

# XLr8Tools



## **XLr8Resizer Guide**

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## **XLr8 Resizer Guide**

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Version 1.0  
Created March 2010  
Updated May 16, 2012

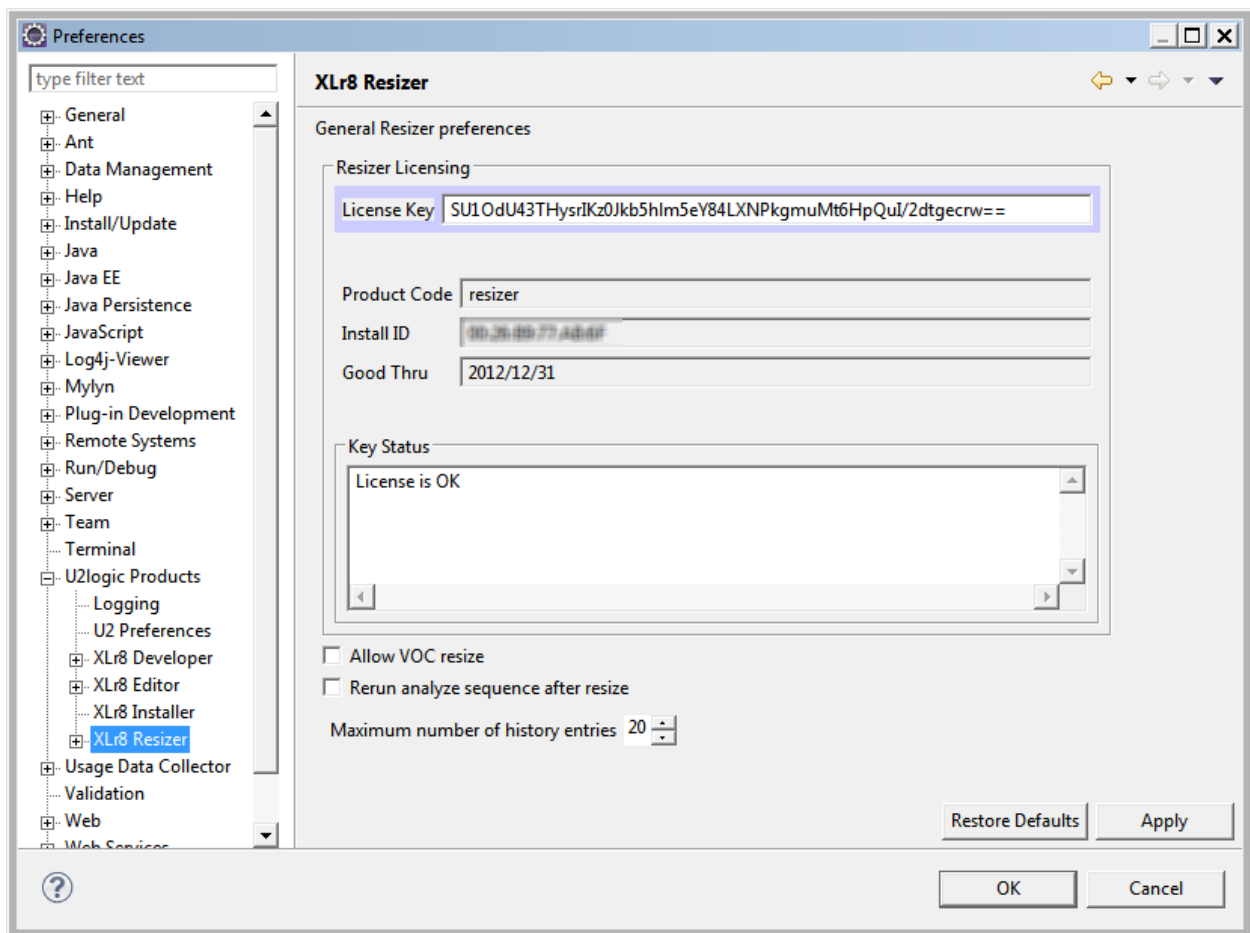
Printed in the United States of America  
U2logic, 13963 Powhaton Road, Brighton, Colorado 80603

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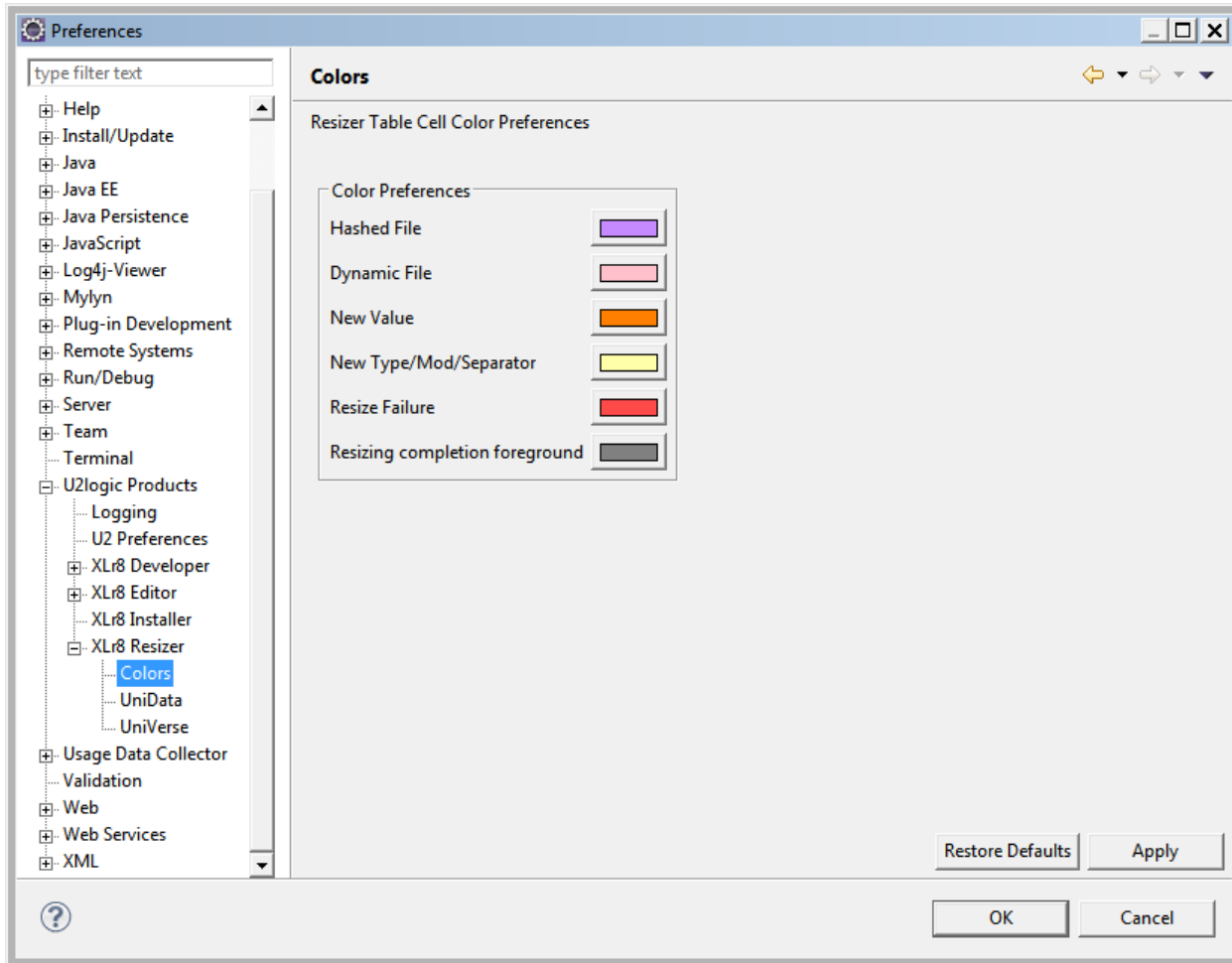
## License XLr8Resizer

Email your Install ID to support@u2logic with XLr8 in the subject. U2logic will email you back a license key for the product you requested. Copy and paste your license key into Window -> Preferences -> U2logic Products -> XLr8Resizer. Click okay and you are ready to use the premier Eclipse plug-ins for U2 databases.



