



Beyond EDI - How to import data into any JD Edwards table directly from an Excel spreadsheet without creating a custom program

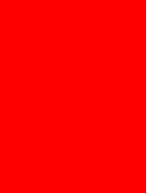
Session ID 36350

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Beyond EDI

What you will learn in this session:

- **Interoperability setup in JD Edwards**
- **How to prepare data in Excel**
- **How to perform the upload**
- **Best Practice**



Beyond EDI – Interoperability Setup

- **Identify table(s) for upload**
- **Define Flat File Encoding**
- **Define Flat File Cross Reference**
 - **Specify the transaction type**
 - **Indicate it as an inbound transaction**
 - **Include tables and record Types**
 - **Specify file name and directory path (fat client vs. server)**



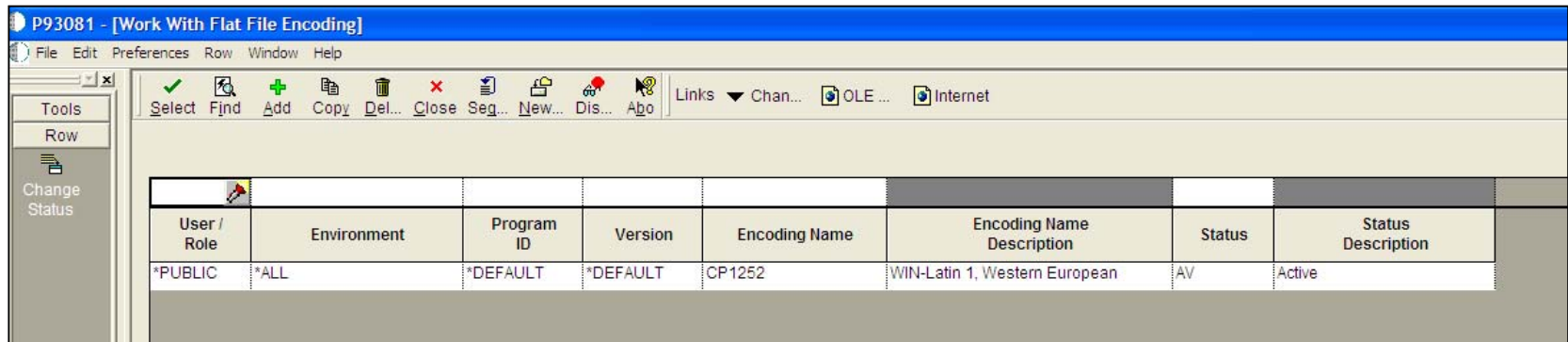
Beyond EDI – Interoperability Setup

- **Identify Table(s) for Upload**
 - **Use a z table or an EDI table whenever possible**
 - **Identify the z file processing program or the EDI program for the above table(s)**
 - **If no Z table or EDI table is available, you may upload data directly into the final data table(s). You need to do so with extreme caution as there is no edit check when you do the import.**
 - **Understand table relationship. For example, F1501B and F15017 are created together for each lease record. F03B11Z1 and F0911Z1 are both required to create a manual billing.**

Beyond EDI – Interoperability Setup

- **Define Flat File Encoding**

- **This is a required setup if your program is in Unicode. This is a one time setup.**
- **Enter P93081 at Fast Path. Add the following record for flat file encoding with the appropriate encoding name. CP1252 is default for US.**



The screenshot shows the Oracle P93081 - [Work With Flat File Encoding] window. The window title is "P93081 - [Work With Flat File Encoding]". The menu bar includes "File", "Edit", "Preferences", "Row", "Window", and "Help". The toolbar contains icons for "Select", "Find", "Add", "Copy", "Del...", "Close", "Seg...", "New...", "Dis...", and "Apo". The main area displays a table with the following data:

User / Role	Environment	Program ID	Version	Encoding Name	Encoding Name Description	Status	Status Description
*PUBLIC	*ALL	*DEFAULT	*DEFAULT	CP1252	WIN-Latin 1, Western European	AV	Active

Beyond EDI – Interoperability Setup

- Define Flat File Cross Reference
 - Enter P47002 at Fast Path. Enter the file name for import and click Find. The system will display existing transaction type.

