
Trying to automate cataloguing

Let the machines do some work...



Content

Making catalogue records for digitised material

- The problem
- The solution – our (one of many)
 - XML (Extensible Markup Language)
 - XSLT (Extensible Stylesheet Language Transformation)
 - The two record model
 - Libris- and Reginald (identifiers)

The problem

When you digitise, you need to update the MARC records in the catalogues

How to catalogue digitised material?

- One record – attach the digitised version to original record
- Two records – make a new record for digitised version
 - + Easy to export to other systems
 - + The record only describe the digitised manifestation
 - Quite a lot of work for cataloguers

Two record model – what does it look like

The screenshot shows the LIBRIS search interface. At the top, there is a navigation bar with 'LIBRIS' and a leaf icon, and links for 'HELP', 'PÅ SVENSKA', and 'PREFERENCE'. Below this is a search bar with the text 'olja i rör' and a 'Search' button. A 'My libraries' checkbox is also visible. The search results are displayed in a list view, showing two records. The first record is a book from 1970, and the second is a digitized book from 1970. Both records are titled 'Olja i rör : delbetänkande / avgivet av 1968 års utredning om rörtransport av olja och gas'. The first record is available in 20 libraries, and the second is available in 1 library. The interface includes sorting options (relevancy), grouping options (none), and hits per page (10).

LIBRIS HELP | PÅ SVENSKA | PREFERENCE

Start Extended search Index A-Ö Boolean Subdatabases

olja i rör My libraries

Search: olja i rör

Result 1-2 of 2

Sort by: relevancy Group by: none Hits per page: 10

-  1968 års utredning om rörtransport av olja och gas
[Olja i rör : delbetänkande / avgivet av 1968 års utredning om rörtransport av olja och gas](#)
1970
 **Book** [20 libraries](#)
-  1968 års utredning om rörtransport av olja och gas
[Olja i rör \[Elektronisk resurs\] : delbetänkande / avgivet av 1968 års utredning om rörtransport av olja och gas](#)
1970
 **Book (digitized)** [1 library](#)
[Read full](#)

Two record model-printed

008 020416s1893 sw a 000 0 swe c
040 a S
1102 a A. J. G. Bissmarck & c:o
24500 a Gasglödljus
260 a Göteborg c 1893
300 a 1 bl.
6504 a Lampor v Affärstryck
61124 5 S a Vardagstryck
8528 5 S b S h Vardagstryck j Affärstryck 1800-tal 8:o Bissmarck

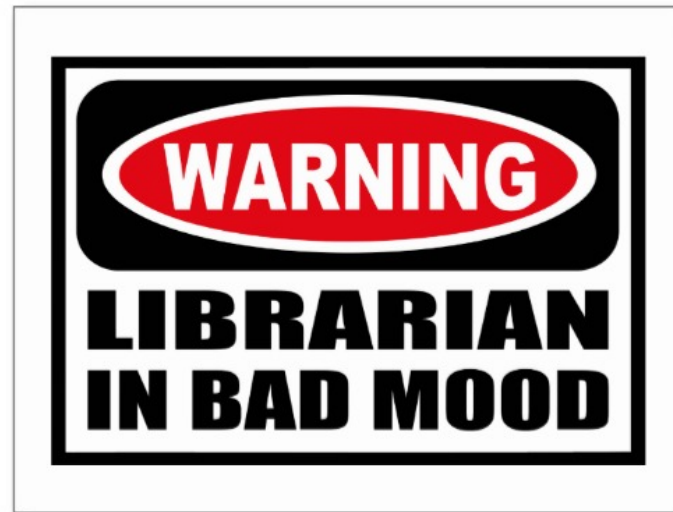
Two record model-digital

007 cr|||||||||
008 020416s1893 sw a o 000 0 swe c
040 a S
042 9 DIGI 9 SVDA
1102 a A. J. G. Bissmarck & c:o
24500 a Gasglödljus h [Elektronisk resurs]
260 a Göteborg c 1893
300 a 1 bl.
533 a Digitalt faksimil b Stockholm c Kungliga biblioteket d 2012
6504 a Lampor v Affärstryck
61124 5 S a Vardagstryck
77608 i Originalversion t Gasglödljus w 8415694
8528 5 S b S z Digitaliserat exemplar z Fritt tillgänglig via internet
85640 u <http://urn.kb.se/resolve?urn=urn:nmn:se:kb:vardagstryck-8415694>
z Fritt tillgänglig via Kungl. biblioteket
85642 u <http://weburn.kb.se/tumnagel.jpg> z Titelsida x digipic

