Release Notes LibLime LibLime Koha 4.18

Features ........................................................................................................................................ 4
Update frameworks for RDA compliance .......................................................................................4
Provide full compliance with GAAP; add new features for partial payment and accruing fine calculation ..........................................................................................................................4
  Define Account Types for Fines and Fees ....................................................................................5
    Invoice account types ..................................................................................................................5
    Fee account types ......................................................................................................................5
    Payment account types ..............................................................................................................6
  Time stamps in database .............................................................................................................6
  Lost Status .....................................................................................................................................6
    Item(s) marked lost – is returned: Offer choices for charging fines ........................................6
Fines ........................................................................................................................................ 7
  Accruing fines for overdue items .................................................................................................7
  Calculation of fines on the fly when item is returned ....................................................................8
  Choose to charge fines when overdue item is renewed ...............................................................8
  Selectively pay or waive fines (full or partial) ...........................................................................8
  Calculating total fines/fees: option to include accruing amounts in total .....................................11
Fees ..............................................................................................................................................11
  Expired Holds fee at checkin ......................................................................................................11
  Billing notice/debt collect fixes and enhancements ....................................................................11
Display of Status Information at Item Detail Display .................................................................. 12
  Enhance item status functionality related to when item withdrawn and when item checked-in ....12
Merging Authority Records ......................................................................................................... 13
Enhancements ............................................................................................................................. 15
  Add subfield v to 800, 810, 811 displays in staff and OPAC ..........................................................15
  Add subfield g to OPAC 773 display in OPAC ...........................................................................15
  Adds the remaining Talking Tech notice type options ...............................................................15
  Enhance SIP2 to pass across a CK code to Bibliotheca's Media Locker to support the unlocking of AV item cases ..................................................................................................................16
    Bibliotheca Enumerated media type labels .............................................................................16
  Enhance the SIP2 configuration to prevent the use of a self-check machine if the patron's account is set to expire within 30 days or less .................................................................................17
  Enhance SIP2 configuration to prepending a "T1-" to the SMS number ........................................17
  Enhance SIP2 for integration with Envisionware- so patrons can make payments on their outstanding balances ........................................................................................................................17
Expand debt collection so that the billing notice flag will "unflag" once the patron's balance goes below 50.00.

Change Advance Notices and Item Due Notices to use branch email as the “from” address.

When holds expired, do NOT send a canceled hold notice to patrons.

Expand series title searches (490 searches) to ensure title searching.

Adjust XSLT to so that searches of the 490 (generated when hypertext link for 490 within bib detail is selected) conducts a title search and not a keyword search for words in the title.

For example, this bib detail page shows a series title – (drawn from a 490) and now upon clicking on that title “Pampered pets mystery series #4” the search will be a phrase search for those words (it is placed in “ “).

Note that a 490 field it not under authority control; it has no $0 – a corresponding 830$0 is required for authority control.

Add “lost” notice generated when an item’s status is changed to “lost”.

Improve workflow when adding a total to the Defaults for this Library - Total Current Checkouts Allowed in the circ rules.

Expand permissions for staff collecting fines from patrons.

Allow for local control over the columns displayed in the “edit items” table display.

On patron’s check out (detail) page – display totals for “checked out”; “fines and charges”; and “on hold”.

Expand functionality for “add a new patron” by adding a right-side scroll bar to the display of patron categories to facilitate faster navigation through the list.

**Bug Fixes**

Fix - change a patron’s category and then blank out the expiration date so it auto-calculates you always get the date 00/02/0.

Fix - report of patron search results not sorting alphabetically.

Fix - HOLD_EXPIRED notices not using branchcode email.

Fix - Rejecting a suggestion notifies all patrons who have had rejected suggestions.

Fix – Bug with overriding holds when “System Preference AllowHoldPolicyOverride” is on.

Fix – Bug with periodical subscription list includes all branches, not just those in group.

Fix – Bug where O was not being set for subscription items values.

**Appendix 1: Further details on Fines and Fees Update delivered in LK 4.18**

Why the change to Fines and fees structure in LibLime Koha 4.18.
Table Structure and Reports in LibLime Koha 4.18 .........................................................24
  Columns and the links each table in LibLime Koha 4.18 related to fines and fees........25
    fees........................................................................................................................................25
    payments..............................................................................................................................25
    fee_transactions..................................................................................................................25
    fees_accruing.......................................................................................................................26

Sample SQL scripts ..................................................................................................................26
  SQL to get borrower credits not linked to a fee ;.................................................................26
  SQL to get borrower total that does not include accruing fines ........................................26
  SQL for borrower total amount including accruing fines....................................................27
  SQL to get total accruing fines for borrowers .................................................................27

Receipt Templates ...................................................................................................................27
  Any codes referencing the accountlines table will need to be changed. .............................27
  Sample template: .................................................................................................................28

Testing Scenarios for LibLime Koha 4.18 related to fines and fees ........................................29
  Expired Holds Fee .................................................................................................................29
  Apply Partial Payment/Waived Fine to a Particular Entry ..................................................29
  Checkboxes for Multiple Entry Actions .............................................................................29

Appendix B: Solr to MARC Mapping in LibLime Koha 4.18 .................................................30

Appendix C: System Preference Changes in LibLime Koha 4.18 ...........................................33

New System Preferences ........................................................................................................33

Modified System Preferences ..............................................................................................33

Retired System Preferences ................................................................................................33
Features

Update frameworks for RDA compliance
Sponsors: Salina Public Library

All existing frameworks have been updated with the RDA fields and subfields. Note that this includes any frameworks which sites may have created as well as the fast add framework – the update loops through all frameworks. Sites can edit frameworks and set the “hidden” field in each subfield to -6 to hide fields in the catalog editor if desired.

Note that while RDA fields are indexed for general keyword searching, they have not yet been added to any specialized indexes, or to the staff or OPAC title display.

Provide full compliance with GAAP; add new features for partial payment and accruing fine calculation
Sponsors various aspects: Pioneer and SCLS

The old flat LibLime Koha accountlines structure did not enforce any accounting rules. There was no requirement that credits and debits should equal zero if the account had a zero balance (leading to inconsistencies with amount due). The structure also did not keep a tight link between payments/waivers/etc. and the entry being paid/waived. There were also cases where fine entries were duplicated or unlinked from their charges, account numbers were duplicated, and payments were made which had no link to a fine entry.

