



the **Lawson** **Guru** **Letter**

Thought-Provoking Commentary for the Lawson Software community

Lawson South West User Group

Lawson Excel Add-Ins

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Decision Analytics
October 2004

Agenda

- Who Am I?
- Using the Microsoft Add-Ins
- Power Techniques
- Questions?

The LawsonGuru Letter



- Monthly Newsletter
 - Read & Subscribe:
<http://www.danalytics.com/guru/letter/>
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- Web:
 - <http://www.danalytics.com>

Lawson Experience

- *Over 15 years of consulting experience in the IT industry*
- *Consulting spans multiple industries:*
 - Professional Services
 - Government Contractors
 - Supply Chain/Distribution
 - Healthcare (Hospitals, PPOs, HMOs, etc.)
- *Dozens of varied clients*
 - Multiple suites/modules
 - Variety of industries/environments/platforms
- *Work w/ Lead Adopters*
- *“Specialized Generalist”*
- *“Relationship Manager”*
- *Breadth vs. Depth*
- *CIO: “I bring John in not only to implement something, I bring him in to tell me WHAT to implement, WHY to implement it, and HOW to implement it.”*

Information Systems Management

- *Architecture Analysis and Planning*
- *Systems Procurement Planning / Execution*
- *Data Conversion*
- *Systems/DBA Services*
- *Database Modeling/Design*
- *Business Analysis / Process Re-Engineering*
- *Disaster Recovery Planning*
- *Project Control and Management*

Specialties/Offerings

Application Integration

- *Lawson Interface Development*
 - Inbound/Outbound
 - Realtime/Batch
- *Lawson Business Component Integrator (BCI)*
 - Mercator Enterprise Broker
- *Lawson Development Environments*
- *VB/COM+/ActiveX/SQL*
 - Streamlined VB/COM/ActiveX Components for Lawson integration
- *Formscape (Forms Printing)*
- *Crystal Reports / Crystal Enterprise*
- *Knowledge transfer/training and technical mentoring*

Specialties/Offerings

Business Application Development/Lawson Customization

- *Deep knowledge of Lawson applications, business logic, and architectures*
- *Lawson Development Environments*
 - COBOL
 - SEA Modifications (HTML & JavaScript)
 - Open Component Extensions (JavaScript and ActiveX)
 - Portal Design Studio
- *Visual Studio/SQL*
- *Technical mentoring for developers on Lawson's tools*
- *Efficiency analysis/critical process redevelopment*
- *Complementary Products:*
 - DecisionReporter
 - DecisionCubeIT
 - SpeedApplyAR



Excel Add-Ins and their uses

- Query Wizard
 - Add-hoc Analysis
 - Simple Operational Reports
 - Query records for import into other systems
- Upload Wizard
 - Upload Transactions from non-Lawson systems
 - Mass change records where programs don't exist
 - Examples:
 - Setup Code Maintenance
 - Employee / Web User synchronization
 - One-Time Deductions
 - Journal Entries
 - Use together with Query Wizard for extra functionality
 - Without using FTP or Lawson ENV utilities



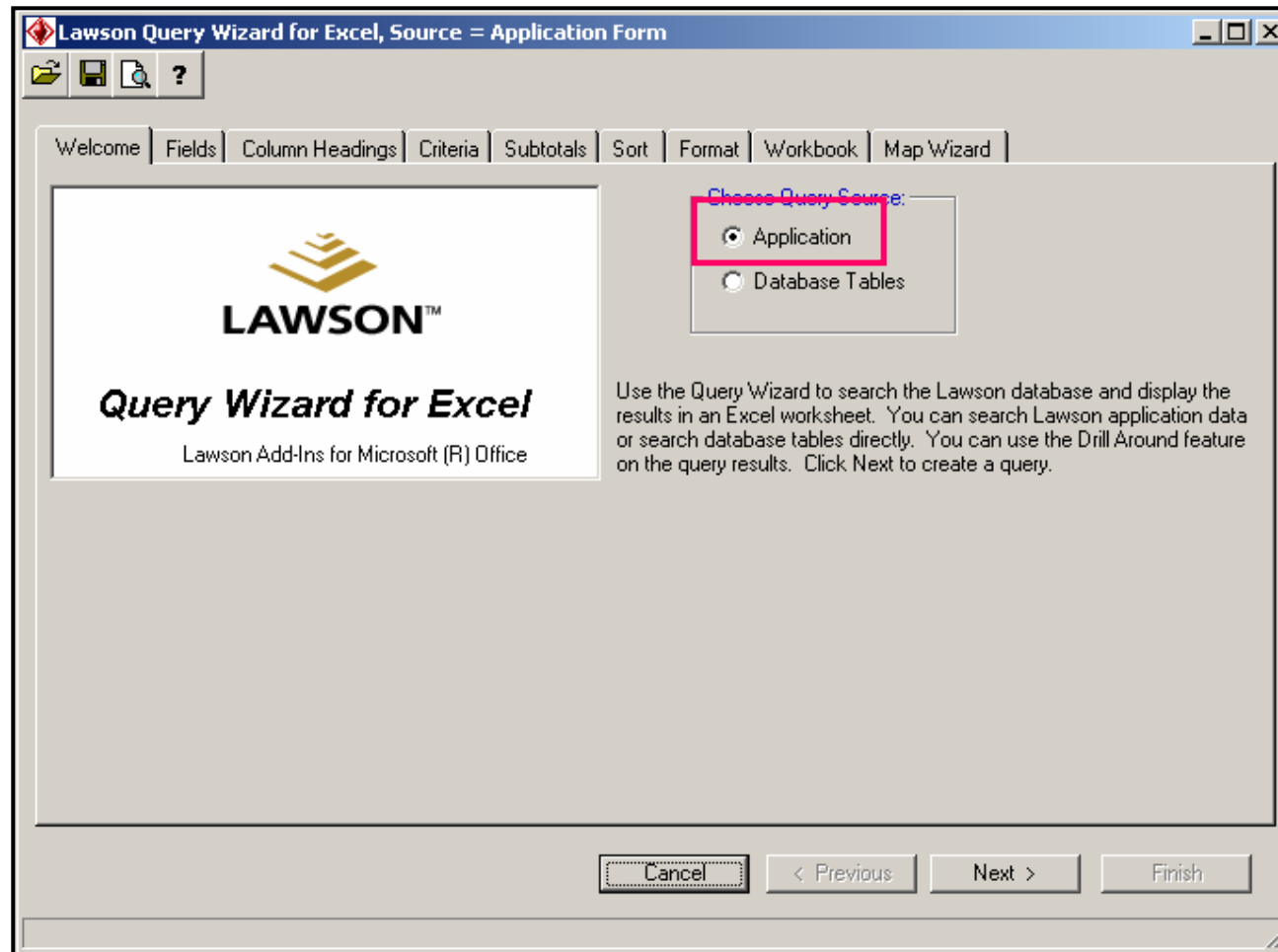
Lawson's Add-Ins open new opportunities

- By far, I see clients using the Excel Add-In to fill two voids:
 - Quick “data dump” reports
 - Transactional and Reference
 - Data Conversion & Interfaces
 - Replacing CSV & Flat File Uploads
 - “Occasional” interfaces

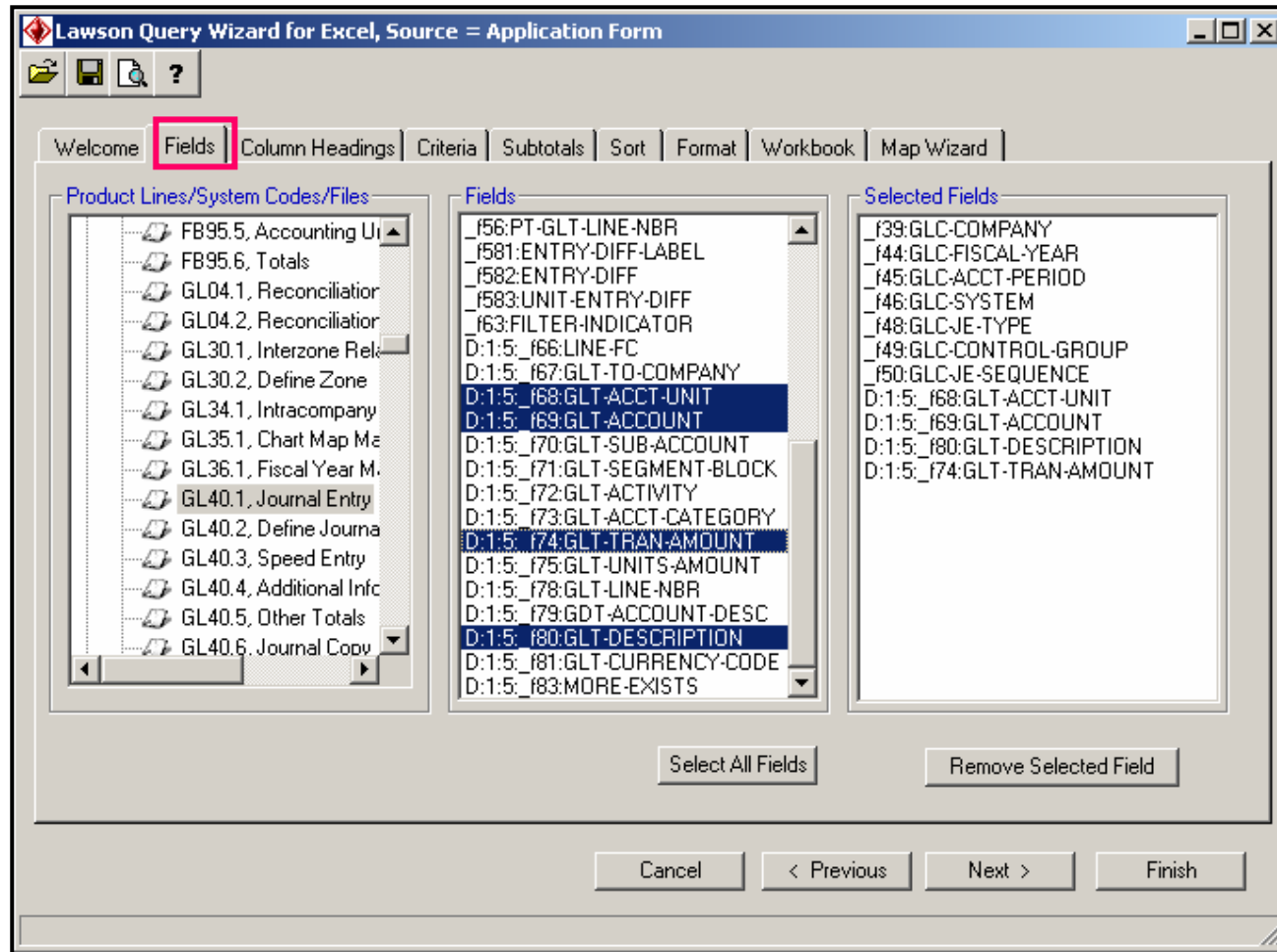
Query Wizard – Excel Add-in

- Quickly create a custom report or chart
 - Based on information in a Lawson form or database table
- Use Query Wizard to select data for a report based on a Lawson
 - Database table
 - Form
- Use Excel to
 - Format the report
 - Produce charts
 - Produce the report