Two record model-printed (updated)

008 020416s1893 sw a 000 0 swe c
040 a S
1102 a A. J. G. Bissmarck & c:o
24500 a Gasglödljus
260 a Göteborg c 1893
300 a 1 bl.
6504 a Lampor v Affärstryck
61124 5 S a Vardagstryck
77608 i Digitaliserad version t Gasglödljus w 14800729
8528 5 S b Sh Vardagstryck j Affärstryck 1800-tal 8:o Bissmarck

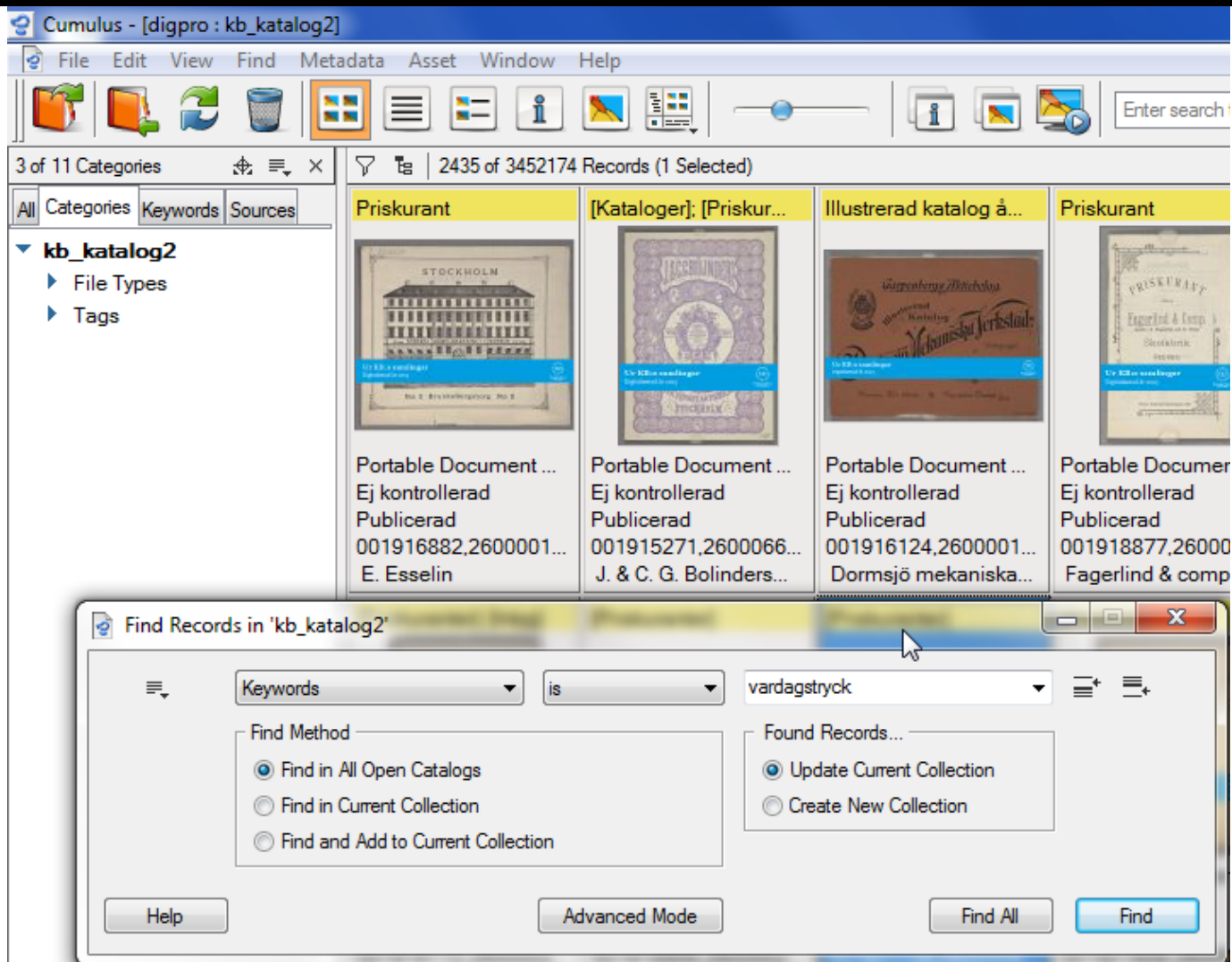
This takes time!



