

REDTHREECONSULTING



Presentation

Red Three Consulting

MRLUG – Objects, Attributes, Lists

February 27, 2007

REDTHREECONSULTING



The Necessary Edge™

About Red Three

Red Three provides Lawson application and technical consulting services with a focus on making the most of your existing investment. We specialize in "Real Support", excellent training and getting data out of your system by the best means possible.

REDTHREECONSULTING



The Necessary Edge™

About You

- **What version are you on?**
- **What platform are you on?**
- **Are you using Portal or LID?**
- **Which applications are you using?**



This Session – User Request

- **Why this session:**
 - This can be confusing
 - Give an overview but then focus on a practical case study.
 - We'll be on line for most of the time but will provide screen shots later.

REDTHREECONSULTING



The Necessary Edge™

Agenda

- **Definitions**
- **Examples**
 - Simple
 - Report Writer Case Study



Object Attribute Element List

- **Objects – are basic things that you like to group together in Lawson, including Acct units, activities, accounts, vendors, etc. For financial reporting, acct units and accounts are the most useful. For this exercise we'll be focusing on accounts. Other objects include accounting units, activities, customers, etc.**



Object Attribute Element List

- **Attributes are different ways of describing those objects. Attributes can both be defined by Lawson and user defined. For example, Lawson Defined attributes for accounts include Summary Accounts, Units allowed, etc.**



Object Attribute Element List

- **Elements simply tell you how big your attribute can be.**
- **Attribute Values are the value assigned to a given object for an attribute**
- **Lists are collections of objects assembled manually or based upon attribute values.**



Example

- **Elimination Accounts**
- **RW100 example**
- **Complete List of All for a type (important)**
- **Assigning Default Values**



RW100

- **Create an attribute in MX00.1**
- **Add it to the object.**
- **Create a list of all objects of that type.**
- **Assign your default value (MX500) to all objects.**
- **Assign individual values (GL00->GL00.3->GL16.4)**
- **Create a list for each value.**
- **Put the lists in your sheet.**
- **Create a list for the default values – see what's missing**



Checklist

- **List for All Objects of the type.**
- **List for all objects with the default value**
- **List for each individual value.**



There are three sections to this document:

- A review of creating an attribute and assigning values.
- Useful reports to run.
- Key file relations for printing out lists.

Creating an attribute and assigning values.

1. Create an attribute in MX00.1
 You can set up specific valid values as a double check. For example, I'm planning having six rows in my financial statement (with possible expansion). So I created six values leaving plenty of room for additional detail as things evolve.
 Value ZZZ will be default – telling me what hasn't been assigned to a particular line in this file.

The screenshot shows the 'Lawson - Attribute (MX00.1)' window. The menu bar includes File, Edit, Options, Field, Actions, Subforms, Window, and Help. The toolbar contains various icons and a dropdown menu set to '[Inquire]'. The main form area displays the following fields:

- Attribute: ROW123
- Attribute Type: User Type
- Column Heading: Row att
- Element Name: USER FIELD/ALPHA 10
- Objects: Alpha 10
- Position To: (empty field)

Below the form is a table with the following data:

FC	From Value	Through Value	Description
<input type="checkbox"/>	100	100	First Row
<input type="checkbox"/>	200	200	Second Row
<input type="checkbox"/>	300	300	Third Row
<input type="checkbox"/>	400	400	Fourth Row
<input type="checkbox"/>	500	500	Fifth Row
<input type="checkbox"/>	600	600	Sixth Row
<input type="checkbox"/>	ZZZ	ZZZ	Default Value
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			



4. Assign a default value to every object. This way you can see every account which is not assigned to a row yet. Note: You should run this job every time you add accounts. This way, every account will have a default value.