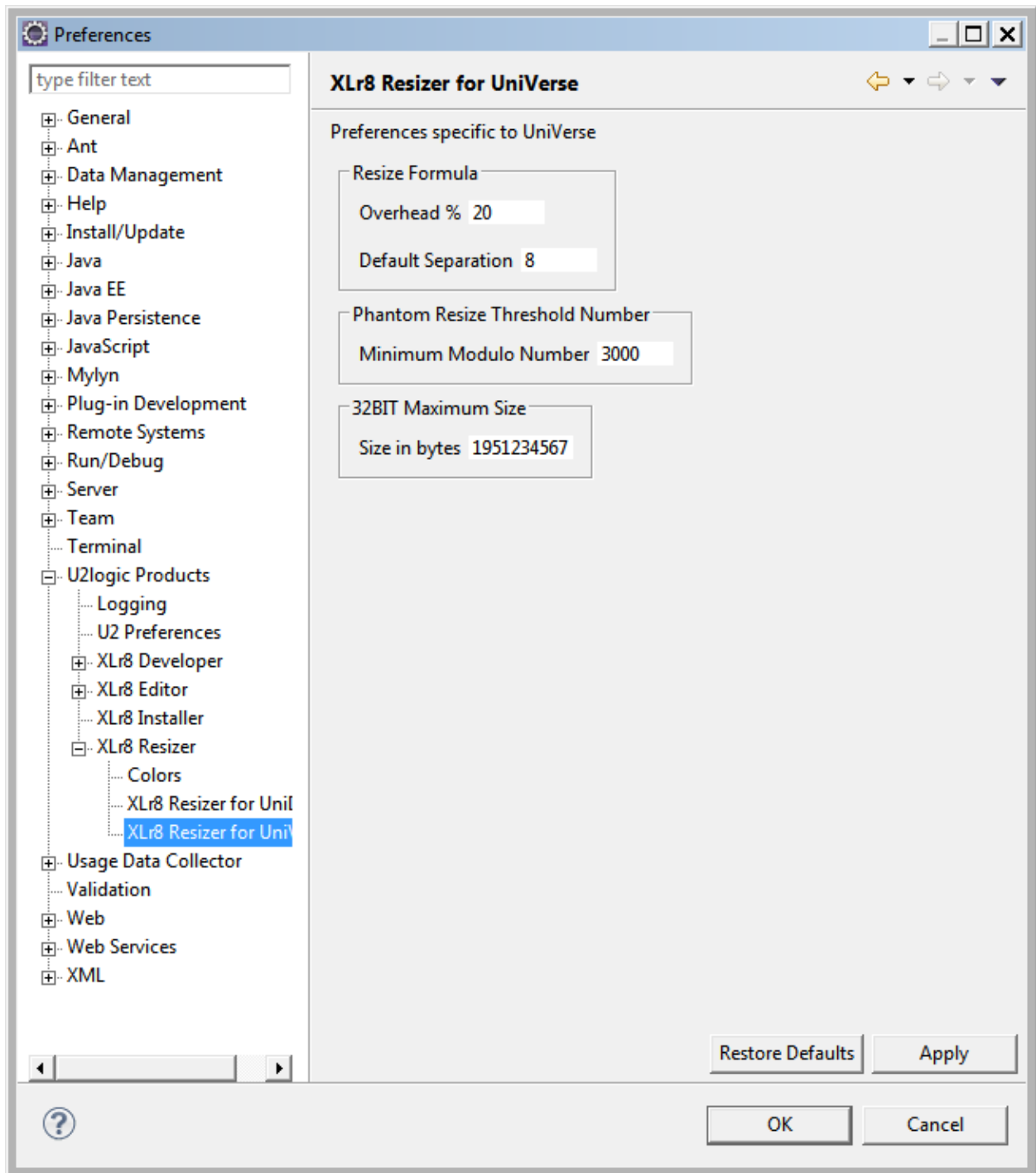
## Color Options

This form allows you change any of the default color scheme to whatever colors suit your fancy.



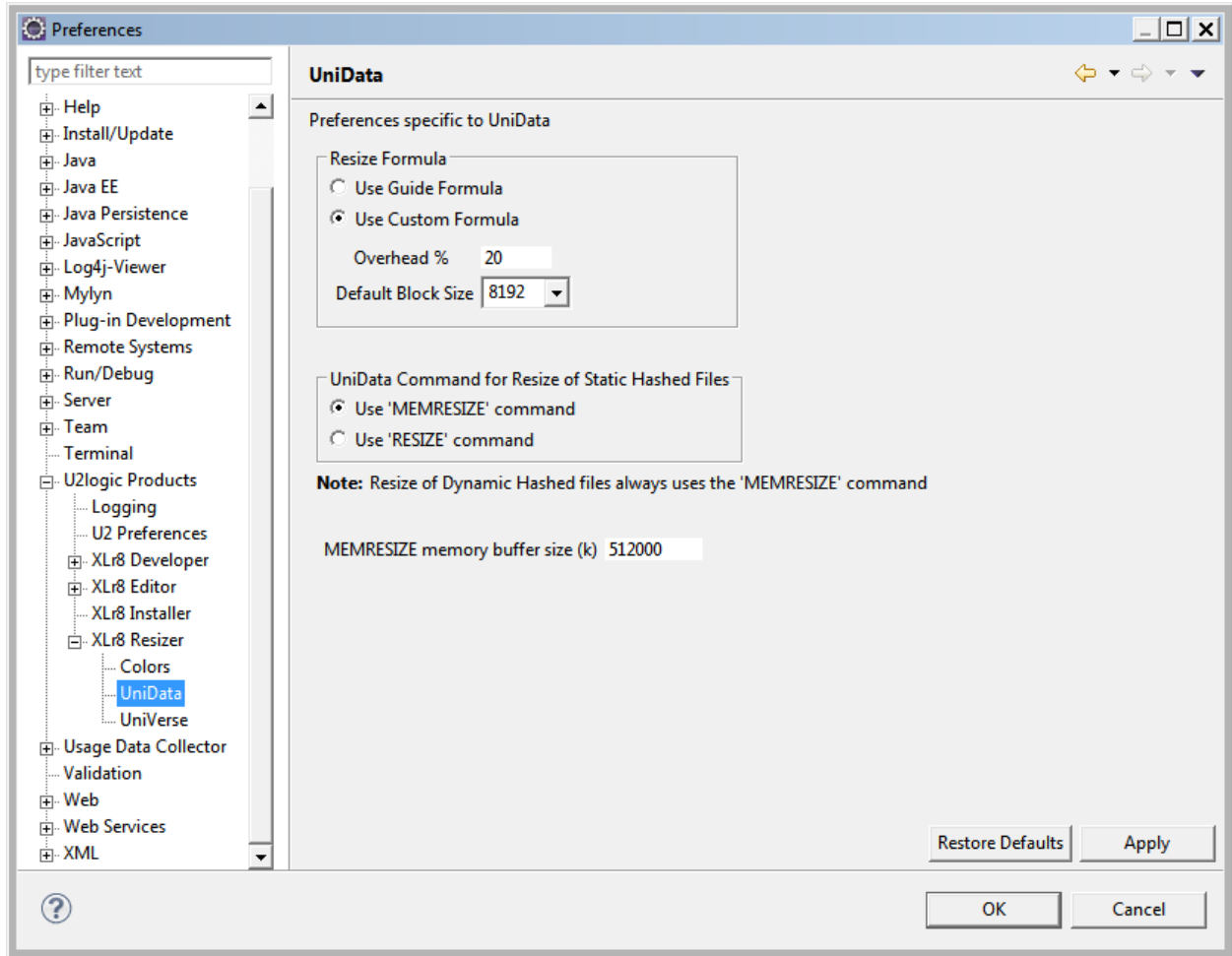
## Universe Options

In Universe you can pick from two options. You can set the overhead for Universe file system to any percentage you would like. We recommend at least 20%. The other option you can set is the default separation which we recommend to be a minimum of 8.



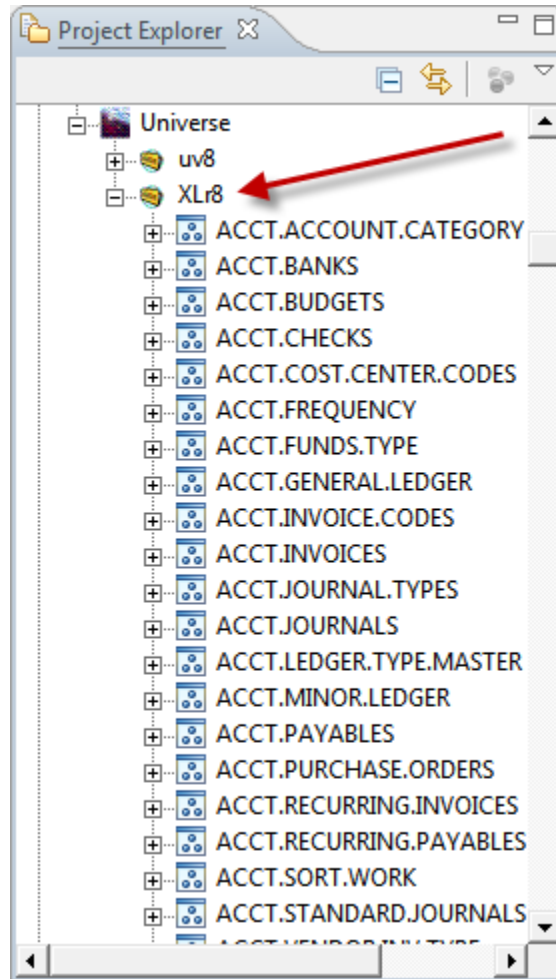
## Unidata Options

In Unidata you can pick from two main options. Your first you can let the guide utility to automatically calculate the new modulo and block size. Your second option is use a custom formula where you can control the overhead percentage and the default block size.

