## Sharing Breakthroughs 2017 OCLC RESOURCE SHARING

## Should it Stay or Should it Go?

**ILL Record Retention and User Privacy** 

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## **Privacy & Records Retention**

Why is it important to ensure the privacy of ILL request histories?





#### Why Keep ILL Records?

- Librarians can use data for statistical analysis/decisions/customer service
- Vendors want to provide users with customization and convenience
- Library users may want an easy way to see what they have requested

#### Why Delete/Delink ILL Request Histories?

- Patron Privacy
- Database Size

Sharing Breakthrough 2017 concessor

## Data privacy in our lives...and in the news



Privacy In Libraries In The Digital Age



Amendment and privacy interests in protecting library records from warrantless surveillance. From a Senate hearing transcript:

Sessions: "You tell me a principled reason why you could subpoena someone's medical records, their bank records, their telephone records, but not subpoena their library records. Is there one?"Director Mueller: 'I do not believe so...."Sessions: "Thank you. And I know that they are entitled to every kind of constitutional protection, a library is, that anyone else is. But I do not think a library deserves a special protection over any other business. A library does not have any sanctity. Why does a library have sanctify that your medical records do not have? They think it is sanctified, I will admit. I just disagree that it deserves special protection."[5] Senator Sessions opposed the USA Preedom Act, which ended the buk collection of phone records by the NSA under Section 215 and was supported by the intelligence community.

Coalition Raises Privacy Concerns on Sessions Nomination for Attorney General | Center for Democracy & Technology





#### St. Louis Public Libraries Victims of Ransomware

January 19, 2017 11:04 AM

Filed Under: HBI, ransomware, St. Louis Public Library, St. Louis Public Library System

ST. LOUIS (KMOX) – The St. Louis Public Library <u>System</u> is the victim of ransomware — a form of malicious software that infects <u>computers</u> if and asks for money.

It affects 700 public computers *w* in the 16 locations. Access to the computers has been frozen.

Jen Hatton with the library says all branches will remain open while they resolve the issue.

"Our website is not affected, fortunately," she says. "What it is really affecting is our staff computers and our 700 public computers throughout our branches," she says.

It also means no one can check out items out for now.

Hatton says no personal information of patrons or employees is stored on the servers in question. She adds that they have no intention of paying the ransom.

Their IT staff is working hard, police have been notified, as well as the FBI.

They're working to restore the system and get it back up and working.

## **ALA Library Bill of Rights**

#### Privacy

#### An Interpretation of the Library Bill of Rights

#### Introduction

Privacy is essential to the exercise of free speech, free thought, and free association. The courts have established a <u>First</u> <u>Amendment</u> right to receive information in a publicly funded library.<sup>1</sup> Further, the courts have upheld the right to privacy based on the Bill of Rights of the U.S. Constitution.<sup>2</sup> Many states provide guarantees of privacy in their constitutions and statute law.<sup>3</sup> Numerous decisions in case law have defined and extended rights to privacy.<sup>4</sup>

In a library (physical or virtual), the right to privacy is the right to open inquiry without having the subject of one's interest examined or scrutinized by others. Confidentiality exists when a library is in possession of personally identifiable information about users and keeps that information private on their behalf.<sup>5</sup> Confidentiality extends to "information sought or received and resources consulted, borrowed, acquired or transmitted" (*ALA Code of Ethics*), including, but not limited to: database search records, reference questions and interviews, circulation records, interlibrary loan records, information about materials downloaded or placed on "hold" or "reserve," and other personally identifiable information about uses of library materials, programs, facilities, or services.

Protecting user privacy and confidentiality has long been an integral part of the mission of libraries. The ALA has affirmed a right to privacy since 1939.<sup>®</sup> Existing ALA policies affirm that confidentiality is crucial to freedom of inquiry.<sup>7</sup> Rights to privacy and confidentiality also are implicit in the *Library Bill of Rights*' guarantee of free access to library resources for all users.<sup>®</sup>

#### Rights of Library Users

The *Library Bill of Rights* affirms the ethical imperative to provide unrestricted access to information and to guard against impediments to open inquiry. Article IV states: "Libraries should cooperate with all persons and groups concerned with resisting abridgement of free expression and free access to ideas." When users recognize or fear that their privacy or confidentiality is compromised, true freedom of inquiry no longer exists.