Lawson - Attribute Value Population (MX500)

File Edit Options Field Actions Subforms Window Help

Submit Reports Job Sched Print Mgr

Job Name: MX50081T

Job Description: Attribute Value Population

User Name: ajacobso Adam Jacobson

Data Area/ID: PRO081T

Parameters

Object Type: ACCNT Account

Attribute: ROW123 Attribute For Row File

Assign Value: ZZZ

To List: ALL all accounts

Overwrite Existing Values: No

Job Changed

5. Assign appropriate values to each account.
In my six row world, I'd assign 100, 200, 300, etc.

To do this

Go to GL00.1

Go to an account screen.

Click an attribute button.

Assign a value for that account

Or Click by attribute and assign values to many accounts.



Here's GL00.1 – The chart. Choose any line with detail accounts attached.

Lawson - Chart of Accounts (GL00.1)

File Edit Options Field Actions Subforms Window Help

[Inquire]

Section: Income Statement

New Chart Preview System Accounts Position To:

FC	Sum	Account	Description	Depth			
<input type="checkbox"/>		SALARIES	SALARIES	§	Accounts *	More	Att
<input type="checkbox"/>		STAFFFEES	STAFFING FEE	§	Accounts *	More	Att
<input type="checkbox"/>		SELLING	SELLING EXPENSE	§	Accounts *	More	Att
<input type="checkbox"/>		PROF	PROFESSIONAL FEES	§	Accounts *	More	Att
<input type="checkbox"/>		S&A	GENERAL AND ADMINISTRATIVE	§	Accounts *	More	Att
<input type="checkbox"/>		ALLOCATION	ALLOCATED ACCOUNTS	§	Accounts *	More	Att
<input type="checkbox"/>		TAXES	TAX EXPENSE	∅	Accounts *	More	Att
<input type="checkbox"/>		OTHER	OTHER INCOME	∅	Accounts *	More	Att
<input type="checkbox"/>		INTEREST	INTEREST INCOME	∅	Accounts *	More	Att
<input type="checkbox"/>		FOREIGN EXCH	FOREIGN CURRENCY EXCHANGE	∅	Accounts *	More	Att
<input type="checkbox"/>						More	Att
<input type="checkbox"/>						More	Att

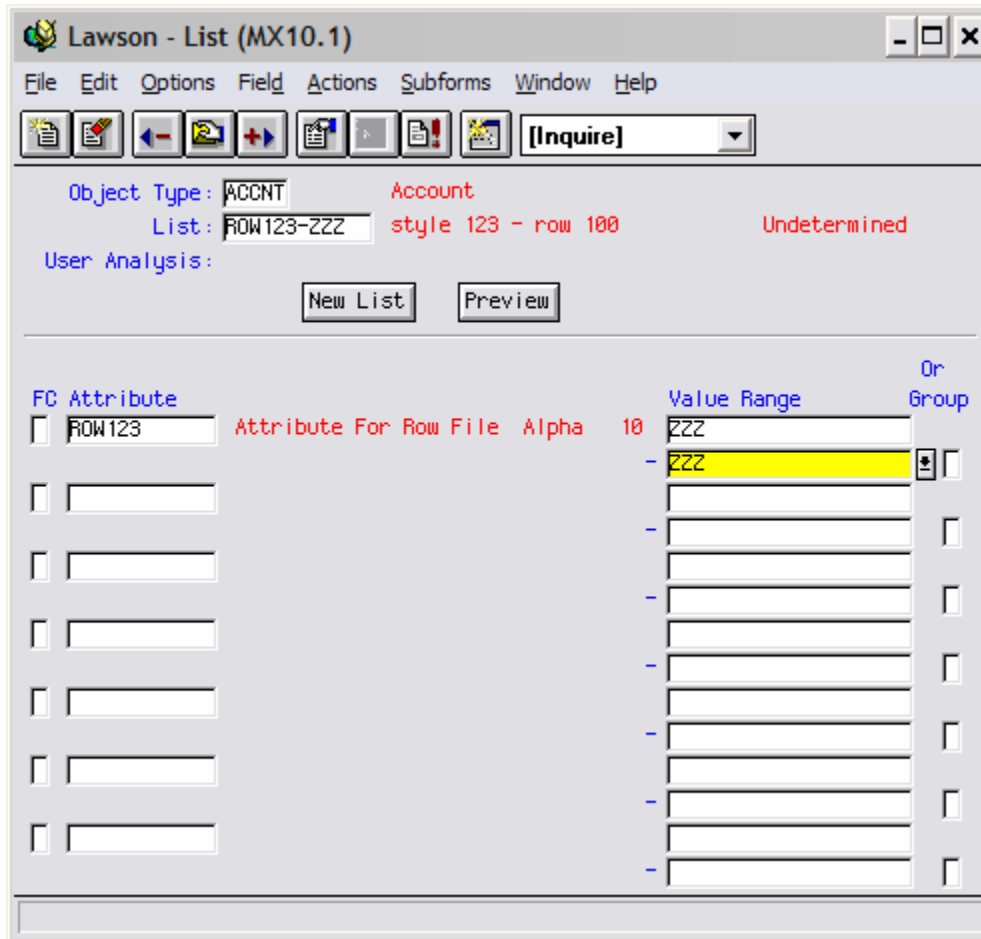
Values are not defined for required attributes



