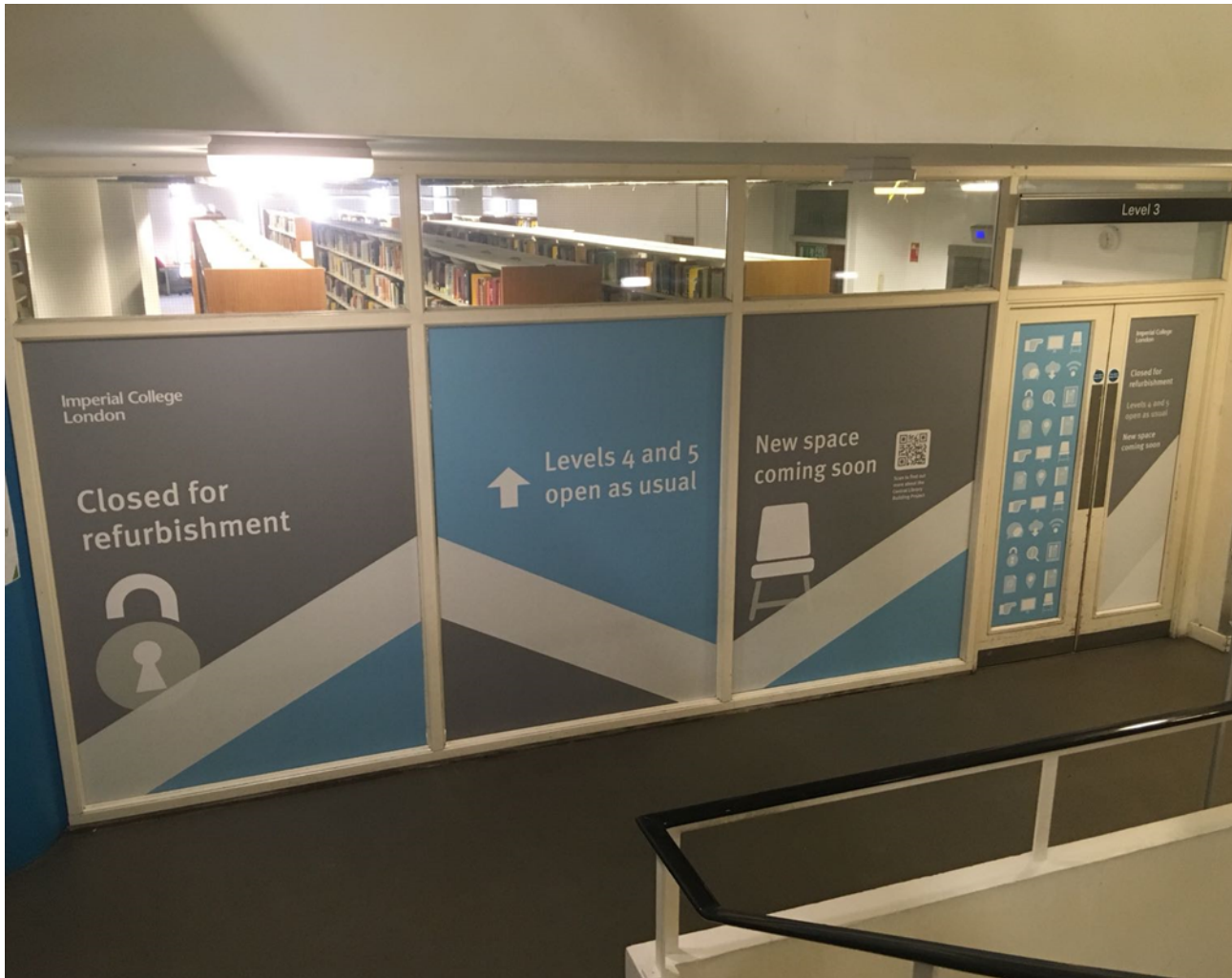


“It just needs to say unavailable?” From DAT to API

Andrew Butterworth (Systems Librarian at Imperial College London)

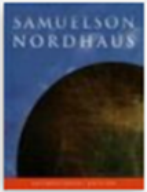
Background

- Over the last two years Imperial College London has gone through a major renovation of its central library.
<https://www.youtube.com/watch?v=sv4fEdw1eYU>
- Due to student feedback the library decided to add a new riser into the library to solve issues with air conditioning. This mention that over two summers Level 4 and 5 was renovated in 2017 then level 1, 2 and 3 were renovated in 2018.
- I was part of a space move group to help support any changes that would affect library system.
- We have only just updated to Primo New UI in Easter of 2018.



- One of the main issues with the move, was making library books unavailable but requestable in Primo. And added enough distinct labels to make sure student were aware of the temporary changes.
- I had to put a series of examples together to explain how Primo might look. Working with the space group of librarians with differing IT knowledge. So a decision could be made on the best option.