Query Wizard – Application Option



Query based on a Form



Select Data for the Report

Lawson Query Wizard for Excel, Source = Application Form

Welcome | Fields | Column Headings | **Criteria** | Subtotals | Sort | Format | Workbook | Map Wizard

Application Settings

Maximum # of records to return: 10

Set Key Field Values

Field	Value
_f39:GLC-COMPANY	4321
_f44:GLC-FISCAL-YEAF	2001
_f45:GLC-ACCT-PERIOD	10,11
_f46:GLC-SYSTEM	

Clear Key Values

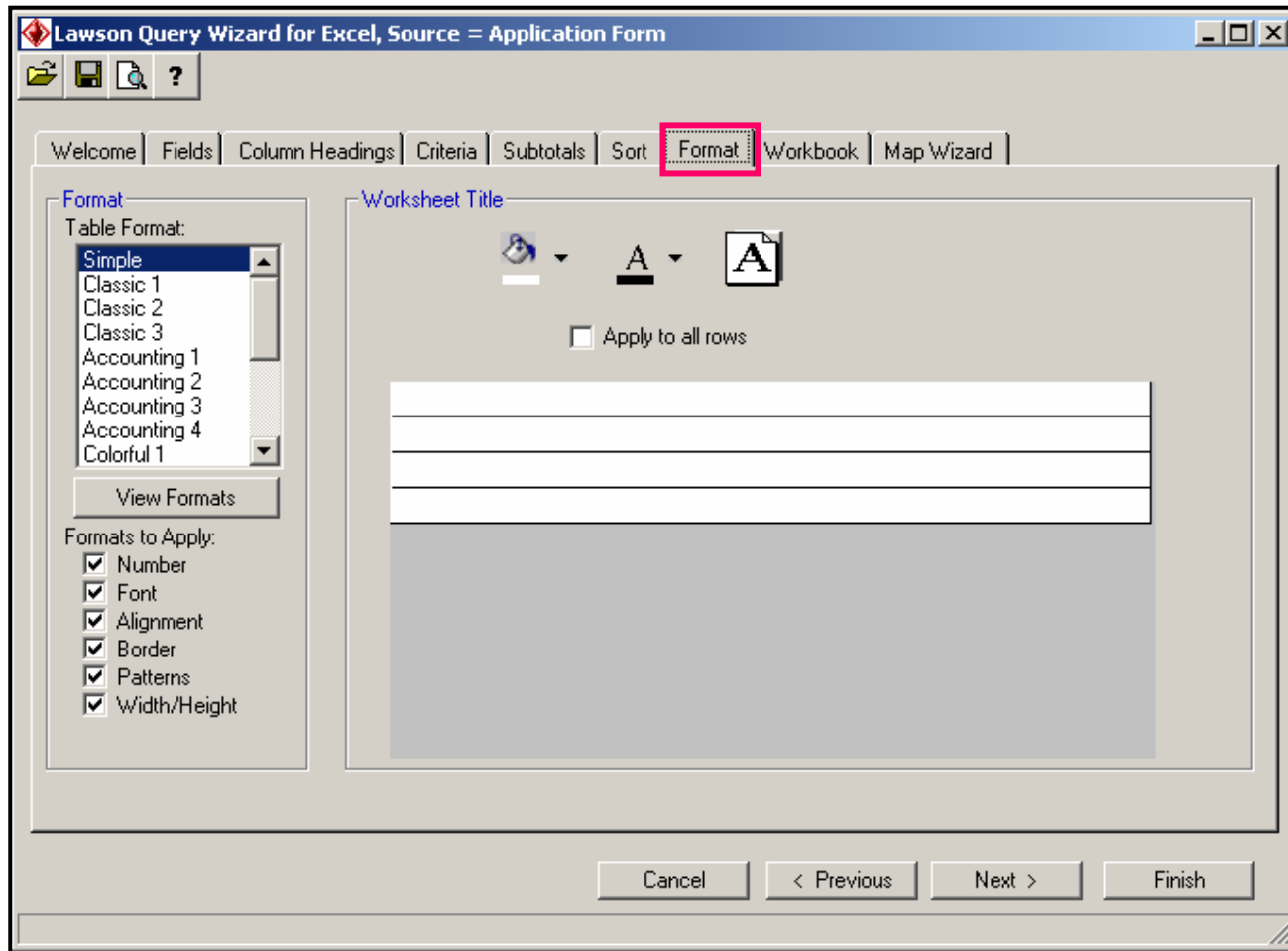
Set Field Filter Values

Field	Value
_f39:GLC-COMPANY	
_f44:GLC-FISCAL-YEAF	
_f45:GLC-ACCT-PERIOD	
_f46:GLC-SYSTEM	
_f48:GLC-JE-TYPE	
_f49:GLC-CONTROL-GR	
_f50:GLC-JE-SEQUENC	
D:1:5;_f68:GLT-ACCT-L	

Clear Filter Values

Cancel < Previous Next > Finish

Format the Query



Produce a Chart

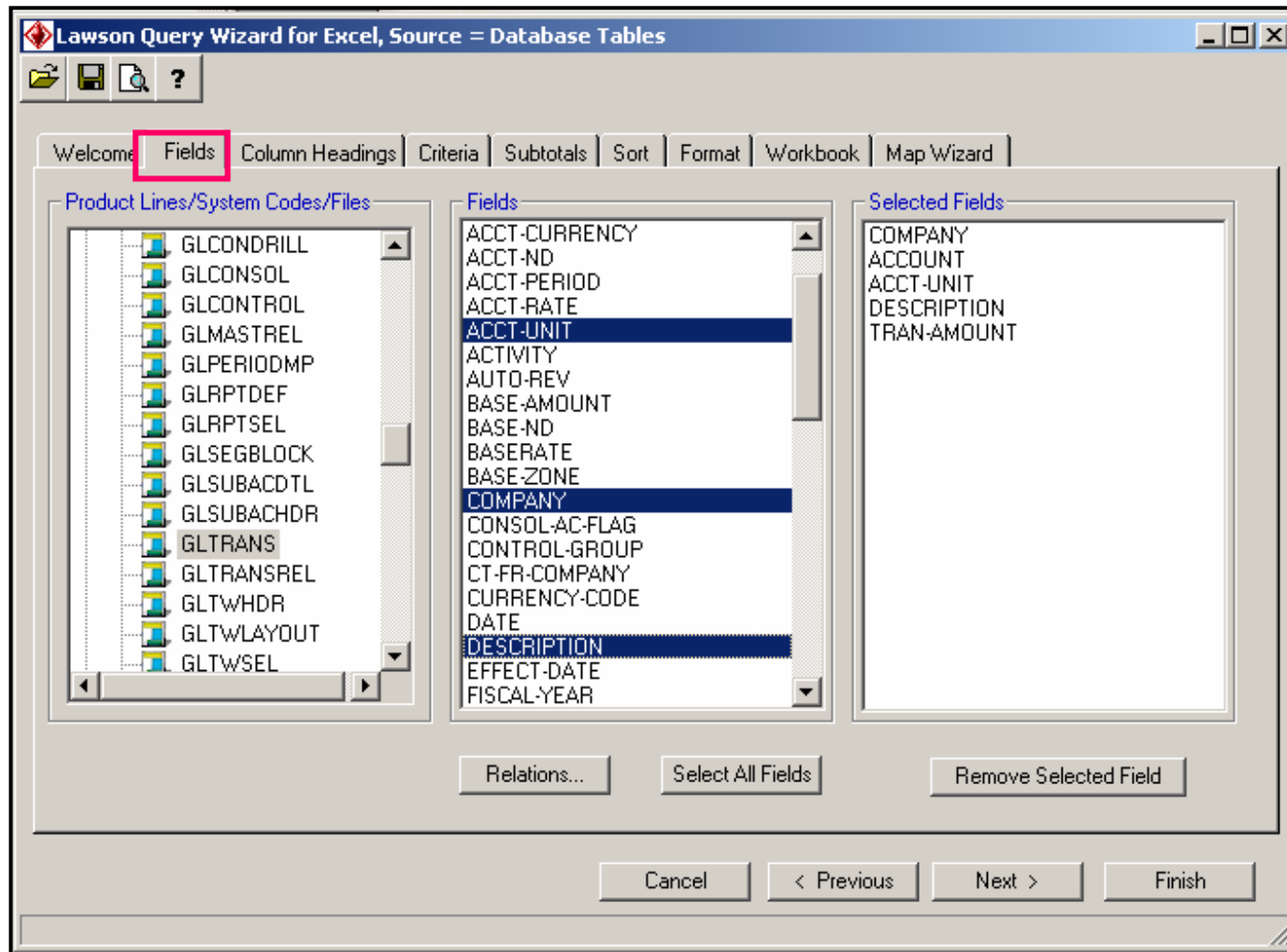
The screenshot shows Microsoft Excel with a data table and the Chart Wizard dialog box open. The data table has the following columns: GLC.ACCT-PERIOD, GLC.SYSTEM, GLC.JE-TYPE, TROD:1:5:GLT-ACCT-UNIT, D:1:5:GLT-ACCOUNT, D:1:5:GLT-DESCRIPTION, and D:1:5:GLT-TRAN-AMOUNT. The Chart Wizard dialog box is titled "Chart Wizard - Step 1 of 4 - Chart Type" and shows "Column" as the selected chart type. The "Chart sub-type" section displays several options, including "Clustered Column, Compares values across categories." The dialog box also includes a "Press and Hold to View Sample" button and "Cancel", "< Back", "Next >", and "Finish" buttons.

