



Transaction Auditing Administrator and User Guide

Document containing setup and reporting
instructions related to Transaction Auditing

A large, abstract graphic at the bottom of the page consists of several overlapping, semi-transparent geometric shapes in shades of green and grey, creating a layered, architectural effect.

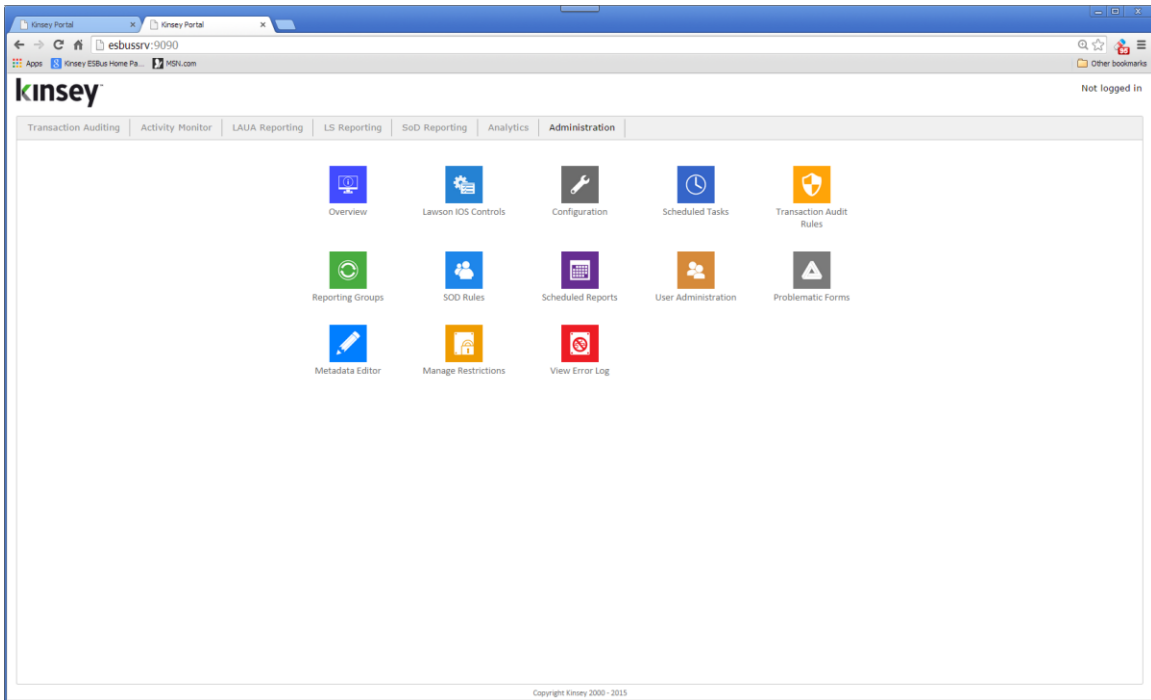
2016

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Defining an Audit Rule

You'll have your own custom URL for accessing the Kinsey Server's main menu.

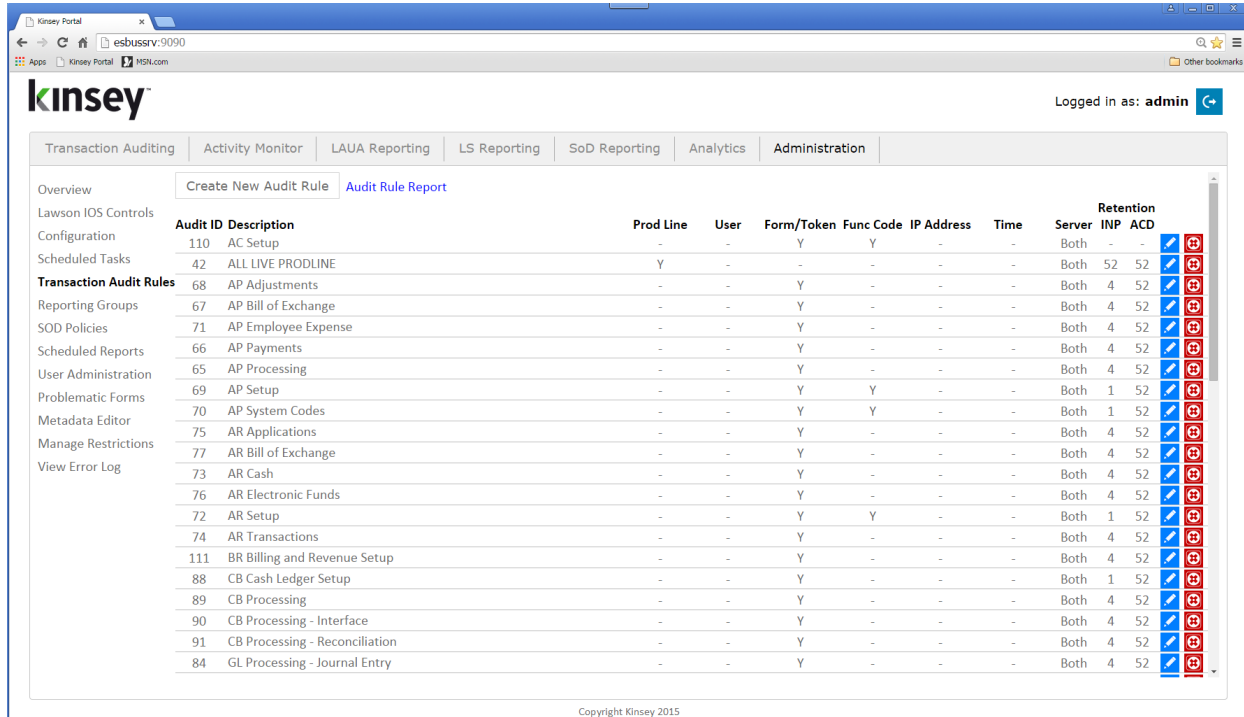


Select the Administration tab to log into the Admin page

A login form for the Kinsey Transaction Auditing system. It features the Kinsey logo at the top left. Below the logo, the text 'Transaction Auditing Login' is displayed. There are two input fields: 'User Name' and 'Password'. A 'Login' button is positioned below the password field.

Enter your administrative User name and Password

From the Administrative page select "Transaction Audit Rules". The existing rules will be displayed. To add a new rule select the "Create New Audit Rule" button or to edit or delete an existing rule click on the appropriate icon next to the audit description.



For all new rules the system will automatically assign an Audit Rule ID. This ID can be used in the selection criteria when setting up reports. This is helpful if you are setting up a group of tokens (forms) or a group of users that you want to audit. When you create a report you can simply request a query of all records matching the Audit Trail ID instead of creating criteria to match user names or token ID's.

The Audit rule fields are used for filtering purposes when capturing data. The application uses OR logic when multiple values appear in one field and AND logic when combining these fields. For example, if you enter doug_smith and paul_jones in the User Name field and AP10.1 and AR10.1 in the token field the application would capture transactions entered for (Smith OR Jones) AND (AR10.1 or AR10.1)

Note that you can run a quick listing of the contents of all audit rules by clicking on the Audit Rule Report link at the top.

Create New Lawson Auditing Rule

Please separate multiple entries with "SEMI-COLON" [;]

Audit Rule ID:

Lawson Servers:

Rule Description:

Productline(s):

User Name(s):

Token(s):

Function Code(s):

IP Address:

Audit Start Time (hr/min):

Audit End Time (hr/min):

* Setting Start and End time to "0:00 AM" disables time constraint

Enable data retention

Remove Inquiries after:

Remove Add/Changes/Deletes after:

- Audit Rule ID: This field is automatically assigned
- Lawson Servers: Select the server you would like to audit
- Rule Description: Enter a description describing the intent of the audit
- Product Lines: Enter the Product Line(s) you would like to audit
- User Names: Enter a list of users you would like to audit. Enter the users Lawson login ID as the User Name. To specify multiple users put a semicolon between each name. Leaving the field blank will automatically audit all Lawson Users.
- Tokens: Enter a list of token or form names you would like to audit. To specify multiple tokens put a semicolon between each token name. For example HR11.*;AP10.*;GL20.* . Leaving the field blank will automatically audit all Lawson tokens.