3,000 pairs of earplugs purchased



BOOK

Economics

Samuelson, Paul A.

Boston ; london : Irwin McGraw-Hill 1998 16th ed. ISBN 0071155422

Checked out from Central Library Level 1 Group Study Area (33 SAM)

TOP

SEND TO

GET IT

DETAILS

LINKS

VIRTUAL BROWSE

TAGS

Send to



READING LIST



EXPORT BIBTEX



EXPORT RIS



REFWORKS



ENDNOTE ONLINE



EASYBIB



CITATION



PERMALINK



PRINT

Get It

REQUEST OPTIONS: [Request](#)

Central Library Level 1 Group Study Area 33 SAM

[Hide Details](#)

(3 copies, 0 available, 3 requests)

1 - 3 of 3 Records


BARCODE	TYPE	POLICY	DESCRIPTION	STATUS
2406277422	Book	3 weeks		In processing (Moving material to another floor)
2406277413	Book	3 weeks		In processing (Moving material to another floor)
240471863X	Book	3 weeks		In processing (Moving material to another floor)

Work Order Work Around

- Items were put into sets in Alma and then had the work order requests removed. In order that they were checked out but could be loaned at the self services machines and requested. Do to the community zone download, these sets where made of 10,000 items.

“It just needs to say unavailable, Andrew!”

2



BOOK
Economics
Mankiw, N. Gregory. ; Taylor, Mark P., 1958-
Andover : Cengage Learning 2011 2nd ed. ISBN 9781844808700 ; ISBN 184480870X
Unavailable from Central Library Level 1 Group Study Area (330 MAN)

Primo – Changing the labels

<input checked="" type="checkbox"/>	default.delivery.code.check_holding_in_insti	Unavail able at {1}	en_US	6	<input type="checkbox"/>	19/09/18 By AndrewB_44IMP	Duplicate	Reset Delete
<input checked="" type="checkbox"/>	default.delivery.code.check_holding_in_libra	Verfügbarkeit prüfen in {1}	de_DE	15	<input type="checkbox"/>	01/08/18 By ExlibrisSupport	Duplicate	Reset Delete
<input checked="" type="checkbox"/>	default.delivery.code.check_holding_in_libra	Unavail able at {1}	en_US	15	<input type="checkbox"/>	19/09/18 By AndrewB_44IMP	Duplicate	Reset Delete

Alma – changing the work order



Issues with Items within work orders

- When items had been loaned and returned, they needed to go back into a the work order over that day.
- Requests where problematic, as when an item was available none of the records could be requested.
- Requests needed to be blocked for these items as staff couldn't always get to the books to find the items.
- The returning of items triggered hold shelf requests.

Returning 46,000 items in one day

We had read the process of returning items using the Scan it in API. Where you need direct access to the route of a server to run a BASH code to return items.

We tested for a few weeks and could not get this process to work.

We was left with the choose of asking Ex Libris to return the items using the bash code. Or finding a different solution.

I figured out a way of using an offline circulation dat file to return all the items. As this would mean this even if the item was return or loaned a few second later after the doors where open. This would not affect the status of the item.

Bash...

```
#!/bin/csh
set library = CENTRAL
set circ_desk = DEFAULT_CIRC_DESK

set prefix = 'https://api-eu.hosted.exlibrisgroup.com/'
set api_key_header = 'Authorization: apikey 17xx3eale6b9c02c415e9f27104038656af4'

foreach barc (`cat scan_in_barcode.txt`)
  echo __ processing barcode $barc __
  set item_by_barcode_url = $prefix'almaws/v1/items?item_barcode=$barc'
  echo __ Calling GET "$item_by_barcode_url" ...
  curl --dump-header /tmp/item.$barc.tmp "$item_by_barcode_url" -H "$api_key_header"
  set item_url = "`cat /tmp/item.$barc.tmp | grep Location | sed 's/.*almaws/almaws/' | sed 's/\r//g'`"
  set scan_in_url = $prefix"$item_url"&op=scan&library=$library&circ_desk=$circ_desk'
  echo __ Calling POST "$scan_in_url" ...
  curl -X POST "$scan_in_url" -H 'Content-Type: application/xml'
  echo
end
```


What is a Dat file?

Date: 20181015 Time: 1000 Loan (L) Return (R) Item Barcode User's Primary_Id

	Date	Time	Loan (L) Return (R)	Item Barcode	User's Primary_Id
1	20181015	1000	L	2400002786	libissue
2	20181015	1101	R	2400002786	
3	20181015	1000	L	2400033344	libissue
4	20181015	1101	R	2400033344	
5	20181015	1000	L	2400052530	libissue
6	20181015	1101	R	2400052530	
7	20181015	1000	L	2400055223	libissue
8	20181015	1101	R	2400055223	
9	20181015	1000	L	2400056256	libissue
10	20181015	1101	R	2400056256	
11	20181015	1000	L	2400106906	libissue
12	20181015	1101	R	2400106906	
13	20181015	1000	L	2400160685	libissue
14	20181015	1101	R	2400160685	

\\vicas1.cc.ic.ac.uk\abutterw\test separator.csv - Notepad++

File Edit Search View Encoding Language Settings Macro

Dat file Template.csv test separator.csv

1	240607336X, 240607336X
2	2406580971, 2406580971
3	2405228120, 2405228120
4	2405302923, 2405302923
5	2405259807, 2405259807
6	2405020422, 2405020422
7	2405542814, 2405542814
8	2406184385, 2406184385
9	2406007558, 2406007558
10	2406013849, 2406013849
11	2406288078, 2406288078
12	2405433596, 2405433596
13	2405419665, 2405419665
14	2406104761, 2406104761
15	2405876348, 2405876348
16	2406091372, 2406091372
17	2406278277, 2406278277
18	2406278268, 2406278268

	A	B	C	D
1	201810151000L	2400002786		libissue
2	201810151101R	2400002786		
3	201810151000L	2400033344	'	libissue
4	201810151101R	2400033344		
5	201810151000L	2400052530	'	libissue
6	201810151101R	2400052530		
7	201810151000L	2400055223	'	libissue
8	201810151101R	2400055223		
9	201810151000L	2400056256	'	libissue
10	201810151101R	2400056256		
11	201810151000L	2400106906	'	libissue
12	201810151101R	2400106906		
13	201810151000L	2400160685	'	libissue
14	201810151101R	2400160685		
15	201810151000L	2400265355	'	libissue
16	201810151101R	2400265355		
17	201810151000L	2400312357	'	libissue
18	201810151101R	2400312357		
19	201810151000L	2400337887	'	libissue
20	201810151101R	2400337887		
21	201810151000L	2400356133	'	libissue
22	201810151101R	2400356133		

Creating a Dat File

Triggered
Hold self
items and
reports

MMS ID	Requester	Call Number	Request Date	Material Type	MMS Id2	Title	Author	ISBN	Material Type3	Permanent Call Number	Publication Date	Edition
997712084401591	HERNANDEZ, S	500 OXF	06/10/2018	Book	997712084401591	The Oxford book of modern science writing /		9780199216819	Book	500 OXF	2009.	
996346384401591	GANGADIA, S	509.171 CAN	08/10/2018		996346384401591	Nature, empire, and nation : exploration s of the history of science in the Iberian world /	Cañizares-Esguerra, Jorge.	0804755434; 9780804755436; 0804755442; 9780804755443	Book	509.171 CAN	2006.	
9910021724401591	GANGADIA, S	509.809 BAR	08/10/2018		9910021724401591	Experiencia : the Spanish American empire and the early scientific revolution /	Barrera-Osorio, Antonio, 1964-	9780292725949	Book	509.809 BAR	2006.	
					9910409084401591	Mathematical methods for physicists : a	Arfken, George B. 1922- (George Brown),	9780123846549; 0123846544	Book	510 ARF	c2013.	7th ed. / George B. Arfken, Hans J. Weber,

Physical Item Details				Location	
Barcode	Num of Loans (In House + Not In House)	Last Loan Date		Library Name	Location Name

Filters

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the filter button after selecting its name in the catalog pane.

Num of Loans (In House + Not In House) is less than or equal to 1
 AND Library Name is equal to / is in Central Library
 AND Location Name is equal to / is in Level 1 Group Study Area; Level 2; Level 3
 AND Barcode is not equal to any Barcode in Case 674800_Report_1

Physical Item Details				Location	
Barcode	Num of Loans (In House + Not In House)	Last Loan Date		Library Name	Location Name

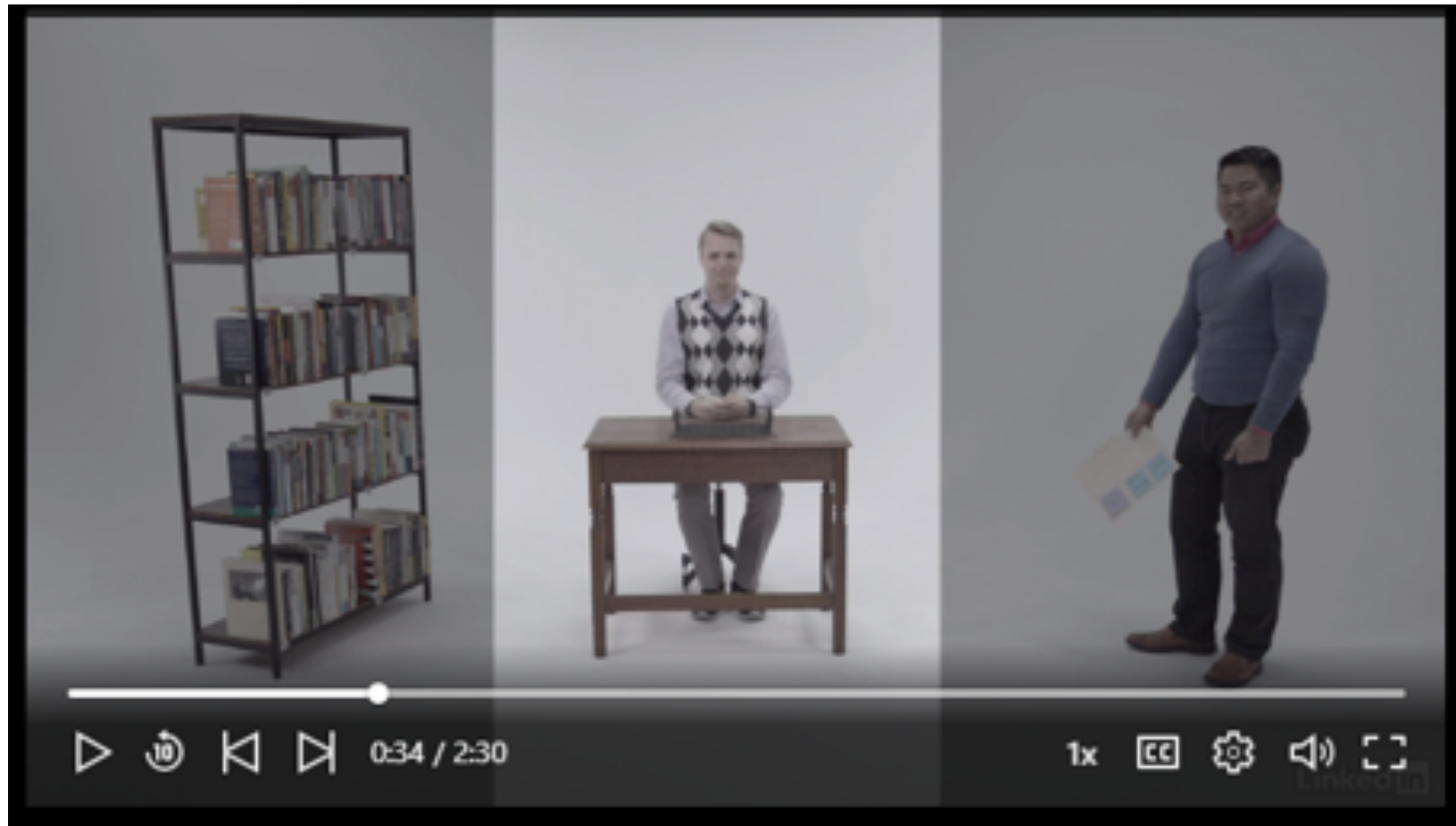
Filters

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the filter button after selecting its name in the catalog pane.

Num of Loans (In House + Not In House) is less than or equal to 1
 AND Library Name is equal to / is in Central Library
 AND Location Name is equal to / is in Level 1 Group Study Area; Level 2; Level 3
 AND Last Loan Date is not equal to / is not in 15/10/2018 10:00:00

Weeding Reports and high demand reports were affected

The RESTful librarian




```

//loop until the end of data series(cell contains empty string)
while($excel->getActiveSheet()->getCell('A'.$i)->getValue()!=""){
    //get cells value
    $MMS_ID = $excel->getActiveSheet()->getCell('A'.$i)->getValue();
    $Holdings_ID = $excel->getActiveSheet()->getCell('B'.$i)->getValue();
    $Item_ID = $excel->getActiveSheet()->getCell('C'.$i)->getValue();
    $i++;
    //echo

    $Library = $_POST["Library"];
    $CIRC_DESK = $_POST["CIRC_Desk"];

    $bibs = array ("https://api-eu.hosted.exlibrisgroup.com/almaws/v1/bibs/" . $MMS_ID . "/holdings/" .
    $Holdings_ID . "/items/" . $Item_ID . "?op=scan&external_id=false&library=$Library&circ_desk=$CIRC_DESK
    &done=false&auto_print_slip=false&place_on_hold_shelf=false&confirm=false&
    register_in_house_use=true&apikey=l8xxb0e8d30d9a2247ae9d64e700fb39e7e6");

```

Learning API's

Same code has many different uses.

Leganto add and
delete owners
after roll over
process.

Leganto
Permalinks in Excel

Level 2
before and
after



The image features a dark gray background with three overlapping circles in shades of blue. A horizontal white band runs across the middle of the image, containing the text "Any Questions?".

Any Questions?