In all areas of librarianship, best practice leaves the user in control of as many choices as possible. These include decisions about the selection of, access to, and use of information. Lack of privacy and confidentiality has a chilling effect on users' choices. All users have a right to be free from any unreasonable intrusion into or surveillance of their lawful library use.

Users have the right to be informed what policies and procedures govern the amount and retention of personally identifiable information, why that information is necessary for the library, and what the user can do to maintain his or her privacy. Library users expect and in many places have a legal right to have their information protected and kept private and confidential by





American Library Association • February 10, 2017

#### New library privacy checklists[ala-publishing.informz.net]

The ALA Intellectual Freedom Committee approved seven new privacy checklists at the 2017 ALA Midwinter Meeting in Atlanta to help libraries of all types and capacities take practical steps to protect patron privacy. The checklists complement the Library Privacy Guidelines[ala-publishing.informz.net] approved by the IFC in 2016. The topics include checklists on ebook lending and digital content vendors.[ala-publishing.informz.net] library management systems.[ala-publishing.informz.net] public access computers.[ala-publishing.informz.net] and students in K[ala-publishing.informz.net]–12 schools.[ala-publishing.informz.net]...



Breakthroughs

Office for Intellectual Freedom, Feb. 7

Library Privacy Checklist - Overview

Library Privacy Checklist for Library Management Systems/Integrated Library Systems Sharing

# What happens to ILL user request histories now?

# OCLC privacy & retention (backups) WSILL Tipasa



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# Some libraries are very concerned about Patron privacy

- We have lost several ILLiad and WS ILL contracts to federal libraries due to privacy issues
- OCLC is working hard to gain FedRamp compliance
- Our non-US libraries are concerned about their patron's privacy held in the United States
- The Patriot Act of 2001 began OCLC's move to patron privacy



## Before there was an OCLC privacy policy

In the early 90's OCLC was contacted by the FBI

- A library had lent a book about a serial killer to another library
- The book came back and it contained several newspaper clippings about a serial killer on the loose in the city from the library that requested the book
- The lending library contacted the FBI
- The lender did not remember the transaction ID
- The FBI subpoenaed OCLC for the request data
- With some work we were able to locate the transaction
- We provided this data to the FBI



## Patron Privacy efforts at OCLC

- Started after 911 and the Patriot Act of 2001
- Many non-US libraries concerned about their patron data held in Dublin, Ohio
- Many US libraries also concerned about patron privacy
- OCLC Legal and OCLC Security began to audit our privacy policy
- There were no policies



## Patron privacy initiative started in early 2000 for WCRS/WS ILL

- Started with purging any patron data that could identify a patron
  - Patron ID
  - Patron Name
  - Patron Address
  - Patron phone
- These data fields were purged when the request went from active to closed
- Only Patron Department and Status remained



## Patron privacy initiative started in early 2000 for WCRS/WS ILL

- Next initiative was to purge these patron fields from the Archive (completed ILL transactions)
- Five years worth of data over 40 million transactions
- The purge took place over a weekend and took several hours to complete



## Patron privacy initiative started in early 2000 for WCRS/WS ILL

- We then moved to stop sending patron data to the lender
- Finally we removed the patron identifiable fields in OCLC Usage Stats



## **Patron privacy ILLiad**

- ILLiad maintains a local patron database
- The library determines if and how to deal with patron privacy
- Even OCLC hosted server libraries set their policy
- Only when ILL transactions are sent to OCLC is the patron data purged



## **Patron privacy Tipasa**

- Tipasa follows all patron privacy requirements that WS ILL follows
  - Completed requests
  - Stats
- Tipasa patron account however is not purged
  - Tipasa patrons will have access to their own requests regardless if they are active or closed
  - Five years or 500 requests whichever comes first



## **OCLC and Patron Privacy**

• OCLC continues to monitor and review security and privacy issues for the membership.



How can we delete/delink ILL user request histories in ILLiad?