Hint: The application will match token names based on the number of characters entered. For example if you enter "AP1" the system will audit all tokens beginning with AP1 (AP10.1, AP10.2, AP11.1, AP160, etc.)

Function Codes: Enter the Function Code you would like to audit. Leaving the field blank will automatically audit all Lawson Function Codes.

IP Address: Enter the IP address that you want to audit. The application will match the originating IP address with the address entered from left to right. For example if you enter 192.168 and leave the 3rd and 4th segment blank the system will pick up all transaction from IP addresses matching the first 6 digits.

Audit Start Time: Enter the starting time for the audit to start capturing activity.

Audit End Time: Enter the ending time for the audit to stop capturing activity.

Enable LID: Checking this option will enable transactions entered through Lawson's LID user interface to be captured. ***THIS OPTION IS ONLY ACTIVE IF SPECIFIED IN THE PURCHASE CONTRACT.***

Enable Portal Checking this option will enable transactions entered through Lawson's Portal, LSO or MS Addin's to be captured.

Enable Data Retention:

Selecting this option will allow you to set data retention policies for the data capture in this audit. If you do not set data retention policies all data will be kept indefinitely. Valid options are Never, 1, 2,4, 13, 26 & 52 weeks.

Remove Inquiries After:

Select the time period that you want to keep all data inquiry records. This will include function codes '(I)nquiry, (N)ext, (P)revious,(+) Page down (-) Page up.

Remove Add/Change/Deletes after:

Enter the time period that you want to keep all non-inquire records.

Select **SAVE** to save your entry.

Creating Reports

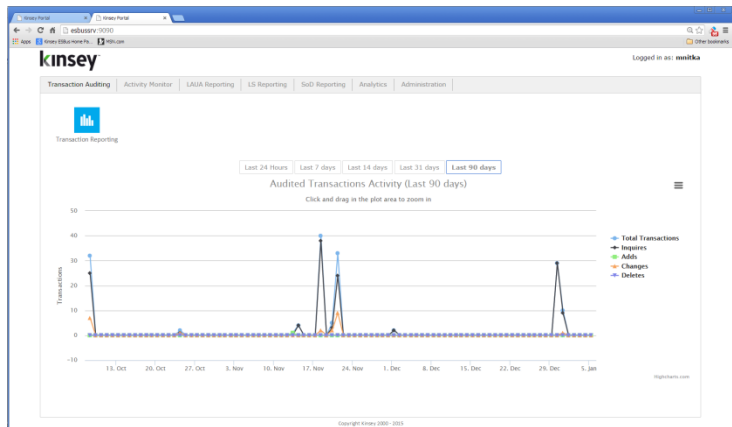
The reporting tool is a good starting point to show you intuitive reports displaying data in surprising ways. Essentially, your “unstructured” queries will return structured results!

And with the added ability to export your results to Microsoft Excel or access our tables directly using JDBC compliant reporting products, your report options are virtually unlimited.

You'll have your own custom URL for accessing the Kinsey Server's main menu, which will be similar to this →

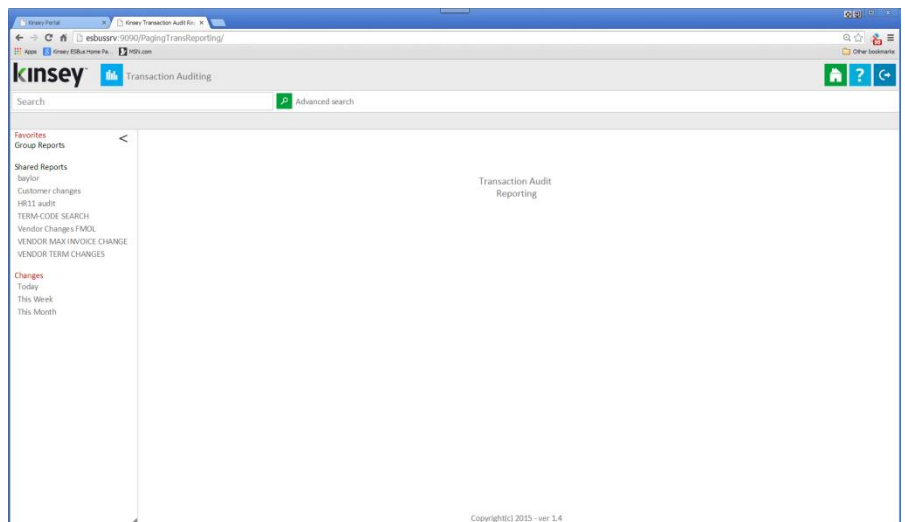
Hovering over the graph shows the volume of transactions that have been captured in the selected time period.

Click the Transaction Reporting icon to continue.



This is your starting screen →

- Favorites**
- Group Reports
- Shared Reports**
- baylor
- Customer changes
- HR11 audit
- TERM-CODE SEARCH
- Vendor Changes FMOL
- VENDOR MAX INVOICE CHANGE
- VENDOR TERM CHANGES
- Changes**
- Today
- This Week
- This Month



← After you define and save your favorite reports, they appear in the left section for immediate access.

Searching

Quick Start!

Assuming your TA has been running for a period of time, enter anything you'd like in the Search Bar at the top and click the green magnifying glass:

The screenshot shows the Kinsey Transaction Auditing web application. The search bar at the top contains the text 'lawson'. Below the search bar, a table displays the search results. The table has columns for Date/Time, User, IP, Prod Line, Form, Audit Code, Function, Key 1, Key 2, Key 3, Key 4, Key 5, Server Id, and Tran Type. The results show a list of transactions with details such as '12/31/14 9:37 AM', 'lawson', 'mnitka-pc.kk.local', 'LIVE', 'CU01.1 56,37', 'N - Next', 'ALIS', 'LSF_PROD PORTAL', etc. The interface also includes a sidebar with navigation options like 'Favorites', 'Group Reports', and 'Changes'.

Date/Time	User	IP	Prod Line	Form	Audit Code	Function	Key 1	Key 2	Key 3	Key 4	Key 5	Server Id	Tran Type
MORE 12/31/14 9:37 AM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	N - Next	ALIS					LSF_PROD	PORTAL
MORE 12/31/14 9:33 AM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	N - Next	AED					LSF_PROD	PORTAL
MORE 12/31/14 9:33 AM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	I - Inquire	AED					LSF_PROD	PORTAL
MORE 12/31/14 9:31 AM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	P - Previous	USD					LSF_PROD	PORTAL
MORE 12/31/14 9:31 AM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	I - Inquire	ZAR					LSF_PROD	PORTAL
MORE 12/31/14 9:02 AM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	I - Inquire	ZAR					LSF_PROD	PORTAL
MORE 12/31/14 9:02 AM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	I - Inquire	ZAR					LSF_PROD	PORTAL
MORE 12/31/14 11:27 AM	lawson	mnitka-pc.kk.local	LIVE	HR11.1	43,37	C - Change	1	100				LSF_PROD	PORTAL
MORE 12/31/14 11:20 AM	lawson	mnitka-pc.kk.local	LIVE	HR11.1	57	N - Next	1	100				LSF_PROD	PORTAL
MORE 12/30/14 5:03 PM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	I - Inquire	ZAR					LSF_PROD	PORTAL
MORE 12/30/14 5:03 PM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	I - Inquire	ZAR					LSF_PROD	PORTAL
MORE 12/30/14 5:03 PM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	I - Inquire	ZAR					LSF_PROD	PORTAL
MORE 12/30/14 5:03 PM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	I - Inquire	ZAR					LSF_PROD	PORTAL
MORE 12/30/14 5:03 PM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	I - Inquire	ZAR					LSF_PROD	PORTAL
MORE 12/30/14 5:03 PM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	I - Inquire	ZAR					LSF_PROD	PORTAL
MORE 12/30/14 5:03 PM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	I - Inquire	ZAR					LSF_PROD	PORTAL
MORE 12/30/14 5:03 PM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	I - Inquire	ZAR					LSF_PROD	PORTAL
MORE 12/30/14 5:02 PM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	N - Next	ZAR					LSF_PROD	PORTAL
MORE 12/30/14 5:02 PM	lawson	mnitka-pc.kk.local	LIVE	CU01.1	56,37	N - Next	SEK					LSF_PROD	PORTAL

Results! That was easy!

