The Systems House, Inc.

FedEx Integration

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FedEx Integration
MDS-Nx Installation

Install MDS-Nx using the MDS Nx installation procedure:

http://support.tshinc.com/MDSNxInstall.pdf

FedEx Integration
Installation Of ODBC Drivers

Before you can perform the integration, you will need to download and install the ODBC drivers.

Go to support.tshinc.com and download the 2016 drivers. If you are running a 32bit machine, select the 32bit driver, otherwise select the 64bit driver.

The downloaded file is a .zip file. You will need to unzip the file, then click on the setup.exe file to begin the installation.

Take the default installation.

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FedEx Integration
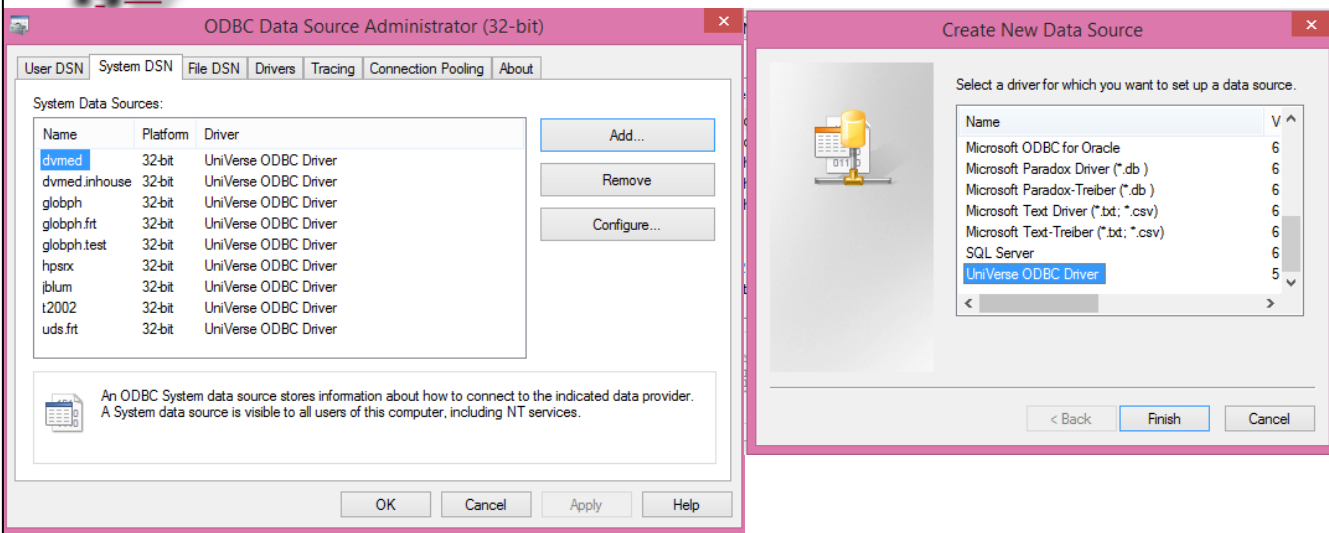# Creating a Data Source

FedEx Integration

Creating A Data Source

This step will create a system data source name to be used in reporting tools such as: Excel, Crystal Reports, and Access.

For 32 Bit OS: Click on Start -> click on Control Panel -> click on Administrative Tools -> click on ODBC Data Sources

From here, click on the tab labeled "System DSN", then click on the "ADD" button to create a new System DSN. *See example on the left of page.*

For 64 Bit OS: Open File Explorer and type C:\Windows\SysWOW64 run odbcad32.exe A box titled "Create New Data Source" is displayed. Click on the driver "UniVerse ODBC Driver", then click on "Finish". *See example on the right of page.*

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Fedex Integration Creating a

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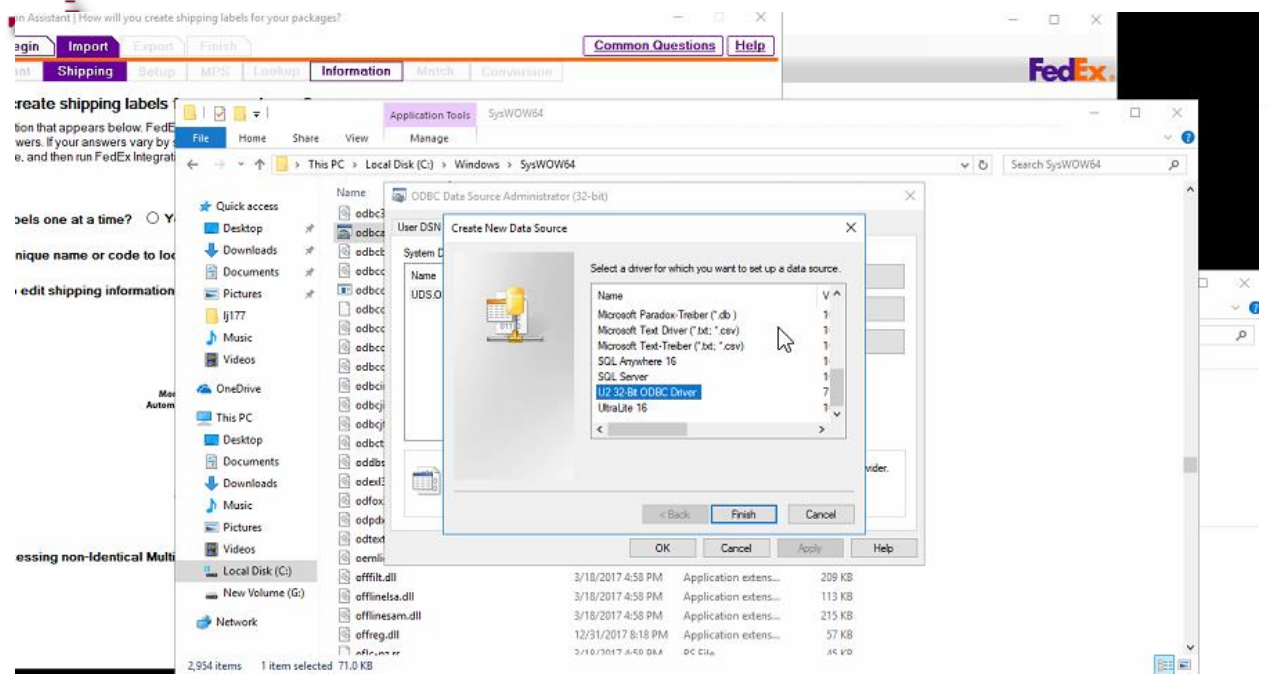
FedEx Integration
Creating a Data Source