The solution

.....Work in progress

Cumulus – digital asset manager




Cumulus

Information for asset "[Priskuranter]" of "digpro : kb_katalog2"

Field Name | Field Content

Thumbnail



▼ Work

Object Author | Fahnehjelm & c:o

Record Name | [Priskuranter]

Institution | A. L. Fahnehjelm

▼ Manifestation

Libris ID | 8420586

Regina ID | 001918906

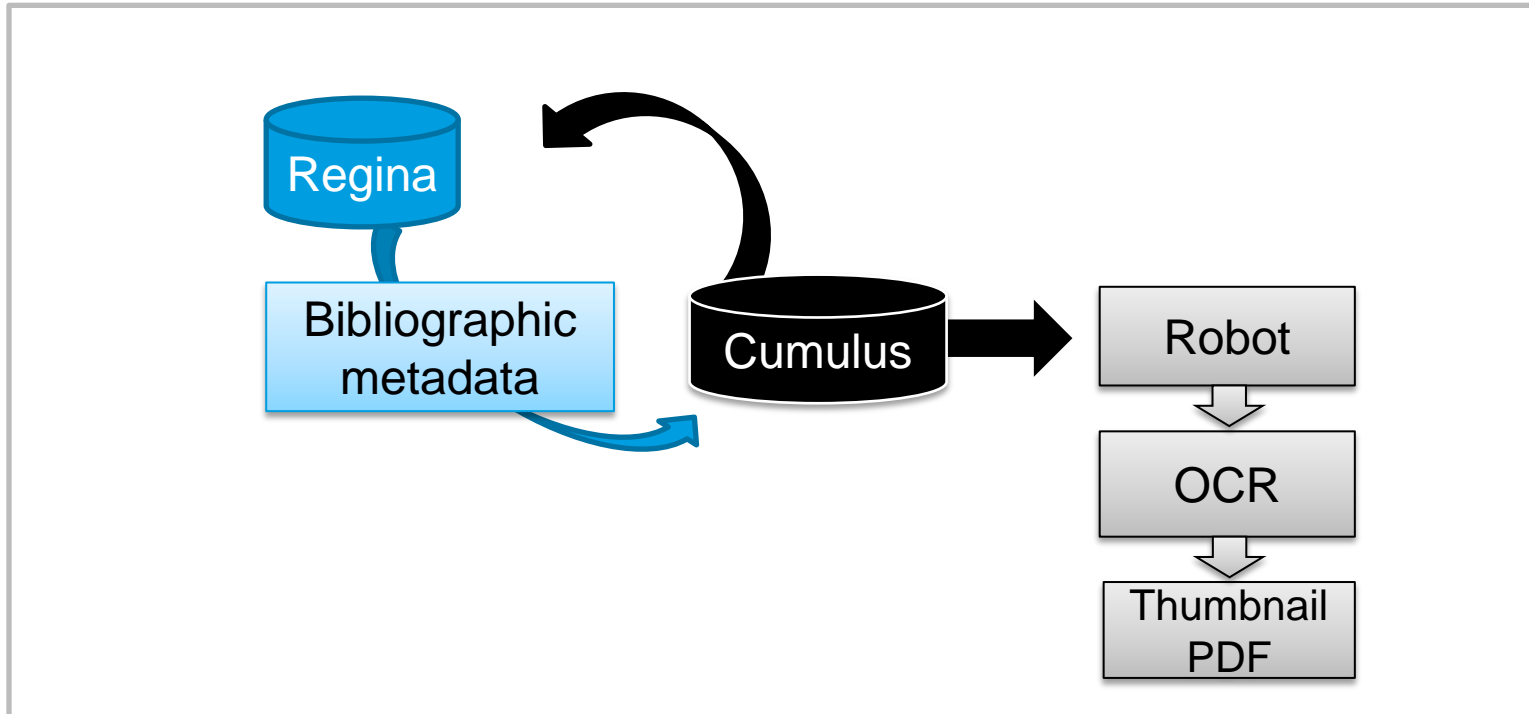