Of course, as the transactions accumulate, you'll find that this is a fairly inefficient way to view them, and honing your query will show more targeted results.

Advanced Search

Click the *Advanced Search* link right of the magnifying glass. If you Quick Start search it already knows the query you just ran, but now you can refine it.

The advanced search window provides 5 filtering options when setting up a report. The filter options can vary depending on the column name selected. For example if you select "Audit Date" you will have an additional option to use the "Between" filter.

Column Name: Select the field you would like to filter on. For example if you want all HR11.1 records select "Form".

HINT: The Any Field option will allow you to search any field in the audit database for a specific value. This could be a field name or a field value.

Filter: Select the filter you want to use from the drop down box. Options include "equals", "less than", "greater than", "starts with", "contains", "does not equal", and "between".

Search Criteria: Enter the data you are searching for. For example, in the case of a form enter AP10.1; for a user enter the User's ID, etc.

Prompt at Runtime: This option allows you to flag the criteria you will allow a user to change when a report is run from LBI or from the saved report navigation pane. For example you may set up a report to check for any HR11.1 changes within a specified date range. Each time the report is run you may not want the user to change the form name but you will allow them to change the date range. Checking the Prompt at runtime checkbox will allow them to change the date each time the report is run.

Transaction Function Code selection:

Choose the Function Code or Codes for the transactions you want to see.

HINT: Selecting function code 'C' will only return change records, however you will still see all of the fields related to the record even if they didn't change. See "Only Show Changes" for further restrictions"

Transaction Detail Options

Enable Field Filter: This checkbox is currently not in use.

Only Show Changes: This option restricts the results to just the fields that are changed on a "Change" record. For example when you change a customer's name in AR10.1 the entire record submitted to Lawson is considered a "Change" record; however the only data changed was the name. In order to just display the name field you need to select the "Only Show Changes" field.

Hide Blanks: Select this option if you want to hide blank fields in the search results. An example of this might be Customer Address line 4.

Hide Hidden Fields: Lawson has many fields related to a form that do not show during normal use. Many of the fields are changed by Lawson behind the scenes. To prevent these from displaying simply check this option.

Search Type: This option controls how the 5 filters work together. When you select "Match All" the system requires all data records to satisfy each of the filters in order to display on the report. This is generally referred to as "AND" logic. If you select "Match 1 or More" the data records only need to satisfy one of the criteria. This is considered "OR" logic.

Searching Tips

Let's say we only want to view transactions that updated the system. On the right side you'll see that Any was checked. Uncheck that and click on the checkboxes for Add, Change and Delete:

Advanced Search
 Since the audit data is held in MySQL - this screen is **NOT CASE-SENSITIVE** on searches

Column Name: Username	Search Criteria: equals lawson	Prompt at runtime: <input type="checkbox"/>	Transaction function code selection: <input type="checkbox"/> Any <input type="checkbox"/> Inquire <input checked="" type="checkbox"/> Add <input type="checkbox"/> Next <input checked="" type="checkbox"/> Change <input type="checkbox"/> Previous <input checked="" type="checkbox"/> Delete <input type="checkbox"/> Previous Transaction detail options <input type="checkbox"/> Enable Field Filter <input type="checkbox"/> Only Show Changes <input type="checkbox"/> Hide Blanks <input type="checkbox"/> Hide Hidden Fields
Column Name: Not Selected	Search Criteria: Not Selected	Prompt at runtime: <input type="checkbox"/>	
Column Name: Not Selected	Search Criteria: Not Selected	Prompt at runtime: <input type="checkbox"/>	
Column Name: Not Selected	Search Criteria: Not Selected	Prompt at runtime: <input type="checkbox"/>	
Column Name: Not Selected	Search Criteria: Not Selected	Prompt at runtime: <input type="checkbox"/>	

Search Type: **Match All** **View Report**

Click View Report on the bottom right and watch it run much faster. Also, now we know we're only seeing update transactions – much more meaningful than digging through the inquiries.

The results of the query will display summary results for the information requested including the user, date and key values. In order to see the detail behind the query select the MORE link on the left of the summary row.

More	Date/Time	User	IP	Prod Line	Form	Audit Code	Function	Key 1	Key 2	Key 3	Key 4	Key 5	Server Id	Tran Type	
MORE	12/11/14 11:27 AM	lawson	mmitka-pc.kk.local	LIVE	HR11.1	43,57	C - Change	1					LSF_PROD	PORTAL	
MORE	12/19/13 2:46 PM	lawson	dan-desktoptpc.kk.local	LIVE	AP10.1	57	C - Change	1	102				LSF_PROD	PORTAL	
MORE	12/17/13 1:16 PM	lawson	mmitka-pc.kk.local	LIVE	AP10.1	57	C - Change	1	100				LSF_PROD	PORTAL	
MORE	12/17/13 1:16 PM	lawson	mmitka-pc.kk.local	LIVE	AP10.1	57	C - Change	1	100				LSF_PROD	PORTAL	
MORE	11/8/13 5:07 PM	lawson	mmitka-pc.kk.local	LIVE	GL45.1	57	C - Change	1		N	0	0	LSF_PROD	PORTAL	
MORE	11/8/13 5:06 PM	lawson	mmitka-pc.kk.local	LIVE	GL40.1	57	C - Change	4	100	1	2009		LSF_PROD	PORTAL	
MORE	11/7/13 1:30 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL40.1	57	C - Change	4	100	1	2009		LSF_PROD	PORTAL	
MORE	11/7/13 1:30 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL40.1	57	A - Add	4	100	1	2009		LSF_PROD	PORTAL	
MORE	11/7/13 1:24 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL40.1	57	A - Add	4	100	1	2009		LSF_PROD	PORTAL	
MORE	11/7/13 1:23 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL40.1	57	C - Change	4	100	1	2009		LSF_PROD	PORTAL	
MORE	11/7/13 1:21 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL40.1	57	C - Change	4	100	1	2009		LSF_PROD	PORTAL	
MORE	11/7/13 1:13 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL40.1	57	C - Change	4	100	1	2009		LSF_PROD	PORTAL	
MORE	11/7/13 1:13 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL40.1	57	A - Add	4	100	1	2009		LSF_PROD	PORTAL	
MORE	11/7/13 1:12 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL40.1	57	A - Add	4	100	1	2009		LSF_PROD	PORTAL	
MORE	11/7/13 1:01 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL45.1	57	C - Change	1				0	0	LSF_PROD	PORTAL
MORE	11/7/13 12:58 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL45.1	57	C - Change	100				0	0	LSF_PROD	PORTAL
MORE	11/7/13 12:50 PM	lawson	mmitka-pc.kk.local	LIVE	GL45.1	57	C - Change	1				0	0	LSF_PROD	PORTAL
MORE	11/7/13 12:48 PM	lawson	mmitka-pc.kk.local	LIVE	GL45.1	57	C - Change	1				0	0	LSF_PROD	PORTAL
MORE	11/7/13 12:20 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL40.1	57	C - Change	4	100	1	2009		LSF_PROD	PORTAL	
MORE	11/7/13 12:18 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL40.1	57	C - Change	4	100	1	2009		LSF_PROD	PORTAL	
MORE	11/7/13 12:17 PM	lawson	dan-desktoptpc.kk.local	LIVE	GL40.1	57	C - Change	4	100	1	2009		LSF_PROD	PORTAL	

But what if you only want to find the fields that have a "new" value?

Fine Tuning Your Search

Let's go back to the *Advanced Search* link:

Advanced Search

Since the audit data is held in MySQL - this screen is **NOT CASE-SENSITIVE** on searches

Column Name: Search Criteria: Prompt at runtime:

Transaction function code selection:

Any Inquire

Add Next

Change Previous

Delete

Transaction detail options

Enable Field Filter

Only Show Changes

Hide Blanks

Hide Hidden Fields

Search Type:

Notice the other checkboxes? Let's click the "Only Show Changes" and View the Report again.

Now we can see exactly what fields the user changed, without having to search through all of the available fields.