	C	D	E	F	H	I	J	K
	GLC.ACCT-PERIOD	GLC.SYSTEM	GLC.JE-TYPE	TROD:1:5:GLT-ACCT-UNIT	D:1:5:GLT-ACCOUNT	D:1:5:GLT-DESCRIPTION	D:1:5:GLT-TRAN-AMOUNT	
1								
2		11 GL	N	1 601	41600	Cash Sales - Restaurant	-4200	
3		11 GL	N			loral	-1000	
4		11 GL	N			Gifts	-1500	
5		11 GL	N			Rest & Gift Shop	6700	
6		11 GL	N					
7		11 GL	N			venue - Hospital	52260000	
8		11 GL	N			diagnostic	-530000	
9		11 GL	N			GYN	-8130000	
10		11 GL	N			gery	-9750000	
11		11 GL	N			nal Medicine	-2120000	
12		11 GL	N			of Inventory	-54900	
13		11 GL	N			- inventory	11500	
14		11 GL	N			- inventory	22000	
15		11 GL	N			- inventory	18000	
16		11 GL	N			- inventory	3400	
17		11 GL	N			advert exp	-49000	
18		11 GL	N			advert exp	12000	
19		11 GL	N			advert exp	14000	
20		11 GL	N			advert exp	11500	
21		11 GL	N			advert exp	11500	
22		11 GL	N			ll Expenses	1500	
23		11 GL	N			ll Expenses	2500	
24		11 GL	N			ll Expenses	3000	
25		11 GL	N			ll Expenses	4000	
26		11 GL	N			ll Expenses	35750	
27		11 GL	N	7 101	55000	Accrued Utilities	100	

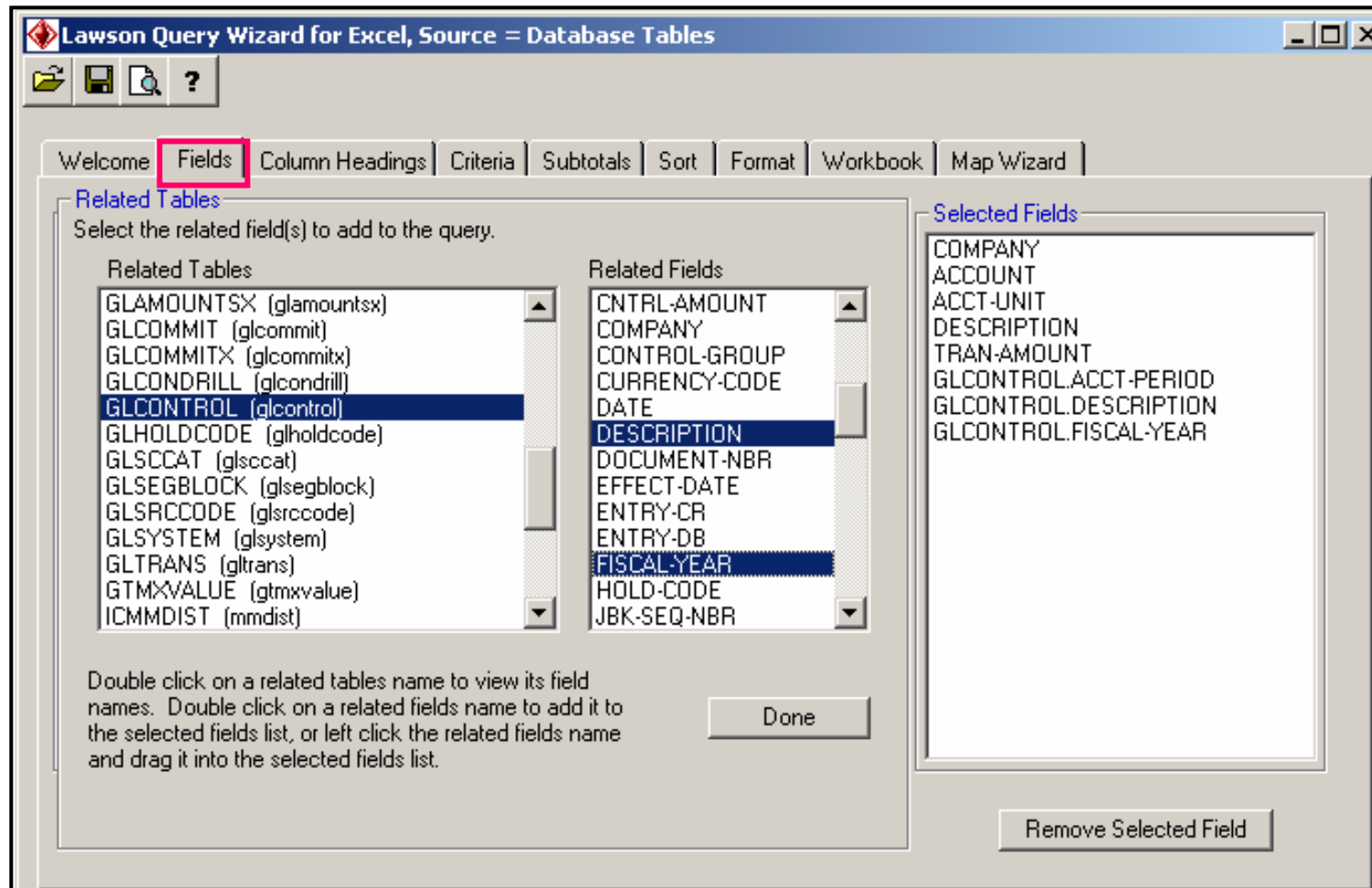
Query Wizard – Database Option



Query on Transaction Detail (GLTRANS)



Related Tables



Select Data for the Report

Lawson Query Wizard for Excel, Source = Database Tables

Welcome | Fields | Column Headings | **Criteria** | Subtotals | Sort | Format | Workbook | Map Wizard

Table Settings

Indexes

Index	Index Key	Key Value
GLTSET1	TO-COMPANY	4321
GLTSET2	FISCAL-YEAR	2002
GLTSET3	ACCT-PERIOD	10
GLTSET6	ACCT-UNIT	
GLTSET7	ACCOUNT	
GLTSET8		

Conditions

- ACTIVITY
- ACTIVITY-EXIST
- AC-TRANS
- ADBTRANS
- AM-TRANS
- AP-BE-TRANS
- AP-TRANS

Max # of DME Records to Return: 600

To add multiple index key values, separate by a semi-colon. To add a range of values, separate by ->.

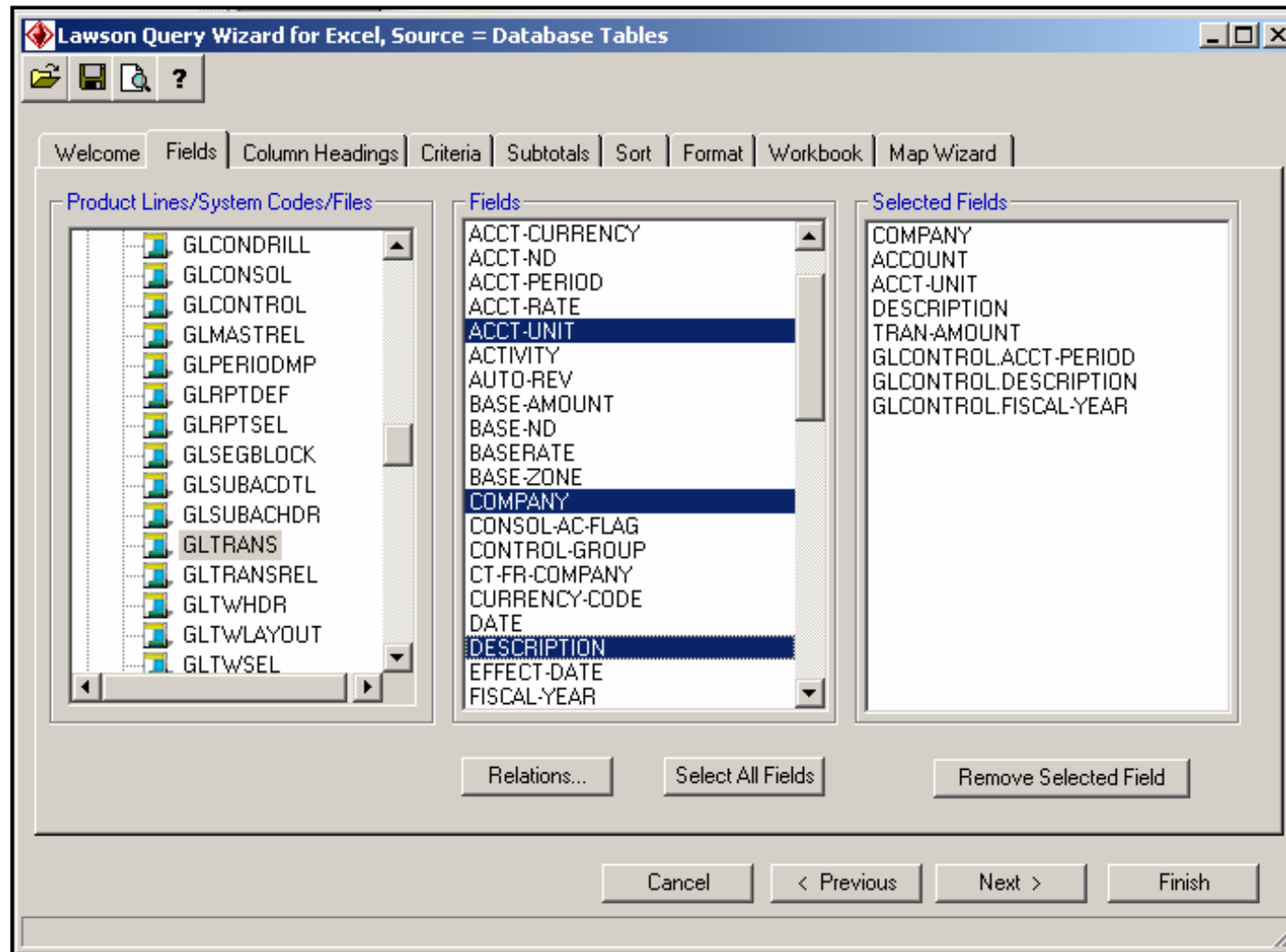
Selection Criteria

And | TRAN-AMOUNT | > | 100

Display Sample Data for Selection

Conjunction	Field	Operand	Criteria
	STATUS	=	POSTED
And	TRAN-AMOUNT	>	100

Completed Query



Benefits of Upload Wizard

- Compared to manual entry:
 - Efficiency
- Compared to Lawson conversions:
 - Much simpler process
 - Don't need to use FTP or Lawson ENV utilities
 - Std conversions don't exist for all database tables
- Compared to custom conversions:
 - Cost effective
 - No technical knowledge required
- Compared to importing:
 - Much more user-friendly
 - Field validation and messaging