Our experiences – OCLC hosted? Just ask! – ILLiad's Database Manager

## **Beth Posner & Christine Sisak**



## How to Start: OCLC and Delinking Records

#### The Graduate Center's Project Timeline

- •Library blog post: "Keep your ILL History Private", October 6, 2015
- •Alert on ILLiad login page: October 22, 2015
- •Mass email to ILLiad customers: November 17, 2015
- •Sent parameters and desired execution time to OCLC: December 8, 2015 (Keeping last three years)
- •Library blog post: "Save your History... by Dec 31, 2015", December 15, 2015
- •Confirmed with OCLC the SQL script was ready to go: December 16, 2015
- •Decoupling script executed: January 12, 2016
  - We did this again in January 2017 and by June 2017 we will be keeping one year of requests.



## **Communication is key!**

In order to keep ILL request information as private as possible, this January we will be "decoupling" ILL requests in our ILLiad database. This means that we will be separating information about request titles from information about who requested them. (This policy change is motivated by the idea that libraries should not keep more information about their users' requests than necessary.)

Previously, you could find a list of everything you ever requested through ILL by logging into your <u>ILL account</u> and clicking on View > All Requests (which includes items currently checked out) or View > Request History. While this can serve as a useful record, in the future, if you want to keep a copy of your request history, then please download your requests using the instructions below. We will continue to keep all requests from **2013** forward until further notice; eventually we will only keep a rolling history of one year or less, though, in order to help ensure that ILL requests remain confidential.

If you do want to save a list of all your ILL requests, though, just follow these simple steps...by December 31, 2015.

- 1. Login to your <u>GC ILL account</u>.
- 2. Click on View > Request History on the left, which will give you all your finished ILL requests. (OR click on "All Requests" which gives you current requests, as well.)
- 3. Highlight the fields from "Transaction Number" to "Status" and drag down to highlight your entire list
- 4. Right click to Copy
- 5. Open an Excel worksheet
- 6. Click on the first cell, then right click to Paste, choosing the second icon (Match Destination Formatting).
- 7. Adjust your column widths, save your file, and you're done!

And, if you have any questions, please contact us at ill@gc.cuny.edu

Thank you,

Beth Posner Head of Library Resource Sharing The Graduate Center, CUNY



## **Download and Storage of Targeted Records**

- 1. Run a Custom Query in ILLiad to gather all past transaction data.
- 2. Click Save

				Custom Search	Cu	
Home Borrow	ving Document Delivery	Lending	System	Search		
		S	earch Desc	ription		
Search Preview Clear	Save Load					
Parameters		Sear	ch			
Main Custom Request Search X						
And O [ [Transactions.CreationDate] Is less than 7/29/2013 😒						



## Script options and their implementation

#### De-linking



We create a dummy username, and give OCLC the parameters (status of transactions to be deleted, age of the request, etc).

OCLC runs the script in the database. They require about 2 weeks to: -construct the query; -test in backup database; -run in production database.

Service is not affected during this period.

#### Deleting Old Transactions...



We specify the age of the completed requests to be deleted.

The GC runs the *delete* function for Borrowing Requests in ILLiad Database Manager.

#### (+ Deleting Old Usernames)



As a further step, we can delete usernames that don't have a transaction associated with it in the Database Manager.

As we use LDAP authentication, we'd need a masterlist of LDAP usernames to run a matching query in the ILLiad database.

## Project implementation: Steps with OCLC

- Created dummy username and deletion parameters:
  - Status of transactions to be de-linked:
    - Request Finished
    - · OR, Cancelled by ILL Staff
  - AND, Creation date < January 1, 2013.</li>
- Sent the above to OCLC on Dec 8, 2015, along with desired 2-week span for project (January 4<sup>th</sup>-January 15<sup>th</sup>).
- OCLC had written, tested and submitted the SQL script by Dec 16;
- Scriptran on January 12, and it took a half hour (without us even noticing).