Work With Flat File Cross-Reference

Select Find Add Close Row Form Tools

Transaction *

Records 1 - 1 [Customize Grid](#)

Trans	Trans Description	Dir Ind	Dir Ind Description	Record Type	Record Type Description	File Name	Flat File Name
JDEINV	Invoices	1	Inbound	1	Header	F03B11Z1	

Beyond EDI – Interoperability Setup

- Inquire on the transaction type with the direction indicator of 1 to obtain all the tables associated with this transaction type for import. Note the record types (1 for header, 2 for detail, 4 for additional detail, etc)

Work With Flat File Cross-Reference

Select Find Add Close Row Form Tools

Transaction *

Records 1 - 3 [Customize Grid](#)

	Trans	Trans Description	Dir Ind	Dir Ind Description	Record Type	Record Type Description	File Name	Flat File Name
<input checked="" type="radio"/>	JDEINV	Invoices	1	Inbound	1	Header	F03B11Z1	
<input type="radio"/>	JDEINV	Invoices	1	Inbound	2	Detail	F0911Z1	
<input type="radio"/>	JDEINV	Invoices	1	Inbound	4	Additional Detail	F0911Z1T	



Beyond EDI – Interoperability Setup

- **You may want to create a new Transaction Type even if one already exists. You will need to add a new Transaction Type if the upload is directly into a final data table.**
- **Before you can add a new Transaction Type for the flat file cross reference, you need to first create it in UDC 00/TT**
- **Click “Add” on Flat File Cross Reference (P47002). Enter the new Transaction Type. Specify the text file name and directory path. Include header and related detail tables. You can configure it to run either on a fat client or on the web.**

Beyond EDI – Interoperability Setup

- The following is an example for running the import from a fat client.

Flat File Cross-Reference

OK Delete Cancel Tools

Transaction * LEASE Lease master and detail

Direction Indicator * 1 Inbound

Flat File Name c:\lease.txt

Records 1 - 3 Customize Grid

	Record *	Record Type	Description	File *
<input checked="" type="radio"/>	1	Header		F1501B
<input type="radio"/>	2	Detail		F15017
<input type="radio"/>				

Beyond EDI – Interoperability Setup

- To run the import program on the server, you need to specify a directory path on the server. In the following example, tijde02 is the name of the server where the flat file resides.

Flat File Cross-Reference

OK Delete Cancel Tools

Transaction * LEASE Lease master and detail

Direction Indicator * 1 Inbound

Flat File Name \\tijde02\upgrade testing\lease.txt

Records 1 - 3 Customize Grid

Record *	Record Type	Record Type Description	File *
1	Header		F1501B
2	Detail		F15017



Beyond EDI – How to Prepare Data in Excel

- **Understand table layout, required fields, keys and associated UDC codes**
- **Enter test data manually**
- **Use Databrowser to download data**
- **Prepare data for upload using the Excel template**
- **Run macro to create the text file**



Beyond EDI – How to Prepare Data in Excel

- You can use the following resources to obtain a good understanding of table layout, required fields, key fields and associated UDC values
 - Cross Reference (XREF)
 - Universal Table Browser (UTB)
 - Data Dictionary (DD)
 - DataBrowser
 - JD Edwards Implementation Guide (by module)

Beyond EDI – How to Prepare Data in Excel

- **Enter test data manually** - You can enter test data using one of the following types of programs:
 - **Z File Revision Programs**

Batch Invoice Revisions - Invoice Entry - Batch Invoices

OK Delete Cancel Form Row Tools

User ID Transaction Number

Batch Number Doc Number/Type/Co Prev Trans. Number

Customer * Business Unit

Company Default Pay Terms

Invoice Date G/L Date * Service/Tax Date

Currency Code Exchange Rate Base Foreign

Processed (Y/N) Discount %

Records 1 - 1 Customize Grid

	Gross Amount	Pymt Terms	Discount Available	Taxable Amount	Tax	Tax Area	Tax Expl	Due Date	Discount Due Date	Payor Number	Reference	Pay Stat	Rec Freq	No Py
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Beyond EDI – How to Prepare Data in Excel