Options for Loading Data

- Manual entry on application form
- Standard conversion program delivered by Lawson (not available for all data)
- Custom conversion program developed by 3rd party resource
- Importing records with Lawson environment utility
- Excel Upload Wizard (Microsoft Office Add-in)

Upload Wizard

- Format Excel spreadsheet to match Lawson table
 - Spreadsheet must contain all required fields
- Upload data from Excel into Lawson
 - Use to add or change records
 - Can upload data from selected rows and columns

Upload Wizard

1. Determine data to upload
 - a. Determine online form(s) to be used as the basis for the upload
2. Determine the required fields on the form
 - a. Determine field numbers
3. Create Excel worksheet
4. Map worksheet to Lawson form
5. Upload data
6. Verify data
 - a. Update Lawson database tables (if uploading to a conversion file)



Determine Field Numbers

Lawson TRANSACTION INTERFACE MAINTENANCE (GL65.1)

Run Group:

Position To:

FC	Seq	Co	Organization Code	Account Code	User Analysis
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description: Reference:

Amount: Currency: Base Rate:

Base Amount: Auto Rvs: Post Date:

To Co Amt: System: Trans Date:

Units Amt: Program: Effect Date:

Document: Activity: Neg Adj:

Jrnl Book: Jrnl Seq Nbr: Source Code:

Attributes Rpt Curr

Description: Reference:

Amount: Currency: Base Rate:

Base Amount: Auto Rvs: Post Date:

To Co Amt: System: Trans Date:

Units Amt: Program: Effect Date:

Document: Activity: Neg Adj:

Jrnl Book: Jrnl Seq Nbr: Source Code:

Attributes Rpt Curr

GTR-SEQ-NUMBER | Id=_f5r0 | Name=DT0 | Size=6 | KNb=*RGS* | Type=text | Edit=numeric | Parent=DT0

GTR-SEQ-NUMBER | Id=_f5r0 | Name=DT0 | Size=6 | KNb=*RGS* | Type=text | Edit=numeric | Parent=DT0



Create Excel worksheet and map to Lawson form

Microsoft Excel - Journal Entry Upload-CUE.xls

File Edit View Insert Format Tools **Lawson** Data Window Eggsbase Help

Query Wizard
Upload Wizard

Run Group	Seq #	Org Code (Old Company)	Acct Code	Description	Base Amount	Post Date yyyymmdd	Trans Date yyyymmdd
ARR1	4001		4321101 0112000000	Cash Transfer	1000.00	20030210	20030210
ARR					-1000.00	20030210	20030210
ARR					-5500.00	20030210	20030210
ARR					5500.00	20030210	20030210
ARR					-2800.00	20030210	20030210
ARR					2800.00	20030210	20030210

Welcome | Map Columns | Upload

LAWSON™

**Upload from Microsoft (R)
Excel Wizard**

Lawson Add-Ins for Microsoft (R) Office

*Welcome to the Lawson Upload
from Microsoft (R) Excel Wizard*

Use the Upload Wizard to transfer data from an Excel worksheet to the Lawson database. Map Excel worksheet columns to Lawson form fields, and then upload the data to the Lawson database. During the upload process, the data is checked to ensure it passes the defined business rules before it is accepted. Click Next to begin.

Cancel < Previous Next >



Map Worksheet to Lawson form

1	Run Group	Seq #	Org Code	Acct Code	Description	Base	Post Date	Trans Date
2	(Old Company)			Amount	yyyyymmdd	yyyyymmdd		
3	ARR1	4001		4321101 0112000000	Cash Transfer	1000.00	20030210	20030210
4	ARR1	4002		4321101 0111000000	Cash Transfer	-1000.00	20030210	20030210
5	ARR1						210	20030210
6	ARR1						210	20030210
7	ARR1						210	20030210
8	ARR1						210	20030210

Lawson Upload from Microsoft Excel Wizard

Welcome | Map Columns | Upload

Select a product line, system code, and form.

Select Lawson Form

- GL50.3, Totals
- GL50.4, Filters
- GL50.5, Copy
- GL55.1, Transaction Writer
- GL55.2, Copy
- GL65.1, Transaction Interface M
- GL65.2, Additional Transaction A
- GL65.3, Report Currency Entry
- GL67.1, Balance Interface Main
- GL70.1, Recurring Journal
- GL70.2, Define Recurring Journ.
- GL70.3, Amounts Only
- GL70.4, Additional Information
- GL70.5, Filter
- GL70.6, Recurring Copy
- GL70.7, Journal Totals
- GL75.1, Recurring Journal Contr

Map Fields

Data Goes from Row 3 to Row 8

Worksheet Column	Lawson Field
A	_f2,GTR-RUN-GROUP
B	_f24:0,GTR-DATE1
C	_f3,PT-GTR-SEQ-NUMBER
D	_f4:0,LINE-FC1
E	_f4:1,LINE-FC2
F	_f5:0,GTR-SEQ-NUMBER1
G	_f5:1,GTR-SEQ-NUMBER2
H	_f6:0,GTR-COMPANY1
	_f6:1,GTR-COMPANY2
	_f7:0,GTR-OLD-COMPANY1

Cancel < Previous Next >

Map Worksheet to Lawson form

1	Run Group	Seq #	Org Code	Acct Code	Description	Base	Post Date	Trans Date
2							mmdd	yyyymmdd
3	ARR1						30210	20030210
4	ARR1						30210	20030210
5	ARR1						30210	20030210
6	ARR1						30210	20030210
7	ARR1						30210	20030210
8	ARR1						30210	20030210

Lawson Upload from Microsoft Excel Wizard

Welcome | **Map Columns** | Upload

Select a product line, system code, and form.

Select Lawson Form

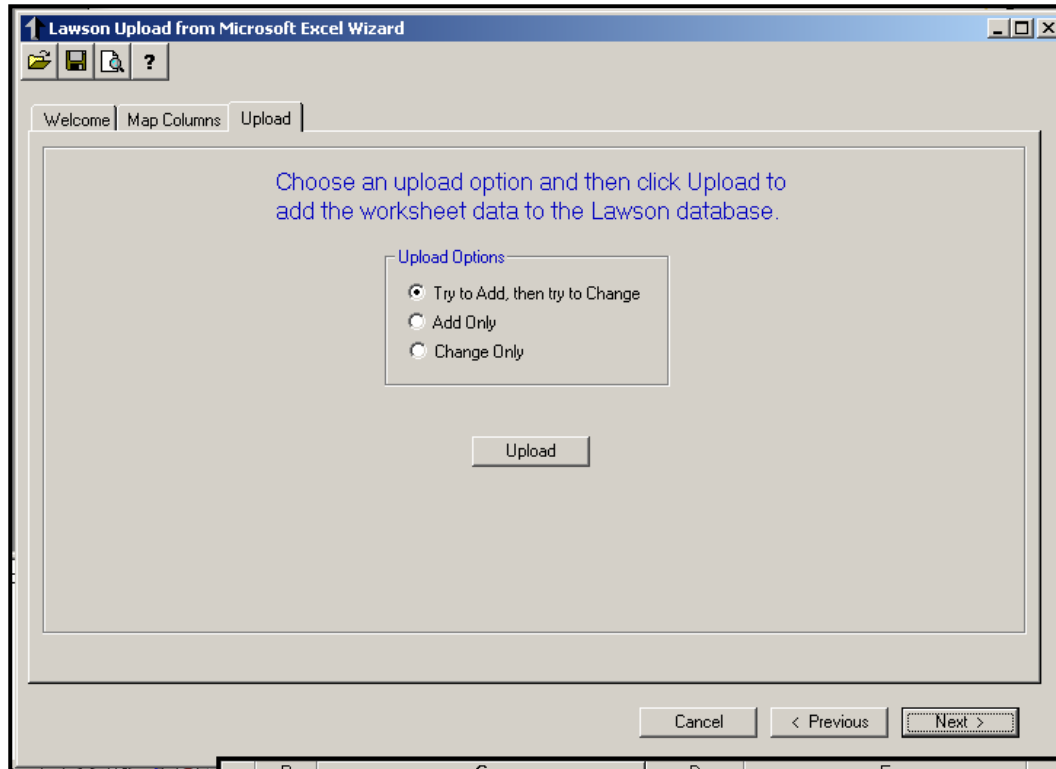
- GL50.3, Totals
- GL50.4, Filters
- GL50.5, Copy
- GL55.1, Transaction Writer
- GL55.2, Copy
- GL65.1, Transaction Interface M
- GL65.2, Additional Transaction A
- GL65.3, Report Currency Entry
- GL67.1, Balance Interface Main
- GL70.1, Recurring Journal
- GL70.2, Define Recurring Journ.
- GL70.3, Amounts Only
- GL70.4, Additional Information
- GL70.5, Filter
- GL70.6, Recurring Copy
- GL70.7, Journal Totals
- GL75.1, Recurring Journal Contr