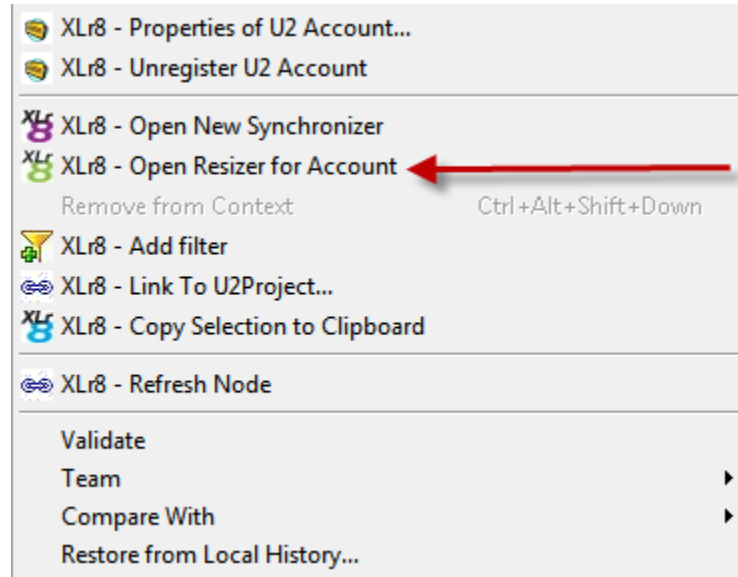


## Starting XLr8Resizer

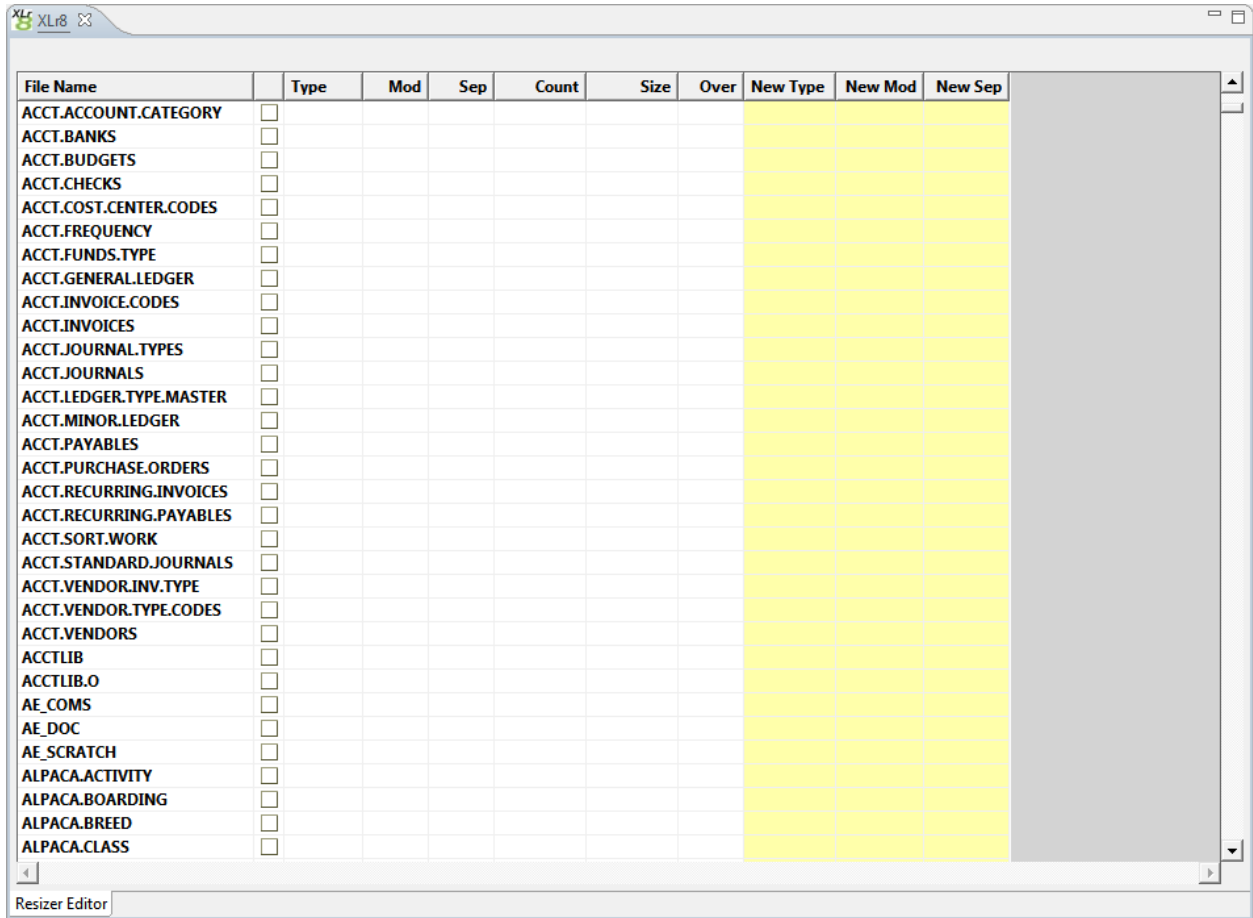
The project explorer shown with a Universe account called XLr8. Click on the account to highlight that account:



Right click on the account to get the following menu. You need to pick open Resizer for Account:



This panel will appear after all of the files have been found:



The screenshot shows the XLr8Resizer Editor window. It contains a table with the following columns: File Name, Type, Mod, Sep, Count, Size, Over, New Type, New Mod, and New Sep. The table lists various file names, each with a checkbox in the Type column. The 'New Type', 'New Mod', and 'New Sep' columns are highlighted in yellow. The window title is 'XLr8' and the status bar at the bottom says 'Resizer Editor'.

File Name	Type	Mod	Sep	Count	Size	Over	New Type	New Mod	New Sep
ACCT.ACCOUNT.CATEGORY	<input type="checkbox"/>								
ACCT.BANKS	<input type="checkbox"/>								
ACCT.BUDGETS	<input type="checkbox"/>								
ACCT.CHECKS	<input type="checkbox"/>								
ACCT.COST.CENTER.CODES	<input type="checkbox"/>								
ACCT.FREQUENCY	<input type="checkbox"/>								
ACCT.FUNDS.TYPE	<input type="checkbox"/>								
ACCT.GENERAL.LEDGER	<input type="checkbox"/>								
ACCT.INVOICE.CODES	<input type="checkbox"/>								
ACCT.INVOICES	<input type="checkbox"/>								
ACCT.JOURNAL.TYPES	<input type="checkbox"/>								
ACCT.JOURNALS	<input type="checkbox"/>								
ACCT.LEDGER.TYPE.MASTER	<input type="checkbox"/>								
ACCT.MINOR.LEDGER	<input type="checkbox"/>								
ACCT.PAYABLES	<input type="checkbox"/>								
ACCT.PURCHASE.ORDERS	<input type="checkbox"/>								
ACCT.RECURRING.INVOICES	<input type="checkbox"/>								
ACCT.RECURRING.PAYABLES	<input type="checkbox"/>								
ACCT.SORT.WORK	<input type="checkbox"/>								
ACCT.STANDARD.JOURNALS	<input type="checkbox"/>								
ACCT.VENDOR.INV.TYPE	<input type="checkbox"/>								
ACCT.VENDOR.TYPE.CODES	<input type="checkbox"/>								
ACCT.VENDORS	<input type="checkbox"/>								
ACCTLIB	<input type="checkbox"/>								
ACCTLIB.O	<input type="checkbox"/>								
AE_COMS	<input type="checkbox"/>								
AE_DOC	<input type="checkbox"/>								
AE_SCRATCH	<input type="checkbox"/>								
ALPACA.ACTIVITY	<input type="checkbox"/>								
ALPACA.BOARDING	<input type="checkbox"/>								
ALPACA.BREED	<input type="checkbox"/>								
ALPACA.CLASS	<input type="checkbox"/>								

## Tool Bar

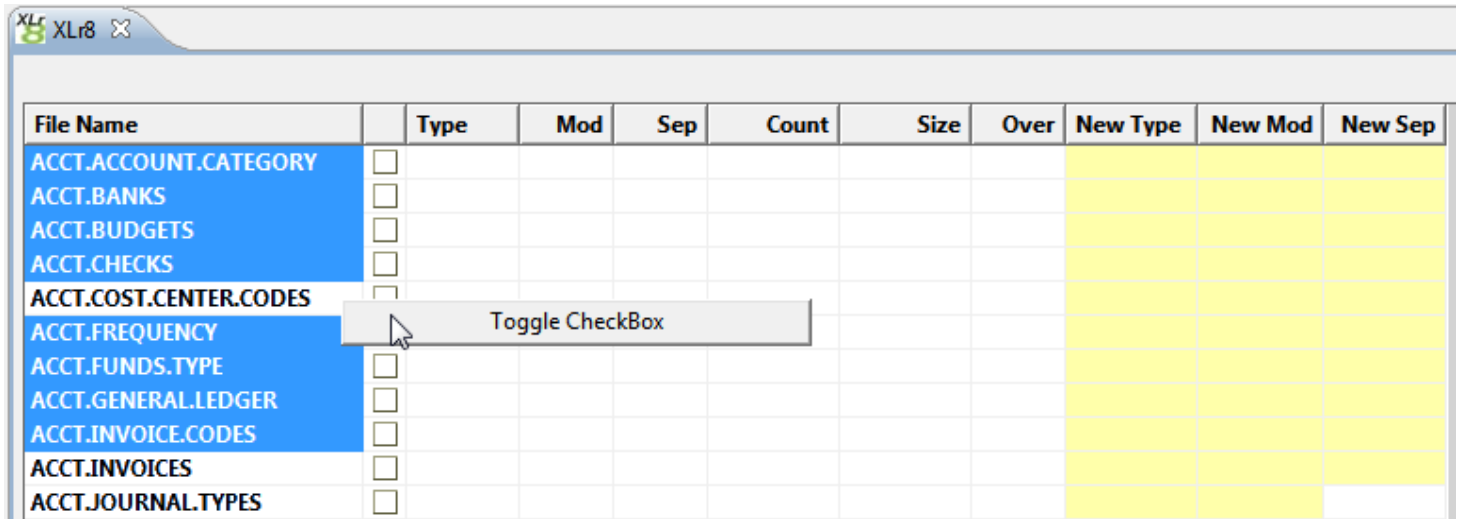
Here is the tool bar for the XLRResizer product. On the tool bar these will be you icons you will be using the above pane. The first icon from the left will select all of the files. The second icon will deselect the files. The third icon is hardly ever used but will refresh the list of files. The fourth icon will gather statistics on the files selected. The last icon will run resizing on the files listed.