FedEx Integration

Creating A Data Source

UniVerse ODBC Data Source Setup

ODBC Data Source Name: Enter "*ACCOUNTNAME*.ODBC"

Description: Enter "*ACCOUNTNAME*.ODBC".

Server: Enter the server's name that was used when creating the data source in the UCI Editor. You can click on the drop down and select it from the list.

Database: Enter the MDS Database name, which is "*ACCOUNTNAME*.ODBC".

User: Enter the user's login

Password: Enter the user's password.

Once completed, click on the button "Test Connection". If the data source is setup correctly, you should receive the message, "Connection passed".

Next, click on "OK" to save the system data source. Once saved, you should be able to see the data source listed *(as in example on right)*.

Click 'OK', you then can close out of Administrative Tools.

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FedEx Integration
Shipping Parameters

```
PAGE    1 *** DICTIONARY LISTING FOR FILE PARAMETER ***10:07:30am  31 Mar 2004


ID. CID............ DESCRIPTION.................... CONV...... C/CORR.... TP MAX

128 FREIGHT.SYS.USE FREIGHT SYSTEM INTERFACE USED                        L   1
    D               (Y/N)


 43 SCALE           SCALE SYSTEM :                                       L   1
                    'V' = VERIFICATION
                    'S' = SHIPPING STATION
                    'N' = NOT USED
```

Configuring the FedEx Mappings

In order for MDS to send and receive information to/from FedEx, certain parameters in the MDS system must be setup prior.

Parameter Settings:

(128) Freight.Sys.Used - Is the Freight System Interface used (Y/N)

(43) Scale - Is the scale system used?

V = Verification - The user will be automatically forwarded to the Shipping Update module after verifying a release.

S = Shipping Station - The user will manually go to the Shipping Update procedure to process the shipment in MDS.

N = Not used - 'N' is entered here if you are not using the freight system.

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FedEx Integration

FedEx Integration

Start the FedEx Ship Manager software.

At the top menu, go to Integration, FedEx Integration Assistant

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FedEx Integration – Welcome - Introduction

At the bottom of the screen, click on the "Continue" button.

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FedEx Integration

FedEx® Integration Assistant | Preparing for a Successful Integration   — ☐ ✕

| Welcome | Begin | Import | Export | Finish | Help

| Introduction | Before You Begin |

Preparing for a Successful Integration

The key to a successful integration is a thorough understanding of what information is stored, how it is stored in your existing application, and how your shipping process works.

Before you continue, ensure that you have read the FedEx Integration Assistant Tutorial, and that you can answer the following general questions:

Which applications contain the shipping information that you want to integrate?

Who in your organization has a high-level of technical knowledge about the applications that store your shipping information?

What is the flow of information, from receipt of the customer's order to the printing of the shipping label?

How does the shipping department process a package? Do shipping processes vary by customer, package, etc?

Common Questions

What do I need to know about my applications?

What do I need to know about the flow of information?

What do I need to know about my shipping process?

Who in my organization can assist me?

Tutorial

◄ Back   Continue ►

FedEx Integration – Welcome - Before You Begin

At the bottom of the screen, click on the "Continue" button.