Map Fields

Data Goes from Row to Row

Worksheet Column	Lawson Field
A	f2:GTR-RUN-GROUP
B	f5:0.GTR-SEQ-NUMBER1
C	f7:0.GTR-OLD-COMPANY1
D	f8:0.GTR-OLD-ACCT-NBR1
E	f14:0.GTR-DESCRIPTION1
F	f19:0.GTR-BASE-AMOUNT1
G	f21:0.GTR-POSTING-DATE1
H	f24:0.GTR-DATE1

Upload & Verify Data



	B	C	D	E	F	G	H			
1	Seq #	Org Code	Acct Code	Description	Base	Post Date	Trans Date			
2		(Old Company)			Amount	yyyymmdd	yyyymmdd			
3	4001		4321101 0112000000	Cash Transfer	1000.00	20030210	20030210			Results from GL65.1
4	4002		4321101 0111000000	Cash Transfer	-1000.00	20030210	20030210			Add Complete - Continue
5	4003		4321101 0121000000	Pmt on account	-5500.00	20030210	20030210			Add Complete - Continue
6	4004		4321101 0111000000	Pmt on account	5500.00	20030210	20030210			Add Complete - Continue
7	4005		4321101 0212000000	Accrued Travel Expense	-2800.00	20030210	20030210			Add Complete - Continue
8	4006		4321101 0531500000	Accrued Travel Expense	2800.00	20030210	20030210			Add Complete - Continue
9										



Verify Data

Welcome, Fitz Web User 1

LAWSON™ TRANSACTION INTERFACE MAINTENANCE (GL65.1)

[Go To](#) [Preferences](#) [Help](#)

GL65.1

Home Transa...

Data Directory

1) Run Group: ARR1

Related Links

[Transaction Interface](#)
[Transaction Interface Listing](#)

Run Group: Position To:

FC	Seq	Co	Organization Code	Account Code	User Analysis
<input type="text" value="4003"/>	<input type="text" value="4321"/>	<input type="text" value="4321101"/>	<input type="text" value="D121000000"/>		
Description: <input type="text" value="Pmt on account"/> Reference: <input type="text"/>					
Amount: <input type="text" value="5500.00"/>		Currency: <input type="text" value="USD"/>	Base Rate: <input type="text" value="1.000000"/>		
Base Amount: <input type="text" value="5500.00"/>		Auto Rvs: <input type="text" value="N"/>	Post Date: <input type="text" value="02/10/2003"/>		
To Co Amt: <input type="text"/>		System: <input type="text" value="GL"/>	Trans Date: <input type="text" value="02/10/2003"/>		
Units Amt: <input type="text"/>		Program: <input type="text" value="GL65"/>	Effect Date: <input type="text"/>		
Document: <input type="text"/>		Activity: <input type="text"/>	Neg Adj: <input type="text" value="N"/>		
Jrnl Book: <input type="text"/>		Jbk Seq Nbr: <input type="text"/>	Source Code: <input type="text" value="TC"/>		
Attributes Rpt Curr *					
<input type="text" value="4004"/>	<input type="text" value="4321"/>	<input type="text" value="4321101"/>	<input type="text" value="D111000000"/>		
Description: <input type="text" value="Pmt on account"/> Reference: <input type="text"/>					
Amount: <input type="text" value="5500.00"/>		Currency: <input type="text" value="USD"/>	Base Rate: <input type="text" value="1.000000"/>		
Base Amount: <input type="text" value="5500.00"/>		Auto Rvs: <input type="text" value="N"/>	Post Date: <input type="text" value="02/10/2003"/>		
To Co Amt: <input type="text"/>		System: <input type="text" value="GL"/>	Trans Date: <input type="text" value="02/10/2003"/>		
Units Amt: <input type="text"/>		Program: <input type="text" value="GL65"/>	Effect Date: <input type="text"/>		
Document: <input type="text"/>		Activity: <input type="text"/>	Neg Adj: <input type="text" value="N"/>		
Jrnl Book: <input type="text"/>		Jbk Seq Nbr: <input type="text"/>	Source Code: <input type="text" value="TC"/>		
Attributes Rpt Curr *					



Update Lawson Database Tables

LAWSON™ TRANSACTION INTERFACE (GL165) Go To

GL165.1

Home **Transa...**

Data Directory
1) Job Name: GL165

Related Links
[Transaction Interface Maintenance](#)
[Transaction Interface Listing](#)
[Reports](#)
[Job Sched](#)

Related Actions
[Submit](#)
[Print Mgr.](#)

Job Name:

Job Description:

User Name: Fitzgerald 1 Fitzgerald 1

Product Line: AP802803

Parameters

Run Group:

Update: Partial

Summarize Transactions: No

Create Activity Transactions: Yes

Batch by Program Code: No

Conversion Method:

Bypass Organization Code: No

Bypass Account Code: No

Print System Code Total: No

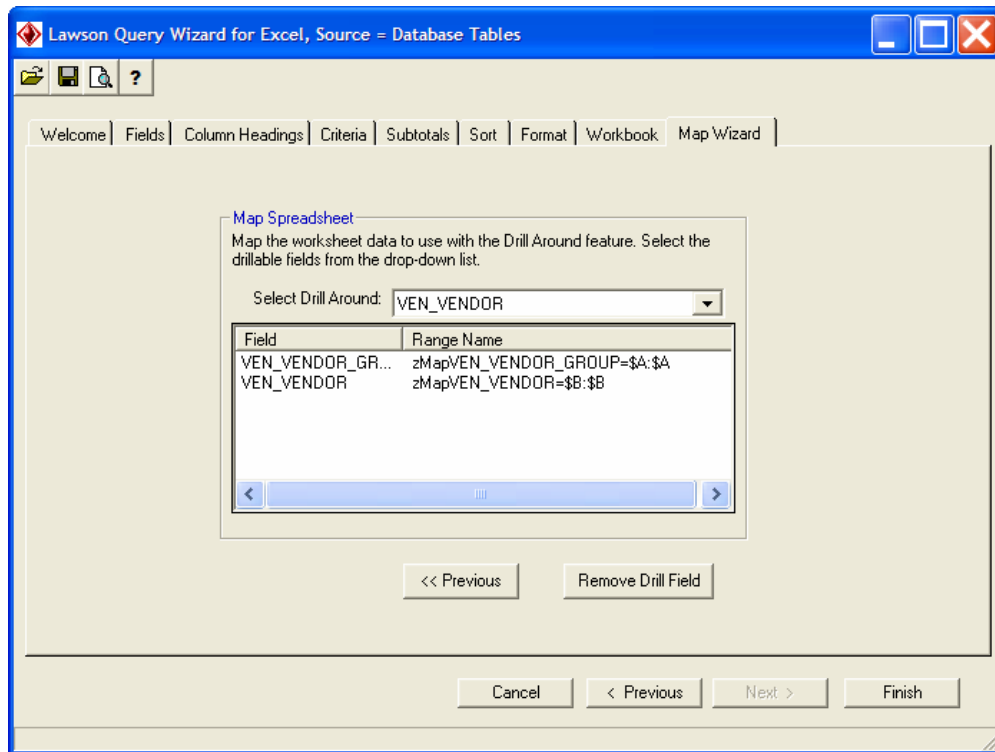
Error Print Option: All Errors

Print User Analysis: No

Budget Edit: No

Excel Query Wizard Power Techniques

- Drill-Around from a Query
 - You can add Drill Around to your Query while building it, or after you've run it



Excel Query Wizard Power Techniques

- Drill-Around from a Query
 - Highlight a cell and select 'Lawson|Drill'

The screenshot shows a Microsoft Excel spreadsheet with a data table. The table has columns labeled 'VENDOR GROUP', 'VENDOR', and 'VEND'. The 'VENDOR' column contains various company names. A 'Drill Around' dialog box is open over the cell containing 'Band-aids R Us'. The dialog box has a tree view on the left with 'Address' selected. The right side of the dialog box displays the following details:

Select Detail	
Address	
Name:	Band-aids R Us
Legal Name:	BANDAID'S R US
Effect Date:	09/04/00
Address: 5500 Cut way	
County:	Newark NJ 21000
contact:	S. Lipshutz
Telephone:	(201) 435-4624
Fax:	(201) 435-5555
Account Nbr:	
E-mail:	
URL:	

The dialog box also includes a 'Drill' button at the bottom right and a 'Ready' status at the bottom left.

Excel Query Wizard Power Techniques

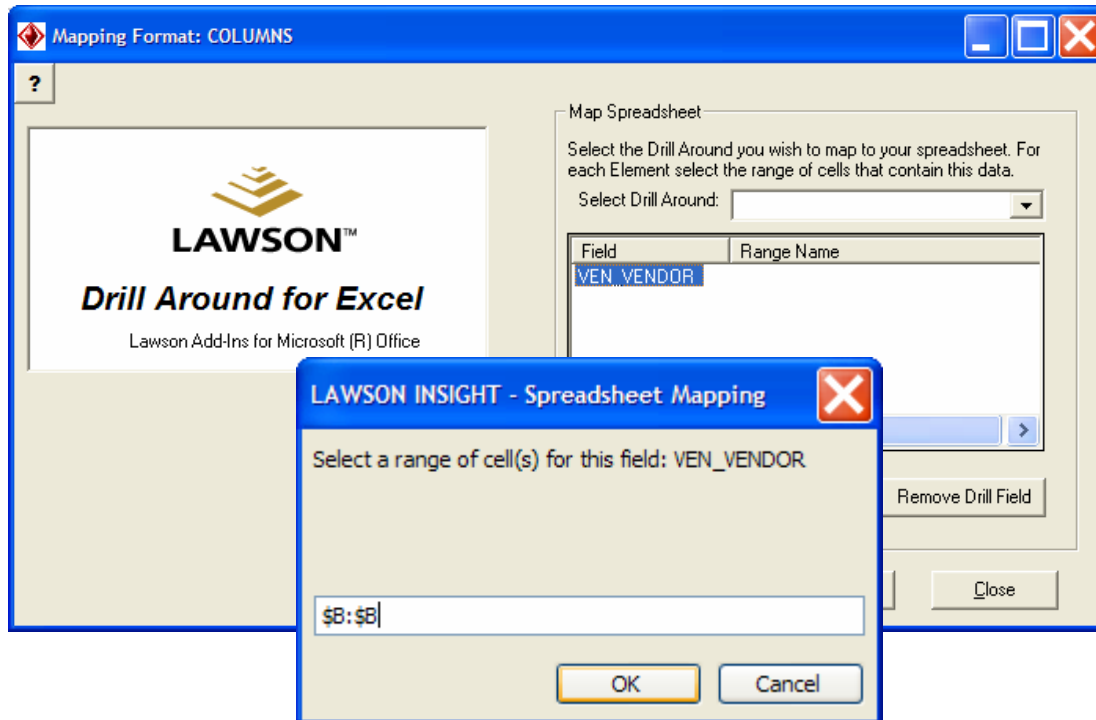
- Drill-Around from a Query
 - Add DrillAround Forms for each worksheet column you want to use for DrillAround