Date/Time	User	IP	Prod Line	Form	Audit Code	Function	Key 1	Key 2	Key 3	Key 4	Key 5	Server Id	Tran Type																																
12/31/14 11:27 AM	lawson	mmitka-pc.kk.local	LIVE	HR11.1	45,57	C-Change	1	100					LSF_PROD PORTAL																																
12/19/13 2:48 PM	lawson	dan-desktohppc.kk.local	LIVE	AP10.1	57	C-Change	1	102					LSF_PROD PORTAL																																
<table border="1"> <thead> <tr> <th>Form</th> <th>Function</th> <th>VELO-LOCATION-CODE</th> <th>Vendor Group</th> <th>Vendor</th> <th>Field Name</th> <th>Value</th> <th>New Value</th> </tr> </thead> <tbody> <tr> <td>AP10.1</td> <td>C-Change</td> <td>1</td> <td>102</td> <td>VDR-EFFECTIVE-DATE</td> <td>11/19/2013</td> <td>12/9/2013</td> <td></td> </tr> <tr> <td>AP10.1</td> <td>C-Change</td> <td>1</td> <td>102</td> <td>VDR-DESC</td> <td>Metropolis IDN Vendor Master</td> <td></td> <td></td> </tr> <tr> <td>AP10.1</td> <td>C-Change</td> <td>1</td> <td>102</td> <td>VDR-ADDR3</td> <td>Apt 2B</td> <td>Apt 2B5</td> <td></td> </tr> </tbody> </table>														Form	Function	VELO-LOCATION-CODE	Vendor Group	Vendor	Field Name	Value	New Value	AP10.1	C-Change	1	102	VDR-EFFECTIVE-DATE	11/19/2013	12/9/2013		AP10.1	C-Change	1	102	VDR-DESC	Metropolis IDN Vendor Master			AP10.1	C-Change	1	102	VDR-ADDR3	Apt 2B	Apt 2B5	
Form	Function	VELO-LOCATION-CODE	Vendor Group	Vendor	Field Name	Value	New Value																																						
AP10.1	C-Change	1	102	VDR-EFFECTIVE-DATE	11/19/2013	12/9/2013																																							
AP10.1	C-Change	1	102	VDR-DESC	Metropolis IDN Vendor Master																																								
AP10.1	C-Change	1	102	VDR-ADDR3	Apt 2B	Apt 2B5																																							
12/17/13 1:16 PM	lawson	mmitka-pc.kk.local	LIVE	AP10.1	57	C-Change	1	100					LSF_PROD PORTAL																																
12/17/13 1:16 PM	lawson	mmitka-pc.kk.local	LIVE	AP10.1	57	C-Change	1	100					LSF_PROD PORTAL																																
11/8/13 5:07 PM	lawson	mmitka-pc.kk.local	LIVE	GL45.1	57	C-Change	1	N	0	0			LSF_PROD PORTAL																																
11/8/13 5:06 PM	lawson	mmitka-pc.kk.local	LIVE	GL40.1	57	C-Change	4	100	1	2009			LSF_PROD PORTAL																																
11/7/13 1:30 PM	lawson	dan-desktohppc.kk.local	LIVE	GL40.1	57	C-Change	4	100	1	2009			LSF_PROD PORTAL																																
11/7/13 1:30 PM	lawson	dan-desktohppc.kk.local	LIVE	GL40.1	57	A-Add	4	100	1	2009			LSF_PROD PORTAL																																
11/7/13 1:24 PM	lawson	dan-desktohppc.kk.local	LIVE	GL40.1	57	A-Add	4	100	1	2009			LSF_PROD PORTAL																																
11/7/13 1:23 PM	lawson	dan-desktohppc.kk.local	LIVE	GL40.1	57	C-Change	4	100	1	2009			LSF_PROD PORTAL																																
11/7/13 1:21 PM	lawson	dan-desktohppc.kk.local	LIVE	GL40.1	57	C-Change	4	100	1	2009			LSF_PROD PORTAL																																
11/7/13 1:13 PM	lawson	dan-desktohppc.kk.local	LIVE	GL40.1	57	C-Change	4	100	1	2009			LSF_PROD PORTAL																																
11/7/13 1:13 PM	lawson	dan-desktohppc.kk.local	LIVE	GL40.1	57	A-Add	4	100	1	2009			LSF_PROD PORTAL																																
11/7/13 1:12 PM	lawson	dan-desktohppc.kk.local	LIVE	GL40.1	57	A-Add	4	100	1	2009			LSF_PROD PORTAL																																
11/7/13 1:01 PM	lawson	dan-desktohppc.kk.local	LIVE	GL45.1	57	C-Change	1	0	0				LSF_PROD PORTAL																																
11/7/13 12:58 PM	lawson	dan-desktohppc.kk.local	LIVE	GL45.1	57	C-Change	100	0	0				LSF_PROD PORTAL																																
11/7/13 12:50 PM	lawson	mmitka-pc.kk.local	LIVE	GL45.1	57	C-Change	1	0	0				LSF_PROD PORTAL																																
11/7/13 12:48 PM	lawson	mmitka-pc.kk.local	LIVE	GL45.1	57	C-Change	1	0	0				LSF_PROD PORTAL																																

Drilling on Search Results

The additional filtering and drilling option provides a more rapid approach to finding the data your are seeking. This feature allows you to search your Activity Monitor database for related activity or seach through your audit database for related keys.

Below you will see that my initial the query requested all Changes to form AP10.1. I then requested to see all transactions on for 1/16/15 or 1/17/15 for Vendor 117 by holding down the CTRL key and clicking on the field values. You can select fields from multiple rows using this technique. The application will use a combination of AND/OR logic to find the related transactions.

Date/Time	User	IP	Prod Line	Form	Audit Code	Function	Key 1	Key 2	Key 3	Key 4	Key 5	Server Id	Tran Type
01/19/15 3:20 PM	fnelson	192.168.100.133	LIVE	AP10.1	49,57,61,	C - Change	1	117				LSF_PROD	PORTAL
01/16/15 2:48 PM	fnelson	192.168.100.133	LIVE	AP10.1	49,57,61,	C - Change	1	117				LSF_PROD	PORTAL
01/16/15 2:44 PM	fnelson	192.168.100.133	LIVE	AP10.1	49,57,61,	C - Change	1	121				LSF_PROD	PORTAL
01/16/15 9:42 AM	fnelson	192.168.100.133	LIVE	AP10.1	49,57,61,	C - Change	1	122				LSF_PROD	PORTAL
01/16/15 9:42 AM	fnelson	192.168.100.133	LIVE	AP10.1	49,57,61,	C - Change	1	121				LSF_PROD	PORTAL
01/16/15 9:39 AM	fnelson	192.168.100.133	LIVE	AP10.1	49,57,61,	C - Change	1	117				LSF_PROD	PORTAL
09/10/14 2:05 PM	lawson	192.168.100.200	LIVE	AP10.1	42,	C - Change	1	1				LSF_TEST	PORTAL
07/24/14 10:19 AM	lawson	192.168.100.133	LIVE	AP10.1	57,61,	C - Change	1	110				LSF_PROD	PORTAL
07/24/14 10:17 AM	lawson	192.168.100.133	LIVE	AP10.1	57,61,	C - Change	1	110				LSF_PROD	PORTAL
07/24/14 9:43 AM	lawson	192.168.100.133	LIVE	AP10.1	57,	C - Change	1	104				LSF_PROD	PORTAL
02/27/14 9:48 AM	lawson	192.168.100.124	LIVE	AP10.1	57,	C - Change	1	1				LSF_PROD	PORTAL
02/26/14 4:05 PM	lawson	192.168.100.124	LIVE	AP10.1	57,	C - Change	1	100				LSF_PROD	PORTAL
02/26/14 4:04 PM	lawson	192.168.100.124	LIVE	AP10.1	57,	C - Change	1	100				LSF_PROD	PORTAL
02/26/14 4:04 PM	lawson	192.168.100.124	LIVE	AP10.1	57,	C - Change	1	100				LSF_PROD	PORTAL
02/26/14 4:04 PM	lawson	192.168.100.124	LIVE	AP10.1	57,	C - Change	1	100				LSF_PROD	PORTAL
02/26/14 4:03 PM	lawson	192.168.100.124	LIVE	AP10.1	57,	C - Change	1	100				LSF_PROD	PORTAL