Item ID | 2600023

Sequence ID | 1

Object Cataloging Date | 1843-1899

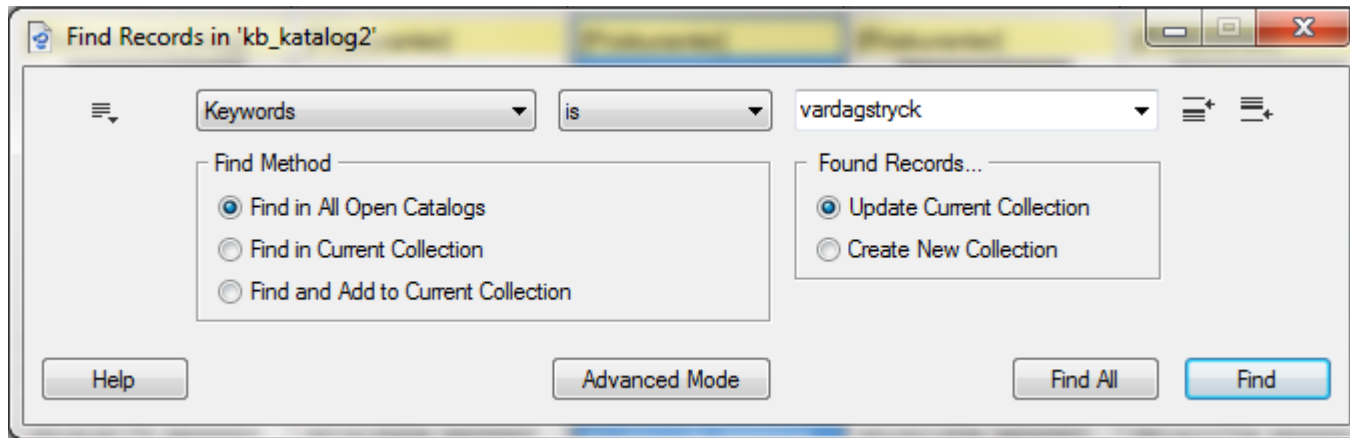
Signum | Vardagstryck Affärstryck 1800-tal 8:o

Digitising work flow – production system

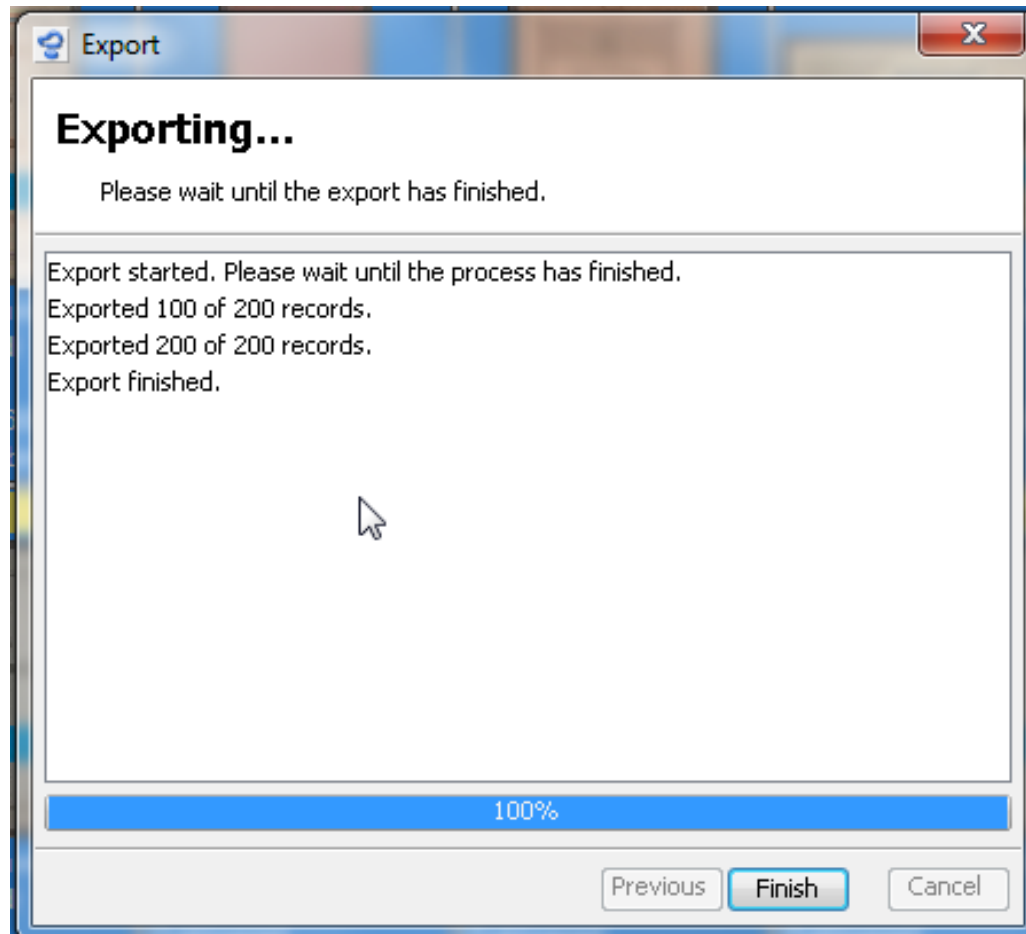


Cumulus – export metadata

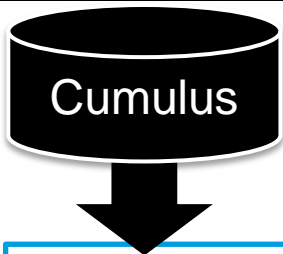
- Find the material you want to work with