The screenshot displays a Microsoft Excel spreadsheet with a list of vendors. The 'Mapping Format: COLUMNS' dialog box is open, showing the Lawson logo and the text 'Drill Around for Excel' and 'Lawson Add-Ins for Microsoft (R) Office'. The dialog box prompts the user to 'Select the product line, system code and form, then choose Next.' A list of product lines is visible, including DEV802, AB, AC, AD, AM, AP, AR, BL, BN, BR, CB, CX, DA, and DT. The 'AP, Accounts Payable' option is selected. The 'Drill' button is highlighted.

VENDOR GROUP	VENDOR	VLINE
1	ACME Orthopedic	Drill
2	1 General Medical	
3	2 ACME Orthopedic Suppliers	
4	3 Bandstra's R Us	
5	4 Paper Suppliers, Inc	
6	5 Physicians Surgical Suppliers	
7	6 Temporary Help, Inc.	
8	7 UK Office Equipment, PLC	
9	8 Hancock's Catering	
10	9 Canadian Medical Suppliers	
11	10 Maple Leaf Office Supplies	
12	21 Office Supplies, Inc.	
13	200 ERS Vendor	
14	500 Mark Johnson	
15	1000 General Supplies (IM)	
16	1001 Ian Fitzgerald	
17	1002 Ted Leighton	
18	1003 Elizabeth Jamieson	
19	1004 Elizabeth Eaton	
20	1006 Josephine Daneu	
21	1007 Michael Moriarty	
22	1008 Stephen Bentley	
23	1009 Jimmy's Auto World	
24	1010 Ann Talbot	
25	1013 Northern States Electric	
26	1015 Practical Products, Inc	
27	1019 Victor's Office Materials	
28	1234 ACME Construction	
29	1567 Banner Medical Equipment	
30	2021 Warehouse Equipment	
31	2050 Prudential Insurance	
32	2051 Midwest Bell	
33	2052 Internal Revenue Service	
34	2053 Dixie States (DM)	
35	2054 Computer World (DM)	
36	2055 Reliable Office (IM)	
37	2056 Marathon Services (IM)	
38	2058 UPS (ACQ Vendor)	
39	2060 Snappy Tools (IM REF)	
40	2061 Province of Alberta	
41	2062 Warbucks Coffee (ERS Vendor)	
42	1000 General Supplies (IM)	
43	1001 Johnson Tools	
44	1002 Elaine Anderson	
45	1003 Smith Plumbing	
46	1004 Load King Truck Company	
47	1005 Pine Tree Lumber Company	
48	1006 Scott Hanson	
49	1007 Thom Architectural Services	
50	1008 National Construction Workers	

Excel Query Wizard Power Techniques

- Drill-Around from a Query
 - Select the form and the column range
 - Repeat for each column
 - When you run your query, the Add-In will add Range Names



Excel Query Wizard Power Techniques

- Drill-Around from a Query
 - Highlight a cell and select 'Lawson|Drill'

The screenshot shows a Microsoft Excel spreadsheet with a data table. The table has columns for 'VENDOR GROUP', 'VENDOR', and 'Drill'. The 'Drill' column contains a list of vendor names. A 'Drill Around' dialog box is open, displaying details for the selected vendor, 'Bandaid's R Us'. The dialog box has a tree view on the left with 'Address' selected. The right pane shows the following details:

Select Detail	
Address	Name: Bandaid's R Us
	Legal Name: BANDAID'S R US
	Effect Date: 09/04/00
Address: 5500 Cut way	
County	Newark NJ 21000
contact:	S. Lipshutz
Telephone:	(201) 435-4624
Fax:	(201) 435-5555
Account Nbr:	
E-mail:	
URL:	

The dialog box also has a 'Drill' button at the bottom right.

Excel Query Wizard Power Techniques

- In Query Wizard, always try to use 'Database Tables' rather than 'Application'
- When querying 'Database Tables'
 - Use indexes against heavily populated tables
 - Understand Lawson's Data Dictionary and alternate indexes
 - Criteria = Slow
 - Indexes = Fast
 - Use Excel, not the Query Wizard, for filtering

Understand the Lawson Data Dictionary

- Using the *dbdoc* report to get Lawson data dictionary information:

```
$ dbdoc DEV802 GL GLTRANS | lashow
```

GLTRANS FILE

General Ledger Transactions

The General Ledger Transaction file contains the journal entry detail information to be posted to the Lawson General Ledger system. The transactions are not deleted when posted and GL300 (General Ledger History Delete) must be run to clear out information no longer needed.

REFERENCED BY

GL145	GL170	GL240
GL285	GL286	GL287
GL41.1	GL41.3	JB240
GL325	GL327	GL235
AC191	AP125	AP126
AP27.1	CB10.1	CB191
EE135	EE35.1	EE35.2
FB190	FB211	FB296
FB45.1	FB95.1	FB95.2
FB95.6	GL165	GL298
GL94.2	GL94.3	GL94.4

GLTRANS FILE INDEX

NAME	KEY FIELDS	DESCRIPTION
GLTSET1	COMPANY FISCAL-YEAR ACCT-PERIOD CONTROL-GROUP SYSTEM JE-TYPE JE-SEQUENCE LINE-NBR	
GLTSET2	TO-COMPANY FISCAL-YEAR ACCT-PERIOD	KeyChange, Subset Where STATUS != 8

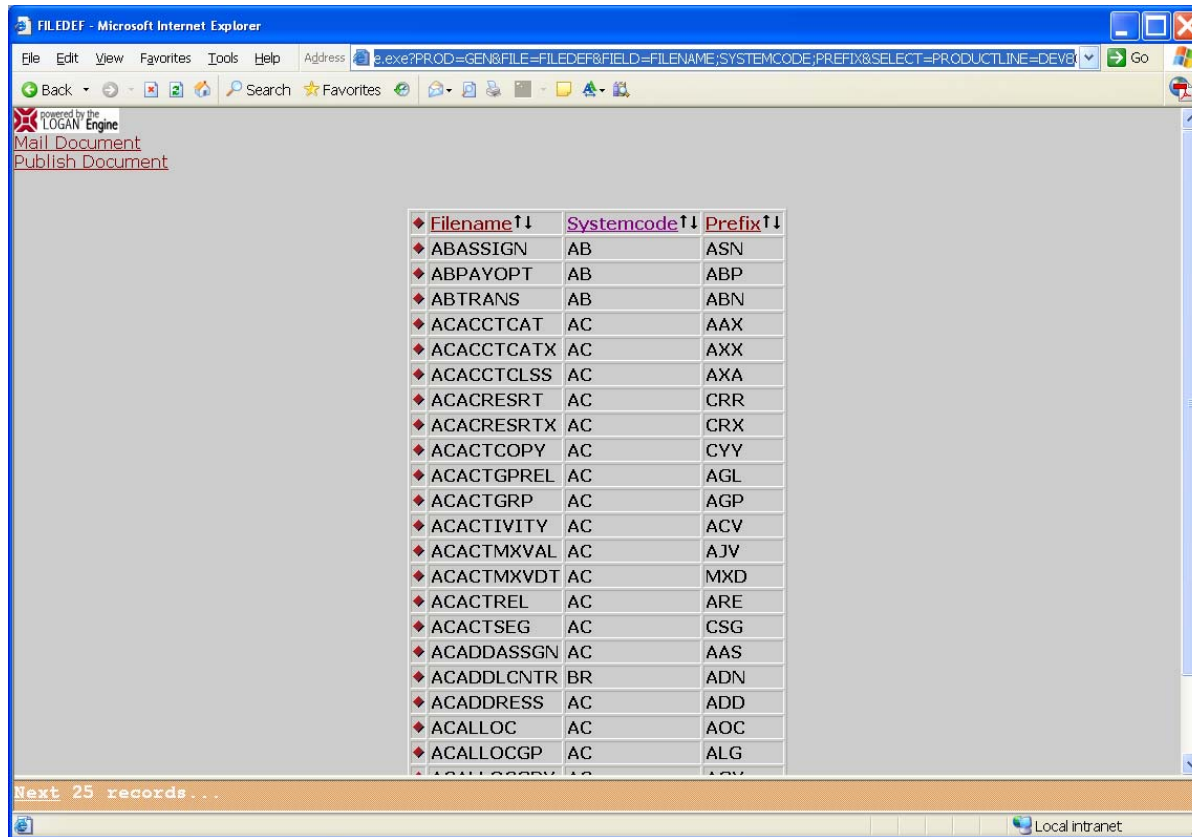
FIELD NAME	DESCRIPTION/VALID VALUES	UPDATED BY
GLT-COMPANY Company	Numeric 4 This is the company into which the transactions are to be interfaced. For intercompany processing, this field is considered the originating company. Must be defined in GLSYSTEM.	GL110 GL146 GL167 GL190 GL191 GL196 GL197 GL199 GL290 GL40.1 GL40.2 GL40.3 GL40.6 GL40.7 GL40.8 GL44.1 GL45.1 GL500 IFGT.1
GLT-FISCAL-YEAR Fiscal Year	Numeric 4 This is the current fiscal year. This field is updated by Period Closing	GL146 GL167 GL190 GL191 GL196 GL197



Understand the Lawson Data Dictionary

- Using web utility *dme* to get Lawson data dictionary information:

<http://<<webserver>>/cgi-lawson/dme.exe?PROD=GEN&FILE=FILEDEF&FIELD=FILENAME;SYSTEMCODE;PREFIX&SELECT=PRODUCTLINE=DEV802>



powered by the LOGAN Engine
Mail Document
Publish Document

Filename↑↓	Systemcode↑↓	Prefix↑↓
ABASSIGN	AB	ASN
ABPAYOPT	AB	ABP
ABTRANS	AB	ABN
ACACCTCAT	AC	AAX
ACACCTCATX	AC	AXX
ACACCTCLSS	AC	AXA
ACACRESRT	AC	CRR
ACACRESRTX	AC	CRX
ACACTCOPY	AC	CYY
ACACTGPREL	AC	AGL
ACACTGRP	AC	AGP
ACACTIVITY	AC	ACV
ACACTMXVAL	AC	AJV
ACACTMXVDT	AC	MXD
ACACTREL	AC	ARE
ACACTSEG	AC	CSG
ACADDASSGN	AC	AAS
ACADDLCNTR	BR	ADN
ACADDRESS	AC	ADD
ACALLOC	AC	AOC
ACALLOCGP	AC	ALG

Next 25 records...