- The first icon will select all of the files causing all of the files to be checked
- The second icon unselects whatever has been checked
- The third icon will clear the table entries and remove all of the historical tabs that are open
- The fourth icon will gather statistics for the files checked.
- The fifth icon will resize only the files checked and that have statistics gathered.
- The sixth icon allows you save off the resize or memresize command for the files check to a file.
- The seventh icon allows you to get statistics from history for any runs previous run.
- The eighth icon allows you to graph a file by bytes and number of records for all of the history information saved.
- The ninth icon shows all of the history saved on different tabs for all of the files you have checked up to 10 files.
- The tenth icon allows you set account level preferences. You further define either the Unidata or Universe specific preferences at the account level.

## Quick Access using Control Keys

Using standard Windows techniques you can get quick lists. For instance, holding the CTRL key and click on the mouse will get you a list. After that you can right click to get the toggle menu which will toggle the checkboxes off or on depending on their current state.



The screenshot shows a window titled 'XLR8' containing a table with the following columns: File Name, Type, Mod, Sep, Count, Size, Over, New Type, New Mod, and New Sep. The 'File Name' column lists several accounting-related categories, each with an unchecked checkbox in the 'Type' column. A context menu is open over the 'ACCT.COST.CENTER.CODES' row, displaying the option 'Toggle CheckBox'.

File Name	Type	Mod	Sep	Count	Size	Over	New Type	New Mod	New Sep
ACCT.ACCOUNT.CATEGORY	<input type="checkbox"/>								
ACCT.BANKS	<input type="checkbox"/>								
ACCT.BUDGETS	<input type="checkbox"/>								
ACCT.CHECKS	<input type="checkbox"/>								
ACCT.COST.CENTER.CODES	<input type="checkbox"/>								
ACCT.FREQUENCY	<input type="checkbox"/>								
ACCT.FUNDS.TYPE	<input type="checkbox"/>								
ACCT.GENERAL.LEDGER	<input type="checkbox"/>								
ACCT.INVOICE.CODES	<input type="checkbox"/>								
ACCT.INVOICES	<input type="checkbox"/>								
ACCT.JOURNAL.TYPES	<input type="checkbox"/>								

## Gathering Statistics

After collection statistics on the files the resize panel looks like this:

The screenshot shows the 'Resizer XLr8' application window. The main area contains a table with columns for File Name, Type, Mod, Sep, Count, Size, Over, New Type, New Mod, and New Sep. The table lists various file categories with their current and new statistics. The 'ACCT.INVOICE.CODES' row is highlighted in blue.

File Name	Type	Mod	Sep	Count	Size	Over	New Type	New Mod	New Sep
ACCT.ACCOUNT.CATEGORY	30 Dyn	263	32	176	4341760	0	30 Dyn	769	8
ACCT.BANKS	18 Hash	7	8	5	32768	0	18 Hash	7	8
ACCT.BUDGETS	30 Dyn	11657	32	122150	224706560	1845	30 Dyn	39503	8
ACCT.CHECKS	30 Dyn	4931	4	49986	10113024	5	30 Dyn	4931	8
ACCT.COST.CENTER.CODES	30 Dyn	145	4	5950	317440	8	30 Dyn	149	8
ACCT.FREQUENCY	30 Dyn	1	4	9	6144	0	30 Dyn	2	8
ACCT.FUNDS.TYPE	30 Dyn	1	4	7	6144	0	30 Dyn	2	8
ACCT.GENERAL.LEDGER	30 Dyn	90	4	2197	243712	27	30 Dyn	97	8
ACCT.INVOICE.CODES	18 Hash	1	4	18	4096	0	18 Hash	1	8
ACCT.INVOICES	30 Dyn	85	4	509	368640	40	30 Dyn	89	8
ACCT.JOURNAL.TYPES	30 Dyn	1	4	10	6144	0	30 Dyn	2	8
ACCT.JOURNALS	30 Dyn	11656	4	122151	41576448	4527	30 Dyn	11657	8
ACCT.LEDGER.TYPE.MASTER	30 Dyn	1	4	6	6144	0	30 Dyn	2	8
ACCT.MINOR.LEDGER	30 Dyn	2	4	58	8192	0	30 Dyn	2	8
ACCT.PAYABLES	30 Dyn	274	4	2497	722944	76	30 Dyn	277	8
ACCT.PURCHASE.ORDERS	30 Dyn	6	4	41	22528	3	30 Dyn	7	8
ACCT.RECURRING.INVOICES	30 Dyn	1	4	11	6144	0	30 Dyn	2	8
ACCT.RECURRING.PAYABLES	30 Dyn	1	4	1	6144	0	30 Dyn	2	8
ACCT.SORT.WORK	18 Hash	101	8	0	2899968	0	18 Hash	101	8
ACCT.STANDARD.JOURNALS	30 Dyn	39	4	472	104448	10	30 Dyn	41	8
ACCT.VENDOR.INV.TYPE	30 Dyn	1	4	4	6144	0	30 Dyn	2	8
ACCT.VENDOR.TYPE.CODES	30 Dyn	1	4	3	6144	0	30 Dyn	2	8
ACCT.VENDORS	18 Hash	1503	8	8962	6160384	0	18 Hash	1511	8
ACCTLIB	19 DIR						19 DIR		
ACCTLIB.O									
AE_COMS									
AE_DOC									
AE_SCRATCH									
ALPACA.ACTIVITY	18 Hash	1	4	0	4096	0	18 Hash	1	8
ALPACA.BOARDING	18 Hash	11	8	35	49152	0	18 Hash	11	8
ALPACA.BREED	18 Hash	1	8	2	8192	0	18 Hash	2	8
ALPACA.CLASS	18 Hash	3	8	132	16384	0	18 Hash	3	8
ALPACA.COLOR	18 Hash	3	8	154	16384	0	18 Hash	3	8