The new fines structure deals with these problems by enforcing accounting rules and requiring strict data links between charges and payments. It is also possible now to do partial payments and waive charges against specific entries, and to select multiple entries for action (such as paying several fines at once). The conversion to the new data structure tries to clean up old entries, and also creates charges for older lost items which were inappropriately given a zero dollar replacement cost. This may mean a difference in historical amount owed for some patrons.

As with any migration, there are cases where the legacy fines data is incomplete. This causes the sum of debits and credits posted to not equal the reported amount due. When that occurs, the fines module adds a system transaction to balance the account so that the total due does not change.
Another new feature is the ability to set a fee for a triggered hold that expires without being picked up; the amount is set in the circulation rule and charged when the expireholds cron job runs. See below for specific enhancements and the Appendix for details on some changes and fixes, including test scenarios, writing reports on fines data and changes to receipt templates.

**Define Account Types for Fines and Fees**
Account types can be added, modified and deleted. Account types are used to establish and manage fees for transactions, purchases (a copy card, for example) or fees assessed. Account types include invoice account types, fee account types, and payment account types.

**Invoice account types**
These account types can be modified and added to as needed.

**Fee account types**
This version of LibLime Koha introduces the following fee account types which cannot be modified. These values are recorded in the fee_transactions table accounttype field, and can be queried for reports.

<table>
<thead>
<tr>
<th>Account Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RENEWCARD</td>
<td>Renew Patron Account</td>
</tr>
<tr>
<td>CANCEL CREDIT</td>
<td>Credit Canceled</td>
</tr>
<tr>
<td>REFUND</td>
<td>Refund</td>
</tr>
<tr>
<td>FINE</td>
<td>Overdue Fine</td>
</tr>
<tr>
<td>EXPIRED_HOLD</td>
<td>Expired Hold fee</td>
</tr>
<tr>
<td>LOST ITEM</td>
<td>Lost Item</td>
</tr>
<tr>
<td>NEWCARD</td>
<td>New Card Issued</td>
</tr>
<tr>
<td>SYSTEM DEBIT</td>
<td>System-mediated debit</td>
</tr>
<tr>
<td>RESERVE</td>
<td>Hold Placed</td>
</tr>
<tr>
<td>COLLECTIONS</td>
<td>Collections Agency Fee</td>
</tr>
<tr>
<td>RENTAL</td>
<td>Checkout fee</td>
</tr>
<tr>
<td>REVERSED_PAYMENT</td>
<td>Reversed Payment</td>
</tr>
</tbody>
</table>
Payment account types
These cannot be modified.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAYMENT</td>
<td>Payment</td>
</tr>
<tr>
<td>CREDIT</td>
<td>Credit</td>
</tr>
</tbody>
</table>

Time stamps in database
With this upgrade, data at the item level is changed and as a result the dates / timestamps within both the item and the deleteditems tables will show the date of the upgrade. This date reflects each time the item is changed. If a site relies upon a report using these fields - it is recommended the report be run the day before the upgrade and then the day after the upgrade.

Lost Status
This upgrade removes "lost" as an authorized value. Lost statuses are now managed separately. Please note: “Damaged” remains as an authorized value.

There are now four lost status settings:
- **LongOverdue** Item is checked out to patron, long overdue.
- **Lost** Item was lost by a patron and charged to that patron. Check lost_items table for details. (will include lost+charged, lost+paid, claims returned)
- **Trace** Item is missing and library is trying to locate it.
- **Missing** Item is missing and assumed lost.

Sites with “Lost” statuses other than the ones listed above will need to configure and begin using those statuses as either “Damaged” or “Other Item Status.” The existing statuses and corresponding items assigned to them will be moved during the upgrade to LibLime Koha 4.18. For example, a site with a Lost status of “AV Repair and Mending” should set up this new status in “Damaged” or “Other Item Status” as desired. The upgrade will migrate all relevant item data appropriately.

When an item is marked lost by a staff member, or via the long overdue script, fines and fees are removed and the replacement fee from the item's replacement cost or default setting is used in its place.

**Item(s) marked lost – is returned: Offer choices for charging fines**
Sponsor: Pioneer, SCLS, LibLime
53079971/ 27657455
Expand functionality of the ApplyFineWhenLostItemChargeRefunded syspref so it now offers three options for when an item, **marked lost** (either manually by a staff or automatically by being long overdue) is returned. When the item is returned, the “lost item charge” is refunded. From that point, sites have three choices for how to handle overdue fines: no overdue fines can be charged, overdue fines can be calculated based on the date the item was lost; and overdue fines can be calculated based on when the item was marked NOT lost / or the date the item was found.

- (blank) -- no overdue fines are charged.
- DateLost -- calculate fine based on when the item was marked lost
- DateFound -- calculate fine based on when the item was marked NOT lost.

These options apply to claims-returned as well as properly returned items. These options will not adjust previously charged fines; this system preference only affects current overdue fines (i.e. estimated fines). It won't go through and remove any fines previously assessed.

**Fines**

**Accruing fines for overdue items**

A running estimate of accruing fines is now visible to staff on the patron’s circulation page, and to the patron via their account page. This running estimate is generated using a repurposed fines.pl script and runs on a nightly basis, yielding a similar estimate as the existing LibLime Koha fines handling system.
While an item is still checked out, it shows as an "estimated fee" on the Accounts tab. You can make an unallocated payment against the patron record, which will be applied to fines when the items are checked in (or marked lost and removed from patron's account). Estimated fees may not be waived. Remember that fine on an item cannot be paid until the item is checked in.

**Calculation of fines on the fly when item is returned**

Fines related to overdue items are calculated on the fly when an item is returned.