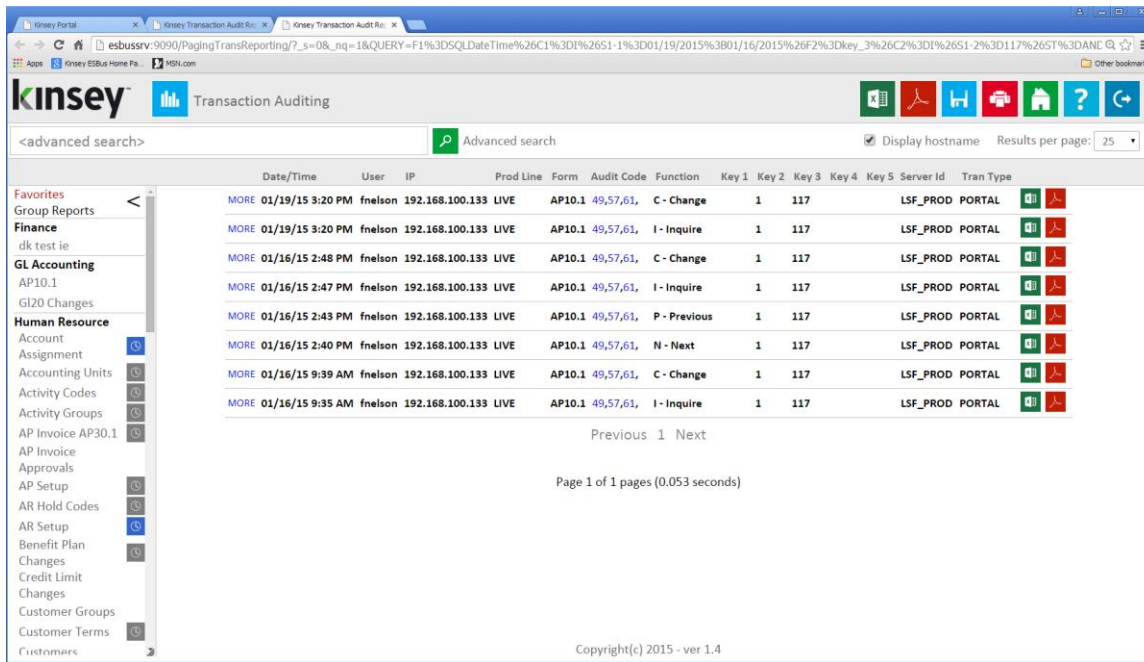
When I right click on a highlighted field I am provided 3 options.

1. Select the Search button to find all activity using these search values.
2. Select to Search the Activity Monitor records for all activity using these search values.
3. Select 'Search across all keys' to find all activity related to the keys selected.

Option 1: Search on Selection

When the Search button is selected a new browser tab will open with the related results. The query will return all record types (i.e. A,C,D,I,N,P) based on the criteria. You can return to the initial search results by closing this tab or drill futher by making additional selections.

Note: The filter selections create a new query and do not cascade from the prior selections.



Option 2: Viewing all AM transactions

This feature provides a couple major advantages over the search option. Since Activity Monitor keeps all user activity regardless of the Audit Rules defined, you may see transactions related to selected values that are not displayed on transaction auditing reporting. For example, you may have a rule that audits AP10.1 but not AP20.1. Transaction Auditing would not return any related key records for AP20.1 because it was not defined in an Audit Rule, but Activity Monitor would have a record of the transaction. In addition, returning the results of the query in the Acitivity Monitor reporting allows you to filter, group and sort your data in various ways.

IP Address	Host Name	User	Product Line	Form	Form Description	Function	Date/Time	Key 1	Key 2	Key 3	Key 4	Key 5	Audit
192.168.100.133	dan-deskto...	fnels...	LIVE	AP10...	Vendor	C	1/19/2015 3:2...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP10...	Vendor	I	1/19/2015 3:2...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP10...	Vendor	C	1/16/2015 2:4...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP10...	Vendor	I	1/16/2015 2:4...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP10...	Vendor	P	1/16/2015 2:4...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP10...	Vendor	N	1/16/2015 2:4...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP10...	Vendor	C	1/16/2015 9:3...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP10...	Vendor	I	1/16/2015 9:3...	1	117				

Note: For more information on how to use the LS Reporting to view Lawson activity refer to the LS Reporting Users guide.

Option 3: Search across all keys

This option provides a method of searching for all transactions related to a particular key. In the example on page 13 vendor 117 was select as an additional filter. However, the query only returned records where Key 3 matched 117. There are potentially other forms with activity related to vendor 117 on the dates requested. To find this information I should use the "Search across all keys" option prior to selecting Search or Activity Monitor.

The application will return all records that contain a key that matches 117 for the selected dates. In the example below I can now review transactions for form AP10.2, AP20.1 MA43.1 that match the selection criteria.

The screenshot shows the Kinsey Transaction Auditing interface. The main area displays a table of audit records with columns for Date/Time, User, IP, Prod Line, Form, Audit Code, Function, Key 1, Key 2, Key 3, Key 4, Key 5, Server Id, and Tran Type. The records are filtered for the user 'fnelson' on 01/16/15. The interface includes a sidebar with navigation options like Finance, GL Accounting, and Human Resource, and a top navigation bar with search and display options.

Date/Time	User	IP	Prod Line	Form	Audit Code	Function	Key 1	Key 2	Key 3	Key 4	Key 5	Server Id	Tran Type
01/16/15 2:40 PM	fnelson	192.168.100.133	LIVE	AP10.1	49,57,61,	N - Next	1	117				LSF_PROD	PORTAL
01/16/15 9:39 AM	fnelson	192.168.100.133	LIVE	AP10.1	49,57,61,	C - Change	1	117				LSF_PROD	PORTAL
01/16/15 9:38 AM	fnelson	192.168.100.133	LIVE	AP10.2	49,57,	I - Inquire	1	117				LSF_PROD	PORTAL
01/16/15 9:37 AM	fnelson	192.168.100.133	LIVE	AP16.1	57,	I - Inquire	1	117				LSF_PROD	PORTAL
01/16/15 9:37 AM	fnelson	192.168.100.133	LIVE	AP16.1	57,	I - Inquire	1	117				LSF_PROD	PORTAL
01/16/15 9:35 AM	fnelson	192.168.100.133	LIVE	AP10.1	49,57,61,	I - Inquire	1	117				LSF_PROD	PORTAL
01/16/15 9:34 AM	fnelson	192.168.100.133	LIVE	AP20.1	57,	C - Change	117	8900151	1			LSF_PROD	PORTAL
01/16/15 9:34 AM	fnelson	192.168.100.133	LIVE	AP20.1	57,	I - Inquire	117	8900151	1			LSF_PROD	PORTAL
01/16/15 9:34 AM	fnelson	192.168.100.133	LIVE	MA43.1	57,	T	963		1	117		LSF_PROD	PORTAL
01/16/15 9:34 AM	fnelson	192.168.100.133	LIVE	MA43.1	57,	C - Change	963		1	117		LSF_PROD	PORTAL
01/16/15 9:33 AM	fnelson	192.168.100.133	LIVE	MA43.1	57,	I - Inquire	963		1	117		LSF_PROD	PORTAL
01/16/15 9:33 AM	fnelson	192.168.100.133	LIVE	AP20.1	57,	T	117	8900151	1			LSF_PROD	PORTAL
01/16/15 9:32 AM	fnelson	192.168.100.133	LIVE	AP20.1	57,	I - Inquire	117	8900151	1			LSF_PROD	PORTAL
01/16/15 9:32 AM	fnelson	192.168.100.133	LIVE	MA43.1	57,	T	963		1	117		LSF_PROD	PORTAL
01/16/15 9:30 AM	fnelson	192.168.100.133	LIVE	MA43.1	57,	I - Inquire	963		1	117		LSF_PROD	PORTAL

Activity Monitor Reporting

The screenshot shows the Kinsey Transaction Audit interface with a detailed view of audit records. The main area displays a table with columns for IP Address, Host Name, User, Product Line, Form, Form Description, Function, Date/Time, Key 1, Key 2, Key 3, Key 4, Key 5, and Audit. The records are filtered for the user 'dan-deskto...' on 1/16/2015. The interface includes a sidebar with navigation options and a top navigation bar with search and display options.