Detail Account Values by Attributes (GL16.4)			
File Edit Options Field Actions Window Help			
		[Inquire]	
Attribute: 80W123		Attribute For Row File Alpha 10 Not Required	
Position To: <input type="text"/> <input type="text"/>			
Chart	Account		Value
DF KING FIRM	8034 9999 PROF SUPP & MAINT-DIRECT CA		
DF KING FIRM	8035 PROF SUPPORT & MAINT-(GLOBA		100
DF KING FIRM	8035 9999 PROF SUPPORT & MAINT-(GLOBA		
DF KING FIRM	8040 MACHINE RENTALS & EQUIP LEA		100
DF KING FIRM	8040 1 PROXY SUPPORT SERVICES		200
DF KING FIRM	8040 9999 MACHINE RENTALS & EQUIP LEA		
DF KING FIRM	8041 MACHINE RENTAL-(GLOBAL)		200
DF KING FIRM	8041 9999 MACHINE RENTAL- (GLOBAL)CAS		
DF KING FIRM	8042 OFFICE UTILITIES		400
DF KING FIRM	8042 9999 OFFICE UTILITIES-CASH BASIS		
DF KING FIRM	8043 OFFICE SECURITY		400
DF KING FIRM	8043 9999 OFFICE SECURITY-CASH BASIS		

Change Complete - Continue

- Build a list for the default value – this will help you track anything that's been unassigned.



FC Attribute	Value Range	Or Group
<input type="checkbox"/> ROW123	Attribute For Row File Alpha 10	ZZZ
<input type="checkbox"/>	-	
<input type="checkbox"/>	-	
<input type="checkbox"/>	-	
<input type="checkbox"/>	-	
<input type="checkbox"/>	-	
<input type="checkbox"/>	-	
<input type="checkbox"/>	-	
<input type="checkbox"/>	-	
<input type="checkbox"/>	-	

So, now you can use the row lists for report writer and check on ZZZ for anything that's not assigned. You can also move accounts easily between rows.

Useful Reports:

- To rebuild lists – MX123 (instead of clicking preview).
- To show the members of a list – MX223 – List Member Listing

File relations

To get the members of a list:
MXLISTMBR (DBIFMLM) holds all the list member regardless of object type.



It has four fields

OBJ_TYPE

MATRIX_LIST

SEQ_NUMBER

OBJ_ID

You need to join to the appropriate file by obj_id to get the specific object information.

For ACCNT (accounts)

MXLISTMBR.OBJ_ID = GLCHARTDTL.OBJ_ID

For ACCTU (account records)

MXLISTMBR.OBJ_ID = GLNAMES.OBJ_ID

For ACTVY (Activity)

MXLISTMBR.OBJ_ID = ACACTIVITY.OBJ_ID

And so on.