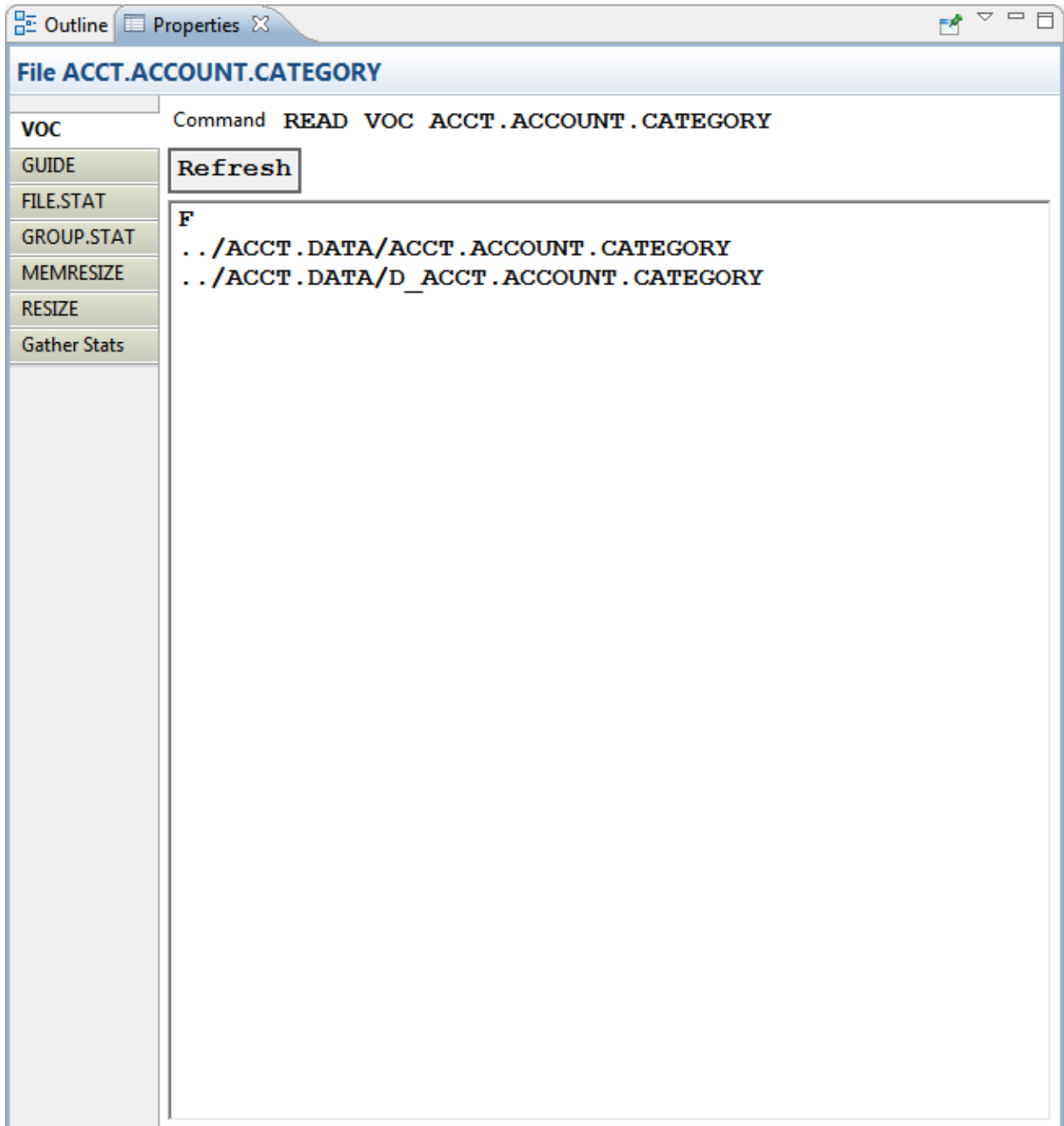
## Resizing Files

Only two files have been resized, even though statistics were gathered on more. The grayed out files with the check boxes checked have been resized.

File Name	Type	Mod	Sep	Count	Size	Over	New Type	New Mod	New Sep
&KEYSTORE&									
&MAP&									
&PARTFILES&									
&PH&									
&SAVEDLISTS&									
&UFD&									
&XML&									
ACCT.ACCOUNT.CATEGORY	30 Dyn	6421	32	176	105234432	0	30 Dyn	18503	8
ACCT.BANKS	18 Hash	7	8	5	32768	0	18 Hash	7	8
ACCT.BUDGETS	30 Dyn	119699	32	122150	1994866688	1986	30 Dyn	350663	8
ACCT.CHECKS	30 Dyn	40973	32	49986	671334400	0	30 Dyn	118033	8
ACCT.COST.CENTER.CODES	30 Dyn	149	32	5950	2473984	0	30 Dyn	439	8
ACCT.FREQUENCY	30 Dyn	47	32	9	802816	0	30 Dyn	149	8
ACCT.FUNDS.TYPE	30 Dyn	13	32	7	245760	0	30 Dyn	47	8
ACCT.GENERAL.LEDGER	30 Dyn	293	32	2197	4833280	0	30 Dyn	853	8
ACCT.INVOICE.CODES	18 Hash	1	8	18	8192	0	18 Hash	2	8
ACCT.INVOICES	30 Dyn	89	32	510	1933312	21	30 Dyn	347	8
ACCT.JOURNAL TYPES									
ACCT.JOURNALS									
ACCT.LEDGER.TYPE.MASTER									
ACCT.MINOR.LEDGER									
ACCT.PAYABLES									
ACCT.PURCHASE.ORDERS									
ACCT.RECURRING.INVOICES									
ACCT.RECURRING.PAYABLES									
ACCT.SORT.WORK									
ACCT.STANDARD.JOURNALS									
ACCT.VENDOR.INV.TYPE									
ACCT.VENDOR.TYPE.CODES									
ACCT.VENDORS									
ACCTLIB									
ACCTLIB.O									

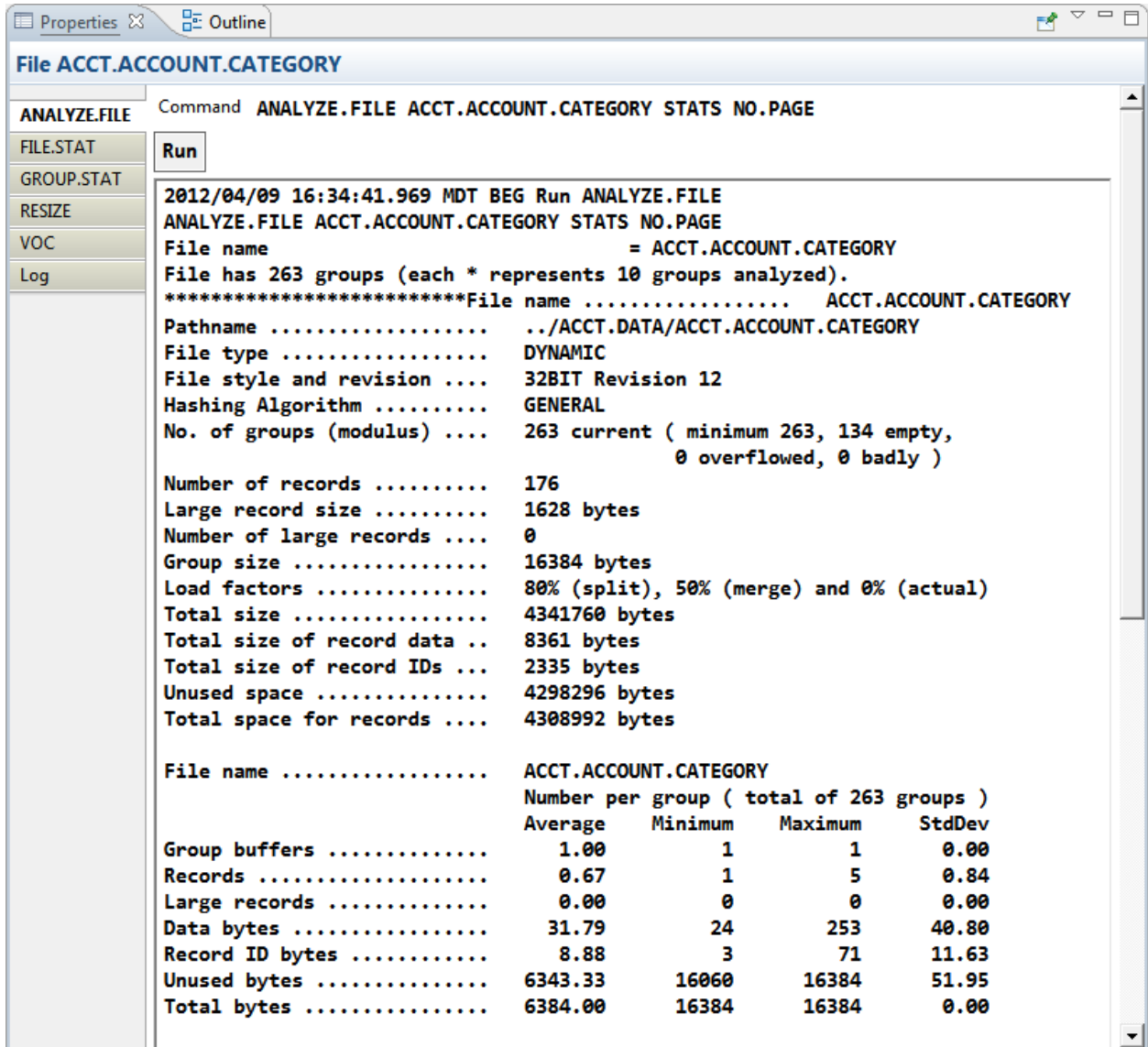
## VOC Properties Tab

The first tab is the VOC entry for that illustrates a file that is not located in this account:



## Analyze File Tab

This second tab is from the properties tab uses the ANALYZE.FILE command:



## File Statistics Tab

The next tab show the data from the FILE.STAT command:

The screenshot shows a software window titled "File ACCT.BANKS" with a sidebar on the left containing menu items: ANALYZE.FILE, FILE.STAT (selected), GROUP.STAT, RESIZE, VOC, and Log. The main area displays the output of the FILE.STAT command for the file ACCT.BANKS. The output includes file metadata, statistical averages, and a progress table.

```

Command FILE.STAT ACCT.BANKS
Run
2012/04/09 16:38:09.351 MDT BEG Run FILE.STAT
FILE.STAT ACCT.BANKS
File name                = ACCT.BANKS
File type                 = 18
File style and revision   = 32BIT Revision 12
Number of groups in file (modulo) = 7
Separation                = 8
Number of records         = 5
Number of physical bytes  = 32768
Number of data bytes      = 572

Average number of records per group = 0.7143
Average number of bytes per group   = 81.7143
Minimum number of records in a group = 0
Maximum number of records in a group = 2

Average number of bytes per record   = 114.4000
Minimum number of bytes in a record  = 68
Maximum number of bytes in a record  = 168

Average number of fields per record  = 22.0000
Minimum number of fields per record  = 22
Maximum number of fields per record  = 22

Groups  25%   50%   75%  100%  125%  150%  175%  200% full
        7     0     0     0     0     0     0     0

2012/04/09 16:38:09.697 MDT END Run FILE.STAT
    
```

## Group Statistics Tab

The next tab shows the output from the GROUP.STAT command:

Command **GROUP.STAT ACCT.BANKS NO.PAGE**

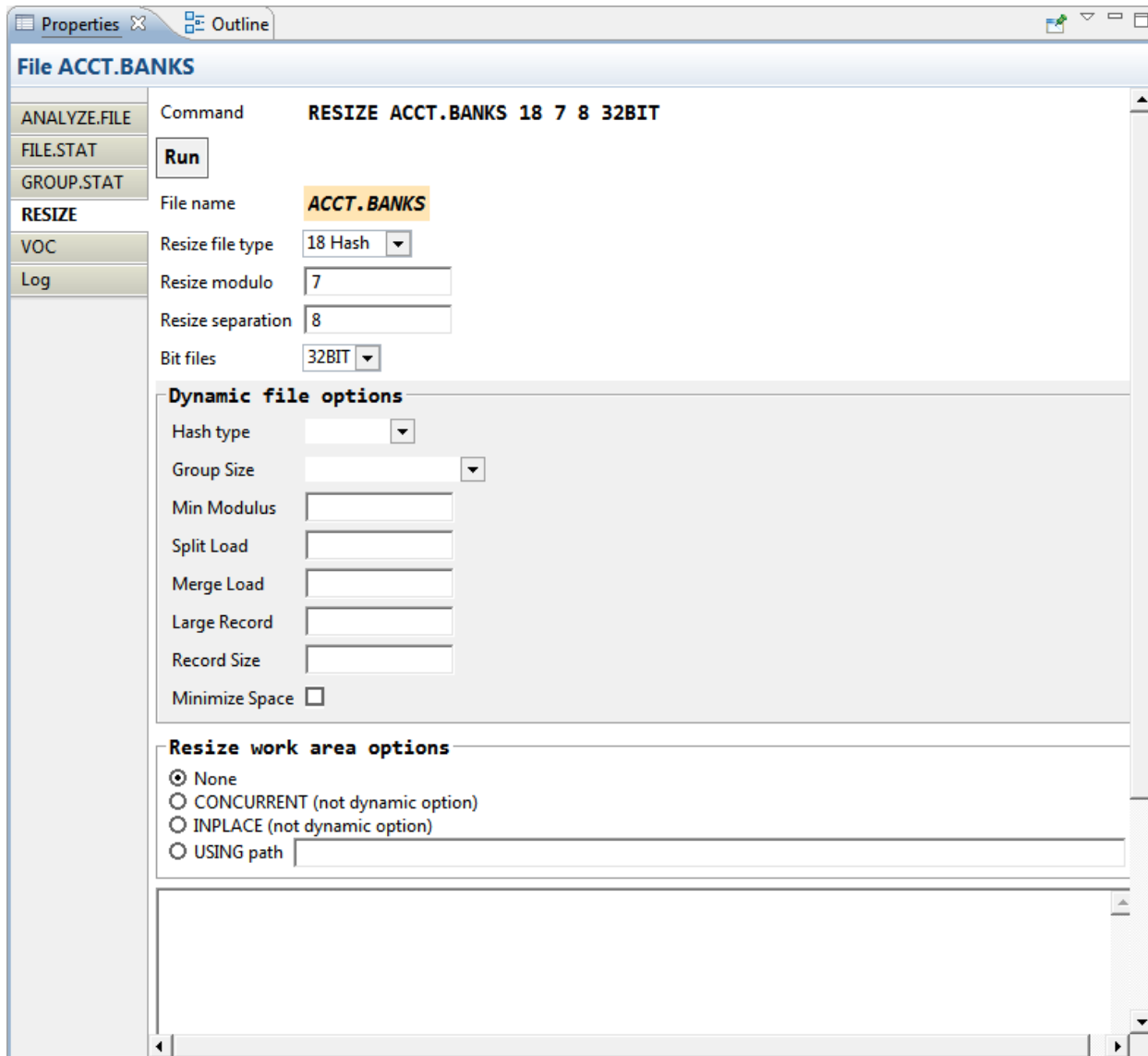
**Run**

```

2012/04/09 16:38:52.522 MDT BEG Run GROUP.STAT
GROUP.STAT ACCT.BANKS NO.PAGE
Type description= Hashed, entire keys are full range of ASCII characters.
Bytes  Records      File= ACCT.BANKS  Modulo= 7  Sep= 8  Type= 18
  0         0
 68        1 >
136        1 >
  0         0
168        1 >
200        2 >>
  0         0
=====
 572        5 Totals
  81         0 Averages per group
  79         0 Standard deviation from average
 96.7       0.0 Percent std dev from average
2012/04/09 16:38:52.989 MDT END Run GROUP.STAT
    
```

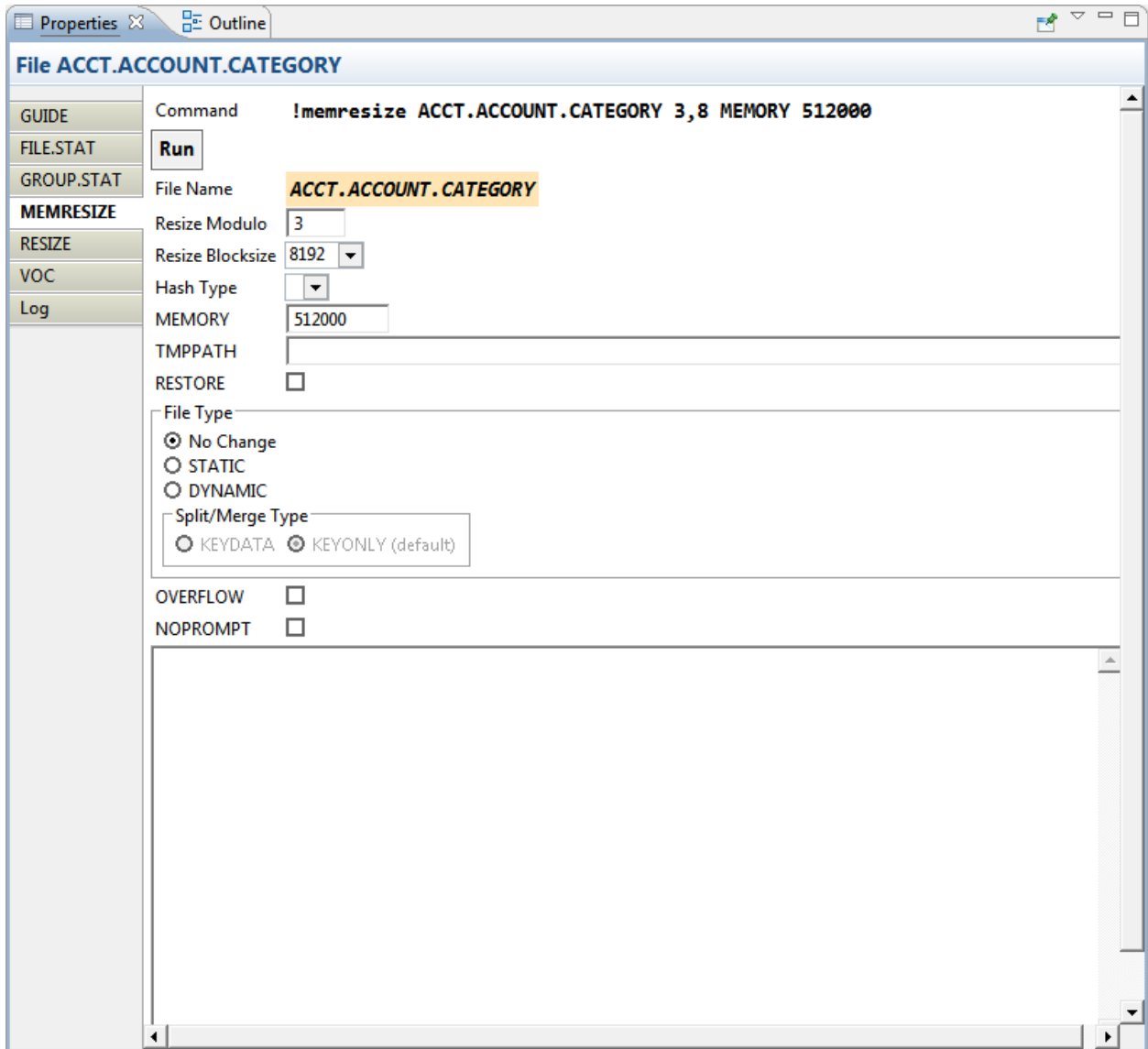
## Universe Resize Tab

The next tab is for resizing a file one at a time. This tab has all of the options available to resize this file. This is the Universe version of the resize command:



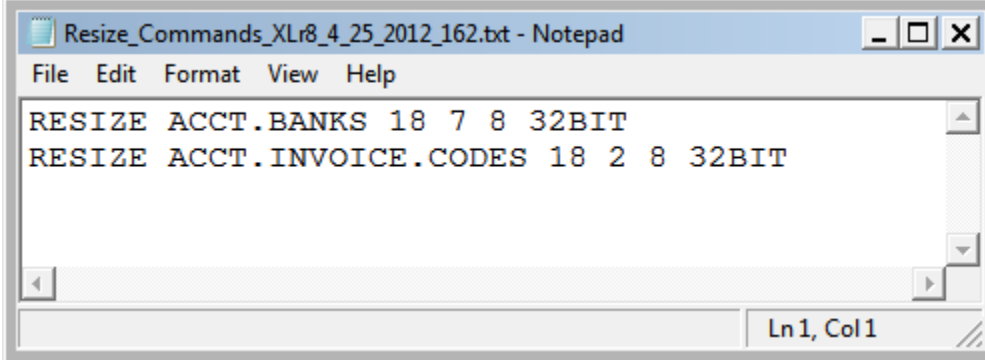
## Unidata Memresize Tab

If the files are from a Unidata account there is an additional tab called memresize:



## Saving Commands Option

After you have gathered statistics you can save off the commands that would be normally run into a file. This file can be download and used in any script. This example is commands for a Universe database.

