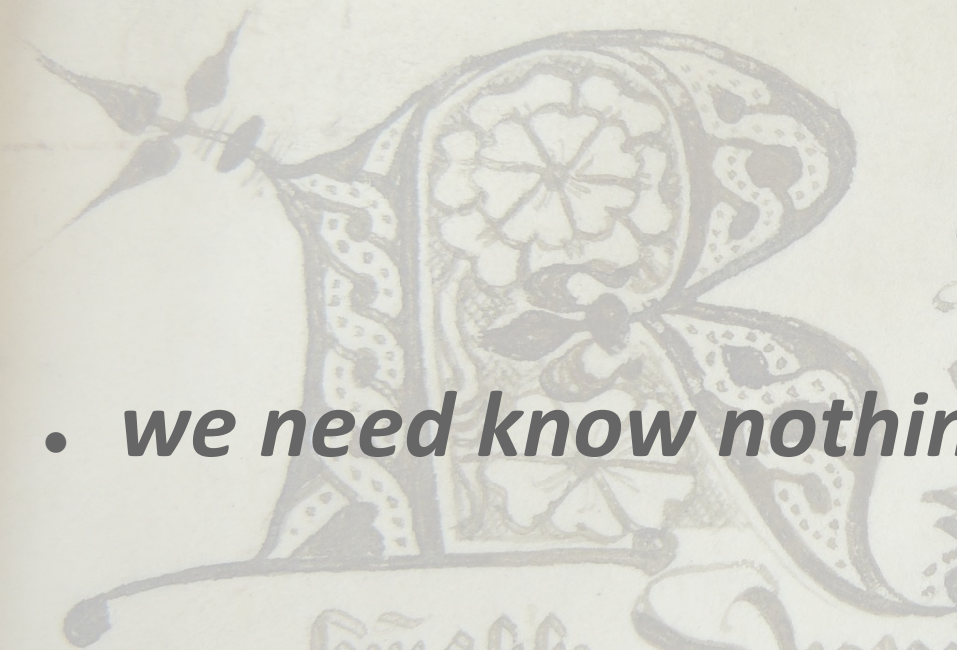
- ***We have not implemented LDP containers:***
 - ***lack of Hydra support***
 - ***lack of convincing case***
 - ***lack of understanding***
 - ***baking hierarchy into URIs***

Performance

- *Hydra's ActiveFedora is slow at creating / updating an Entry with lots of associated people / places / dates*

Hydra: blessing and curse

- *we need know nothing about Fedora*



egistum venerabilis
eae cathedralis
de gra Ebor
spinalibz
vicarij generalis
millefimo
Tricesimo
Ottozesimo

Thanks ...

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egistrium venerabilis vi
cathedralis Ebor
Ebor Nich
spūalibz Vicariū generalis inceptum vic
vullesimo Tricesimo Ottoagesimo
Thomas