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>Description of charges</th>
<th>Library</th>
<th>Fee type</th>
<th>Original amnt</th>
<th>Outstanding</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Pay]</td>
<td>08/25/2008</td>
<td>Damaged Rainforest Jungle chd no disc, pocket ; Comment 2009-09-30, Automatic Bill Sent 2009-05-02, Waiver of Fine 2009-15-04-13-95, Fine Payment 2011-02-04-0-9, paid at no. 3 01/22/2013, paid at no. 4 08/24/2013, paid at no 8 09/6/2013</td>
<td>Overdue Fine</td>
<td>$19.95</td>
<td>$0.45</td>
<td></td>
</tr>
<tr>
<td>[Waive]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[Pay]</td>
<td>08/27/2008</td>
<td>Bride wars, Fine : Checkout date 2009-08-26 ; Due date 2009-09-28 ; Checkout date 2009-08-28 ; Checkin Location 2009-08-28 Entergy Branch Library ; Automatic Bill Sent 2009-09-02</td>
<td>Overdue Fine</td>
<td>$0.35</td>
<td>$0.35</td>
<td></td>
</tr>
<tr>
<td>[Waive]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10/09/2013</td>
<td>Accrual overdue charge for Snow White and the seven dwarfs, (due 09/16/2013)</td>
<td>EIS</td>
<td>Estimated fee</td>
<td>$8.05</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10/09/2013</td>
<td>Accrual overdue charge for Barbie Mariposa &amp; the Fairy Princess, (due 09/16/2013)</td>
<td>EIS</td>
<td>Estimated fee</td>
<td>$8.05</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10/09/2013</td>
<td>Accrual overdue charge for Pink boots and ponytails / (due 09/16/2013)</td>
<td>EIS</td>
<td>Estimated fee</td>
<td>$8.05</td>
<td></td>
</tr>
</tbody>
</table>

**Choose to charge fines when overdue item is renewed**

A new system preference, ChargeOverdueFineOnRenewal, allows sites to decide whether or not to charge patrons for existing fines when an overdue item is renewed. If the syspref is off, accruing fines are removed when an overdue item is renewed (previous behavior). If the syspref is on, the currently-accrued amount is charged as a fine immediately upon renewal. The fine is payable at that point.

**Selectively pay or waive fines (full or partial)**

Sponsor: Pioneer Library Consortium
27657685/ 30164887 / 30164857/ 30165067

Pioneer sponsored new development to allow partial paying and waiving of fines, and to add checkboxes to take action on more than one entry at a time. For individual entries, click the Pay or Waive box next to the entry. For Waive, you can choose to write off, or forgive.
For the Pay option, you can pay the full amount or a partial amount of the selected fine(s). For the Waive option, you can waive the total amount of the selected fine(s).

There are now checkboxes on each line of the current Accounts tab entries.

- When choosing to Pay All or Waive All the total immediately presented does NOT include accruing fines (fines on items that are checked out and overdue). Staff can opt to include those fines if they desire – by clicking the “include accruing” box and then clicking “Calculate total due” to get a new total amount.

- If staff choose to select a few items to pay or waive, notice that when one or more entries are selected, the buttons at the bottom of the screen change from Pay All or Waive All to read Pay Selected or Waive Selected.

- If you click Waive Selected, you can choose to either Waive or Forgive. Enter a description for either action and click Submit. Check the Account History tab to see your action.

- When waiving a fine, you can only waive the total for that fine.

- If you click Pay Selected, you’ll see a Manual Credit screen with the various charges, and the one(s) you selected highlighted. You must add a description. You can then opt to pay less than the full amount for the selected item. Enter the amount you want to pay then click the Add Credit button. The total is adjusted.
Check the Account History tab to see your action; the payment is a line entry, and the amounts are credited against the individual entries:

### Fees & payments

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Fee type</th>
<th>Amount</th>
<th>Payment</th>
<th>Outstanding</th>
</tr>
</thead>
<tbody>
<tr>
<td>03/14/2013</td>
<td>Pay batch</td>
<td>Payment</td>
<td>$25.07</td>
<td>Reverse</td>
<td></td>
</tr>
<tr>
<td>03/14/2013</td>
<td>Payment</td>
<td>Payment</td>
<td>$3.00</td>
<td>Reverse</td>
<td></td>
</tr>
<tr>
<td>06/16/2009</td>
<td>Lost Jimmy's boa bounces back / Checkout</td>
<td>Overdue</td>
<td>$15.30</td>
<td>$10.00 Payment (3/14/2013) $5.30 Writeoff (3/14/2013)</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td>date 2009-12-15, Due date 2009-07-22, Automatic Bill Sent 2009-06-19</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>03/23/2009</td>
<td>Damaged 'Go-By Words' (2373) ltd. to Bookmobile 3/23/09 w/ crew chewed arm, Comment 2009-03-24, Automatic Bill Sent 2009-08-19, Comment 2009-09-25</td>
<td>Overdue</td>
<td>$13.12</td>
<td>$13.12 Payment (3/14/2013) $0.00 Writeoff (3/31/2013) $0.00 Writeoff (3/31/2013)</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>03/23/2009</td>
<td>Damaged 'Freddie Visits the Dentist' (6609) ltd. to Bookmobile 3/23/09 w/ crew chewed arm, Comment 2009-03-24, Automatic Bill Sent 2009-08-19, Comment 2009-09-25</td>
<td>Overdue</td>
<td>$4.95</td>
<td>$4.95 Payment (3/14/2013) $3.00 Payment (3/31/2013) $0.00 Writeoff (3/31/2013) $0.00 Writeoff (3/31/2013)</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note the icon at the end of each fine entry; clicking the icon will reveal all credits against that fine. For example, the item below “Wrath of the Titans” had a fine of $1.05 on it –

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Type</th>
<th>Amount</th>
<th>Overdue</th>
<th>$1.05 Payment (09/05/2013)</th>
<th>$0.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>09/05/2013</td>
<td>Wrath of the Titans / due on 09/03/2013, returned 09/06/2013, paid at no 6 09/06/2013</td>
<td></td>
<td>$1.05</td>
<td>$1.05</td>
<td>$1.05 Payment (09/05/2013)</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Clicking on the icon reveals details on the payment
Calculating total fines/fees: option to include accruing amounts in total
Sponsor: LibLime
70787702; 70787786

If desired, total owed can include fines accruing or these fines can be excluded. A syspref, ExcludeAccruingInTotal, was created to allow for an alternative calculation of the amount a patron owes when compared to the holds block, circ block, and billing notice thresholds. If the ExcludeAccruingInTotal syspref is turned ON, then this calculation removes the accruing fees from the total due calculation.