Notes:

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FedEx Integration

FedEx Integration – Begin - Create

Choose "Create a new profile" and click on the "Continue" button

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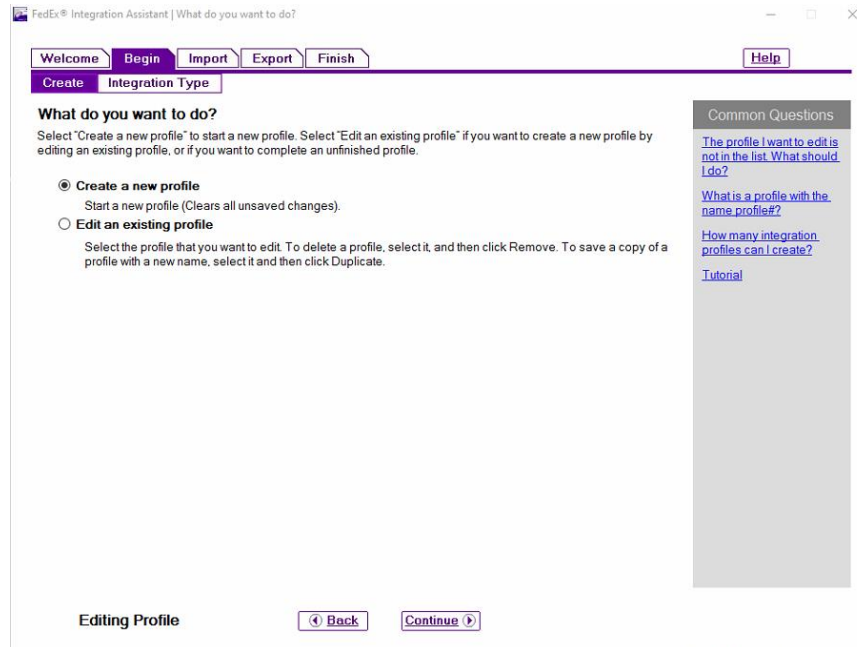
FedEx Integration

FedEx Integration – Begin - Integration Type

Which type of integration profile do you need?

Choose "Both Import and Export"

Is this an LTL Freight Profile?

Choose "No"

Click on the "Continue" button

Notes:

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FedEx Integration

FedEx® Integration Assistant | Where do you store your shipping information?   — □ ✕

| Welcome | Begin | Import | Export | Finish | Help

| Source | Format | Shipping | Lookup | Information | Match | Conversion |

Where do you store your shipping information?
Select the source of the shipping information that you want to integrate. Your data source may be an ODBC-compliant data source, a text file, a xml file, or other external application (QuickBooks, etc.).
Learn More...

Common Questions

◉ **ODBC**   (Open Database Connectivity Data Source Name)   Change Login
FedEx Integration Assistant has found the following ODBC-compliant data sources registered on this computer. If your data source is not in the list, use ODBC Data Source Administrator to locate and register the DSN.
NOTE: Only advanced Windows/database users should use ODBC Data Source Administrator. Contact your IT department for assistance.

Data Source Name	Provider
○ Excel Files	Microsoft Excel Driver (*.xls, *.xlsx, *.xlsm, *.xlsb)
○ MS Access Database	Microsoft Access Driver (*.mdb, *.accdb)
○ UV/ODBC Sales Sample	UniVerse ODBC Driver
○ UV/ODBC Service Sample	UniVerse ODBC Driver
◉ uds.frt.odbc	UniVerse ODBC Driver

○ **Text File**
○ **Other**

My DSN is not in the list. What should I do?

What is ODBC Data Source Administrator?

What do I need to know about my data source?

How should I set up my integration to Excel?

What is a text file?

What do I need to know about Integrating to UNIX files?

Tutorial

Editing Profile   ◀ Back   Continue ▶   Save

FedEx Integration – Import – Source

Where do you store your shipping information?

Select "ODBC"

Data Source Name

Select the data source you created earlier. It should be "ACCOUNTNAME.ODBC".

At the bottom of the screen, click "Continue"

Notes:
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FedEx Integration

FedEx Integration – Import – Shipping

How will you create shipping labels for your packages?

Do you print labels one at a time? Select Yes

Do you use a unique name or code to look up each package? Select Yes

Do you need to edit shipping information before printing the label? Select Yes

Click the 'Continue' button at the bottom of the screen.

Notes:

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FedEx Integration

FedEx Integration – Import – Lookup

How do you want to lookup and import information?

Select **'After I enter a lookup value'**

Click on the 'Continue' button at the bottom of the screen.

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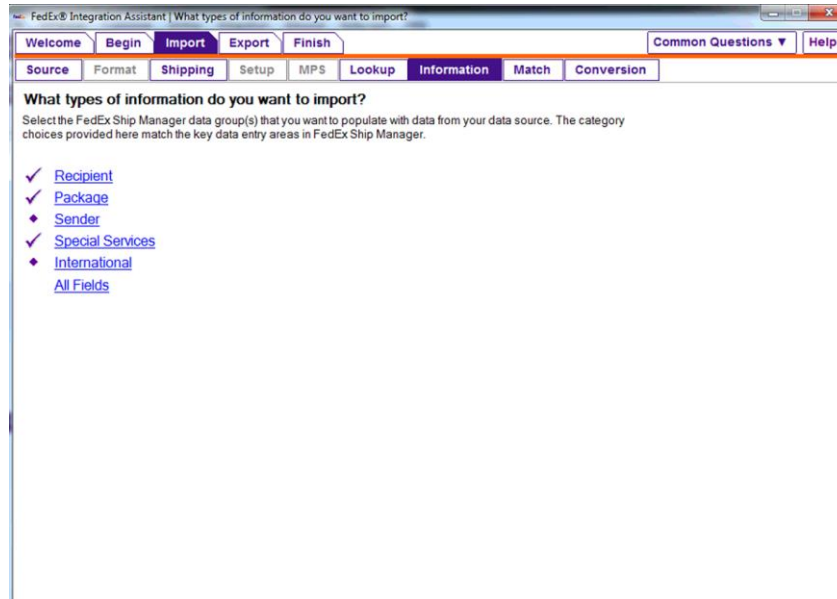
FedEx Integration

FedEx Integration – Import – Information

What types of information do you want to import?

There are 3 types: Recipient, Package and Special Services. To begin, click on the Recipient link.

Notes:

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FedEx Integration

FedEx Integration – Import – Information

Click on **Recipient**

Under **Address** click on:

Address 1

Address 2

City

Company

Country

Contact Name

Phone

Postal Code

State/Province

Then click on the 'OK' button

Notes:

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FedEx Integration

FedEx Integration – Import – Information

Next click on **Package**

under **Billing** click on:

Bill Transportation To

and Scroll down

Notes:

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FedEx Integration

Under the section, **Miscellaneous**, click on:

Residential Delivery Flag

Under the section, **Package** click on:

Package Type

Under the section, **Reference** click on:

Customer Reference
Invoice Number

Then scroll down

Notes:

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FedEx Integration

FedEx Integration – Import – Information

Under the section, **Miscellaneous**, click on:

Residential Delivery Flag

Under the section, **Reference** click on:

Notes
Shipment ID
Customer Reference
Invoice Number
P.O. Number

Under the section, **Service Type** click on:

Service Type

Under the section, **Weight** click on:

Weight

Then click OK

Notes:

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FedEx Integration

Next click on **Special Services**

Under the section, **Saturday Services** click on:

Delivery Flag

Then scroll down

Notes:

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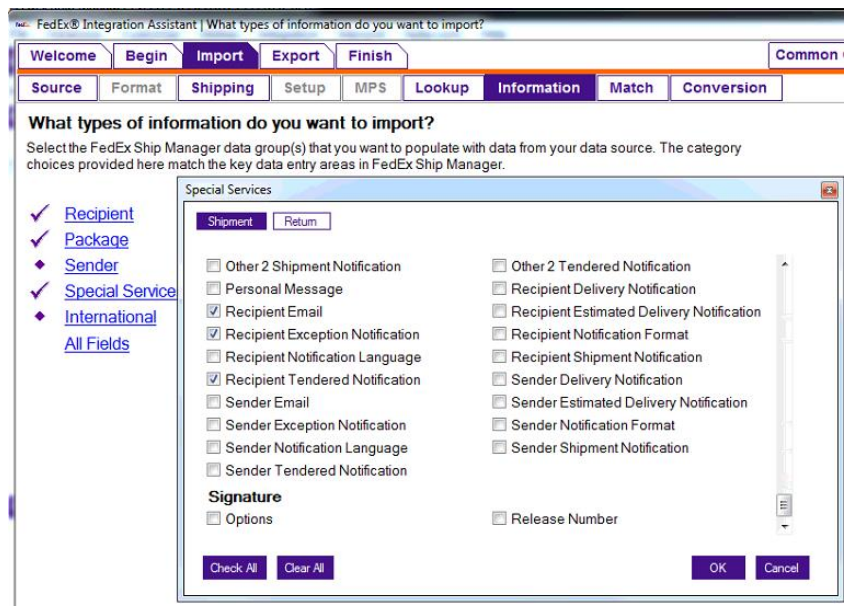
FedEx Integration

Under the section **Ship Alert** click on:

Recipient Email
Recipient Exception Notification
Recipient Tendered Notification

Then click on the 'OK' button

Notes:

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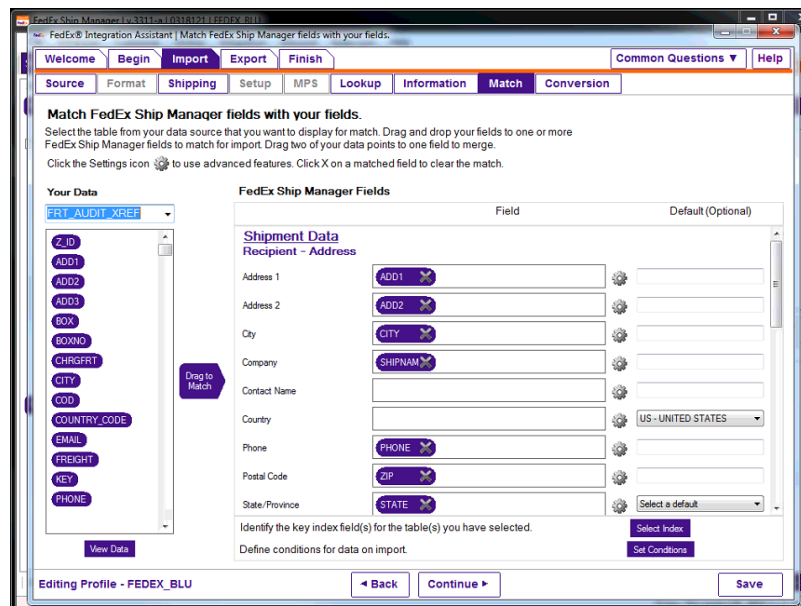
FedEx Integration

FedEx Integration – Import – Match

Match FedEx Ship Manager fields with your fields.

Under **Your Data** map the fields to the FedEx Ship Manager Fields Shipment section:

File is FRT_AUDIT_XREF under **Your Data** drag fields to the FedEx Ship Manager Fields

Shipment
Recipient - Address
Address 1 -> ADD1
Address 2 -> ADD2
City -> CITY
Company -> SHIPNAME
Phone -> PHONE
Postal Code -> ZIP
State/Province -> STATE

Scroll down

Notes:

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The Systems House, Inc.

FedEx Integration

FedEx Integration – Import – Match
Continued

Package – Miscellaneous

Residential Delivery Flag -> Residential

Package – Reference

Customer Reference -> Release

Then scroll down

Notes:

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FedEx Integration   23

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FedEx Integration

FedEx Integration – Import – Match
Continued

Package – Reference

Shipment ID -> BOXNO

Package - Weight

Weight -> WEIGHT

Special Services – Saturday Services

Delivery Flag –> SATURDAY DELIVERY

Special Services – Ship Alert

Recipient Email -> Email

Notes:

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FedEx Integration

FedEx Integration – Export – Destination

Where do you want to send shipping information?

Select 'ODBC'

Under **Data Source Name** select the data source you created earlier

Click on the 'Continue' button at the bottom of the screen

Notes:

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The Systems House, Inc.

FedEx Integration

FedEx Integration – Export – Method

How will your data source receive exported information?

When do you want to export to your data source?

Select 'Each time a shipment is completed'. Also make sure to check off 'Also export each time a package is deleted.'

How do you want to update your data source?

Select 'Insert a new record'

When a package is deleted how do you want to update your data source

Select 'Remove record'

Make sure 'Include manual shipments' is checked.

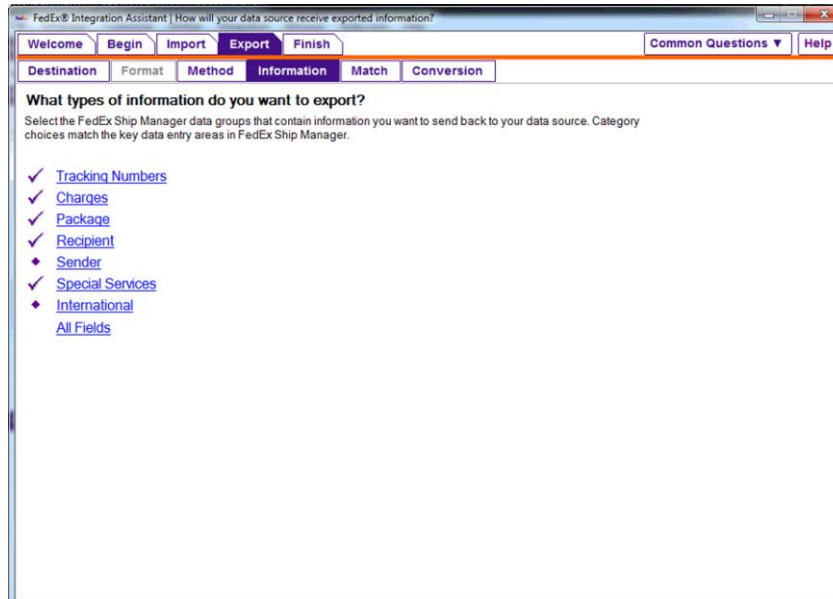Click on the 'Continue' button at the bottom of the screen

Notes:

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FedEx Integration

FedEx Integration – Export – Information

What types of information do you want to export?

There are 5 types: Tracking Numbers, Charges, Package, Recipient, and Special Services. To begin, click on the Tracking Numbers link.
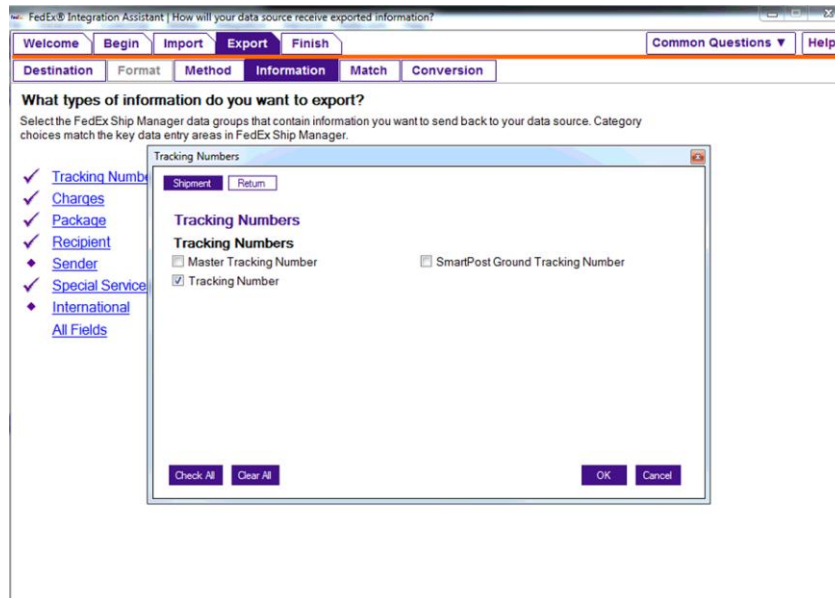
Notes:

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FedEx Integration

FedEx Integration – Export – Information

Under **Tracking Numbers** select:

Tracking Number

Then click on the 'OK' button

Notes:

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FedEx Integration

FedEx Integration – Export – Information

Under **Charges** select:

Total Customer Charge

Then click on the 'OK' button

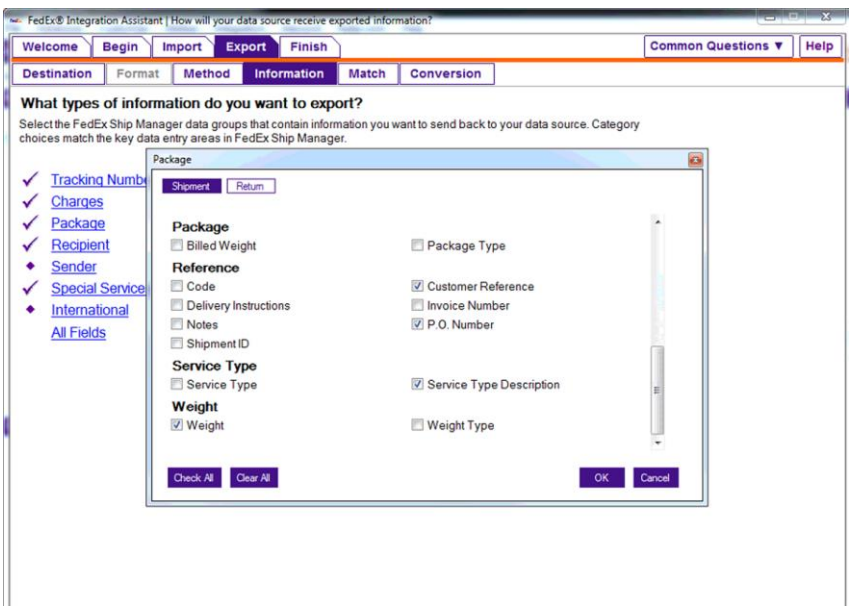**Notes:**

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FedEx Integration

FedEx Integration – Export – Information

Under **Package** select:

Reference

Customer Reference
P.O. Number
Service Type

Service Type

Service Type Description

Weight

Weight

Then click the OK' Button

Notes:

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The Systems House, Inc.
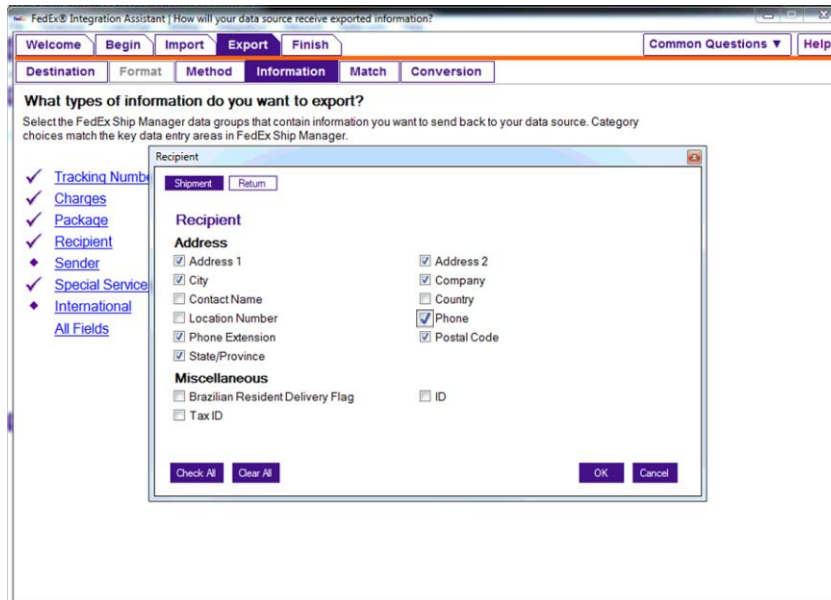
FedEx Integration

Select **Recipient** and click on:

Address

Address 1
City
Phone Extension
State/Province
Adress 2
Company
Phone
Postal Code

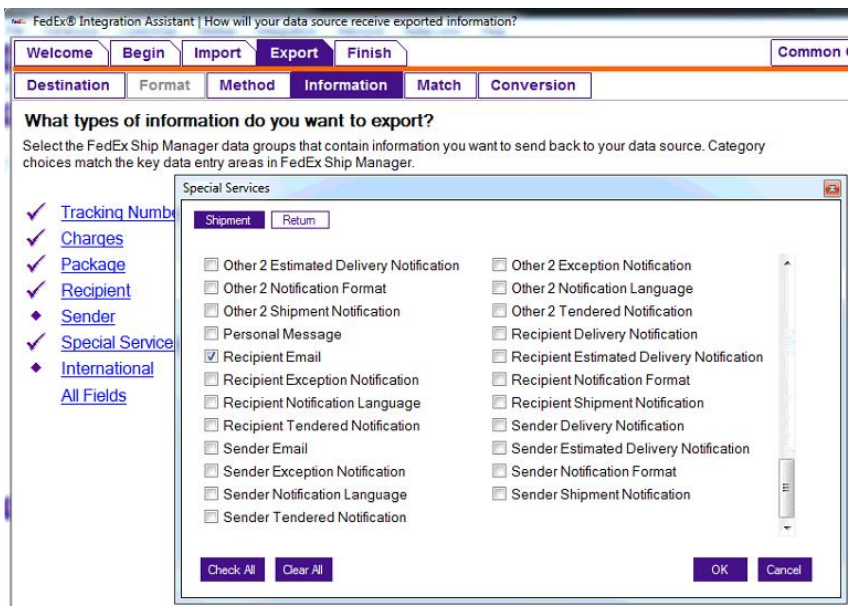Then click on the 'OK' button

Notes:

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FedEx Integration

FedEx Integration – Export – Information

Select **Special Services** scroll to the bottom, and click on:

Recipient Email

Then click on the 'OK' button

Notes:

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FedEx Integration

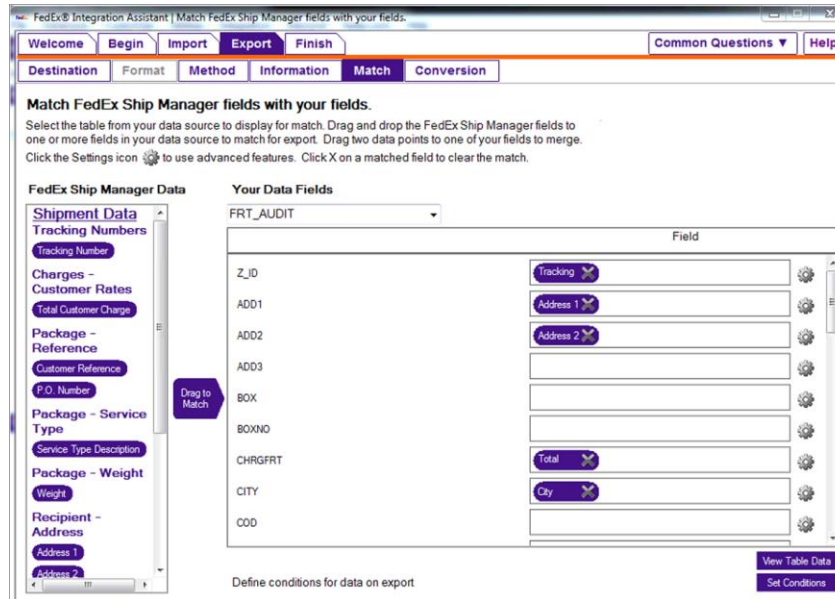Now click on the 'Continue' button

Notes:

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FedEx Integration

FedEx Integration – Export - Match

Match FedEx Ship Manager fields with your fields.

Under FedEx Ship Manager Data with fields from **Your Data Field** section:

Drag fields from the FedEx Ship Manager Data to the FRT_AUDIT file under **Your Data Fields**

Z_ID -> Tracking
ADD1 -> Address 1
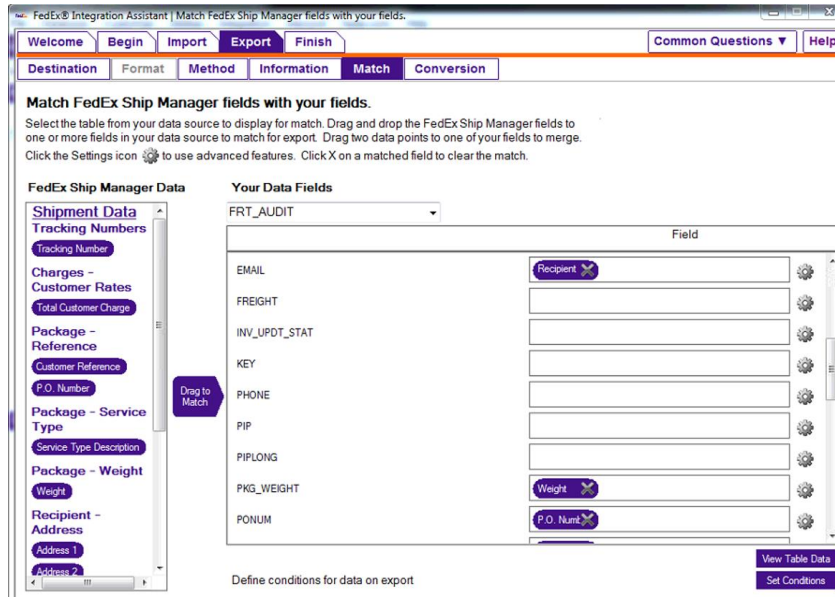ADD2 -> Address 2
CHRGFRT -> Total
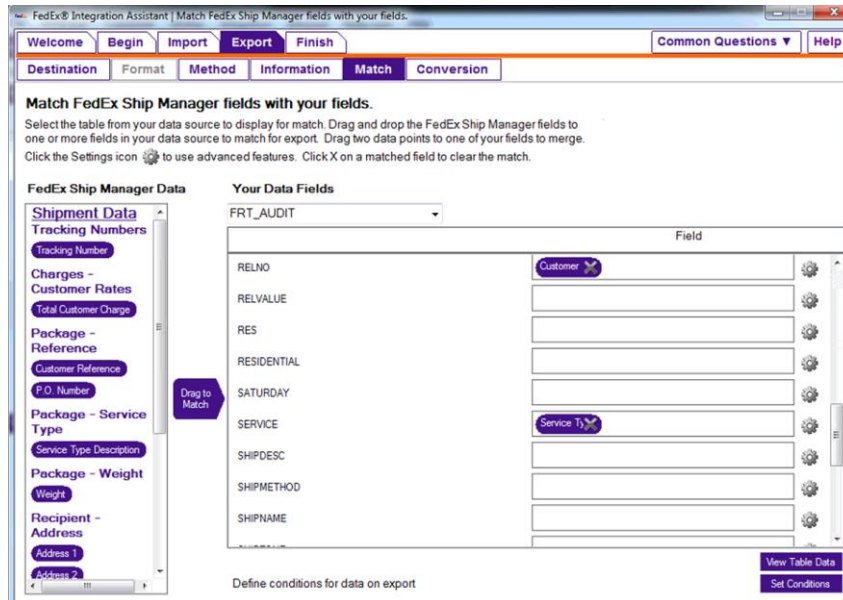CITY -> City

Notes:

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FedEx Integration

FedEx Integration – Export – Match
Continued

Match FedEx Ship Manager fields with your fields.

Under FedEx Ship Manager Data with fields from **Your Data Field** section:

Drag fields from the FedEx Ship Manager Data to the FRT_AUDIT file under **Your Data Fields**

Email -> Recipient
PKG_WEIGHT -> Weight
PONUM -> P.O. Num

Notes:

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The Systems House, Inc.

FedEx Integration

FedEx Integration – Export – Match
Continued

Match FedEx Ship Manager fields with your fields.

Under FedEx Ship Manager Data with fields from **Your Data Field** section:

Drag fields from the FedEx Ship Manager Data to the FRT_AUDIT file under **Your Data Fields**
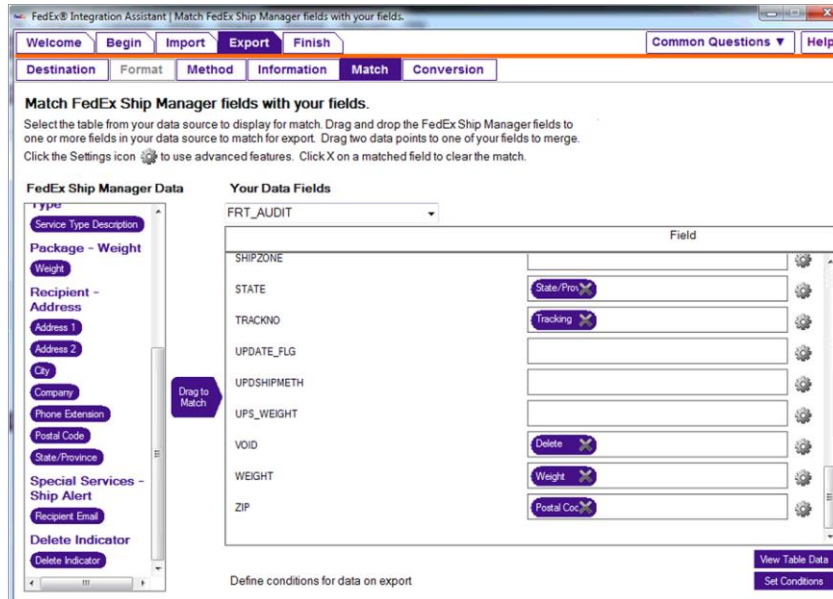
RELNO -> Customer
SERVICE -> Service Type

Notes:

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The Systems House, Inc.

FedEx Integration

FedEx Integration – Export – Match
Continued

Match FedEx Ship Manager fields with your fields.

Under FedEx Ship Manager Data with fields from **Your Data Field** section:

Drag fields from the FedEx Ship Manager Data to the FRT_AUDIT file under **Your Data Fields**

STATE -> State/Province
TRACKNO -> Tracking
VOID -> Delete
WEIGHT -> Weight
Zip - > Postal Code

Click on the 'Continue' button at the bottom of the screen.

Notes:

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FedEx Integration

FedEx Integration – Finish – Summary

A summary is displayed of the mappings. You can click on the button 'Printable Version' to save a copy.

Click on the 'Continue' button at the bottom of the screen.

Notes:

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FedEx Integration

FedEx Integration – Finish – Instructions

Congratulations, your integration profile is complete.

Click on the 'Finish' button at the bottom of the screen.

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FedEx Integration

FedEx Integration

Turn on the Integration between MDS and FedEx

Go to **Integration -> MDSFreight**

A **Lookup Value** box will display. This is where you will input or scan the release number

Notes:

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Comments:

Where to Get More Information

- To contact support call 973-777-8050 or fax 973-777-3063.
- To access the The System's House website the address is: www.tshinc.com.
- TSH Support site login is:

  http://support.tshinc.com/

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