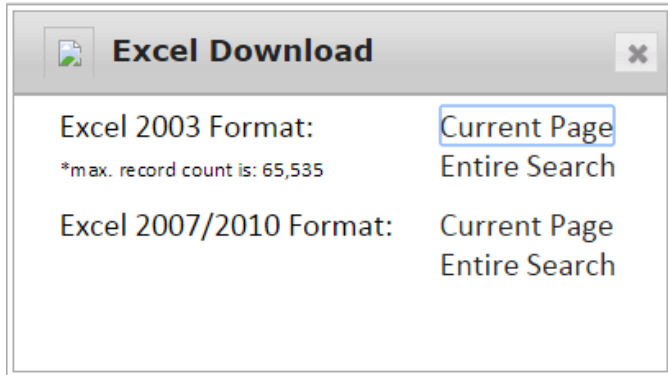
IP Address	Host Name	User	Product Line	Form	Form Description	Function	Date/Time	Key 1	Key 2	Key 3	Key 4	Key 5	Audit
192.168.100.133	dan-deskto...	fnels...	LIVE	AP1...	Vendor	N	1/16/2015 2:4...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP1...	Vendor	C	1/16/2015 9:3...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP1...	Vendor Location	I	1/16/2015 9:3...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP1...	Vendor Bank	I	1/16/2015 9:3...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP1...	Vendor Bank	I	1/16/2015 9:3...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP1...	Vendor Bank	I	1/16/2015 9:3...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP1...	Vendor	I	1/16/2015 9:3...	1	117				
192.168.100.133	dan-deskto...	fnels...	LIVE	AP2...	Basic Invoice	C	1/16/2015 9:3...	117	8900151	1			
192.168.100.133	dan-deskto...	fnels...	LIVE	AP2...	Basic Invoice	I	1/16/2015 9:3...	117	8900151	1			
192.168.100.133	dan-deskto...	fnels...	LIVE	MA4...	Invoice Line Detail - Purchas...	T	1/16/2015 9:3...	963			1	117	
192.168.100.133	dan-deskto...	fnels...	LIVE	MA4...	Invoice Line Detail - Purchas...	C	1/16/2015 9:3...	963			1	117	
192.168.100.133	dan-deskto...	fnels...	LIVE	MA4...	Invoice Line Detail - Purchas...	I	1/16/2015 9:3...	963			1	117	
192.168.100.133	dan-deskto...	fnels...	LIVE	AP2...	Basic Invoice	T	1/16/2015 9:3...	117	8900151	1			
192.168.100.133	dan-deskto...	fnels...	LIVE	AP2...	Basic Invoice	I	1/16/2015 9:3...	117	8900151	1			
192.168.100.133	dan-deskto...	fnels...	LIVE	MA4...	Invoice Line Detail - Purchas...	T	1/16/2015 9:3...	963			1	117	
192.168.100.133	dan-deskto...	fnels...	LIVE	MA4...	Invoice Line Detail - Purchas...	I	1/16/2015 9:3...	963			1	117	
192.168.100.133	dan-deskto...	fnels...	LIVE	AP2...	Basic Invoice	A	1/16/2015 9:2...	117	8900151	1			
192.168.100.133	dan-deskto...	fnels...	LIVE	AP2...	Basic Invoice	I	1/16/2015 9:2...	117	89001...	1			
192.168.100.133	dan-deskto...	fnels...	LIVE	MA4...	Invoice Line Detail - Purchas...	T	1/16/2015 9:2...	965			1	117	

Note: Selecting a Key value without a form restriction could return results unrelated to the data you’re searching. For example, simply searching for vendor key 117 could also return customer 117. Adding a form filter of ‘begins with’ may provided more desirable results.

Exporting

Creating an MS Excel Document

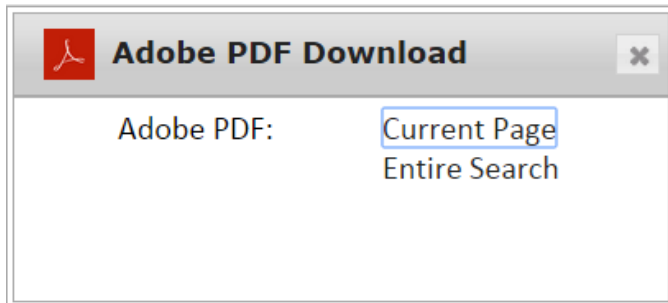
There are 2 ways to export your results to Microsoft Excel. The Excel icon on each line will export the detail data related to the individual record selected. The Excel icon in the upper right corner of the screen will give you the option of exporting the entire search or just the page currently being displayed.



Select the version of Excel supported by your computer.

Creating a PDF

There are 2 ways to export your results to a PDF file. The Adobe icon on each line will print the data related to the individual record selected. The Adobe icon in the upper right corner of the screen will give you the option of printing the entire search or just the page currently being displayed.



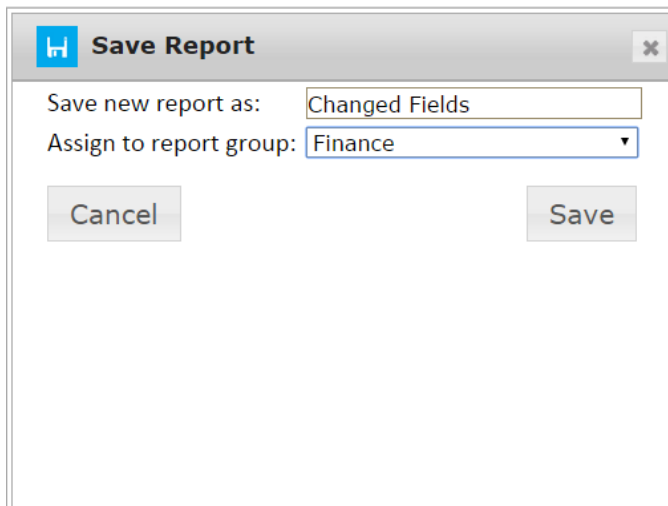
Printing

The printer icon will function like any other browser page you need to print. This will only print the data on the current screen.

Saving Queries

Saving a New Query

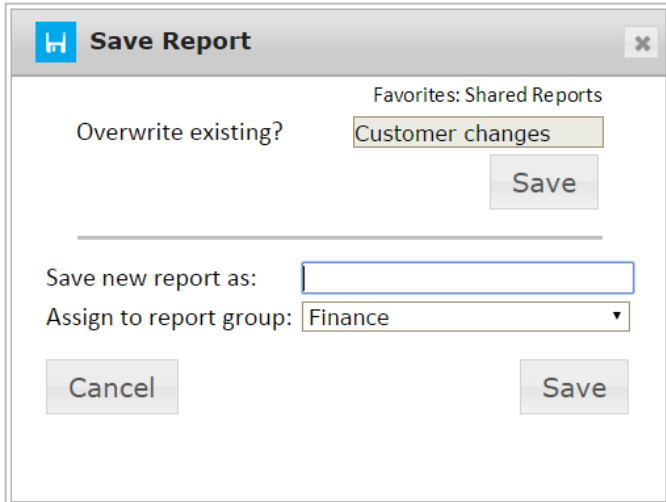
To save a report simply select the Save icon in the top right corner of the screen. Enter a report name and assign the report group for this report. The report group determines which users can view and run a save report. The report groups are assigned on the administration page under Reporting Groups.



The screenshot shows a 'Save Report' dialog box. The title bar contains a home icon, the text 'Save Report', and a close button. The main area has two input fields: 'Save new report as:' with the text 'Changed Fields' and 'Assign to report group:' with a dropdown menu showing 'Finance'. At the bottom are 'Cancel' and 'Save' buttons.