Fees

Expired Holds fee at checkin
Sponsor: Pioneer Library Consortium
30164821

If desired, sites can now charge a fee for expired holds (holds that were triggered but never picked up). Create a fee in the Expired Hold Fee column of your circ rule. If the patron does not pick up the item within the time span set in the ReservesMaxPickUpDelay syspref, the expireholds cron job marks that hold as expired and automatically charges the fee you set in your circ rule.

<table>
<thead>
<tr>
<th>Patron Category</th>
<th>Item Type</th>
<th>Fee Amount</th>
<th>Fine Grace Period</th>
<th>Fine Charging Interval</th>
<th>Current Checkouts Allowed</th>
<th>Loan Period</th>
<th>Max Accruable Fine Per Issue</th>
<th>Max Number of Holds</th>
<th>Expired Hold Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident</td>
<td>AV Equipment</td>
<td>1.00</td>
<td>1 day(s)</td>
<td>1</td>
<td>1 day(s)</td>
<td>$7.50</td>
<td>$0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resident</td>
<td>Adult Book Club Bags</td>
<td>1.00</td>
<td>1 day(s)</td>
<td>150</td>
<td>50 day(s)</td>
<td>$7.50</td>
<td>25</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>Resident</td>
<td>Audio Books</td>
<td>0.35</td>
<td>1 day(s)</td>
<td>25</td>
<td>21 day(s)</td>
<td>$7.50</td>
<td>25</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>Resident</td>
<td>Books to Go</td>
<td>0.35</td>
<td>1 day(s)</td>
<td>150</td>
<td>21 day(s)</td>
<td>$7.50</td>
<td>$0.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Billing notice/debt collect fixes and enhancements

The billing notice script had a date parameter to exclude old charges from the calculation, which has been adjusted. The old script asked 'What is the total amount owed if you only look at fines assessed in the last X days?' The new script asks 'What is the total owed for those patrons that don't have any NEW fines that are younger than X days old?' This will sync better with the date parameter on the debt collect script.

There are also fixes to the debt collect script for earlier problems with lost charges, payments, and refunds not being sent to Unique Management. A complete data resync with Unique Management is advised after this upgrade and the initial debt collect script run.
Presently, accruing fines (overdue items still checked out) are included in the amount calculated for the billing notice and debt collect script runs. The threshold amount needed to trigger a billing notice has been moved from the syspref OwedNotificationValue to entries on each circ rule, so sites can set different thresholds for different rules if desired. All the rules were initially populated with the single value from the old syspref.

Display of Status Information at Item Detail Display
Sponsor: SCLS
27657763

- When item details are displayed (ie: moredetail.pl) “Checkout Status” field relabeled “Circ. Status.” The same Item Status(es) that is displayed in the “Status” column of the “Normal” tab is now displayed on the Item Details Page.
- Checkout information is displayed on the Item Details page using only the patron’s name.
- The default Status on the Item Details page is “Available,” just as it is in the “Normal” tab.
- Items that do not have a status applied to them (such as Lost, Damaged, In Transit) and that are not checked out, display as “Available.”

Enhance item status functionality related to when item withdrawn and when item checked-in
Sponsor: Pioneer
58708964

Adds further nuance to other item statuses by establishing at the item status level, if an item can be placed on hold; suppressed; if the “other item status” can be cleared upon checkin, check out, or when the item is withdrawn. Each item’s status must be set up to perform as desired; that setup is done in Administration/ Item Status. The set up grid is displayed below; each status can be edited by clicking “edit” to the far right hand side of the grid.

- Using the “community” batch editor still in LibLime Koha, it is possible to withdraw an item checked out – regardless of the settings established here. If a site is doing a batch withdrawal of materials – it is advised to NOT use the community batch editor. The batch
editor can be changed using the syspref: **BatchItemEditor:Choose the preferred bulk item editor.** And choosing PTFS.

**Merging Authority Records**
Sponsor: LibLime
57969724

This newly developed merge authorities feature allows staff with the permission to work on authorities to be able to search the authority database for authority records and select one authority record to remain while then deleting the other authority records selected. All of the authorized fields on the linked bibs of the dying authority records are automatically linked to the surviving authority record, and the $0 subfields has its RCN updated.

Steps to use this feature:

Search for authorities

Select two headings to be merged and click “add selected to cart”

Select heading to keep by clicking radio button to the left of the heading and choose “Merge Authorities”
Upon returning to search results page – the heading replaced will continue to display – refreshing the page creates a more accurate search results display (ie the heading not chosen to remain now shows with no bibs attached.)

A refresh of this page – (ie. clicking the arrow button provided by your browser)

The heading with no bibs linked to it can be deleted, if site chooses, by clicking the “delete” option.
Enhancements

Add subfield v to 800, 810, 811 displays in staff and OPAC.
Sponsor: SCLS
59321384
Display volume/ sequential designation for Series Added Entry (Personal Name, Corporate Name, and Meeting Name) headings in OPAC and staff side bibliographic detail page.

Add subfield g to OPAC 773 display in OPAC
Sponsor: Mt Vernon
73965144/47083
Display relationship subfield ($g) in OPAC for Host Item Entry MARC field 773.
http://www.loc.gov/marc/bibliographic/bd773.html

Adds the remaining Talking Tech notice type options
Sponsor: LibLime
66465058 / 67497254
This patch refactors this code and utilizes a syspref to define the available notice type options and adds Talking Tech item due functionality to the advance_notices.pl script. Since Talking Tech does not currently implement an "item due" notice type, this patch makes use of their CUSTOM notice type in collaboration with the vendor. In addition, preoverdue and overdue email notices will no longer be generated if there is an SMS number associated with the patron account and Talking Tech is enabled.Sys Pref called "TalkingTechNoticeTypes"; options provided include:

- CUSTOM;
- FINES;
- OVERDUE;
- PREOVERDUE;
- PRERESERVE;
- RECALL;
- RESERVE;
- RESERVE CANCEL;
- RESERVE EXPIRE;
- SUSPEND
The data in this syspref is used to populate the options available when creating a notice for Talking Tech. This field is only able to be filled if the TalkingTechEnabled syspref is ON; and it appears when you create a new notice, save it, and then open notice again for editing.