- Enter test data manually -
 - Inbound EDI Revision Programs

Status Inquiry/Revisions - Inbound EDI Order Revisions

OK Delete Cancel Row Tools

EDI Document Number

Address Number *

Transaction Set *

Records 1 - 1

	Line Number	2nd Item Number	Quantity Ordered	Unit Cost	UM	Business Unit	Order Co	Order Number	Or Ty
1	1.000								

Beyond EDI – How to Prepare Data in Excel

- Enter test data manually -
 - Standard Data Entry Programs

The screenshot displays the Oracle Lease Information - Lease Master Revisions form. The form is titled "Lease Information - Lease Master Revisions" and includes a toolbar with icons for OK, Delete, Cancel, Form, Row, and Tools. The main form area is divided into sections for "Lease Info Page 1", "Lease Info Page 2", and "Currency". The "Lease Info Page 1" section contains fields for Tenant *, Lease Manager, Alt. Payee, Payment Source, Legal Notice, and Term of Lease. The "Lease Info Page 2" section contains fields for Lease Type, Lease Status, Payment Terms, and Lessee. The "Currency" section contains fields for MO, Begins *, Ends, and Org. End. Below the form is a table with columns for Building, Co, Unit, Move-In Date, Plan-Out Date, Actual-Out Date, Rentable Area, Useable Area, Unt Grp, Occupant Address, SIC, and Salesman. The table shows one record with values for Building, Co, Unit, Move-In Date, Plan-Out Date, Actual-Out Date, Rentable Area, Useable Area, Unt Grp, Occupant Address, SIC, and Salesman.

Building	Co	Unit	Move-In Date	Plan-Out Date	Actual-Out Date	Rentable Area	Useable Area	Unt Grp	Occupant Address	SIC	Salesman

Beyond EDI – How to Prepare Data in Excel

- **Use Databrowser to download data** - Once you have entered test records, you can use Databrowser to export data into Excel

Data Browser - F1501B [Lease Master Header]

Find Close Tools

Select a Query Save Query Edit Queries

Order Number =

Lease Version =

Records 1 - 6 Customize Grid Grid Format Name1

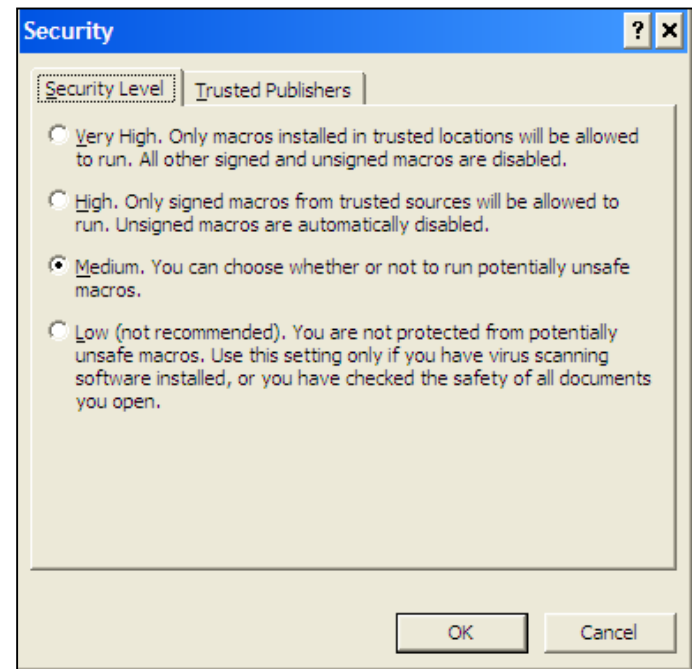
Order Number	Lease Version	Version Effective	Version End Date	Version Status	Or Ty	Description	Address Number	Alternate Payee
271	1				0 LS	DeAnna's Deli	1540	
15309	1				0 LS	Carbone & Carlino	1533	
15341	1				0 LS	Eddie Bean	1530	
15368	1		07/31/2000		0 LS	Abernathy & Hitch	1538	
15368	2	08/01/2000			0 LS	Abernathy & Hitch	1538	
30001	1				0 LS	Eddie Bean	1530	

Beyond EDI – How to Prepare Data in Excel

- Prepare data for upload using the Excel template

Prior to opening the Excel template, be sure to change security level for macro to medium from any Excel spreadsheet

**Tools=> Options=>
Security tab => Macro
Security**





Beyond EDI – How to Prepare Data in Excel

- **Prepare data for upload using the Excel template**
 - **Open the Excel template, click on the “Enable Macro” box to open the spreadsheet**
 - **Copy and paste downloaded data from Databrowser into the Excel template**
 - **Change key fields and other values as needed for the test records**
 - **Use the Gregorian date (mm/dd/yy or mm/dd/yyyy), not the Julian date**
 - **Enter the amount with decimals (no presumed decimals)**
 - **Be sure to leave the correct number of spaces for each business unit**

Beyond EDI – How to Prepare Data in Excel

- Prepare data for upload using the Excel template with macro
 - Insert a column (the first column on the left) for record types
 - Add a record type indicator (i.e. '1' for header, '2' for detail as defined in the flat file cross reference definition) beside each record in Excel

	A	B	C	D	E	F	G	H
1		Order Number	Lease Version	Version Effective	Version End Date	Version Status	Or Ty	Description
2		Order Number	Lease Version	Business Unit	Unit I.D.	Occupant Address	Salesman	Project Number
3	1	30001	1			0 LS		Eddie Bean
4	2	30001	1	15020	1A			15020
5	2	30001	1	15020	1B			15020

Beyond EDI – How to Prepare Data in Excel

- Run macro to create the text file
 - Highlight all records in Excel, including the record type indicator and run the data formatting macro:
(Tools=>Macro=>Macros=>QuoteCommaExport)
 - Specify the file name and the directory path for the text file (i.e. c:\lease.txt). The file name and path need to agree to the flat file cross reference setup

Flat File Cross-Reference

Transaction * LEASE Lease master and detail

Direction Indicator * 1 Inbound

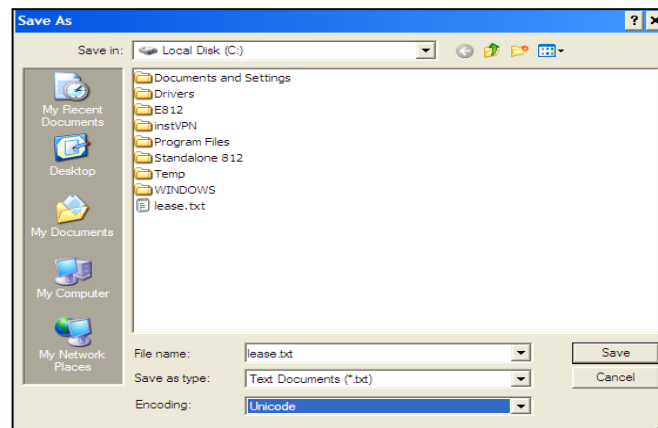
Flat File Name c:\lease.txt

Records 1 - 3

Record *	Record Type	Record Type Description	File *
1	Header		F1501B
2	Detail		F15017

Beyond EDI – How to Prepare Data in Excel

- **Run macro to create the text file**
 - **Click ‘OK’ to run the macro. It will create the comma delimited text file. Note: You only need to perform the following step if your program is in Unicode and the Flat File Encoding has not been configured (see slide 5).**
 - **Double click on the text file to open it with Notepad. Click on File, Save as – save the file with the encoding of ‘unicode’.**