Local intranet

Understand the Lawson Data Dictionary

- <http://lawsonguru.danalytics.com/datadict>

Lawson Data Dictionary - Microsoft Internet Explorer

Generated by: Decision Analytics

ERDs	Tables	Elements	Libraries	App Forms
7.2.3	7.2.3	7.2.3	7.2.3	7.2.3
8.0.1	8.0.1	8.0.1	8.0.1	8.0.1
8.0.2	8.0.2	8.0.2	8.0.2	8.0.2

APINVOICE FILE
Accounts Payable Invoice

The Accounts Payable Invoice file contains accounts payable invoice records. Each record has one or more associated records in the Invoice Payment File.

REFERENCED BY

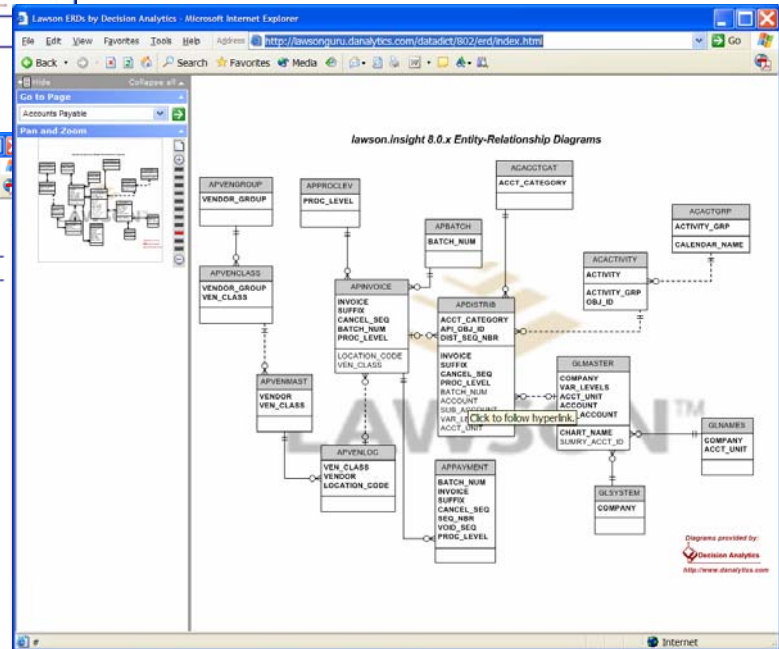
POA3 1	AP09 4	AP05 1	AP01 1	AP141	AP159
AP151	AP155	AP154	AP149	AP141	AP175
AP176	AP197	AP212	AP213	AP220	AP230
AP140	AP245	AP250	AP252	AP255	AP270
AP275	AP282	AP284	AP40 1	AP43 1	AP56 2
AP90 1	AP90 3	AP90 2	AP90 4	AP91 1	AP92 2
AP92 1	AP95 1	AP91 1	AP41 1	AP46 1	CB96 2
EE30 1	EE20 2	EE20 4	EE20 1	EE30 1	EE30 1
EE90 2	CA90 1	TC91 1	MA14 1	MA10 1	MA78 1
MA30	MA31	MA40	MA43 1	MA44 6	MA47 1
MA7 2	MA68 1	MA61 1	FO109	FO10 1	FO123
PO11	PO20 1	PO21 2	PO21 3	PO21 4	PO21 5
PO22 1	PO23 1	PO21 1	PO30 1	PO30 2	PO30 3
PO300	PO31 1	PO31 2	PO32 2	PO33 1	PO34 1
PO35 1	PO38 1	PO39 1	PO39 2	PO44 1	PO40 1
PO42 1	PO40 1	PO41 2	PO41 1	PO41 1	PO41 1
PR277	RO10 1	RO10 2	WH20 2	WH20 7	AP236
AP10 1	AP251	AP21 1	AP14 1	IC840	

UPDATED BY

AP101	AP115	AP125	AP126	AP130	AP131
AP170	AP180	AP181	AP190	AP191	AP193
AP195	AP190	AP20 1	AP20 2	AP20 3	AP20 4
AP20 5	AP20 6	AP20 7	AP20 8	AP20 9	AP25 1
AP25 2	AP25 3	AP26 1	AP260	AP27 1	AP28 1
AP28 2	AP20 1	AP20 3	AP20 4	AP20 4	AP200
AP305	AP32 1	AP32 2	AP35 1	AP36 1	AP45 1
AP370	AP45 2	AP41 1	AP22 1	EE216	EE35 1
EE35 2	EE250	MA10	MA41 1	MA41 2	MA41 4
MA43 1	MA43 2	MA43 3	MA43 4	MA43 5	MA43 7
MA43 8	MA40 2	MA40 3	MA40 4	MA41 1	MA45 1
MA46 2	MA66 3	MA70 1	MA11 1		

FIELD NAME DESCRIPTION/VALID VALUES UPDATED BY

API-COMPANY	Numeric 4	AP125	AP126
Company	The company associated with the invoice. Must be a valid record in the Accounts Payable Company file.	AP150	AP180
		AP181	AP190
		AP20 1	AP20 2
		AP20 3	AP20 4
		AP20 5	AP20 6



Changing the Product Line on a Saved Upload

- When you create an Upload Query, you may want to change it to go to another product line.
- The Excel Add-In doesn't provide a way to do that, short of creating a brand-new query.
- Here's how to do it:
- Open the .uwf file in Notepad
- Change the product line
- Save it and use it!



```
AC00.uwf - Notepad
File Edit Format View Help
"PROD"AC~AC00.1~2~2~False~76~A~_f2,AGP-ACTIVITY-GRP~0~B~~0~C~_f16
,AGP-ACCT-EDIT-FLAG~0~D~~~E~_f14,AGP-ACTIVE-STATUS~0~F~_f95,AGP-A
CTIVITY-FLAG~0~G~_f47,AGP-ASSET-EDIT~0~H~_f97,AGP-ASSET-FLAG~0~I~
_f101,AGP-ATTRIBUTE-FLAG~0~J~~~K~_f11,AGP-BEGIN-DATE~1~L~~0~M~_f4
3,AGP-BILL-CALC-DATE~0~N~_f31,AGP-BILL-CONSOL-FL~0~O~_f103,AGP-BI
LLING-FLAG~0~P~~~Q~_f52,AGP-BUDGET-EDIT~0~R~_f54,AGP-BUDGET-LEVEL
~0~S~~~T~_f45,AGP-BURDEN-FLAG~0~U~_f7,AGP-CALENDAR-NAME~0~V~_f107
,AGP-CEILING-FLAG~0~W~_f22,AGP-CHG-ORDER-FLAG~0~X~_f24,AGP-CNTRCT
-MOD-FL~0~Y~_f105,AGP-CONTRACT-FLAG~0~Z~_f27,AGP-CONSOL-FLAG~0~AA
~~~AB~~~AC~~~AD~~~AE~_f5,AGP-CURRENCY-CODE~0~AF~~~AG~~~AH~~~AI~_f
41,AGP-DATE-EDIT~0~AJ~_f3,AGP-DESCRIPTION~0~AK~_f37,AGP-EDIT-AP-E
E~0~AL~_f35,AGP-EDIT-PR~0~AM~_f39,AGP-EDIT-TRANSREL~0~AN~_f12,AGP
-END-DATE~1~AO~~~AP~~~AQ~~~AR~~~AS~_f29,AGP-GL-CONSOL-FL~0~AT~_f2
0,AGP-INV-AUDIT~0~AU~~~AV~~~AW~_f71:0,AGP-LEVEL-DESC1~0~AX~_f71:1
,AGP-LEVEL-DESC2~0~AY~_f71:2,AGP-LEVEL-DESC3~0~AZ~_f71:3,AGP-LEVE
L-DESC4~0~BA~_f71:4,AGP-LEVEL-DESC5~0~BB~~~0~BC~~~BD~~~BE~~~BF~~~B
G~_f72:0,AGP-LEVEL-SIZE1~2~BH~_f72:1,AGP-LEVEL-SIZE2~2~BI~_f72:2,
AGP-LEVEL-SIZE3~2~BJ~_f72:3,AGP-LEVEL-SIZE4~2~BK~_f72:4,AGP-LEVEL
-SIZE5~2~BL~~~BM~~~BN~~~BO~~~BP~~~BQ~_f33,AGP-RESOURCE-FL~0~BR~_f
13,AGP-SECURITY-CD~2~BS~~~BT~~~BU~~~BV~~~BW~"
```

Increasing the Columns in a Saved Upload

- When you create an Upload Query, and want to increase the number of columns, the Excel Add-In doesn't provide a way to do that, short of creating a brand-new query:

The screenshot shows the 'Lawson Upload from Microsoft Excel Wizard' dialog box in the 'Map Fields' step. The dialog box is overlaid on an Excel spreadsheet. The spreadsheet has columns labeled L through U. Column L is circled in red. The wizard dialog box has a 'Map Fields' section with a table mapping worksheet columns to Lawson fields. The mapping is as follows:

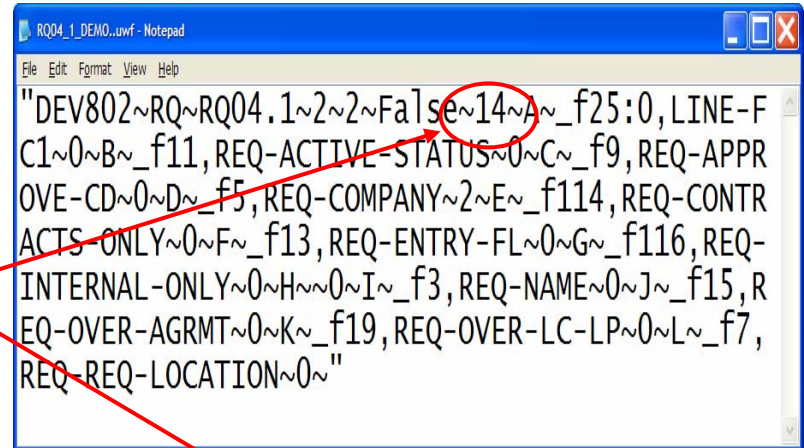
Worksheet Column	Lawson Field
A	_f25.0.LINE-FC1
B	_f11.REQ-ACTIVE-STATUS
C	_f9.REQ-APPROVE-CD
D	_f5.REQ-COMPANY
E	_f114.REQ-CONTRACTS-ONLY
F	_f13.REQ-ENTRY-FL
G	_f116.REQ-INTERNAL-ONLY
H	
I	_f3.REQ-NAME
J	_f15.REQ-OVER-AGRMT
K	_f19.REQ-OVER-LC-LP
L	_f7.REQ-REQ-LOCATION

The 'RQ-EXPRESS-ORD' column in the Excel table is circled in red, and a red arrow points from this circle to the 'RQ-EXPRESS-ORD' field in the 'Map Fields' table, which is also circled in red. The wizard dialog box has tabs for 'Welcome', 'Map Columns', and 'Upload'. The 'Map Fields' section includes a 'Select Lawson Form' section with fields for Product Line (DEV802), System (RQ), and Form (RQ04.1). The 'Map Fields' section also includes a 'Data Goes from Row' field set to 2.

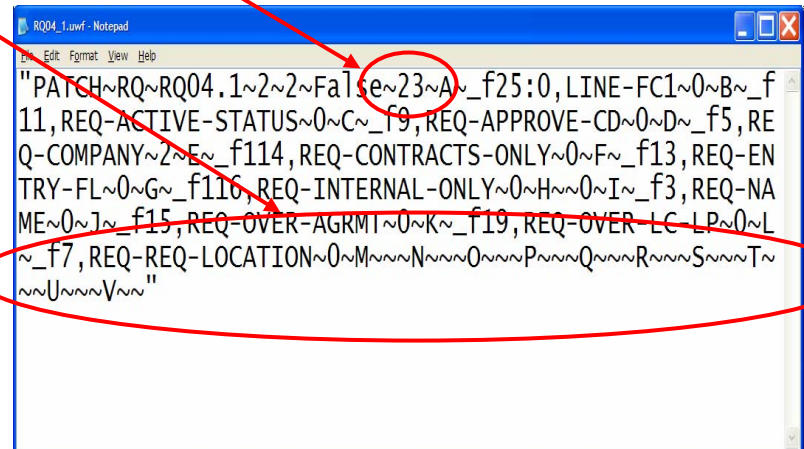
Increasing the Columns in a Saved Upload

Here's how to do it:

- Open the .uwf file in Notepad
- Increase the number of columns
- Add empty columns at the end
- Format is ~<Column>~~, e.g. ~M~



```
RD04_1_DEMO.uwf - Notepad
File Edit Format View Help
"DEV802~RQ~RQ04.1~2~2~False~14~A~_f25:0,LINE-FC1~0~B~_f11,REQ-ACTIVE-STATUS~0~C~_f9,REQ-APPROVE-CD~0~D~_f5,REQ-COMPANY~2~E~_f114,REQ-CONTRACTS-ONLY~0~F~_f13,REQ-ENTRY-FL~0~G~_f116,REQ-INTERNAL-ONLY~0~H~0~I~_f3,REQ-NAME~0~J~_f15,REQ-OVER-AGRMT~0~K~_f19,REQ-OVER-LC-LP~0~L~_f7,REQ-REQ-LOCATION~0~"
```



```
RD04_1.uwf - Notepad
File Edit Format View Help
"PATCH~RQ~RQ04.1~2~2~False~23~A~_f25:0,LINE-FC1~0~B~_f11,REQ-ACTIVE-STATUS~0~C~_f9,REQ-APPROVE-CD~0~D~_f5,REQ-COMPANY~2~E~_f114,REQ-CONTRACTS-ONLY~0~F~_f13,REQ-ENTRY-FL~0~G~_f116,REQ-INTERNAL-ONLY~0~H~0~I~_f3,REQ-NAME~0~J~_f15,REQ-OVER-AGRMT~0~K~_f19,REQ-OVER-LC-LP~0~L~_f7,REQ-REQ-LOCATION~0~M~0~N~0~O~P~Q~R~S~T~U~~V~~"
```

Increasing the Columns in a Saved Upload

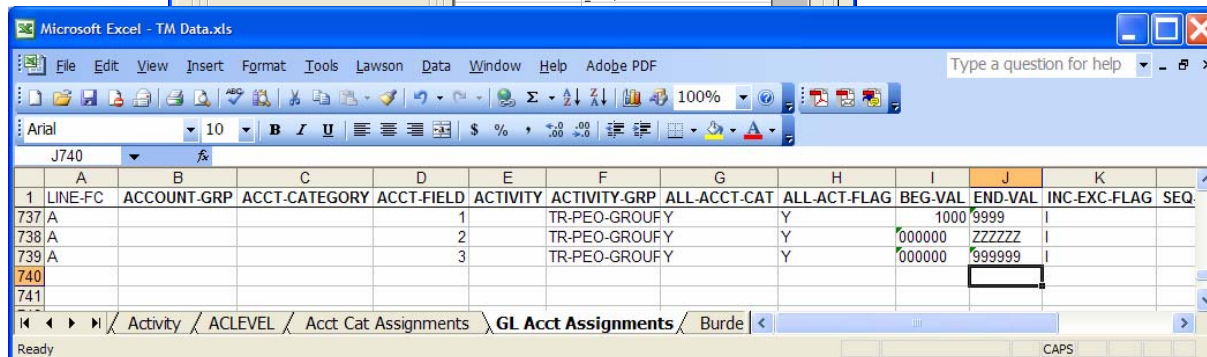
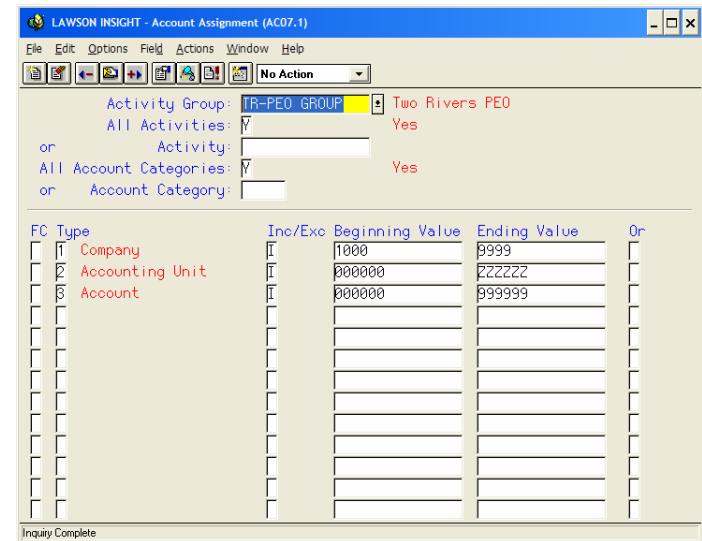
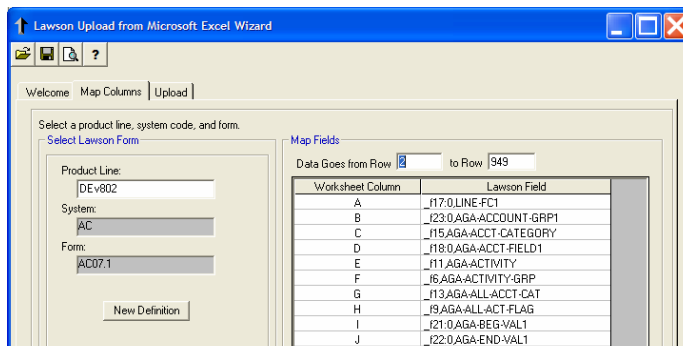
- Now you have the extra columns available!

The screenshot shows a Microsoft Excel window with a data table. The table has columns labeled L through U. A red oval highlights the columns from N to U. The 'Lawson Upload from Microsoft Excel Wizard' dialog box is open, showing the 'Map Fields' step. The wizard is configured for Product Line: DEV802, System: RQ, and Form: RQ04.1. The 'Map Fields' table shows the following mapping:

Worksheet Column	Lawson Field
H	
I	_f3.REQ-NAME
J	_f15.REQ-OVER-AGRMT
K	_f19.REQ-OVER-LC-LP
L	_f7.REQ-REQ-LOCATION
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	

Excel Query Wizard Power Techniques

- When working against a complicated form
 - “Flatten” the Excel records; don’t try to fill the entire form from one record!
 - Use “Add, then Change” option
 - Use Line-FC = A for each record



Questions?

The LawsonGuru Letter



- Monthly Newsletter
 - Read & Subscribe:
<http://www.danalytics.com/guru/letter/>
- Periodic White Papers
 - <http://www.danalytics.com/solutions/>
- E-Mail:
 - <mailto:john.henley@danalytics.com>
- Web:
 - <http://www.danalytics.com>