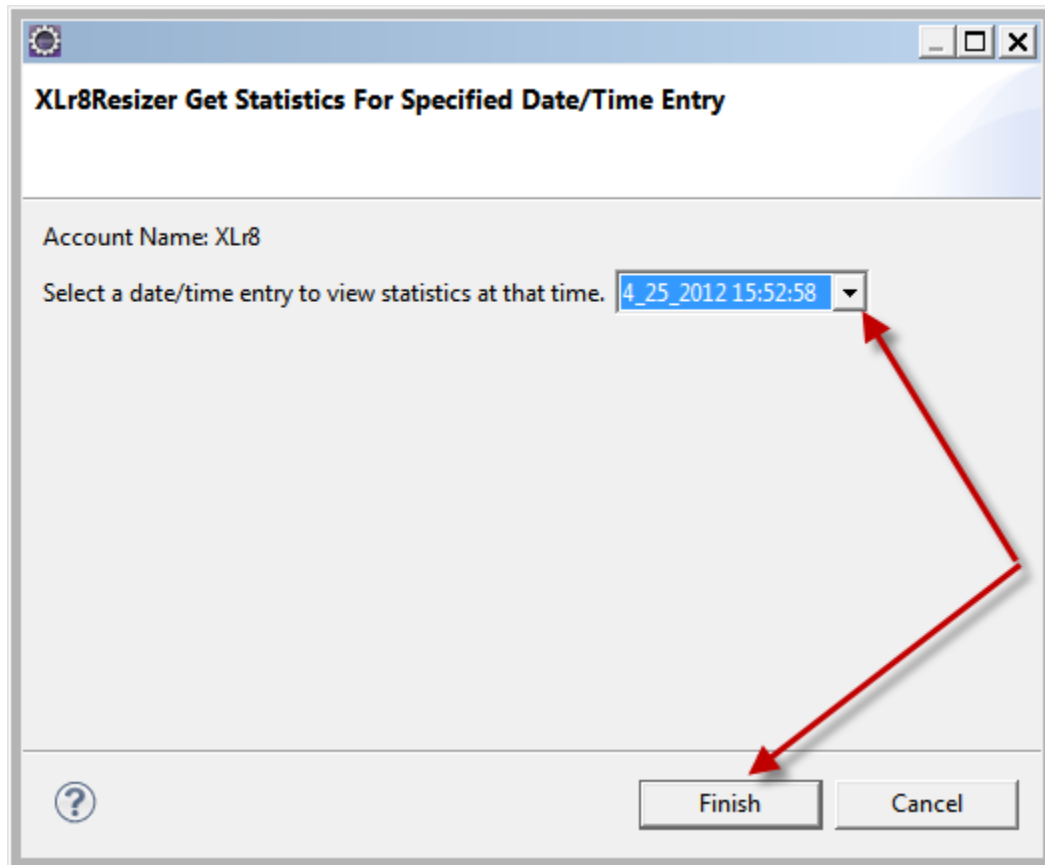


The image shows a Notepad window titled "Resize\_Commands\_XLR8\_4\_25\_2012\_162.txt". The window contains two lines of text: "RESIZE ACCT.BANKS 18 7 8 32BIT" and "RESIZE ACCT.INVOICE.CODES 18 2 8 32BIT". The status bar at the bottom right indicates "Ln 1, Col 1".

```
Resize_Commands_XLR8_4_25_2012_162.txt - Notepad
File Edit Format View Help
RESIZE ACCT.BANKS 18 7 8 32BIT
RESIZE ACCT.INVOICE.CODES 18 2 8 32BIT
Ln 1, Col 1
```

## Loading prior Statistics from History

If you click on the green floppy drive icon that says “Save Resize Commands for Selected File” then the following wizard will appear. You then pick from the wizard which day and time statistics you would like see.



## Prior Statistics Load Display

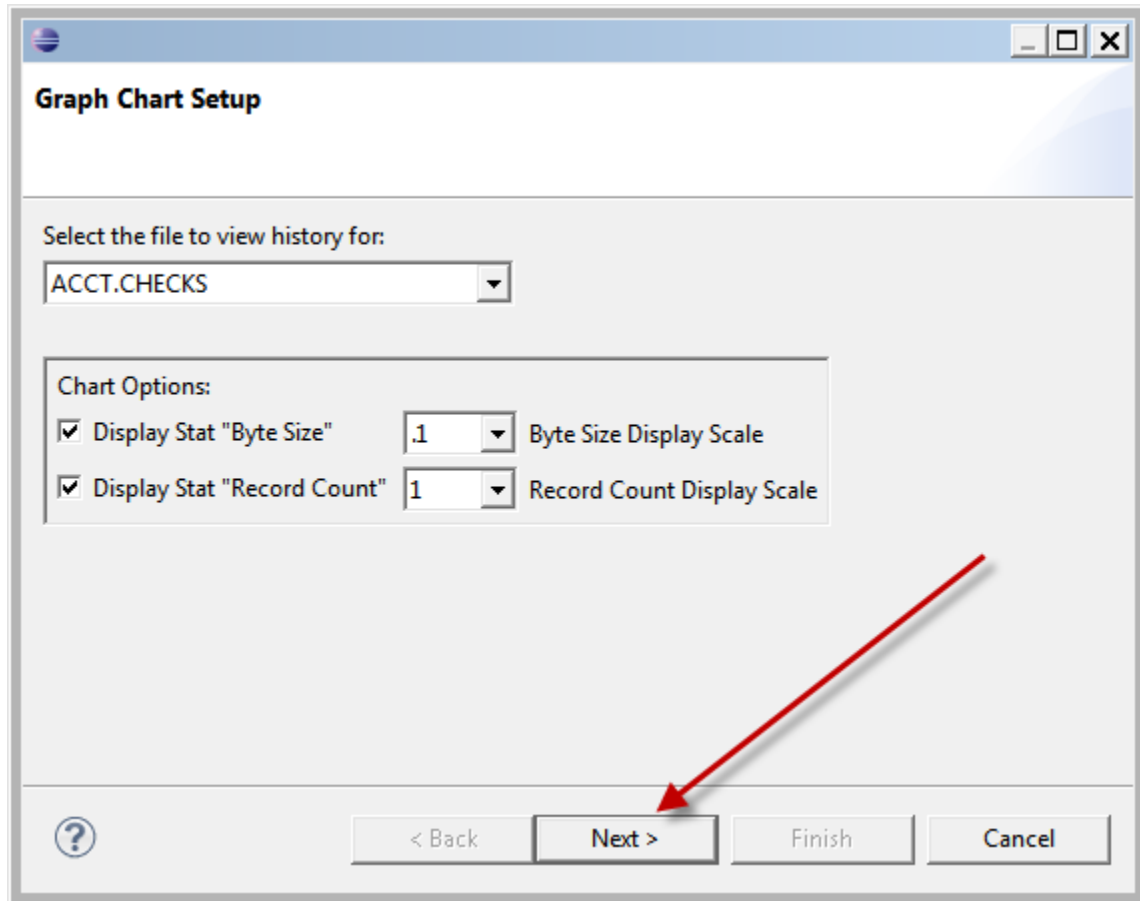
Below is an example of prior statistics that can be load via the wizard.

Statistics for Date and Time: 5/16/2012 17:7:23

File Name	Type	Mod	Sep	Count	Size	Over	New Type	New Mod	New Sep
&COMO&	<input type="checkbox"/>								
&DEVICE&	<input type="checkbox"/>								
&HOLD&	<input type="checkbox"/>								
&KEYSTORE&	<input type="checkbox"/>								
&MAP&	<input type="checkbox"/>								
&PARTFILES&	<input type="checkbox"/>								
&PH&	<input type="checkbox"/>								
&SAVEDLISTS&	<input type="checkbox"/>								
&UFD&	<input type="checkbox"/>								
&XML&	<input type="checkbox"/>								
ACCT.ACCOUNT.CATEGORY	<input checked="" type="checkbox"/> 30 Dyn	163	32	176	2703360	0			
ACCT.BANKS	<input checked="" type="checkbox"/> 18 Hash	7	8	6	32768	0			
ACCT.BUDGETS	<input checked="" type="checkbox"/> 30 Dyn	119699	32	122150	1994866...	1986			
ACCT.CHECKS	<input checked="" type="checkbox"/> 30 Dyn	40009	32	49986	6555402...	0			
ACCT.COST.CENTER.CODES	<input checked="" type="checkbox"/> 30 Dyn	149	32	5950	2473984	0			
ACCT.FREQUENCY	<input checked="" type="checkbox"/> 30 Dyn	47	32	9	802816	0			
ACCT.FUNDS.TYPE	<input checked="" type="checkbox"/> 30 Dyn	13	32	7	245760	0			
ACCT.GENERAL.LEDGER	<input checked="" type="checkbox"/> 30 Dyn	293	32	2197	4833280	0			
ACCT.INVOICE.CODES	<input type="checkbox"/>								
ACCT.INVOICES	<input type="checkbox"/>								
ACCT.JOURNAL.TYPES	<input type="checkbox"/>								