## **DYI - The Database Manager**



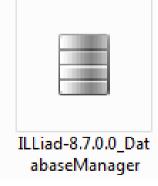
ILLiad-8.7.0.0\_Dat abaseManager If I go there will be trouble And if I stay it will be double





## What is the Database Manager?

- Delete Transactions
  - Imported OCLC data
  - Associated emails receipt notifications, overdues, fines, etc.
- Delete Patrons
- Block Patrons







## Where is it?



https://prometheus.atlas-sys.com/display/illiad/ILLiad+8.7+Downloads



## **Back-up your database!**

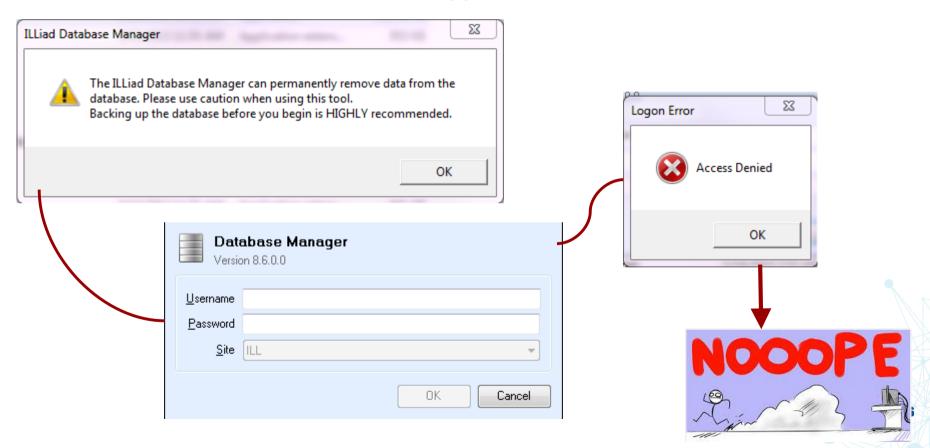


Hosted
 Self-Hosted

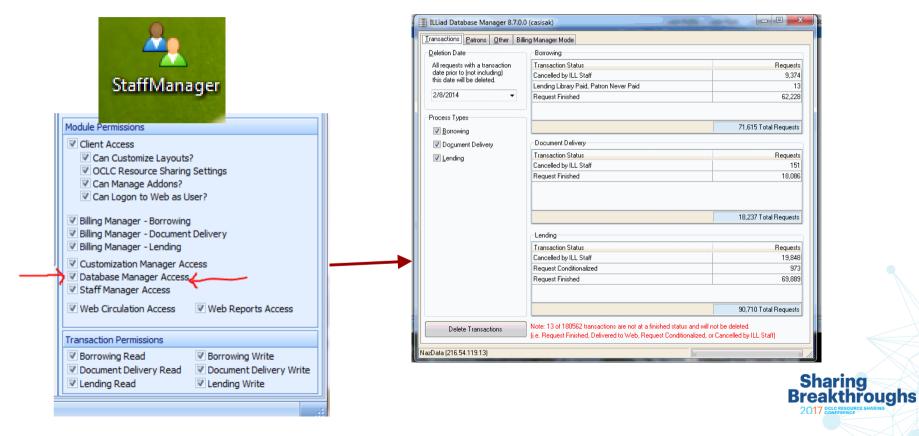
https://prometheus.atlas-sys.com/display/illiad/Scheduling+Regular+Backups+of+your+ILLiad+Database

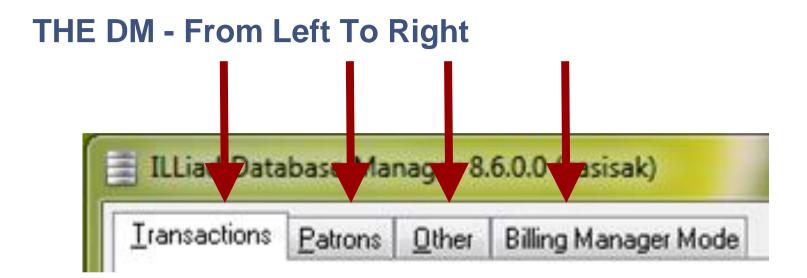


#### You clicked the icon and then this happened...



#### Access denied? No Problem! Staff Manager!







## **Transactions:**

#### Deleting from 20 Tables!

- Billing
- BillingDetails
- BorrowingInvoices
- BorrowingPayments
- BorrowingRequests
- Citation
- EMailCopies
- ESPUpdate
- History
- Invoices
- ISOBillingInfo
- ISOControl
- ISOExchange
- LendingInvoices
- LendingPayments
- Notes
- OriginalRequest
- Resubmission
- Tracking
- Transactions