Cumulus – exporter metadata



XML from Cumulus – the key



XML

```
<ns:FieldValue uid="{cc6ab599-d75a-414a-bd23-6edeaf06e6e7}">617027</ns:FieldValue>
<ns:FieldValue uid="{af4b2e24-5f6a-11d2-8f20-0000c0e166dc}">2012-05-21 02:53:18</ns:FieldValue>
<ns:FieldValue uid="{05f6f3f0-833a-45a0-ade4-8e48542f37ef}">823</ns:FieldValue>
<ns:FieldValue uid="{98a69fb0-2c22-4d4a-98f0-6f59d85d3f30}">000213513,1,p,1.pdf</ns:FieldValue>
<ns:FieldValue uid="{16412fac-3e25-4847-8307-33d792b75d4f}">1965 ; </ns:FieldValue>
<ns:FieldValue uid="{af4b2e6a-5f6a-11d2-8f20-0000c0e166dc}">bildarkiv-webb</ns:FieldValue>
<ns:FieldValue uid="{97fda265-3e87-49de-83a1-6b6eb3686544}">1</ns:FieldValue>
<ns:FieldValue uid="{af4b2e06-5f6a-11d2-8f20-0000c0e166dc}" displayValue="2012-05-21T08:53:18+02:00">
<ns:FieldValue uid="{1766e88e-50c6-499c-8569-6b863aa1c52f}">Kontrollerad</ns:FieldValue>
<ns:FieldValue uid="{af4b2e0c-5f6a-11d2-8f20-0000c0e166dc}">
  <ns:CategoryValue>$Categories:File Types:pdf</ns:CategoryValue>
  <ns:CategoryValue>$Categories:Tags:digital_production</ns:CategoryValue>
</ns:FieldValue>
<ns:FieldValue uid="{af4b2e00-5f6a-11d2-8f20-0000c0e166dc}">Godtrosförvärv av lösöre : betänkande
```

The components

1. Load file for the LIBRIS union catalogue and Regina (local system)
 2. URN resolver source file
 3. HTML "landing-pages"
- + presentation pages

1) Load file to LIBRIS

XML from Cumulus (printed record)

```
<ns:FieldValue uid="{cc6ab599-d75a-414a-bd23-6edeaf06e657}">8420586</ns:FieldValue>  
<ns:FieldValue uid="{94fdb48c-a738-4c91-8720-b4a2d03632f4}">urn-nbn-se-kb-digark-1892038.pdf</ns:FieldValue>  
<ns:FieldValue uid="{cae4cf46-e8dd-49be-8b78-b067f531fa3f}">Vardagstryck Affärstryck 1800-tal 8:o</ns:FieldValue>  
<ns:FieldValue uid="{98a69fb0-2c22-4d4a-98f0-6f59d85d3f30}">001918906,2600008,p,1,,o18uu.pdf</ns:FieldValue>
```

XSLT stylesheet

Load file

8420586 ; <http://urn.kb.se/resolve?urn=urn:nbn:se:kb:vardagstryck-8420586> ;
<http://weburn.kb.se/tumnaglar/06/001918906,2600008,i,1,,o18uu.jpg>

MARC for the digitised record

856 4 0 u <http://urn.kb.se/resolve?urn=urn:nbn:se:kb:vardagstryck-8420586> x digiwork z Fritt tillgänglig via
Kungl. biblioteket
856 4 2 u <http://weburn.kb.se/tumnaglar/06/001918906,2600008,i,1,,o18uu.jpg> z Titelsida x digipic

2) URN source file

```
<ns:FieldValue uid="{cc6ab599-d75a-414a-bd23-6edeaf06e6e7}">8420586</ns:FieldValue>
```

XSLT stylesheet

```
<record>
  <header>
    <datestamp type="modified">2013-12-17 10:55:19</datestamp>
    <identifier>urn:nbn:se:kb:vardagstryck-8420586</identifier>
    <destinations>
      <destination status="activated">
        <datestamp type="activated">2013-12-17 10:55:19</datestamp>
        <url>http://weburn.kb.se/metadata/586/vardagstryck_8420586.htm </url>
      </destination>
    </destinations>
  </header>
</record>
```