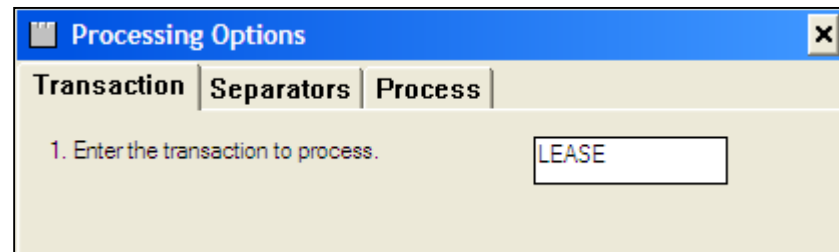
Beyond EDI – How to Perform the Upload

- Create a new version or use an existing version of R47002C (Inbound Flat File Conversion).
- Use the following default data selection:

	Operator	Left operand	Comparison	Right operand
	Where	BC Type - Transaction (F47002) (is equal to	PO TypeTransaction
	And	BC Direction Indicator (F47002) (is equal to	"1"

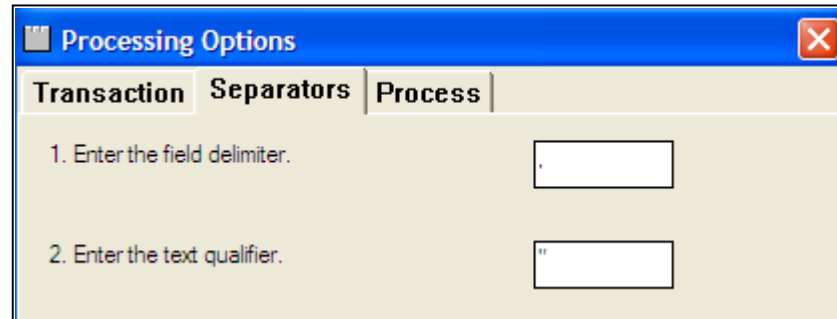
Beyond EDI – How to Perform the Upload

- Set the processing option for the ‘Transaction’ tab to agree to the Transaction Name as defined on the Flat File Cross Reference setup.



- Make sure the ‘Separator’ tab has the following default setting:

Beyond EDI – How to Perform the Upload



The screenshot shows a dialog box titled "Processing Options" with three tabs: "Transaction", "Separators", and "Process". The "Process" tab is selected. It contains two numbered instructions with corresponding input fields:

1. Enter the field delimiter.
2. Enter the text qualifier.

- The 'Process' tab is optional. You may leave it blank or populate it with the inbound processor program and version.
- Submit the R47002C program to run (locally or on the server). After the program has been run successfully, the flat file (***.txt) will disappear.



Beyond EDI – How to Perform the Upload

- **If the text file still exists after you run R47002C program, it means the file was not uploaded. The following are common reasons for the upload error:**
 - **The ‘Transaction’ tab processing option for R47002C version is incorrect**
 - **The directory path/file name specified in the flat file cross reference program does not agree to the text file for the upload**
 - **The text file is not in unicode, or it should be in a different unicode type such as UTF-8**
 - **The text file does not include the record type indicator**
 - **Duplicate keys**



Beyond EDI – How to Perform the Upload

- **After the errors have been corrected, rerun R47002C to upload the file**
- **Review uploaded data in JD Edwards:**
 - **Use UTB to compare uploaded data with manually entered data.**
 - **Use UTB to search for any field in the uploaded records with the value of “.** This means the field is populated with null value when it should be blanks.
 - **Inquire the uploaded data on-line using standard inquiry function for edit checking.**
- **Delete uploaded records. Correct data in Excel and re-upload it to JD Edwards.**



Beyond EDI – Best Practice

- **Use a z table or an EDI table whenever possible**
- **Have a clear understanding of table layouts, required fields, edit rules and table relationships**
- **Manually enter test records first. Use DataBrowser to download test records into Excel to form the basis for the upload template**
- **Use extreme caution if loading data directly into final data table(s). Need to perform edit checks in Excel prior to the upload**



Beyond EDI – Best Practice

- **Identify records for upload with a unique program id and/or user id**
- **After the text file has been uploaded successfully, use UTB and on-line inquiry to review uploaded data for accuracy**
- **Only upload a few records each time until the formatting issue is resolved**



Beyond EDI

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