ILLiad Database Manager 8.6	.0.0 (casisak)		
Iransactions Patrons Other	Billing Manager Mode		
Deletion Date	Borrowing		
All requests with a transaction	Transaction Status	Requests	
date prior to (not including) this date will be deleted.	Cancelled by ILL Staff	8,599	
this date will be deleted.	Lending Library Paid, Patron Never Paid	12	
7/6/2013 👻	Request Finished	57,159	
Process Types			
Borrowing		65,770 Total Requests	
Document Delivery	Document Delivery		
Lending	Transaction Status	Requests	
<u>containg</u>	Cancelled by ILL Staff	127	
	Request Finished	15,370	
		15,497 Total Requests	
	Transaction Status	Requests	
	Cancelled by ILL Staff	21.541	
	Request Conditionalized	1.188	
	Request Finished	80.662	
		103,391 Total Requests	
Delete Transactions	Note: 12 of 184658 transactions are not at a finished status (i.e. Request Finished, Delivered to Web, Request Conditio		
NazData (216.54.119.13)			
		Shar	ind

**Breakthroughs** 

	ILL;	📑 ILLiad Database Manager 8.6.0.0 (casisak)		
Transactions:	<u>I</u> rans	sactions <u>P</u> atrons <u>O</u> ther Billi	ng Manager Mode	
	<u> </u>	etion Date	Borrowing	
	All	requests with a transaction	Transaction Status	Requests
	dal	te prior to (not including) will be deleted.	Cancelled by ILL Staff	8,599
Borrowing			Lending Library Paid, Patron Never Paid	12
Transaction Status	Requests	3 –	Request Finished	57,159
Cancelled by ILL Staff	8,619			
Lending Library Paid, Patron Never Paid	12	ypes		65,770 Total Requests
Request Finished	57,273	ament Delivery	⊂Document Delivery	
			Transaction Status	Requests
		ling	Cancelled by ILL Staff	127
	65,904 Total Requests		Request Finished	15,370
				15,497 Total Requests
			Transaction Status	Requests
			Cancelled by ILL Staff Request Conditionalized	21,541
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				103,391 Total Requests
		Delete Transactions	Note: 12 of 184658 transactions are not at a finished statu: (i.e. Request Finished, Delivered to Web, Request Condition	
	NazDat	ta (216.54.119.13)		
				Sharing



## **Transactions:**

s:	ILLiad Database Manager 8.6.0	.0 (casisak) ling Manager Mode	
<b>V</b> I	 	Borrowing	
	All requests with a transaction	Transaction Status	Request
	date prior to (not including) this date will be deleted.	Cancelled by ILL Staff	8,599
		Lending Library Paid, Patron Never Paid	1:
	7/6/2013 👻	Request Finished	57,15
	Process Types		
	Borrowing		65,770 Total Requests
	Document Delivery	Document Delivery	
		Transaction Status	Request
	✓ Lending	Cancelled by ILL Staff	12
ransactions Patrons Other Billing		Request Finished	15,37
this date will be deleted. 7/12/2013  ✔		Lending Transaction Status Cancelled by ILL Staff Request Conditionalized Request Finished	Request 21,54 1,18 80.66
Process Types			
☑ Borrowing			103,391 Total Requests
Document Delivery	Delete Transactions	Note: 12 of 184658 transactions are not at a finished statu (i.e. Request Finished, Delivered to Web, Request Conditi	
🔽 Lending	NazData (216.54.119.13)		
V Lending	(10,04,110,10)		Sharing Breakthrou 2017 COLORED

## Example

ILLiad Database Manager 8.7.0.0	(casisak)	- <b>X</b>
Iransactions Patrons Other Billin	g Manager Mode	
Deletion Date	Borrowing	
All requests with a transaction date prior to (not including) this date will be deleted.	Transaction Status	Requests
12/31/2009 🗸	<no data="" display="" to=""></no>	
Process Types		
Borrowing		
Document Delivery	Document Delivery	Requests
	<no data="" display="" to=""></no>	
	Lending	
	Transaction Status	Requests
	Cancelled by ILL Staff	7,298
	Request Conditionalized	443
	Request Finished	28,488
		36,229 Total Requests
Delete Transactions		
NazData (216.54.119.13)		