2) URN source file

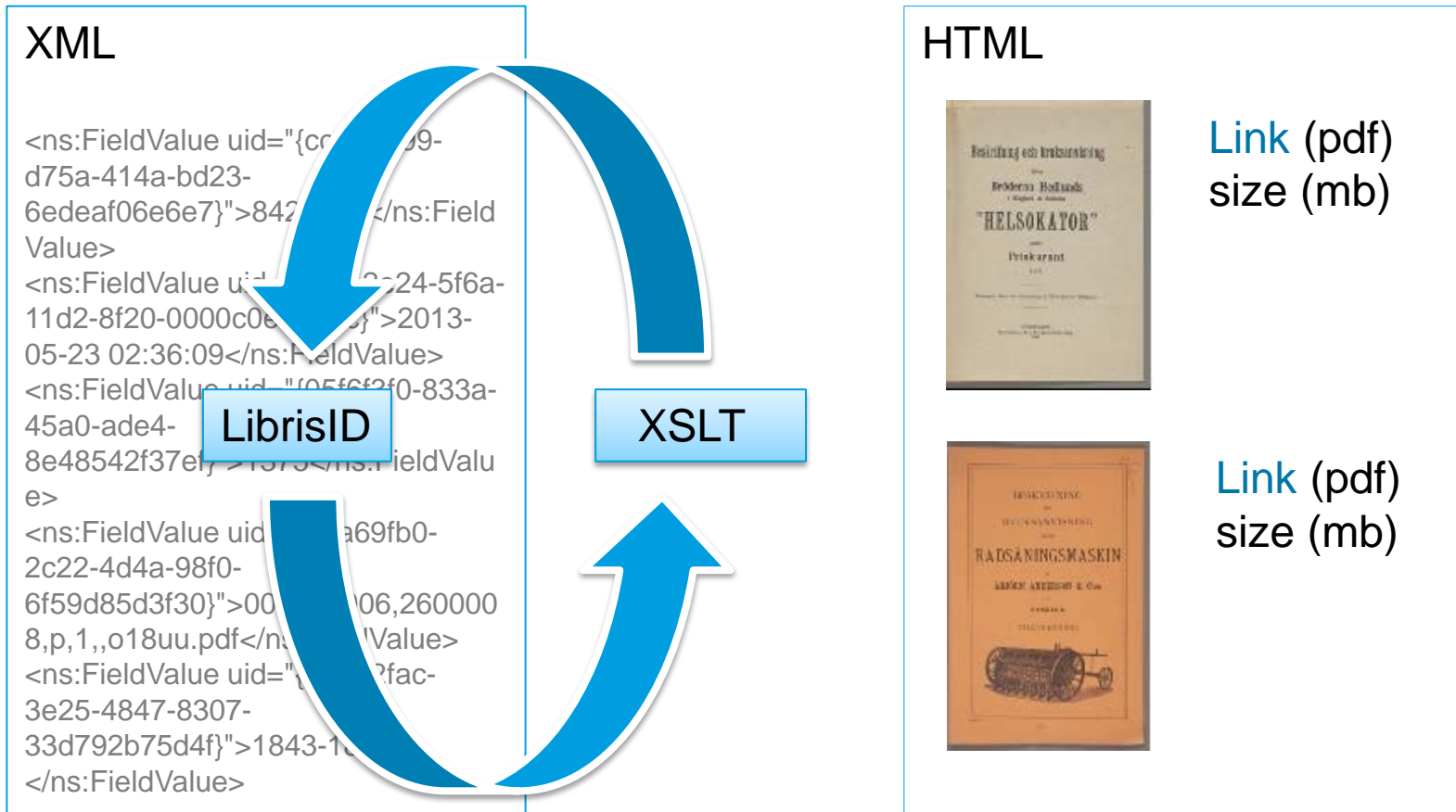
MARC

856 4 0 u <http://urn.kb.se/resolve?urn=urn:nbn:se:kb:vardagstryck-8420586>

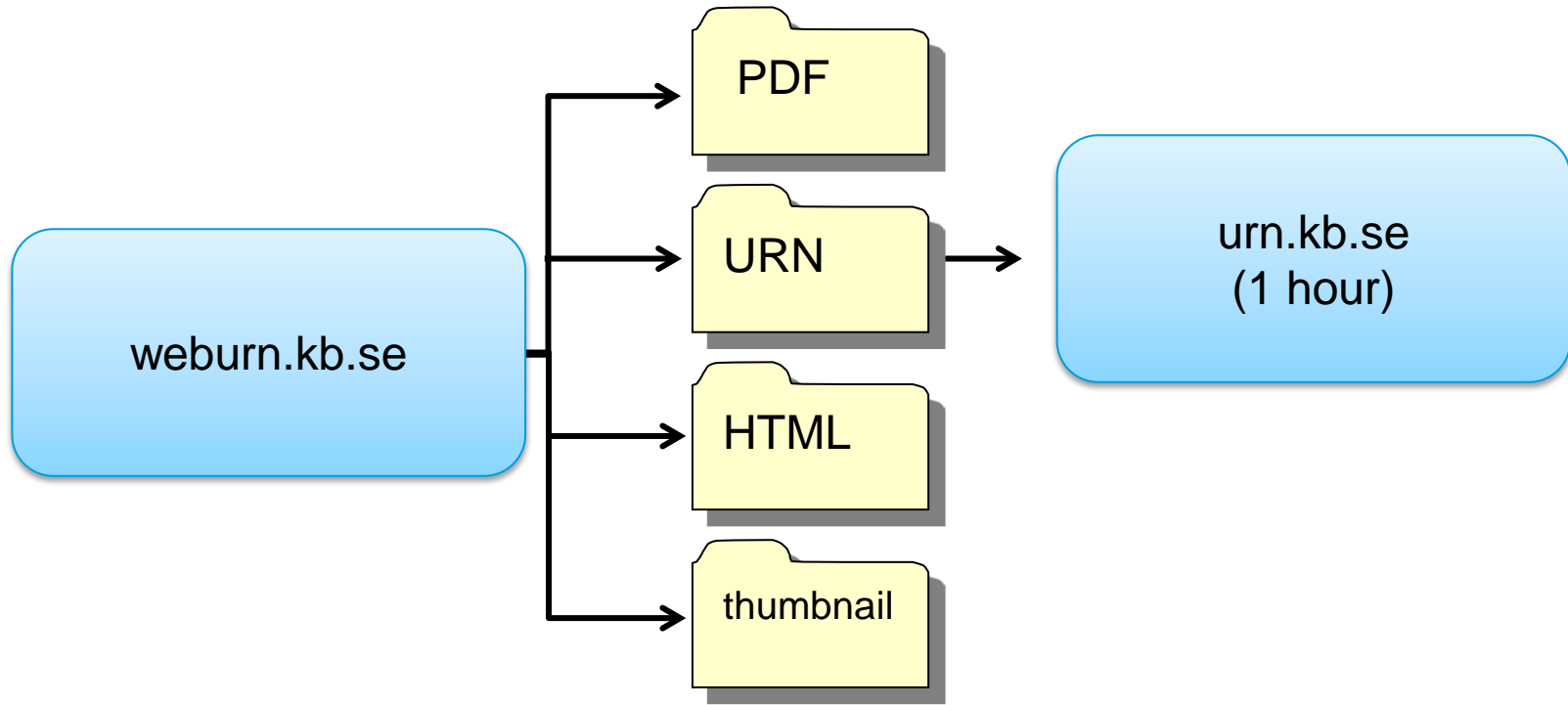
urn.kb.se

```
<record>
  <header>
    <datestamp type="modified"> 2013-12-17 10:55:19 </datestamp>
    <identifier>urn:nbn:se:kb:vardagstryck-8420586</identifier>
    <destinations>
      <destination status="activated">
        <datestamp type="activated"> 2013-12-17 10:55:19 </datestamp>
        <url>http://weburn.kb.se/metadata/586/vardagstryck\_8420586.htm </url>
      </destination>
    </destinations>
  </header>
</record>
```