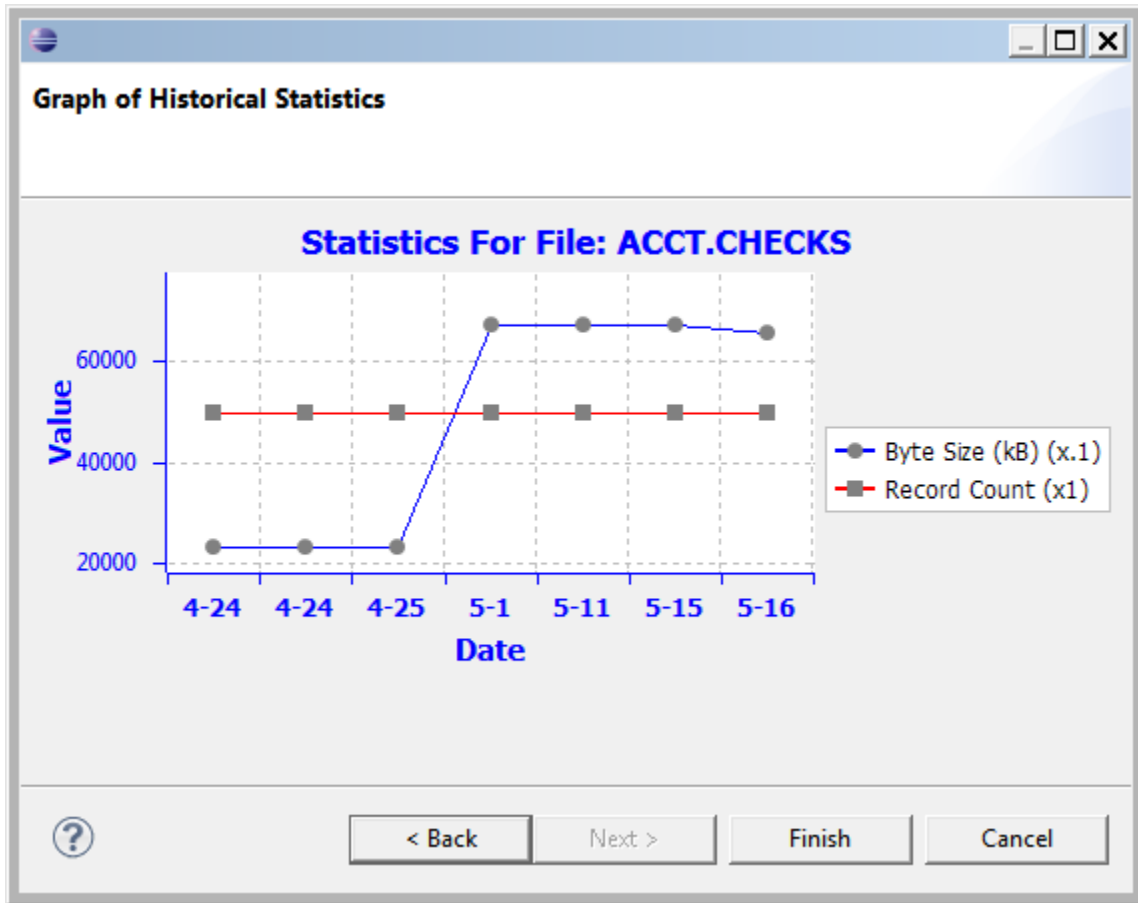
## Graphing Wizard

Using the wizard you can pick any file to graph either total bytes or number of records or both. You may have to adjust the scaling to get the line graph to fit. After you have picked your file and the other criteria press the next button:



## Graph

As you can see here the number of bytes had to be scaled to show against the number of records. You can expand the graph using the mouse. You can press the Back button to pick a different file and to change your scaling options.



## Historical Grid Picking

After you check off up to 10 files, then you press the grid icon and the following tab will appear. It should be noted that you can click on ">>2" to see the additional 2 tabs not shown in this example.

Statistics for Date and Time: 5/16/2012 17:7:23

File Name	Type	Mod	Sep	Count	Size	Over	New Type	New Mod	New Sep
&COMO&	<input type="checkbox"/>								
&DEVICE&	<input type="checkbox"/>								
&HOLD&	<input type="checkbox"/>								
&KEYSTORE&	<input type="checkbox"/>								
&MAP&	<input type="checkbox"/>								
&PARTFILES&	<input type="checkbox"/>								
&PH&	<input type="checkbox"/>								
&SAVEDLISTS&	<input type="checkbox"/>								
&UFD&	<input type="checkbox"/>								
&XML&	<input type="checkbox"/>								
ACCT.ACCOUNT.CATEGORY	<input checked="" type="checkbox"/> 30 Dyn	163	32	176	2703360	0			
ACCT.BANKS	<input checked="" type="checkbox"/> 18 Hash	7	8	6	32768	0			
ACCT.BUDGETS	<input checked="" type="checkbox"/> 30 Dyn	119699	32	122150	1994866...	1986			
ACCT.CHECKS	<input type="checkbox"/> 30 Dyn	40009	32	49986	6555402...	0			
ACCT.COST.CENTER.CODES	<input checked="" type="checkbox"/> 30 Dyn	149	32	5950	2473984	0			
ACCT.FREQUENCY	<input checked="" type="checkbox"/> 30 Dyn	47	32	9	802816	0			
ACCT.FUNDS.TYPE	<input checked="" type="checkbox"/> 30 Dyn	13	32	7	245760	0			
ACCT.GENERAL.LEDGER	<input checked="" type="checkbox"/> 30 Dyn	293	32	2197	4833280	0			
ACCT.INVOICE.CODES	<input type="checkbox"/>								
ACCT.INVOICES	<input type="checkbox"/>								
ACCT.JOURNAL.TYPES	<input type="checkbox"/>								
ACCT.JOURNALS	<input type="checkbox"/>								
ACCT.LEDGER.TYPE.MASTER	<input type="checkbox"/>								
ACCT.MINOR.LEDGER	<input type="checkbox"/>								
ACCT.PAYABLES	<input type="checkbox"/>								
ACCT.PURCHASE.ORDERS	<input type="checkbox"/>								
ACCT.RECURRING.INVOICES	<input type="checkbox"/>								
ACCT.RECURRING.PAYABLES	<input type="checkbox"/>								
ACCT.SORT.WORK	<input type="checkbox"/>								
ACCT.STANDARD.JOURNALS	<input type="checkbox"/>								
ACCT.VENDOR.INV.TYPE	<input type="checkbox"/>								
ACCT.VENDOR.TYPE.CODES	<input type="checkbox"/>								
ACCT.VENDORS	<input type="checkbox"/>								

Resizer Editor: A... ACCT.ACCOUNT.CATE... ACCT.BANKS History ACCT.BUDGETS History ACCT.COST.CENTER... ACCT.FREQUENCY Hi... >>2

## Historical Grid Display

After you click, in this case the ACCT.ACCOUNT.CATEGORY file tab you will see this information for all of the history stored.

Resize Historical Statistics For File ACCT.ACCOUNT.CATEGORY

Date/Time	Type	Mod	Sep	Count	Size	Over
4-25-2012 8:25:13	30 Dyn	2221	32	176	36421632	0
4-28-2012 20:22:35	30 Dyn	6421	32	176	105234432	0
4-28-2012 20:24:16	30 Dyn	6421	32	176	105234432	0
4-28-2012 20:25:1	30 Dyn	53	32	176	901120	0
4-30-2012 19:52:4	30 Dyn	53	32	176	901120	0
4-30-2012 19:53:36	30 Dyn	53	32	176	901120	0
5-1-2012 8:17:23	30 Dyn	53	32	176	901120	0
5-1-2012 8:18:9	30 Dyn	53	32	176	901120	0
5-11-2012 8:3:57	30 Dyn	53	32	176	901120	0
5-11-2012 8:5:5	30 Dyn	53	32	176	901120	0
5-11-2012 8:7:27	30 Dyn	53	32	176	901120	0
5-14-2012 8:25:7	30 Dyn	53	32	176	901120	0
5-14-2012 8:25:11	30 Dyn	53	32	176	901120	0
5-14-2012 8:25:14	30 Dyn	53	32	176	901120	0
5-14-2012 8:25:16	30 Dyn	53	32	176	901120	0
5-14-2012 8:25:18	30 Dyn	53	32	176	901120	0
5-14-2012 8:25:21	30 Dyn	53	32	176	901120	0
5-14-2012 8:26:14	30 Dyn	53	32	176	901120	0
5-15-2012 16:37:45	30 Dyn	53	32	176	901120	0
5-16-2012 17:7:23	30 Dyn	163	32	176	2703360	0

Resizer Editor: A... ACCT.ACCOUNT.CATE... ACCT.BANKS History ACCT.BUDGETS History ACCT.COST.CENTER.... ACCT.FREQUENCY Hi... »2

## Preferences at the Account Level

You can have preferences at the account level. This adds more granularities to your resizing process and gives more flexibility.