Deletion Date	Borrowing	
All requests with a transaction date prior to (not including) this date will be deleted.	Transaction Status (No data to display)	Requests
Process Types		
Borrowing		
Document Delivery	Document Delivery	
✓ Lending	Transaction Status	Requests
	<no data="" display="" to=""></no>	
Confirm Deletion		
		Bequest
	imended that you backup your database before you	Requests 4,426
It is HIGHLY recom	imended that you backup your database before you	4,428
It is HIGHLY recombegin.	imended that you backup your database before you be removed.	4,428

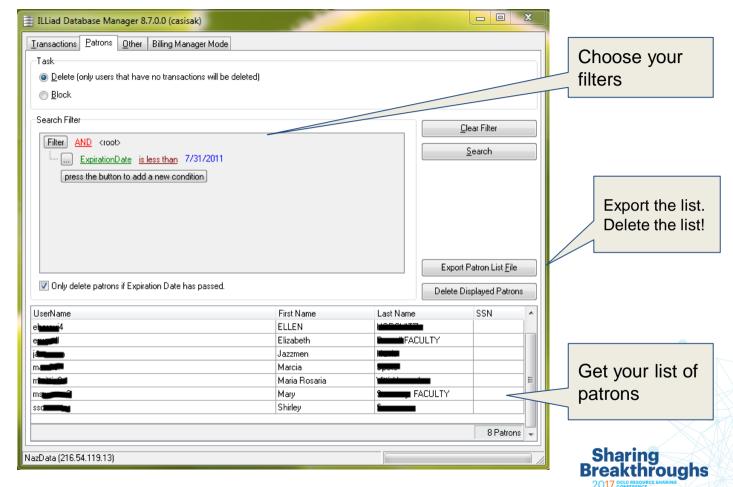


### **Patrons:**

#### Blocking Deleting

#### Deleting from Tables:

- Users(ALL)
- UserAccounts
- UserAccountsLink
- UserNotes



## **Other:**

Connector Sessions & Details Copyright Sessions Information Downloaded OCLC Borrowing Screen Downloaded OCLC Lending Screen E-Mail Copies Eventlog information Invoice Sessions/Invoice Details Print Sessions/Print Details Web Sessions Information

Iransactions         Patrons         Other         Billing Manager Mode           Deletion Date         All records prior to this date will be deleted.         Iteleted.	
4/27/2015     Delete Records       862368 records selected to delete	
Record Selections	
✓ Connector Sessions/Details (381316)	
Copyright Sessions (226)	
☑ Downloaded OCLC Borrowing Screen (51393)	
Downloaded OCLC Lending Screen (131360)	
☑ EMail Copies (151009)	
✓ Event Log (120676)	
Invoice Sessions/Details (0)	
✓ Print Sessions/Details (25673)	1
Web Sessions (715)	TON

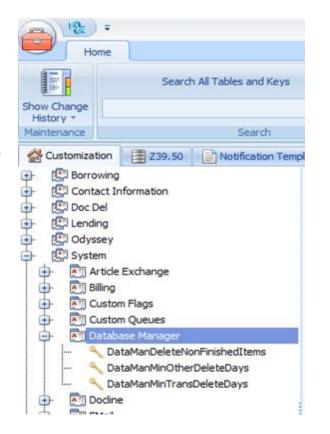
## **Billing Manager Mode**

ILLiad Database Manager 8	.6.0.0 (casisak)		
Iransactions     Patrons     Other       Test Mode     Reset Test Mode will remove a       Reset Test Mode     Reset Test Mode	Billing Manager Mode	anager will remain in TEST mode.	
Go Live Invoice Start Number 7	Borrowing Invoice Start Date 8/19/2015	Doc Del Invoice Start Date 8/19/2015	Lending Invoice Start Date • 5/11/2005
Clicking the Go Live button wil Go Live	I set the Billing Manager to LIVE mo	ode.	
NazData (216.54.119.13)			



## **Customization Keys Affecting the Database Manager**

- 1. DataManDeleteNonFinishedItems
- 2. DataManMinOtherDeleteDays
- 3. DataManMinTransDeleteDays



Sharing Breakthroughs

## **Questions?**





## Sharing Breakthroughs 2017 OCLC RESOURCE SHARING

# thank you

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