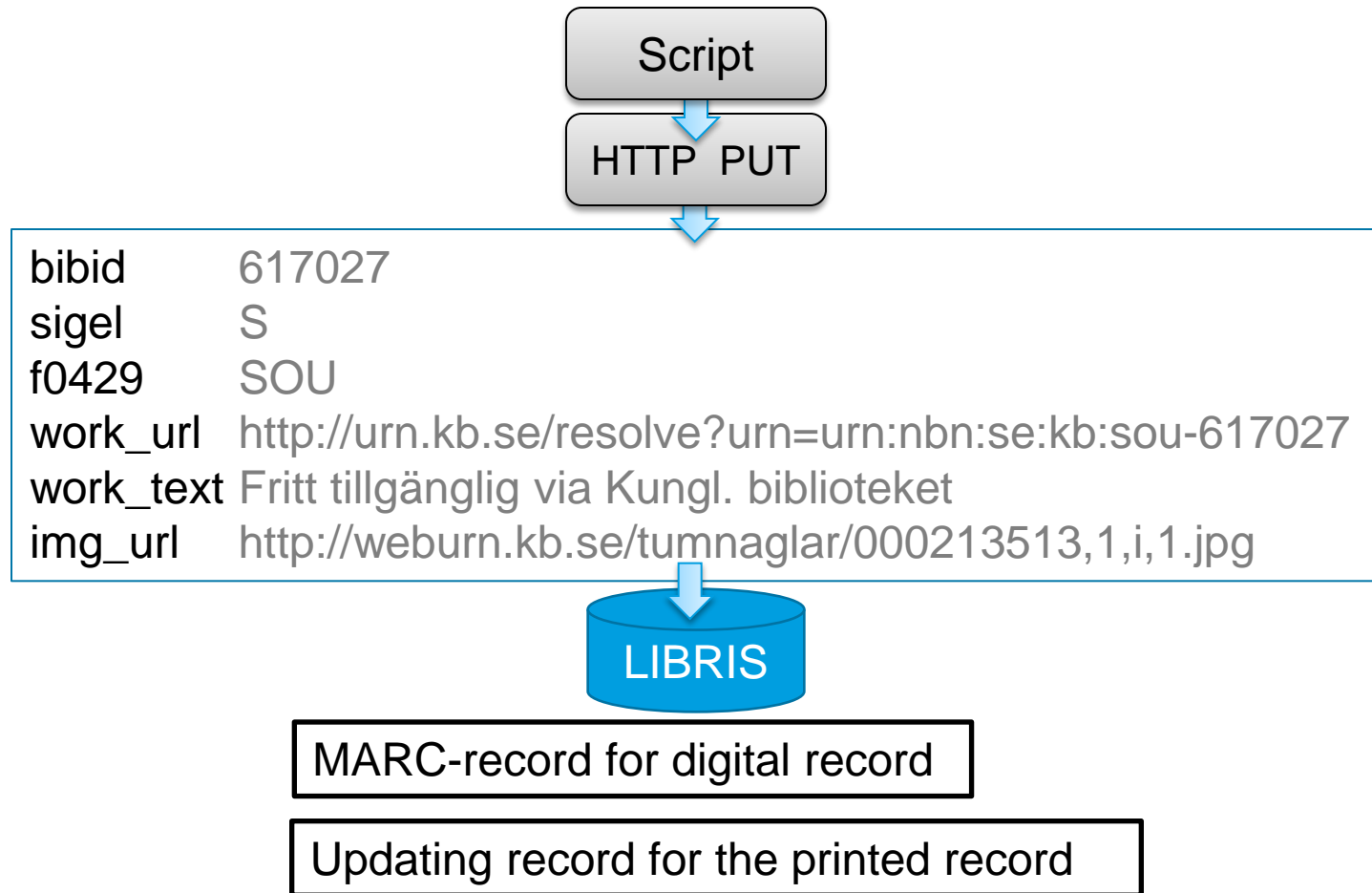
3) HTML landing pages



Move files



API



API

testfile.txt

```
001 040 042                856 #u                856 #z                856 #u
1215954 S   SOU http://urn.kb.se/resolve?urn=urn:nbn:se:kb:sou-1215954 Fritt tillgängligt via internet http://weburn.kb.se/tumnaglar/001337707,1,i,1.jpg
8231676 S   SOU http://urn.kb.se/resolve?urn=urn:nbn:se:kb:sou-8231676 Fritt tillgängligt via internet http://weburn.kb.se/tumnaglar/003169133,1,i,1.jpg
1483846 S   SOU http://urn.kb.se/resolve?urn=urn:nbn:se:kb:sou-1483846 Fritt tillgängligt via internet http://weburn.kb.se/tumnaglar/003031882,1,i,1.jpg
```

Send the file via cURL or a script eg. Python.

```
\Users\andblo\mystuff> python .\libris.py
```

```
B12319534      DIGI UPDATED
B12319538      DIGI CREATED
M31169859      MFHD CREATED
B8231676       PRINT UPDATED
B12319539      DIGI CREATED
M31169860      MFHD CREATED
B1483846       PRINT UPDATED
```

Links

- SOU

<http://regina.kb.se/sou>

- Affärstryck

file:///X:/Delade%20dokument/regina/586/vardagstryck_8420586.htm