Enhance SIP2 to pass across a CK code to Bibliotheca's Media Locker to support the unlocking of AV item cases
Sponsor: SCLS
63897440/39662
LibLime Koha is now configured to pass data and information to Bibliotheca’s Media Locker. To set this up, information is entered in the SIPMediaTypeMapping system preference. The item types in LibLime Koha are mapped to the Bibliotheca Enumerated media type labels (provided below). Entries are separated by a pipe |

Item types are found [http://***-staff.kohalibrary.com/cgi-bin/koha/admin/itemtypes.pl](http://***-staff.kohalibrary.com/cgi-bin/koha/admin/itemtypes.pl)
Enhance the SIP2 configuration to prevent the use of a self-check machine if the patron's account is set to expire within 30 days or less.
Sponsor: Salina, KS
55919622
Enhance SIP2 to prevent the use of SCs by expiring patrons. This patch will deny a patron's ability to use a self-check machine when their account is going to expire in a specific number of days. This number is configurable via the SIPExppiryPeriod system preference. In addition, the message that is sent to the SC screen can be configured via the SIP_EXPIRY_ALERT notice.

Enhance SIP2 configuration to prepending a "T1-" to the SMS number
Sponsor: Salina, KS
58982294
Additional configuration for SMS notification. This patch alters the outgoing SMS phone number for a specific third party vendor by prepending a "T1-" to the SMS number. Assumes that SMS is activated by supplying some text to the SMSSendDriver system preference.

Enhance SIP2 for integration with Envisionware- so patrons can make payments on their outstanding balances
Sponsor: South Central Library System
60764316
This enhancement utilizes the SIP2 protocol to provide the ability for patrons to make payments on their outstanding balances. Specifically it was structured to work with Envisionware's e-commerce software solution. The primary need is to configure the EWSipUser system preference with a specific Koha SIP user. This account must also be entered into the SIPconfig.xml file. The reason for this is to provide the necessary output specifications for the EnvisionWare software.
Sites interested in this feature should enter a request via Support Center for further details.

Related to this feature is an additional system preference, called “SIPResponseDelimiter”. As deployed in Koha originally, SIP2 response line delimiter was hardcoded to use CRLF (\r\n). SIP specification explicitly states to use CR (\r). This syspref SIPResponseDelimiter allows sites to use the Koha original approach or conform with SIP2 protocol – third party vendors will be able to tell sites which delimiter to use.

**Expand debt collect so that the billing notice flag will "unflag" once the patron's balance goes below 50.00**
Sponsor: SCLS
59271592 / 27842883

Expand Debt Collection functionality so that the billing notice flag will "unflag" once the patron's balance goes below 50.00. Then, if the patron goes back over the 50.00 balance, he/she would get another billing notice and the grace period would start again after that billing notice flag activation.

Billing flags can now be cleared by staff members with override_max_fine permissions via the patron details page. For sites running debt collect, billing notice flags also automatically clear when the total owed drops below the notice threshold. The place to clear a flag is on the patron details page, just atop the table listing items patron has out –

**Change Advance Notices and Item Due Notices to use branch email as the “from”address**
Sponsor: Pioneer
39138291

If there is an email address in the library policy, that will be used as the “from” address on Advance Notices and Item Due Notices. For multi-library systems and consortia, this means that patrons will see the message as coming from their home library. If there is no email address in
the library policy, the system will use the address in the KohaAdminEmailAddress system preference as the “from” address.

**When holds expired, do NOT send a canceled hold notice to patrons**
LibLime
39541823
Previously the system was sending the Hold Canceled notice in this situation. Now it will use the Hold Expired notice.

**Expand series title searches (490 searches) to ensure title searching**
Derby
67656510/ 44289
Adjust XSLT to so that searches of the 490 (generated when hypertext link for 490 within bib detail is selected) conducts a title search and not a keyword search for words in the title

For example, this bib detail page shows a series title – (drawn from a 490) and now upon clicking on that title “Pampered pets mystery series #4” the search will be a phrase search for those words (it is placed in “ “)

**Yip/tuck #4.**
by Abbey, Sparkle.
Series: Pampered pets mystery series – #4
Description: pages, 20 cm.
ISBN: 9781410467930 (hardcover); 1410467930 (hardcover).
Other Title: Yip/tuck.
Related Subjects: Pet ownership; pet owners fiction.
Library Stacks: 1 library have stocks.
Library Branch: Cape Perpetual.
Library Status: Available.

Note that a 490 field it not under authority control; it has no $0 – a corresponding 830$0 is required for authority control
Add “lost” notice generated when an item’s status is changed to “lost”  
Sponsor: Salina KS  
50070693  
Add a new check in notices so that when an item goes to lost a customer is NOT notified of a checkin but is instead notified that an item is now "lost". Notice is called “Item Lost”. Patron’s can choose to receive this notice via the patron messaging preferences.

<table>
<thead>
<tr>
<th></th>
<th>Days in advance</th>
<th>Email</th>
<th>Digests only?</th>
<th>Do not notify</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item Checkout</td>
<td>-</td>
<td>[X]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Item DUE</td>
<td>-</td>
<td>[X]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Hold Cancelled</td>
<td>-</td>
<td>[X]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Hold Filled</td>
<td>-</td>
<td>[X]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Item Lost</td>
<td>-</td>
<td>[X]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Hold Expired</td>
<td>-</td>
<td>[X]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Item Check-in</td>
<td>-</td>
<td>[X]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Advance Notice</td>
<td>2</td>
<td>[X]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

Improve workflow when adding a total to the Defaults for this Library - Total Current Checkouts Allowed in the circ rules  
Sponsor: LibLime  
31400651  
Defaults for this Library SQL statement were expecting an extra parameter to be pushed in certain cases. This patch fixes the behavior of the system-wide default Total Current Checkouts Allowed quantity and reinstates the default system-wide hold policy. Previously, the hold policy had been effectively shut down and the system-wide Total Current Checkouts quantity was being updated but placed in the Patron Category table at the bottom of the smart-rules page instead.

Expand permissions for staff collecting fines from patrons  
Sponsor: Pioneer  
19901297  
Prior to this release, staff who needed to collect money needed the “highest level” permission in the update charges permission. With this release, staff can now have specific permissions within the update charges and are not required to have the top level permission.
Allow for local control over the columns displayed in the “edit items” table display
Sponsor: Pioneer
58708832
This preference allows users to specify the order of subfields appearing in the Add/Edit Items screen (the additem.pl? page) tabular display. Some libraries may have workflows that are aided by being able to quickly locate values in certain item subfields. Default for the syspref is blank, which means Koha still displays subfields in alphanumeric order. A good starting value might be: "p,o,t,a,b,c,8,y,d,v,g,e,7,1,0,4,i" (barcode, callnum, copy num, locations, etc...)

On patron’s check out (detail) page – display totals for “checked out”; “fines and charges”; and “on hold”.
Sponsor: Pioneer
58707948

Expand functionality for “add a new patron” by adding a right-side scroll bar to the display of patron categories to facilitate faster navigation through the list
Sponsor: Pioneer
58706448
"Under Patrons, Create New Patron, the widget for the pick list of patron categories has been replaced by a traditional pulldown menu. For sites with large numbers of patron categories, the old widget was extremely slow and cumbersome." This expansion also uses the Patron Category groups to group patrons categories by Group.

Sites who do not want to use this group need to update their intranetuserjs settings with this code

```javascript
var cats = $('select.categorycode').eq(0).find('option').clone();
cats.splice(0,1);
cats.sort(function(a,b){ return a.innerHTML.toLowerCase() > b.innerHTML.toLowerCase() ? 1 : -1 ; });
$('select.categorycode optgroup').remove();
cats.appendTo('select.categorycode');
```

For example:
4.16 display for add a patron

4.18 display for add a patron (lacking the code in the intranetuserjs sys pref)
Bug Fixes

Fix - change a patron's category and then blank out the expiration date so it auto-calculates you always get the date 00/02/0.
Sponsor: CLIC
51479217

Fix - report of patron search results not sorting alphabetically
Sponsor: Galen College of Nursing, Salina KS, SCLS
53890731/ SC 38170, SC 38443, SC 38843

Fix - HOLD_EXPIRED notices not using branchcode email
Sponsor: Pioneer
58233384/ SC 39899

Fix - Rejecting a suggestion notifies all patrons who have had rejected suggestions
Sponsor: Salina, KS
56391398

Fix – Bug with overriding holds when “System Preference AllowHoldPolicyOverride” is on
Sponsor: SCLS
31145889/ 26484
Allow overrides on holds in staff client. If at least one item is overridable, the submit button will work. However, if policy is set at item or itemtype level such that no items can be overridden, the button is still disabled.

Fix- Bug with periodical subscription list includes all branches, not just those in group
Sponsor: SCLS
54100237/38309

Fix – Bug where O was not being set for subscription items values; with following symptoms: (1) The subscription default "Use restrictions" not being saved / (2) Defaults in periodicals subscription record not passing to item/ (3) When a subscription record is edited in Koha, the "Do not suppress" selection in field i is flipped to "Suppress"
Sponsor: Pioneer, SCLS
37543291/ 14061
Appendix 1: Further details on Fines and Fees Update delivered in LK 4.18

Why the change to Fines and fees structure in LibLime Koha 4.18

Several problems with native LibLime Koha’s fine calculation and storage are resolved in this release.

- Prior to 4.18 LibLime Koha’s fines.pl script was set to run nightly and increment a patron’s accounts table entries with the then-current calculation of fines for that patron. This behavior meant that the fine was not calculated on the fly when the patron returned the item, but was set to the previous evening’s calculation. This behavior introduced inaccuracies in fines management if the cron job was not running and prevented hourly loan transactions from calculating fines properly. LibLime Koha’s table structure stored all financial accounts data in an accounts table, entries in the accounts table can be edited, and are updated, leaving no audit trail for transactions that have occurred.

- As dictated by generally accepted accounting principles, a transactions table should not allow deletion of transactions; account balances are changed by adding new transactions. These transaction types will facilitate proper handling of various transactions and the display of balance and transaction detail information on the various patron and item pages, as well as reports such as the overdue reports.

In many respects the user will not see much visible change with the new fines structure. The screen display is slightly different, and the patron’s Fines tab is broken into Account (for current charges) and Account History (for completed transactions). Staff will see accruing/estimated fines on overdue items as a separate column on the Account tab. There are also display changes made by the new features. Sites using the Receipt Templates feature for payment receipts will need to modify the codes in the receipt template. Sites running debt collect will see some fixes and adjustments. The biggest difference for library staff users will be in running reports.

Table Structure and Reports in LibLime LibLime Koha 4.18

The new fines structure means more complexity in running SQL reports. In the new fines structure there are four tables: fees, payments, fee_transactions, and fees_accruing (rather than the old single accountlines table). Reports will need to link between tables to pull out desired information.

The fees and payments tables contain the top level information (like borrower number, itemnumber, payment type, description, etc.).

The fee_transactions table contains the details associated with the top level, like fines, payments, credits, etc.
The `fees_accruing` table contains the fines that are associated with items currently checked out and overdue.

Columns and the links each table in LibLime LibLime Koha 4.18 related to fines and fees

**fees**

   `id` - unique key for this table  
   `borrowernumber` - key to the `borrowers` table  
   `itemnumber` - key to the `items` table  
   `description` - contains information like fines, lostitems, account management fees etc.  
   - link to the items table  
      fees.itemnumber link items.itemnumber  
   - link to the borrowers table  
      fees.borrowers link borrowers.borrowersnumber  
   - links to the fee_transactions  
      fees.id  link fee_transactions.fee_id

**payments**

   `id` - unique key to this table  
   `borrowernumber` - key to the `borrowers` table  
   `branchcode` - key to the `branches` table,  
   `description` mediumtext,  
   `payment_type` key to the `accounttypes` table  
   `date` - current timestamp  
   `received_by` - staff borrower number link to the table  
   - contains - payment and credit information `borrowers`  
   - link to the borrowers table  
      payment.borrowers link borrowers.borrowersnumber  
   - link to the branches table  
      payment.branchcode link branches.branchcode  
   - link to the accounttypes table  
      payment.payment_type = accounttypes.accounttype  
   - links to the fee_transactions table for the details.  
      payments.id = fee_transactions.payment_id

**fee_transactions**
'transaction_id' - unique key for this table
  'fee_id' - key to the fees table,
  'payment_id' - key to the payments table,
  'notes' mediumtext,
  'amount'
  'accounttype' key to the accounttypes table
  'operator_id' staff borrower number links to the borrower table.
  'branchcode' - key to the branches table,
  'timestamp' - current timestamp
- contains detail information related to a transaction. ie, fine, payments, credits, waives. etc
- this table is linked to the fees and the payments table
- link to the accounttypes table
  payment.payment_type = accounttypes.accounttype
- links to the payment.
fee_transactions.payment_id link payments.id
- links to the fees table.
fee_transactions.fee_id link fees.id

fees_accruing

  'issue_id' - key to the issue table column id
  'timestamp'
- contains all accrued fines (these are fines of items still checked out)
- this table is cleared everytime the fines.pl job is run.
- link to the issue table
  fees_accruing.issue_id link issues.id

Sample SQL scripts

SQL to get borrower credits not linked to a fee:
select payments.borrowernumber,surname,firstname,amount from borrowers,payments,
fee_transactions where borrowers.borrowernumber=payments.borrowernumber and
payments.id=fee_transactions.payment_id and fee_id is null group by payments.borrowernumber

SQL to get borrower total that does not include accruing fines.
select borrowernumber,cardnumber,surname,firstname,sum(amount) from ( select
fees.borrowernumber, amount, cardnumber, surname, firstname from fees left join
fee_transactions on (fees.id = fee_id) join borrowers on (fees.borrowernumber =
borrowers.borrowernumber) UNION ALL select payments.borrowernumber, amount, cardnumber, surname, firstname from payments left join fee_transactions on (payments.id = payment_id) join borrowers on (payments.borrowernumber = borrowers.borrowernumber) where fee_id is null) as all_transactions group by borrowernumber

**SQL for borrower total amount including accruing fines.**

```sql
select borrowernumber, cardnumber, surname, firstname, sum(amount) from
( select fees.borrowernumber, amount, cardnumber, surname, firstname from fees
left join fee_transactions on (fees.id = fee_id) join borrowers on (fees.borrowernumber = borrowers.borrowernumber) UNION ALL select payments.borrowernumber, amount, cardnumber, surname, firstname from payments left join fee_transactions on (payments.id = payment_id) join borrowers on (payments.borrowernumber = borrowers.borrowernumber) where fee_id is null UNION ALL select issues.borrowernumber, amount, cardnumber, surname, firstname from fees_accruing left join issues on (fees_accruing.issue_id = issues.id) join borrowers on (issues.borrowernumber = borrowers.borrowernumber) ) as all_transactions group by borrowernumber
```

**SQL to get total accruing fines for borrowers.**

```sql
select issues.borrowernumber, cardnumber, surname, firstname, sum(amount) from fees_accruing left join issues on (fees_accruing.issue_id = issues.id) join borrowers on (issues.borrowernumber = borrowers.borrowernumber) group by issues.borrowernumber
```

**Receipt Templates**

If you are presently using the Receipt Templates feature, and have a template for a payments slip, you will need to modify the codes in the template.

The earlier code used syntax like this:

```html
<<BeginFinesPaidTodayList>>
Amount: <<accountlines.amount>>
<<accountlines.description>>
<<accountlines.timestamp>>
<<EndFinesPaidTodayList>>
```

Any codes referencing the accountlines table will need to be changed.

Fields available for use are:

```html
<<fees-payments.amount>>
```
Outside of the loop:
<<TotalOwed>>

Sample template:

Payment receipt for:<br>
<<borrowers.firstname>> <<borrowers.surname>><br>
<br>
<<BeginTodaysPaymentsList>>
Amount: <<fees-payments.amount>><br>
<<fees-payments.description>><br>
<<fees-payments.date>><br>
<br>
<<EndTodaysPaymentsList>>
<br>
<br>
Recent fines & charges:<br>
Date — Description — amount — outstanding<br>
<<BeginRecentFinesList>>
<<fees-payments.date>> — <<fees-payments.description>> —
<<fees-payments.amount>> — <<fees-payments.amountoutstanding>><br>
<<EndRecentFinesList>>
<br>
Total amount owed: <<TotalOwed>>
Testing Scenarios for LibLime LibLime Koha 4.18 related to fines and fees

Expired Holds Fee
Create a fee in the Expired Hold Fee column of your circ rule. Place a hold that qualifies for that rule (patron category/item type). Trigger that hold, and wait for it to expire. When the expireholds cronjob runs, and marks that hold as expired, the patron record will automatically be charged the fee you set in your circ rule.

Apply Partial Payment/Waived Fine to a Particular Entry –
There are now Pay and Writeoff buttons against each fine entry. Use those buttons to pay or waive all or part of the amount due. Check the Account and Account History tab to be sure those actions were properly recorded.

Checkboxes for Multiple Entry Actions –
There are now checkboxes on each line of the current Accounts tab entries. When one or more entries are selected, the buttons at the bottom of the screen change from Pay All or Waive All to read Pay Selected or Waive Selected. If you click Waive Selected, you can chose to either Waive or Forgive. Enter a description for either action, then click Submit. Check the Account History tab to see your action. If you click Pay Selected, you’ll see a Manual Credit screen with the various charges, and the one(s) you selected highlighted. You must add a description. Then click the Add Credit button. Check the Account History tab to see your action.
Appendix B: Solr to MARC Mapping in LibLime LibLime Koha 4.18

<table>
<thead>
<tr>
<th>id</th>
<th>record</th>
<th>emit_id</th>
</tr>
</thead>
<tbody>
<tr>
<td>rtype</td>
<td>record</td>
<td>emit_bib_rtype</td>
</tr>
<tr>
<td>biblionumber</td>
<td>999c</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>text</th>
<th>record</th>
<th>fullmarc</th>
</tr>
</thead>
<tbody>
<tr>
<td>text</td>
<td>001[0-15]</td>
<td></td>
</tr>
<tr>
<td>f001_lc</td>
<td>001[0-15]</td>
<td></td>
</tr>
</tbody>
</table>

| author-display | 100a | |
| author-full | 100abcd 110ab 111ab 700abcd 700q 710ab 711ab 800a 810a 811a 505r | concat |
| author-sort | 100a 110a 111a | | first |

| title-nostem | 245ab | concat | first |
| title-short | 245a | | first |
| title-sort | 245 | title_sort |
| title-full | 245 | cat_alpha_subfields | first |
| title-alt | 130 246 730 740 | cat_alpha_subfields |
| series-title | 490a 440at 800at 810at 811at 830at | concat | first |
| uniform-title | 240 | cat_alpha_subfields | first |

| subject-exact | 600at 610at 650a 651a 652a 653a 654a 655a 656a 657a 690a | concat |
| subject | 600 610 611 630 650 651 655 69. | cat_alpha_subfields |
| topic | 650a |
| geo | 651a |
| era | 648a |
| genre | 655a |

| publisher | 260b |
| publoc | 260a |

# Which date ?
| pubyear | 008[7-10] 260c | clean_year | first |

<p>| url | 856u |</p>
<table>
<thead>
<tr>
<th>Field</th>
<th>Record Tag</th>
<th>Emitted Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>31</td>
<td>emit_format</td>
</tr>
<tr>
<td>Content</td>
<td>31</td>
<td>emit_content</td>
</tr>
<tr>
<td>Audience</td>
<td>31</td>
<td>emit_audience</td>
</tr>
<tr>
<td>Language</td>
<td>008[35-37]</td>
<td>map_language</td>
</tr>
<tr>
<td>Item Type</td>
<td>952y</td>
<td>unique</td>
</tr>
<tr>
<td>Collection</td>
<td>9528</td>
<td>unique</td>
</tr>
<tr>
<td>Location</td>
<td>952c</td>
<td>unique</td>
</tr>
<tr>
<td>Barcode</td>
<td>952p</td>
<td></td>
</tr>
<tr>
<td>ISBN</td>
<td>020a 020z 776z</td>
<td>emit_isbn</td>
</tr>
<tr>
<td>ISBN-a</td>
<td>020a</td>
<td>emit_isbn</td>
</tr>
<tr>
<td>ISSN</td>
<td>022a 022y 022z 440x 490x 730x 776x 780x 785x</td>
<td></td>
</tr>
<tr>
<td>Standard-ID</td>
<td>024a</td>
<td></td>
</tr>
<tr>
<td>Call Number</td>
<td>952o</td>
<td></td>
</tr>
<tr>
<td>Call Number</td>
<td>099ab 090ab 050ab 082ab</td>
<td>concat</td>
</tr>
<tr>
<td>Call Number-a</td>
<td>099a 090a 050a 082a</td>
<td></td>
</tr>
<tr>
<td>LCCN</td>
<td>010a 010z</td>
<td></td>
</tr>
<tr>
<td>Control Num</td>
<td>035a 001[0-15]</td>
<td>first trim</td>
</tr>
</tbody>
</table>

# cn-sort -- some catalogs seem to have no cn_sort at bib level, so fall back on first item cn.
cn-sort | 9426 9526 | first

# could use filter here like 'coerce_int'
suppress | 942n | dne_to_zero

LibLime Koha-tag | 999c | emit_tags

linked_rcn | record | emit_linked_rcns

popularity | 9420

catdate | 999c | emit_datecreated

acqdate | 952d | most_recent

on-shelf-at | 952 | on_shelf_at | unique

owned-by | 952a | unique

lost | 9521 | min_or_zero
text | 952x 952z
# record must have at least one item with lost value < 1, or no items at all.

on_order_count | 942t
in_process_count | 942u
#for_ref-at_ms | 952 | for_ref_at | unique
#checked_out_count | 952 | is_checked_out | count
#on_hold_count | 952 | is_on_hold | count
#in_transit_count | 952 | is_in_transit | count
#on_order_count | 952 | is_on_order | count

marcxml | record | as_marcxml
Appendix C: System Preference Changes in LibLime LibLime Koha 4.18

New System Preferences

FinesExcludeGracePeriod

ExcludeAccruingInTotal

OverdueRules: If the ExcludeAccruingInTotal syspref is turned ON, then this calculation removes the accruing fees from the total due calculation.

SIPExpiryPeriod: Enhance Deny a patron's ability to use a self check machine when their account is going to expire in a specific number of days. This number if days is configurable via the SIPExpiryPeriod system preference.

SIPResponseDelimiter”. As deployed in Koha originally, SIP2 response line delimiter was hardcoded to use CRLF (\r\n). SIP specification explicitly states to use CR (\r). This syspref SIPResponseDelimiter allows sites to use the Koha original approach or conform with SIP2 protocol – third party vendors will be able to tell sites which delimiter to use.

Modified System Preferences

RefundLostReturnedAmount: (during initial phase of development was removed – was reinstated)
56136694

If set to ON, Lost Item Charges that are refunded will be flagged to not auto-apply to fees. Staff with accept_payment permission may elect to apply the credit to outstanding fees, otherwise the credit will remain in the 'unallocated credits' table until refunded. The credit will not auto-apply. Please note: as currently designed: a staff member may errantly apply a credit to an incorrect branch.

Retired System Preferences

ClaimsReturnedValue

EnableOverdueAccruedAmount
**EnableOwedNotification**
removed because that function has moved into the patron category policy (new field named Billing notice threshold)

**LinkLostItemsToPatron**

**MarkLostItemsReturned**

**OwedNotificationValue**
removed because that function has moved into the patron category policy (new field named Billing notice threshold)

This system preference is gone and the 'refund' tab no longer appears; if a patron has a credit, it appears in the main fines tab, with branch information included. This would allow a library to choose a credit on a fine that was assessed by a specific branch and refund that amount. However, with that change, there was nothing in place to prevent these credits from being applied to other fines from other libraries.

Rather than add a system preference, the following has been deployed: When any credit is generated in LibLime Koha, it will only auto-apply to fines from the same branch. A button was added to the interface that displays credits: 'Apply to outstanding fines'. This button would only appear, of course, if there were fines to apply the credit to. Thus, credits generated at library a would only be applied to fines from library b when staff manually triggers it.

**ShowSupressStatus**

**ChargeOverdueFineOnRenewal**