Changing or Copying an Existing Query

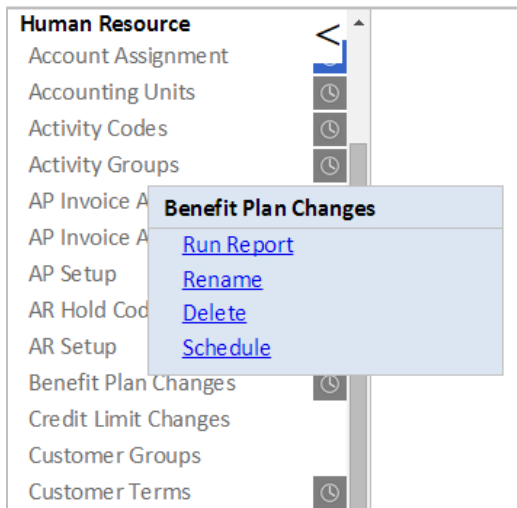
To save changes or create a copy of an existing query simply select the Save icon in the top right corner of the screen once you have run the query. You can save changes to an existing query by selecting SAVE in the Overwrite existing section. To copy an existing query enter a new query name and assign the report group in the new report section. The report group determines which users can view and run a save report. The report groups are assigned on the administration page under Reporting Groups.



Scheduling Reports

Scheduling a report will allow you to receive and email of any report you would like to receive on a regular basis automatically.

To schedule a report you must first create and save your report. Once the report displays in the left navigation pane click on the report name and select Schedule.



A grey clock icon is displayed if a schedule exists for a report but it is not enabled. The blue clock icon indicates the the schedule is currently enabled.

Schedule Report

Select schedule to use: Select existing Create new schedule

Schedule name: End of Week

Every week on Saturday at 18 : 00

Select users to email: Select existing Create new group

Email group name: Finance

d.kinsey@kinsey.com

Email format: Excel 2007 (*.xlsx)

Send blank reports:

Cancel Save

The scheduling screen allows you to setup new schedules or use existing schedules. Schedules can be set to run each minute, hour, day, week, month or year.

You can also create or use existing report groups. A report group contains a list of users you want to receive the report.

Send report export to:

The export options are Excel 2003, Excel 2007 or Adobe PDF

Send blank reports:

If you want the system to generate a report even when no report data is generated select this option.

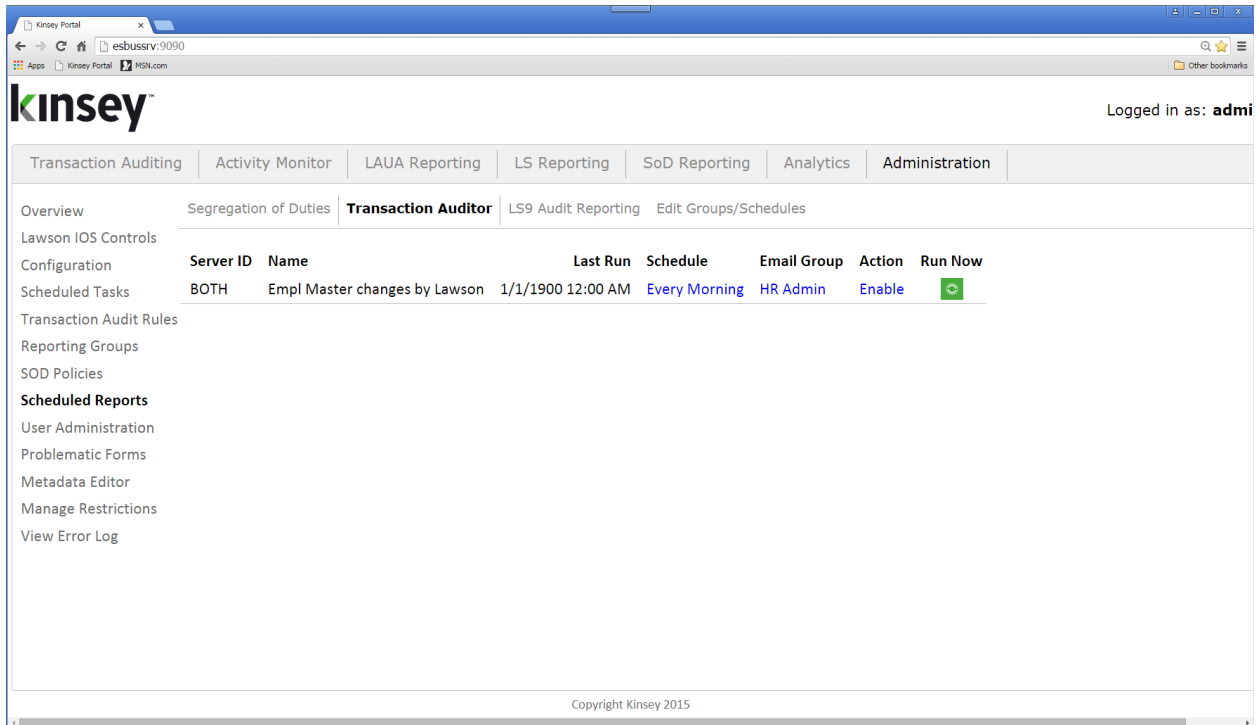
Deleting a Report

To delete a report click on the report name and select Delete.

Renaming a Report

To Rename a report click on the report name and select Rename.

Enabling and Disabling Scheduled Reports









Using the Administrator tab on the home page select *Scheduled Reports | Transaction Auditor* tab. The Action column on the right provides the option you can set the schedule to. For example in order to enable a schedule you must select the ENABLE link. The link does NOT show the current status but rather indicates the action you want to take.

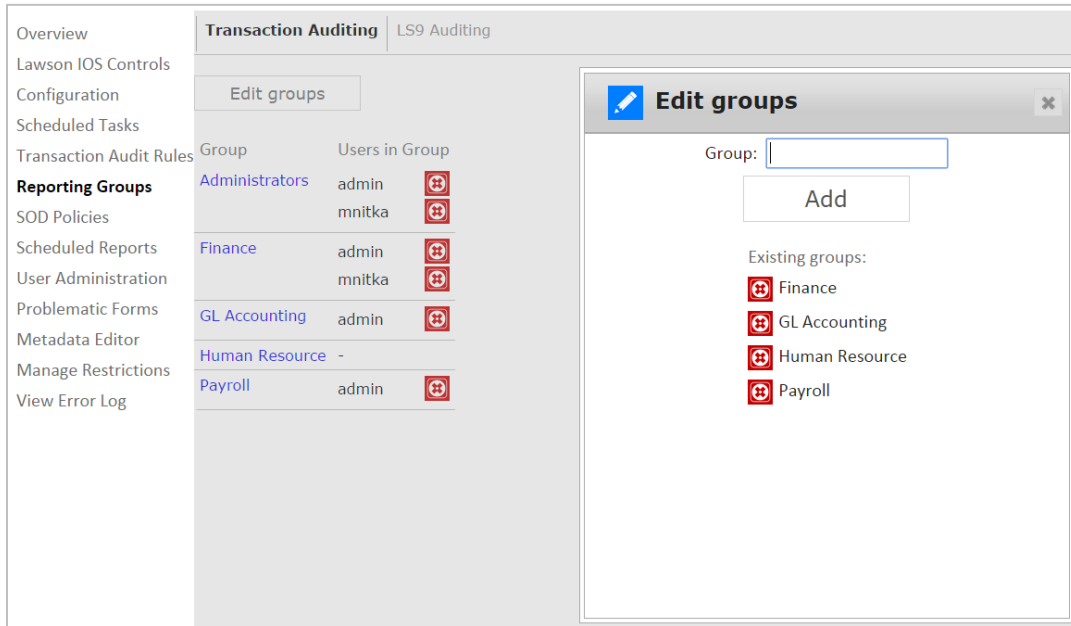
Reporting Groups

Reporting Groups are used when saving and/or displaying saved reports. A user will only be able to see reports saved to the groups they belong to or reports that are saved globally. (see *Save a New Report*).

Select Transaction Reporting Groups from the Admin tab.

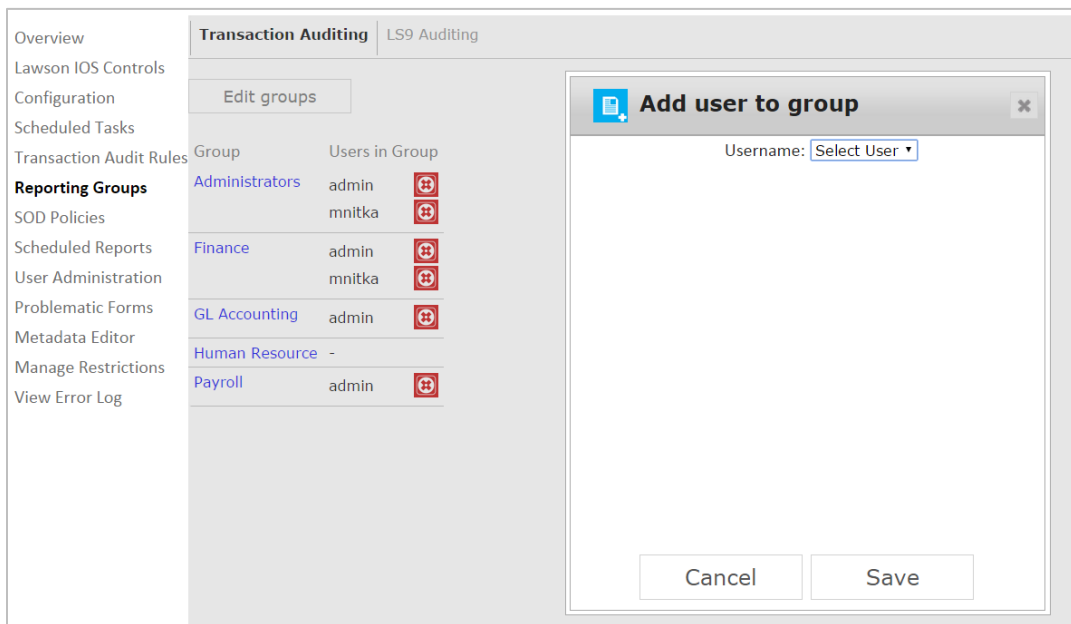
Overview	Transaction Auditing	LS9 Auditing
Lawson IOS Controls		
Configuration	Edit groups	
Scheduled Tasks		
Transaction Audit Rules	Group	Users in Group
Reporting Groups	Administrators	admin  mnitka 
SOD Policies		
Scheduled Reports	Finance	admin  mnitka 
User Administration		
Problematic Forms	GL Accounting	admin 
Metadata Editor	Human Resource	-
Manage Restrictions	Payroll	admin 
View Error Log		

To add or delete a group select the "Edit groups" button



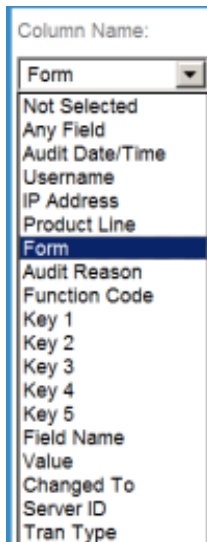
Enter a Name for the Group and select Add or click on the delete icon next to the group you want to delete.

To add a user to a group click on the group name and assign the appropriate user from the selection list.



Advanced Search Ideas

Please check the Column Name dropdown in the *Advanced Search* to see all of the wonderful items you can target, realizing that you can also run wide-open searches for any value you can dream of, such as:



Column Name:

- Form
- Not Selected
- Any Field
- Audit Date/Time
- Username
- IP Address
- Product Line
- Form
- Audit Reason
- Function Code
- Key 1
- Key 2
- Key 3
- Key 4
- Key 5
- Field Name
- Value
- Changed To
- Server ID
- Tran Type

- Pay-rate (to see if and when any pay-rate was changed)
- Vendor (what vendors have users been viewing and adding?)
- IBM (that specific vendor!)
- 174534 (employee ID)
- Johanson (employee or user)
- 10/1/2012 (before, on or after)
- 1077 (company)

Using combinations of open and/or targeted searches in the Advanced Search screen, you can determine a set of criteria that you'd like to check on a weekly basis, save the search, and have that run automatically with the results e-mailed to you!

Special Queries

In some cases it you may just want to know when a field "has changed" or exceeded a specific value. You can use the Advanced Filtering to setup these types of queries.

Searching for when a field that 'Has Changed'

Select Advanced Search" from the reporting screen.

*HINT: You will first need the Lawson technical name for the field you want to search. To find the name, define a simple query that includes the data you need to see. For instance to get the Lawson field name for an employee social security number (EMP-FICA-NBR) define a query using HR11.1. The technical name for the field will be displayed under the "Field Name" column by selecting **MORE** on the summary row.*

Advanced Search

Since the audit data is held in MySQL - this screen is **NOT CASE-SENSITIVE** on searches

Column Name: <input type="text" value="Form"/>	Search Criteria: <input type="text" value="equals"/> <input type="text" value="HR11.1"/>	Prompt at runtime: <input type="checkbox"/>	Transaction function code selection: <input checked="" type="checkbox"/> Any <input type="checkbox"/> Add <input type="checkbox"/> Inquire <input type="checkbox"/> Change <input type="checkbox"/> Next <input type="checkbox"/> Delete <input type="checkbox"/> Previous
Column Name: <input type="text" value="Field Name"/>	Search Criteria: <input type="text" value="equals"/> <input type="text" value="EMP-FICA-NBR"/>	Prompt at runtime: <input type="checkbox"/>	
Field value: <input type="text" value="Value"/> <input type="text" value="has changed"/>			
Column Name: <input type="text" value="Not Selected"/>	Search Criteria: <input type="text" value="Not Selected"/> <input type="text"/>	Prompt at runtime: <input type="checkbox"/>	Transaction detail options <input type="checkbox"/> Enable Field Filter <input type="checkbox"/> Only Show Changes <input type="checkbox"/> Hide Blanks <input type="checkbox"/> Hide Hidden Fields
Column Name: <input type="text" value="Not Selected"/>	Search Criteria: <input type="text" value="Not Selected"/> <input type="text"/>	Prompt at runtime: <input type="checkbox"/>	
Column Name: <input type="text" value="Not Selected"/>	Search Criteria: <input type="text" value="Not Selected"/> <input type="text"/>	Prompt at runtime: <input type="checkbox"/>	

Search Type:

If needed, enter the selection criteria for the form name, date range, user ID, etc. Once you have that defined add another filter for "Field Name". Set the filter to "equals" and enter the name of the field you need to check.

You will notice that on this type of search you will be given the option to enter criteria for the Field. To return all records where a specific value has changed set the "Field Value" to "Value" and the filter to "has changed"

The query above will only return records where the "Social Security Number (EMP-FICA-NBR) has been changed on form HR11.1

As you can see, you can use this option to track actions on any specific field for either the old value or the new value. For example if I only wanted to see records where the Employee's Department was changed to '1150' I would build the query to say New Value, equals, 1150.

Advanced Search
Since the audit data is held in MySQL - this screen is **NOT CASE-SENSITIVE** on searches

Column Name: <input type="text" value="Form"/>	Search Criteria: <input type="text" value="equals"/> <input type="text" value="HR11.1"/>	Prompt at runtime: <input type="checkbox"/>	Transaction function code selection: <input checked="" type="checkbox"/> Any <input type="checkbox"/> Add <input type="checkbox"/> Inquire <input type="checkbox"/> Change <input type="checkbox"/> Next <input type="checkbox"/> Delete <input type="checkbox"/> Previous
Column Name: <input type="text" value="Field Name"/>	Search Criteria: <input type="text" value="equals"/> <input type="text" value="EMP-DEPARTMENT"/>	Prompt at runtime: <input type="checkbox"/>	
Field value: <input type="text" value="New Value"/> <input type="text" value="equals"/> <input type="text" value="1150"/>			
Column Name: <input type="text" value="Not Selected"/>	Search Criteria: <input type="text" value="Not Selected"/> <input type="text"/>	Prompt at runtime: <input type="checkbox"/>	Transaction detail options <input type="checkbox"/> Enable Field Filter <input type="checkbox"/> Only Show Changes <input type="checkbox"/> Hide Blanks <input type="checkbox"/> Hide Hidden Fields
Column Name: <input type="text" value="Not Selected"/>	Search Criteria: <input type="text" value="Not Selected"/> <input type="text"/>	Prompt at runtime: <input type="checkbox"/>	
Column Name: <input type="text" value="Not Selected"/>	Search Criteria: <input type="text" value="Not Selected"/> <input type="text"/>	Prompt at runtime: <input type="checkbox"/>	

Search Type:

Notes: