

Oracle® Documaker Desktop

Using the PPS Reporting Tool

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Chapter 1

Getting Started

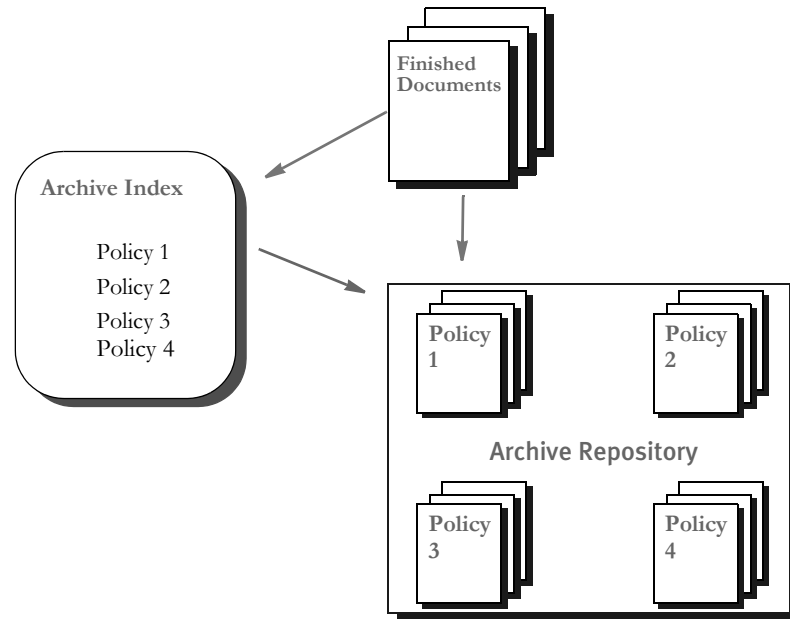
This manual discusses how you can use the PPS Reporting Tool to select and retrieve information stored in your PPS archives.

This chapter includes information on these topics:

- [Overview on page 2](#)
- [What's Included? on page 3](#)
- [Requirements on page 4](#)
- [Installing the PPS Reporting Tool on page 5](#)

OVERVIEW

The PPS product includes an archive of completed policy documents. You can retrieve documents from archive for viewing or reprinting, or as a source of data for new transactions.



The PPS archive is not a database, but it does have an index for searching a repository of compressed documents.

The completed documents in the archive are more than just pictures of what was printed. These documents are intelligent and are potential sources of valuable business information. The documents are comprised of references to forms in the library and each form is a container of the variable data that was put onto the form.

The archive is, in essence, a warehouse of valuable data — if only there was a way to query this archive and extract this valuable business data asset and use it in reports. Now there is a way — the PPS Reporting Tool.

The PPS Reporting Tool adds data mining and reporting capabilities to the PPS archive. With this add-on tool, the PPS archive becomes a valuable source of business intelligence— an asset to be tapped for a myriad of reporting needs.

WHAT'S INCLUDED?

The PPS Reporting Tool includes a Designer for creating and modifying [ARX Report Files](#). Once the report is generated, more options are available such as exporting the data to a Microsoft Excel file, a well-formed XML document, loading the new database table within Microsoft Access or even allowing an external application to run and manipulate the output table. Once manipulated, the new data can then be exported using the same options as above. There is no limit to the number of different .ARX files that can be created, and therefore no limit to the number of reports that can be created. There are certain options that allow the program to run against a completed .ARX file from the command line.

The PPS Reporting Tool also includes:

- The PPS MRL-to-Database Converter
- The PPS Archive Data Mining Engine
- The Lloyds Bordereau Example MRL

USING THE PPS MRL-TO-DATABASE CONVERTER

The converter is a utility program that reads a PPS master resource library (MRL) and creates a Microsoft Access database of the groups, forms, FAP files, and variable data fields used by the forms in the library. This database is used by the Reporting Tool to provide easy mapping to source data. You can run the utility from the Reporting Tool or from the command line. Once created, you can use the database with other applications or reporting tools.

NOTE: For more information on this utility, see [Appendix B: Using the FDT2DB Utility on page 121](#).

USING THE PPS ARCHIVE DATA MINING ENGINE

The Archive Mining Engine runs an .ARX file to populate a Microsoft Access database table containing one or more rows of data from each selected archived transaction. See [Appendix C: Data Types and Formats on page 127](#) for more information.

THE LLOYDS BORDEREAU EXAMPLE MRL

The Reporting Tool includes an example MRL with a working PPS system. For more information on this MRL, see [Using the Lloyds Bordereau Example MRL on page 9](#).

Oracle Insurance's Professional Services can also help you make modifications and get additional reports working. Remember, however, the data in the report can only be as good as the data in the archive.

REQUIREMENTS

The following software and hardware components are a minimum of what you need to run the Reporting Tool. Newer versions of these software packages and/or a more powerful system can improve performance. In addition, you will find information on setting up Windows user accounts.

Software requirements

To use the PPS Reporting Tool, you should have these software systems:

- Any version of PPS
- A PDF file viewer to view FAP files as PDF files
- Microsoft Windows XP (SP2), Vista (Business, Enterprise, and Ultimate Editions)
- Microsoft .Net Framework 2.0. For more information, go to this web site:
<http://msdn2.microsoft.com/en-us/library/aa480241.aspx>
- Microsoft Core XML Services (MSXML6.0)
- Microsoft Internet Explorer 5.1 (Not required to be your default internet browser)
- Microsoft Windows Installer 3.1. This is required for Microsoft Core XML Services (MSXML6.0).
- Microsoft Access (from Microsoft Office 2000 or higher.)
- Microsoft Excel is recommended and is required for the Lloyds Bordereau Report Example (from Microsoft Office 2000 or higher.)

Hardware requirements

To run the PPS Reporting Tool, your computer must meet or exceed this hardware requirements:

Processor	800 MHz
Memory	256 MB
Hard drive space	330 MB (280 MB*, 50 MB PPS Reporting Tool)
Display	1024 x 768 High Color

User account requirements

The Windows user accounts you set up must have these privileges:

- Computer Registry Read & Write access privileges
- Hard Disk Read & Write access privileges

Please contact your System Administrator for questions regarding these privileges.

INSTALLING THE PPS REPORTING TOOL

Before you install the PPS Reporting Tool, make sure you...

- Log in as the Administrator or as a user with Administrative rights.
- Close all other programs before you start the installation process.
- Have Internet access. This is required to install Microsoft .Net Framework.

After you finish, perform a Windows Update to make sure you have all of the latest security patches for the Microsoft products installed. Follow these steps to install the Reporting Tool:

Starting the install

Place the installation CD into your CD ROM drive. The installation should start automatically.

NOTE: If the installation does not automatically start, open Windows Explorer, click on your CD ROM drive and double-click the setup.exe file.

Installing the required dependencies

The installation automatically searches for and installs (with your permission) the required software packages, except Microsoft Access and Microsoft Excel (see [Software requirements on page 4](#) for more information). If you cancel any of the required dependencies, the installation ends and is incomplete.

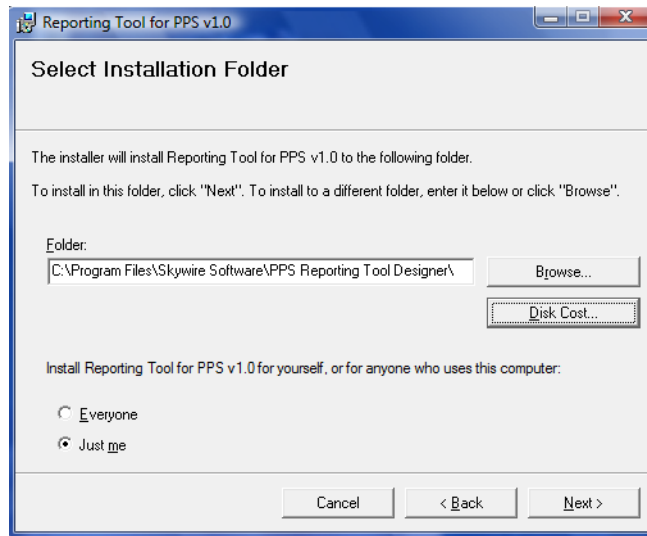
During this process Windows might prompt you to restart your computer. When your computer has restarted, please restart the install for the Reporting Tool to continue.

Starting the Installation

After the dependencies are checked, the installation for the Reporting Tool starts. Follow these steps:

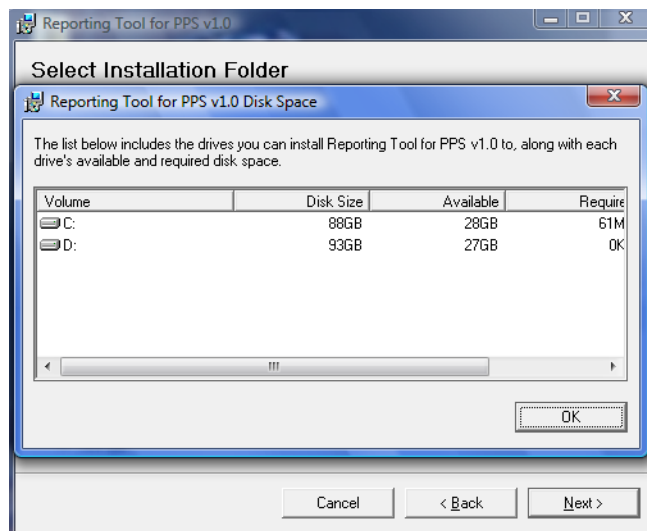


1 Click Next. The Select Installation Folder window appears:

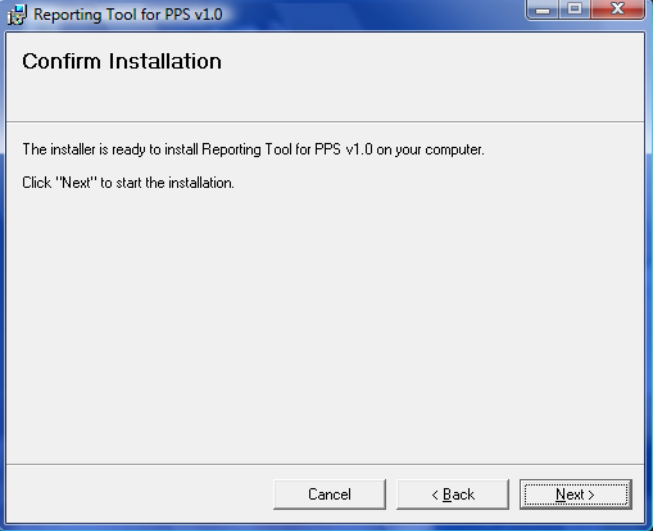


- 2 You can change the default installation drive, folder, and who can access the application from here or click Next to accept the defaults and continue.

If you need to choose a different drive, click the Disk Cost button to see which drives are available and how much space is required and available to you.



- 3 Click Next to confirm your selections and finish the installation. The Confirm Installation window appears.



Chapter 2

Using the Lloyds Bordereau Example MRL

This MRL (master resource library) includes example Lloyds forms and a sample PPS archive. This can be used as a tutorial on how to use the Reporting Tool Designer to generate reports.

This MRL is just an example and is not a complete representation of the data that is required by a Lloyds syndicate for Lloyds Bordereau reporting.

This chapter discusses the following topics:

- [What's Included in the Lloyds Bordereau Example? on page 10](#)
- [Setting Up the Example MRL in the Reporting Tool on page 11](#)
- [Setting Up the Example MRL in Documaker Workstation \(PPS\) on page 45](#)

WHAT'S INCLUDED IN THE LLOYDS BORDEREAU EXAMPLE?

The example PPS MRL is installed in the same location as the PPS Reporting Tool, in a directory named *Lloyds Bordereau Example MRL*. Here is a summary of the subdirectory structure and file contents of each directory:

Arc	This directory contains all of the archived transactions.
DefLib	This directory contains the form definitions file (FORM.DAT), font system files, and sample DAL files.
DALAPPIDXFieldLookup.DAL	This example DAL script that returns a value by what transaction type is used for a policy.
DALDateRangeFilter.DAL	This example DAL script that filters records by looking at a specific variable field's value.
Forms	This directory contains the FAP files used in this MRL.
DEC1.FAP	Example policy declarations form.
DECADD.FAP	Example additional location and mortgage holder form.
DEDW5.FAP	Example wind coverage inclusion form.
DEDWX.FAP	Example wind coverage exclusion form.
PDF	This directory contains individual PDF files for each transaction that is included in the archive. You can use these as a reference of the data entered in the transaction when it was completed. The name of each file contains the policy number and date the policy was completed.
WIP	This directory contains all of the work-in-progress items if this MRL is set up with your current Documaker Workstation (PPS) environment.

In addition, you will find these files in the Lloyds Bordereau Example MRL directory:

- ExampleRecordLayout.xls

This is a Microsoft Excel document that contains example column headings you can use for modeling the data record layout within the Guided Setup process. For more information, see [Model Data Record Layout Options Screen on page 66](#).

- FSIUSER.INI

This is a configuration file for this MRL.

- FSISYS.INI

This is a configuration file for this MRL.

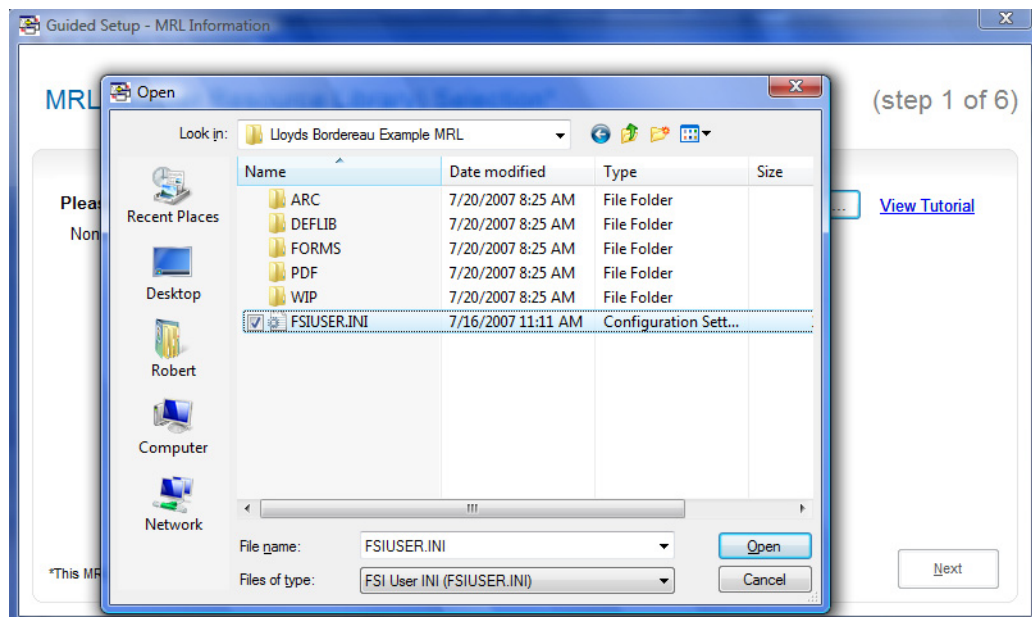
SETTING UP THE EXAMPLE MRL IN THE REPORTING TOOL

This topic helps you set up the Bordereau example MRL in the Reporting Tool. This can be useful for first time users. These instructions assume the MRL has not been set up. The following topics are included:

- [Using the Guided Setup to Set Up the Bordereau Example MRL on page 11](#)
- [Assigning Values to Destination Columns in the Record Layout on page 18](#)
- [Filtering Archive Transactions by Column Settings on page 27](#)

USING THE GUIDED SETUP TO SET UP THE BORDEREAU EXAMPLE MRL

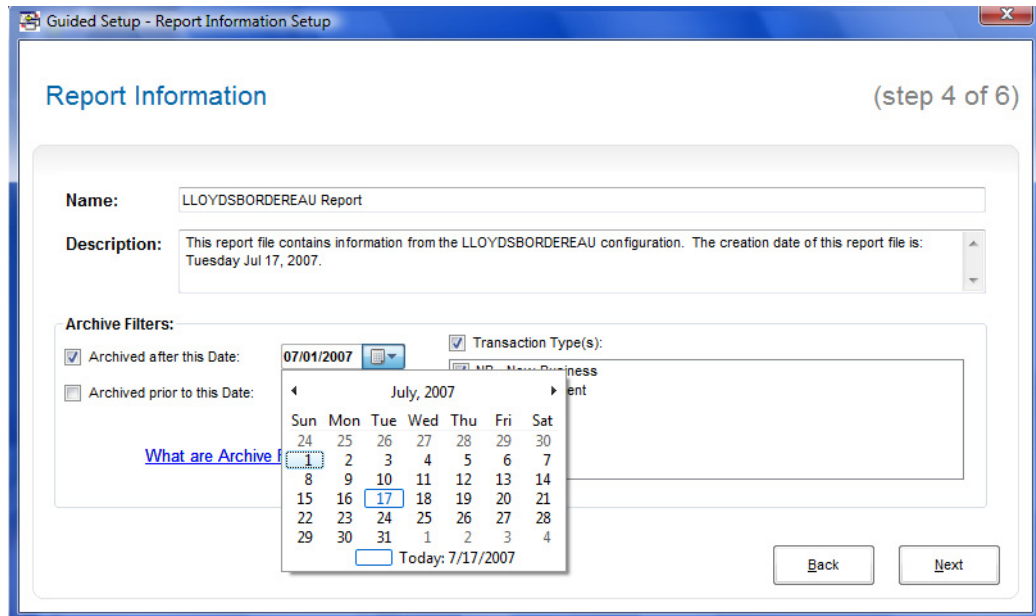
On step one, select the FSIUSER.INI file under the Lloyds Bordereau Example MRL and then click Next.



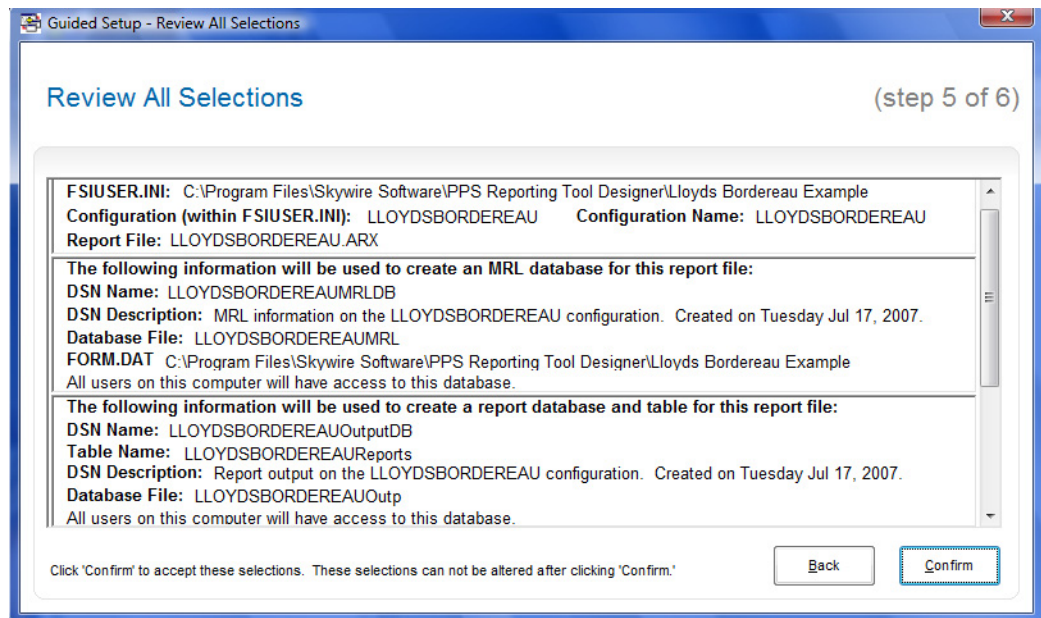
On steps two and three, simply click Next to set up the MRL database and your report output database with the default settings for the configuration. Here are example screens of what you will see.

On step four, select the Archived after this Date checkbox, enter **07/01/2007**, deselect all of the Transaction Types except NB – New Business, and click Next.

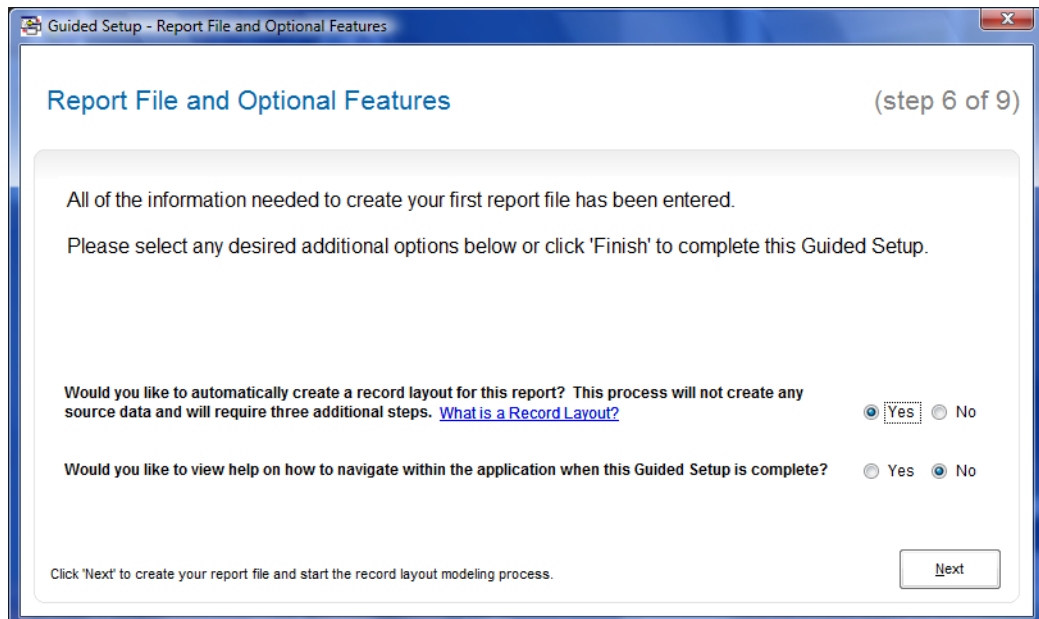
NOTE: The transactions in the example archive were all completed as NB - New Business. Other transaction types can be entered and completed to archive if the Example MRL is set up in your PPS environment. For more information, see [Setting Up the Example MRL in Documaker Workstation \(PPS\) on page 45](#).



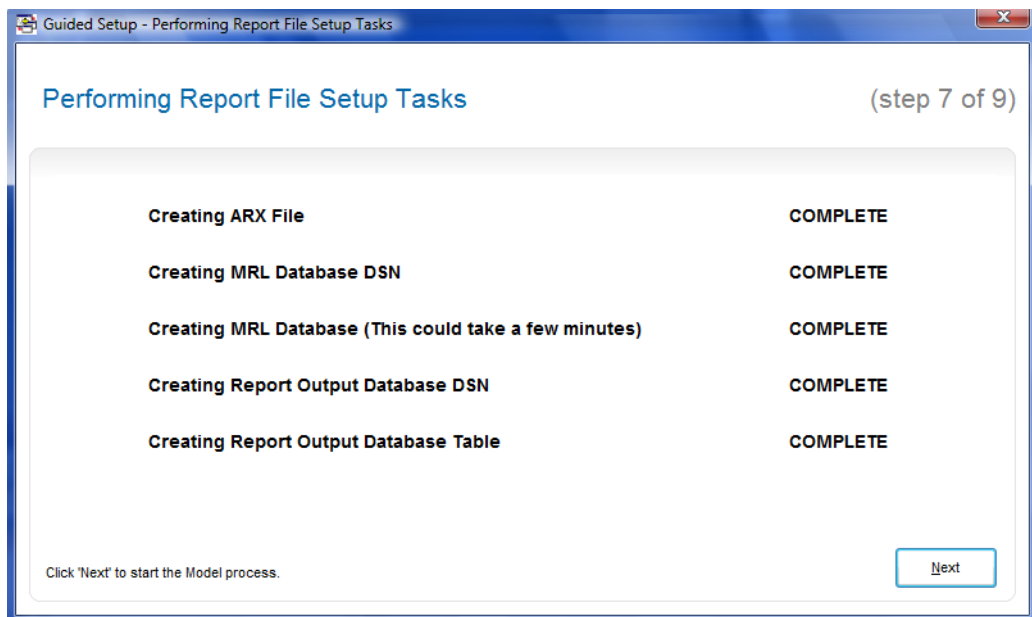
On step five, simply click Next to confirm all of the current selections.



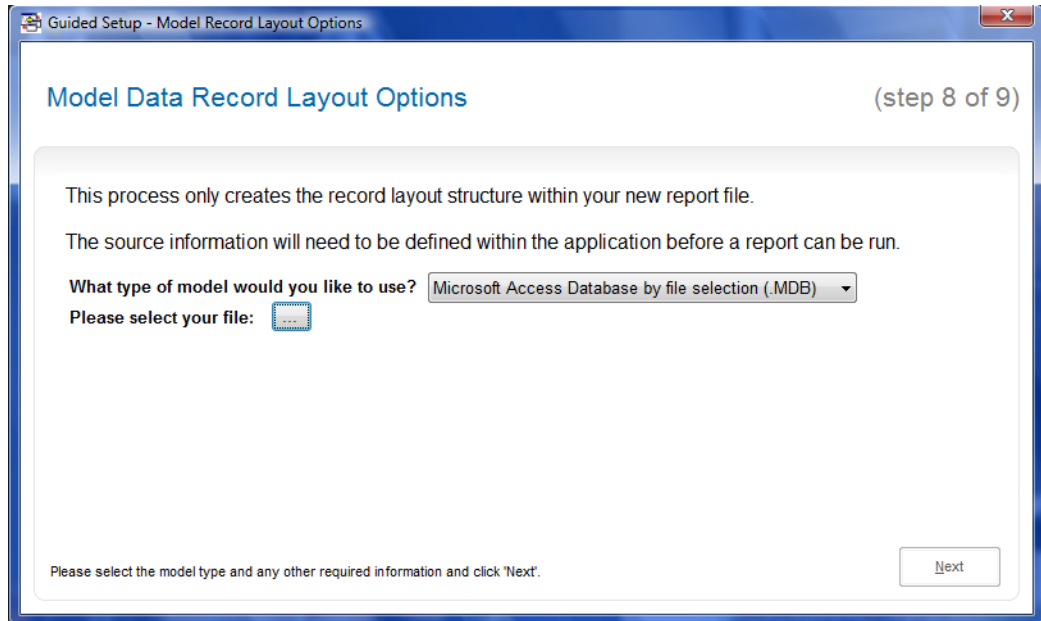
On step six, select Yes for the automatically creating a record layout question and click Next.



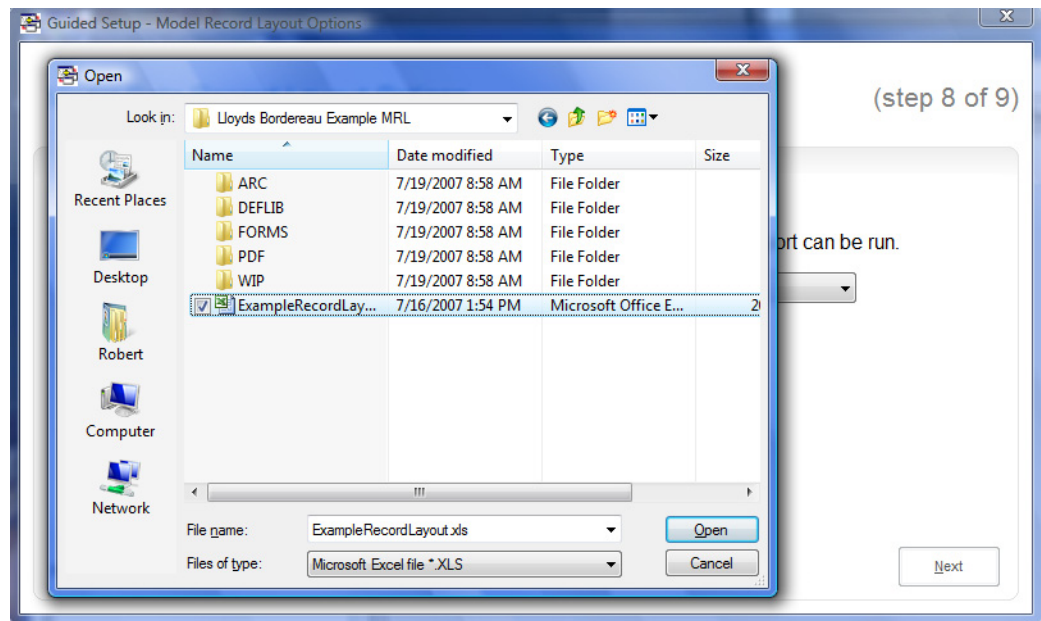
On step seven, click Next when all tasks have been completed.



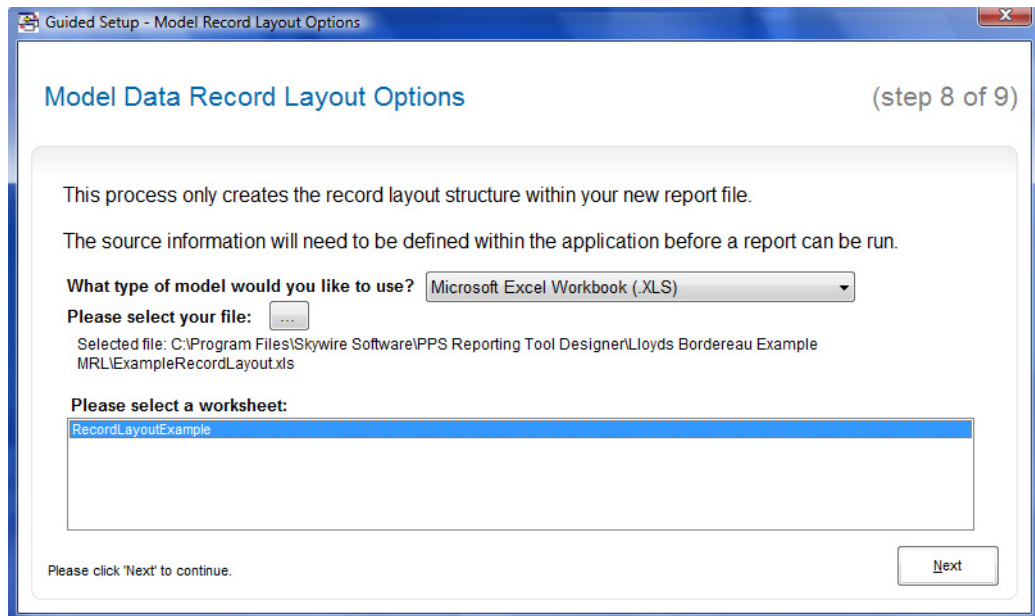
On step eight, select the Microsoft Excel Workbook (.XLS) model type, click on the button to select the ExampleRecordLayout.xls file, select the RecordLayoutExample worksheet from the list, and click Next. See the following screens for a reference.



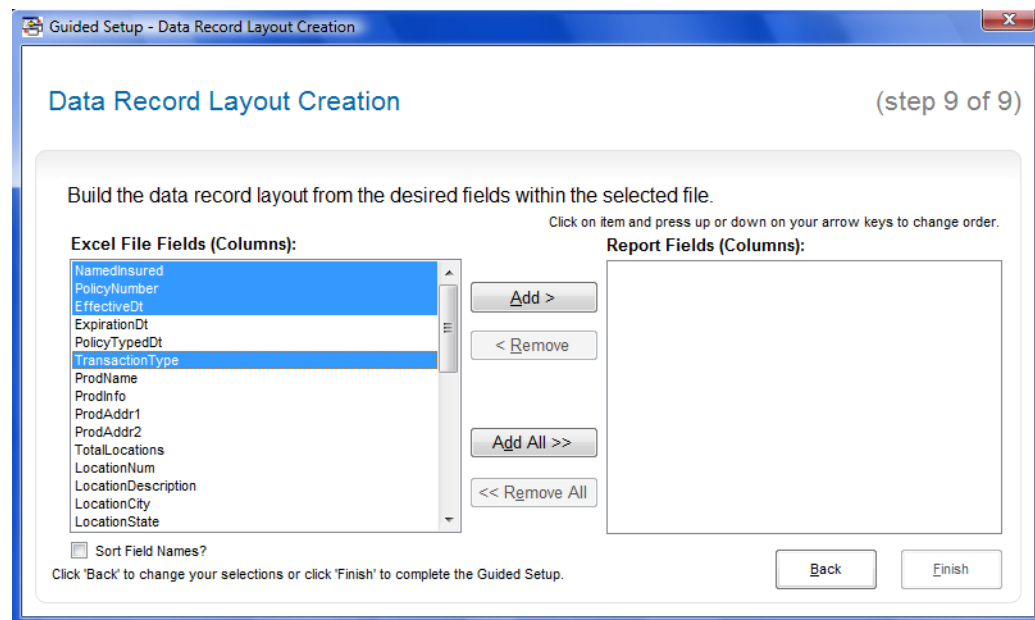
Select the ExampleRecordLayout.xls file as shown here:

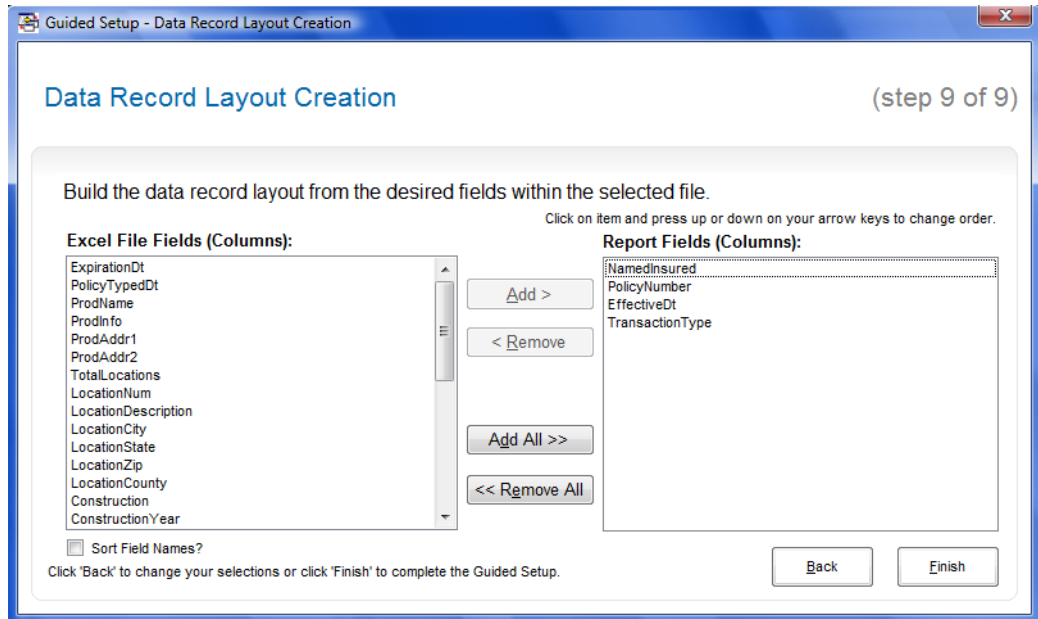


Select the RecordLayoutExample Worksheet.



On step nine, select the fields that are selected in the first screen below on the Excel File Fields list, click Add and then click Finish. See the following screens for a reference.





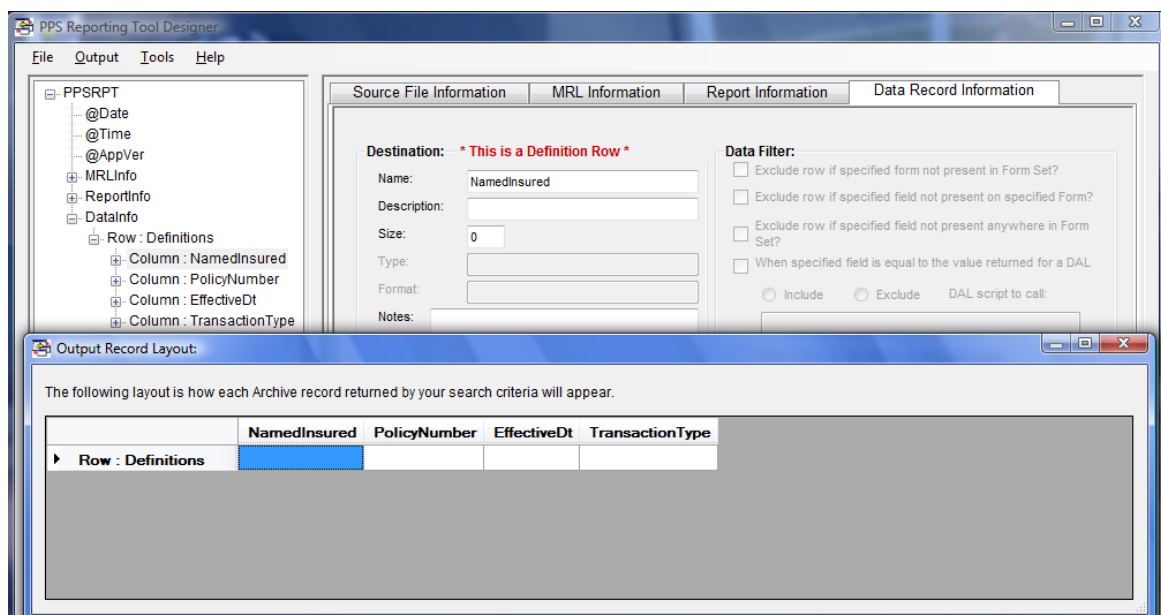
Go to [Assigning Values to Destination Columns in the Record Layout](#) on page 18.

ASSIGNING VALUES TO DESTINATION COLUMNS IN THE RECORD LAYOUT

The record layout is a combination of rows and columns. Each of these columns within the record layout needs to have a source applied to it for that column to have data within the output. Columns can have a different source defined on each of the rows defined within the record layout. The source data can be derived from a variable field or from a DAL script.

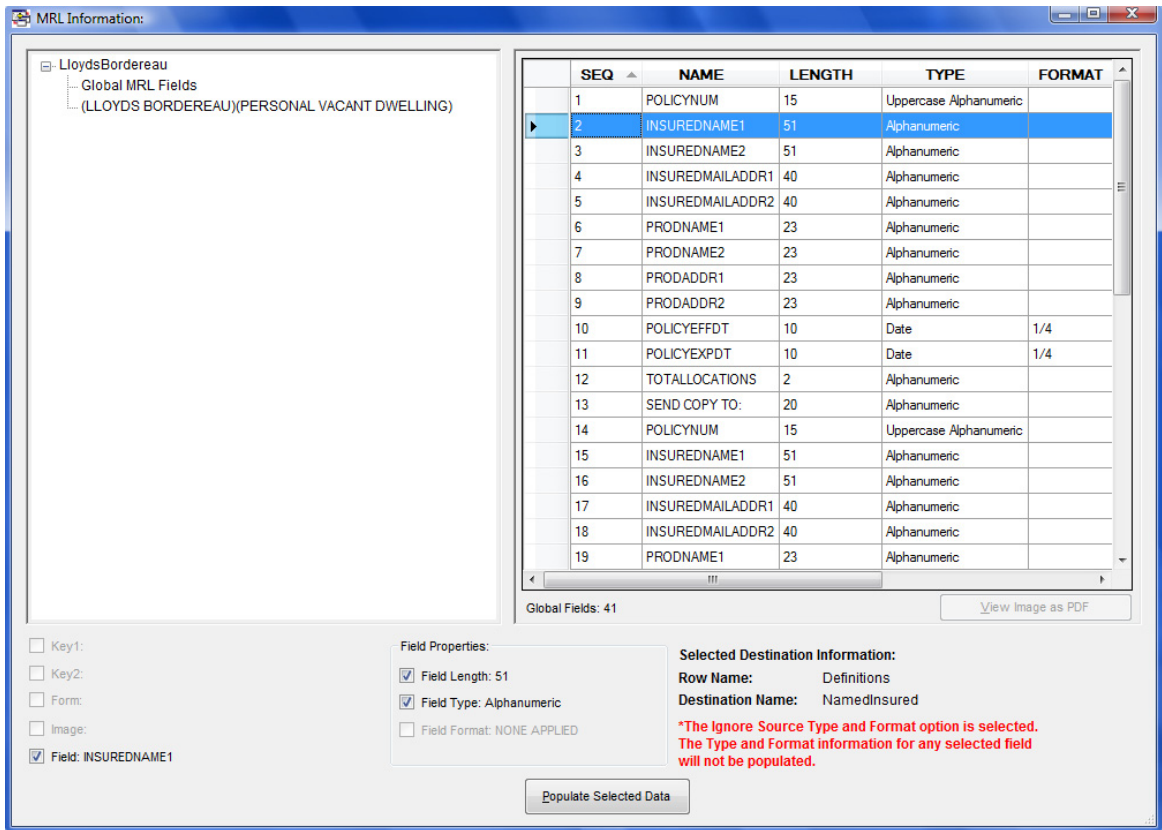
NOTE: For more information on DAL scripts, see [Appendix E: DAL Definition on page 132](#).

The Bordereau Example Record Layout you created in [Using the Guided Setup to Set Up the Bordereau Example MRL on page 11](#) has one row and four columns. This topic shows you how to populate source information for each destination column defined in this tutorial. This is done using the MRL database created during the setup process. See the following screen for a reference. Choose the Output, Report Record Layout option to go to this screen.



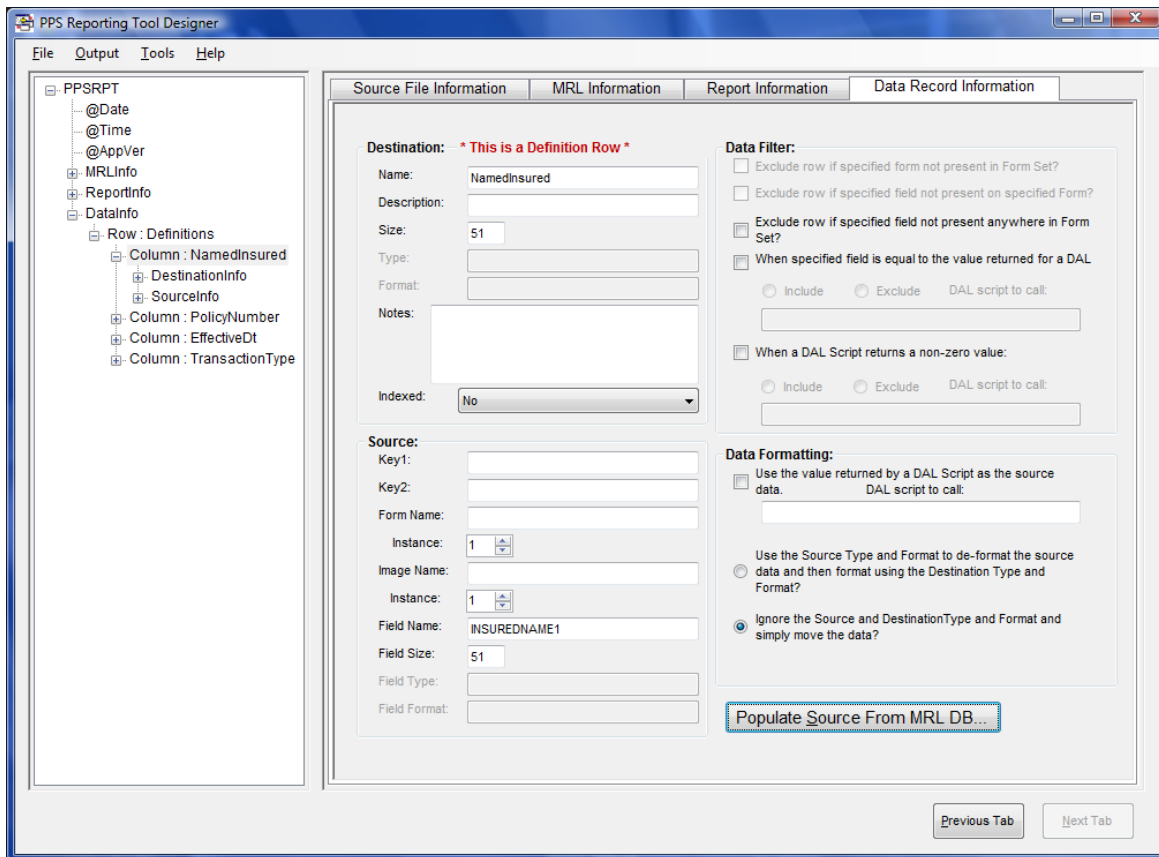
The first column is NamedInsured and you will access a global field in the example MRL named INSUREDNAME1. To make this source setting, click on the NamedInsured column on the left side of the main form. (Close the Output Record Layout screen if it is open.) The information tab changes to the Data Record Information tab.

Next click on the Populate Source From MRL DB button. This opens the MRL Information form. This form automatically loads on the variable fields within the MRL defined with a scope of global. Click on the field INSUREDNAME1 in the field list on the right side of this form. The Reporting Tool automatically fills in all of the possible information available for this field. Click on Populate Selected Data to assign this field as the source for the NamedInsured column. See the following screens for a reference.

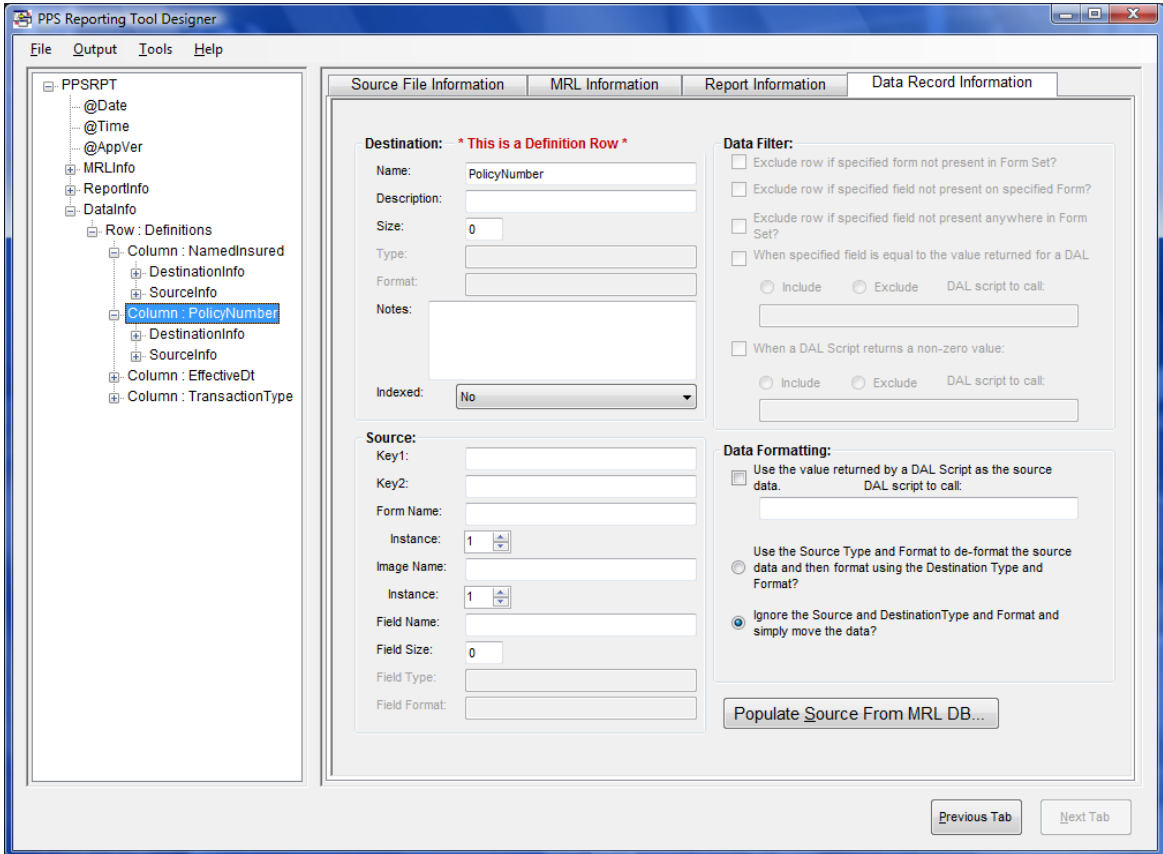


Notice that the destination size is automatically set to the same size as the selected field. You can modify this size, but for now make no changes as they could possibly truncate data.

NOTE: If the destination size is something other than zero, it will not be auto filled by the populate feature.



The next column to assign source data to is PolicyNumber. The variable field for this within the MRL is named POLICYNUM. To perform this source setting, click the PolicyNumber column on the left side of the main form. Next click on the Populate Source From MRL DB button. This opens the MRL Information form. Click on the field POLICYNUM within the field list on the right side of this form. Click on Populate Selected Data to assign this field as the source for the NamedInsured column. See the following screens for a reference.



Chapter 2

Using the Lloyds Bordereau Example MRL

The screenshot shows the 'MRL Information' dialog box. On the left, a tree view shows the hierarchy: LloydsBordereau > Global MRL Fields > (LLOYDS BORDEREAU)(PERSONAL VACANT DWELLING). The main area contains a table of fields with columns: SEQ, NAME, LENGTH, TYPE, and FORMAT. Row 1 is selected, showing POLICYNUM with a length of 15 and type of Uppercase Alphanumeric. Below the table, there are sections for 'Field Properties' (with 'Field Length: 15' and 'Field Type: Uppercase Alphanumeric' checked), 'Selected Destination Information' (with 'Row Name: Definitions' and 'Destination Name: PolicyNumber'), and a red warning message: '*The Ignore Source Type and Format option is selected. The Type and Format information for any selected field will not be populated.' A 'Populate Selected Data' button is at the bottom.

SEQ	NAME	LENGTH	TYPE	FORMAT
1	POLICYNUM	15	Uppercase Alphanumeric	
2	INSUREDNAME1	51	Alphanumeric	
3	INSUREDNAME2	51	Alphanumeric	
4	INSUREDMAILADDR1	40	Alphanumeric	
5	INSUREDMAILADDR2	40	Alphanumeric	
6	PRODNAME1	23	Alphanumeric	
7	PRODNAME2	23	Alphanumeric	
8	PRODADDR1	23	Alphanumeric	
9	PRODADDR2	23	Alphanumeric	
10	POLICYEFFDT	10	Date	1/4
11	POLICYEXPDT	10	Date	1/4
12	TOTALLOCATIONS	2	Alphanumeric	
13	SEND COPY TO:	20	Alphanumeric	
14	POLICYNUM	15	Uppercase Alphanumeric	
15	INSUREDNAME1	51	Alphanumeric	
16	INSUREDNAME2	51	Alphanumeric	
17	INSUREDMAILADDR1	40	Alphanumeric	
18	INSUREDMAILADDR2	40	Alphanumeric	
19	PRODNAME1	23	Alphanumeric	

Global Fields: 41

View Image as PDF

Key1:

Key2:

Form:

Image:

Field: POLICYNUM

Field Properties:

Field Length: 15

Field Type: Uppercase Alphanumeric

Field Format: NONE APPLIED

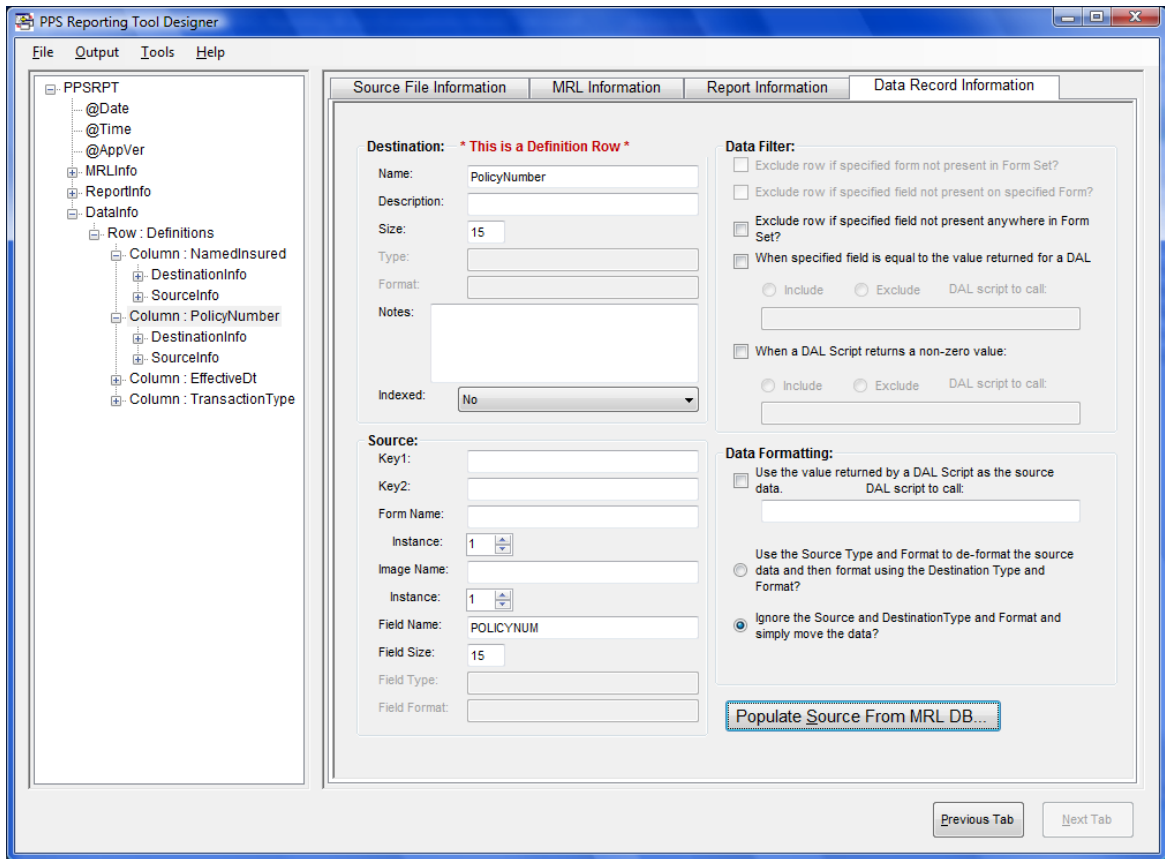
Selected Destination Information:

Row Name: Definitions

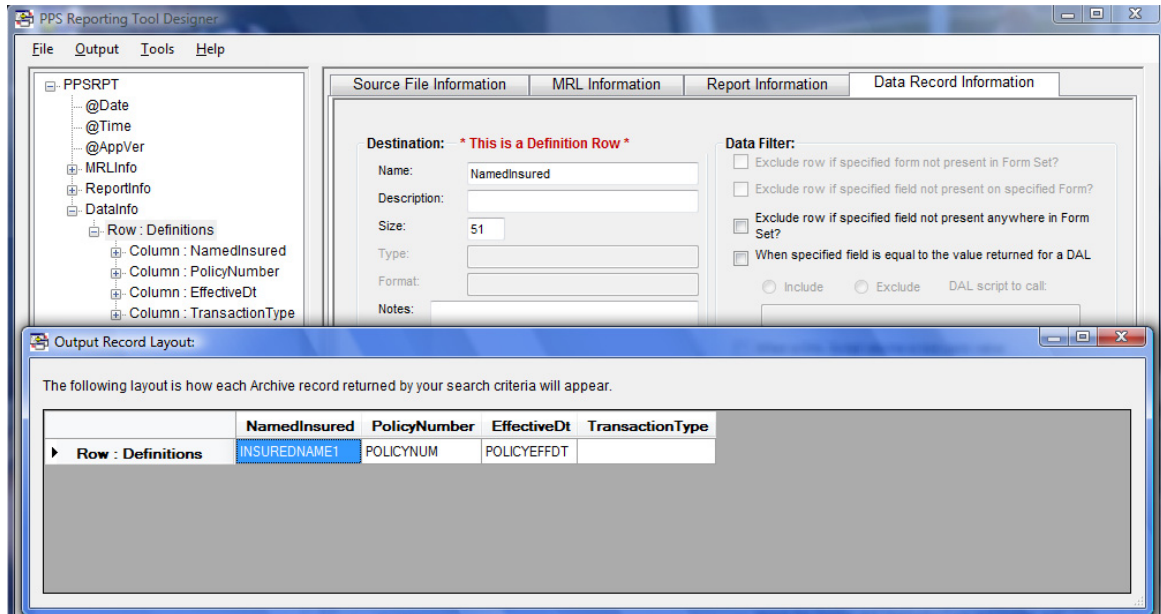
Destination Name: PolicyNumber

*The Ignore Source Type and Format option is selected. The Type and Format information for any selected field will not be populated.

Populate Selected Data



To assign the source data for the column EffectiveDt, use the same process as above and use the global field POLICYEFFDT. Now your record layout should look like the following screen. Notice that the variable field name used as a source for each column is filled in.



The last destination column, named TransactionType, will have its source value supplied by a DAL script. This script accesses the (APPIDX) Application Index field TRANCODE from the actual archived transaction and returns a textual representation.

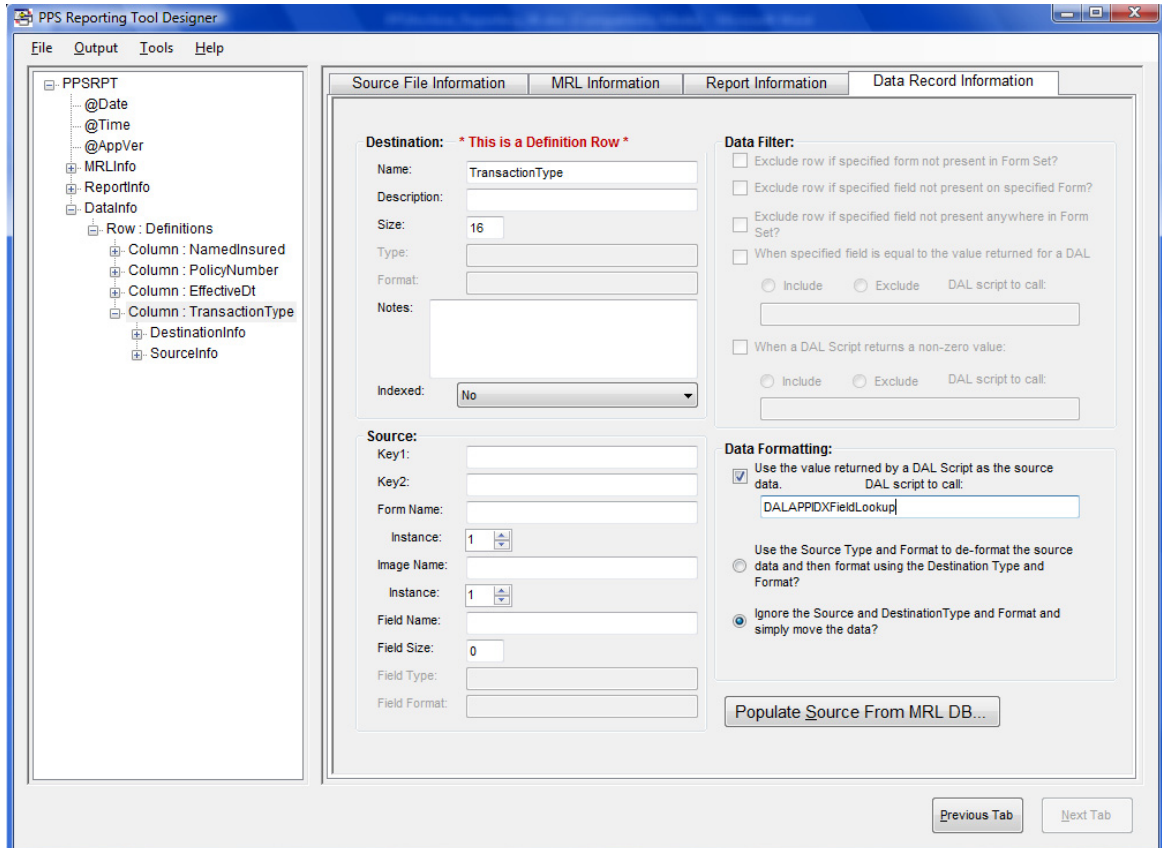
NOTE: For information on the contents of the DAL script, see [DALAPPIDXFieldLookup.DAL on page 132](#).

Follow these steps to assign the value returned from this DAL script as the source data. Click on the TransactionType column on the left side of the main form. Next, click on the Use the value returned by a DAL script as the source data checkbox on the lower right side of the Data Record Information tab. Then, enter the following script name in the text box under the checkbox:

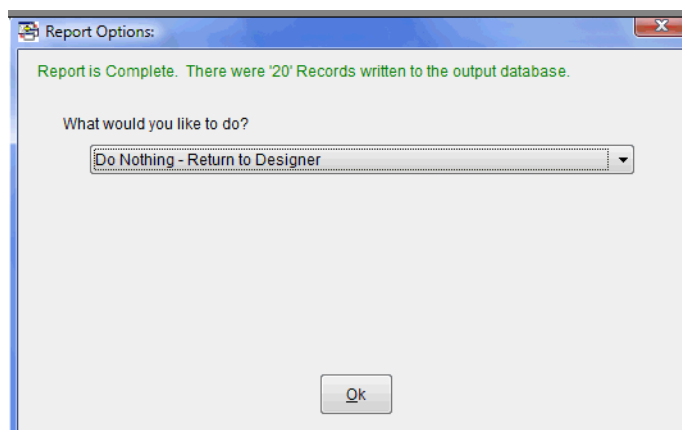
DALAPPIDXFieldLookup

Finally, enter 16 in the Destination Size field on the Data Record Information tab. Use the following screen as a reference.

NOTE: The value 16 is used as the destination size, because 16 characters is the largest value returned by the DAL script. No source field size needs to be entered in this case.

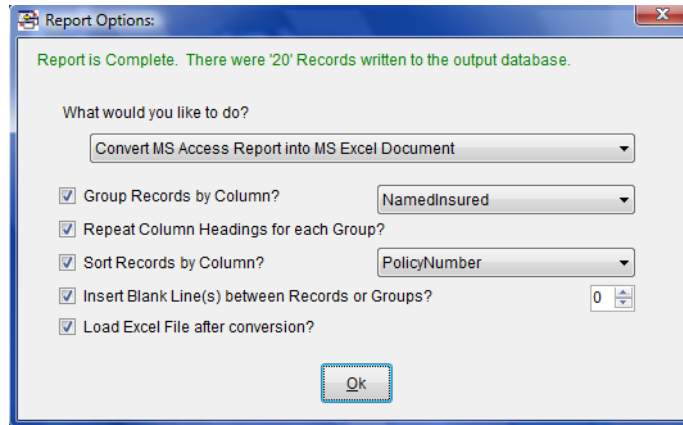


All of the destination columns within the Record Layout now contain source data. To test the report use the menu option Output, Generate Archive Report. You will see the following Report Options form.



Modify your Report Options form to match the following screen which will group/sort the records by the value within the NamedInsured column and load Excel when the conversion process is complete. Click Ok to receive your report results. When prompted to save the Excel file, press Ok to save the file with the same name as the report file you are using.

NOTE: Some options may not appear if your search finds no records.



Your report results in Excel will look similar to those shown on the following screen.

	A	B	C	D	E	F	G
1	NamedInsured	PolicyNumber	EffectiveDt	TransactionType			
2	Angelina Jolie	100005	8/1/2007	New Business			
3	Ashley Judd	100018	7/19/2007	New Business			
4	Cameron Diaz	100015	6/17/2007	New Business			
5	Carrie Fisher	100016	7/1/2007	New Business			
6	Demi Moore	100017	8/1/2007	New Business			
7	Dustin Hoffman	100013	7/1/2007	New Business			
8	Ed Harris	100014	7/1/2007	New Business			
9	George Clooney	100004	8/17/2007	New Business			
10	Jeremy Piven	100001	7/15/2007	New Business			
11	Jessica Alba	100006	7/15/2007	New Business			
12	John Cusack	100000	7/11/2007	New Business			
13	Julia Roberts	100009	7/18/2007	New Business			
14	Kirsten Dunst	100010	7/11/2007	New Business			
15	Matt Damon	100002	7/25/2007	New Business			
16	Morgan Freeman	100007	7/11/2007	New Business			
17	Sandra Bullock	100019	6/25/2007	New Business			
18	Steve Carell	100003	7/15/2007	New Business			
19	Tom Hanks	100012	8/5/2007	New Business			
20	Tom Welling	100008	7/15/2007	New Business			
21	Will Smith	100011	7/11/2007	New Business			
22							

Next, go to [Filtering Archive Transactions by Column Settings](#) on page 27.

FILTERING ARCHIVE TRANSACTIONS BY COLUMN SETTINGS

Some of the archive transactions you receive may have data you want to omit from your report. You can filter certain transactions using Data Filter options. The following topics expand on what you have learned using the example MRL within this tutorial. In the previous steps of this tutorial, the output data was equal to that shown on the following output screen example. All of these transactions were completed to archive in the month of July, but some of the effective dates of the policies are in June and some are in August. If you are trying to generate a report that deals only with the policies effective during July, you would use the Data Filter options.

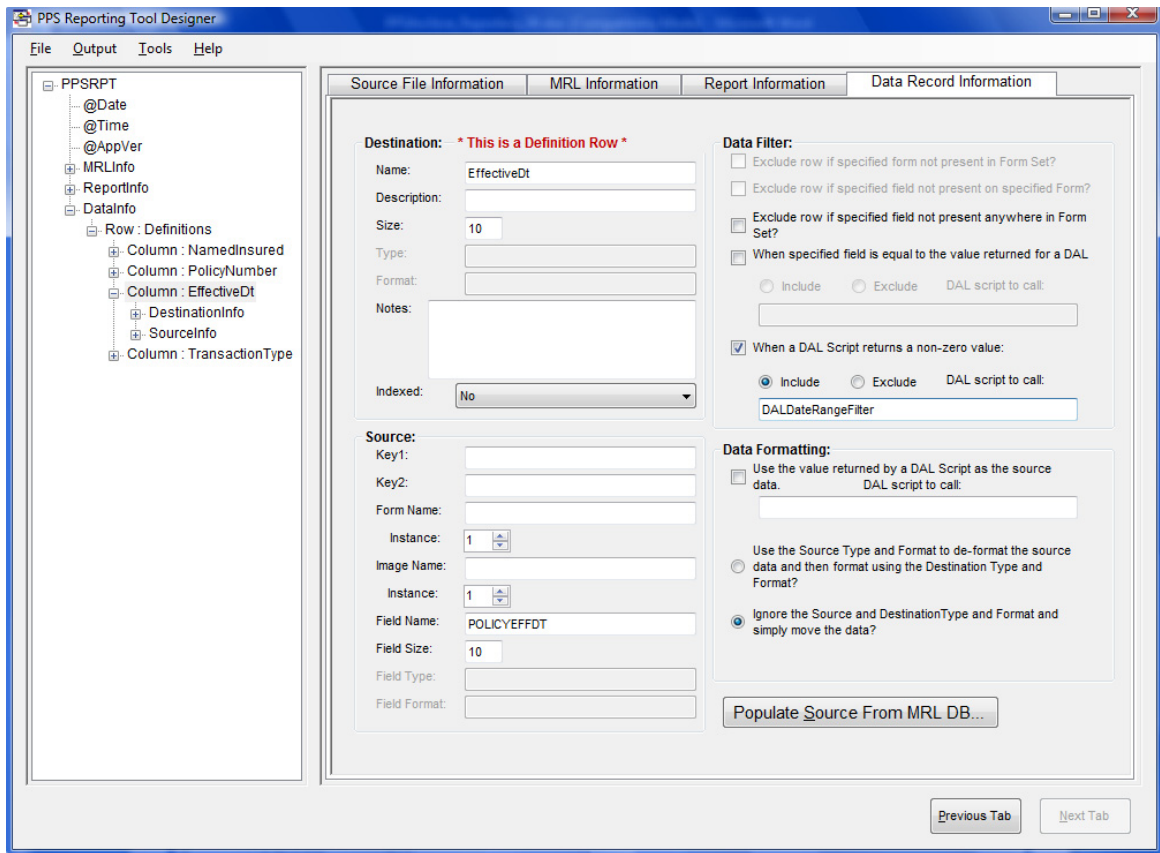
	A	B	C	D	E	F	G
1	NamedInsured	PolicyNumber	EffectiveDt	TransactionType			
2	Angelina Jolie	100005	8/1/2007	New Business			
3	Ashley Judd	100018	7/19/2007	New Business			
4	Cameron Diaz	100015	6/17/2007	New Business			
5	Carrie Fisher	100016	7/1/2007	New Business			
6	Demi Moore	100017	8/1/2007	New Business			
7	Dustin Hoffman	100013	7/1/2007	New Business			
8	Ed Harris	100014	7/1/2007	New Business			
9	George Clooney	100004	8/17/2007	New Business			
10	Jeremy Piven	100001	7/15/2007	New Business			
11	Jessica Alba	100006	7/15/2007	New Business			
12	John Cusack	100000	7/11/2007	New Business			
13	Julia Roberts	100009	7/18/2007	New Business			
14	Kirsten Dunst	100010	7/11/2007	New Business			
15	Matt Damon	100002	7/25/2007	New Business			
16	Morgan Freeman	100007	7/11/2007	New Business			
17	Sandra Bullock	100019	6/25/2007	New Business			
18	Steve Carell	100003	7/15/2007	New Business			
19	Tom Hanks	100012	8/5/2007	New Business			
20	Tom Welling	100008	7/15/2007	New Business			
21	Will Smith	100011	7/11/2007	New Business			
22							

The variable field POLICYEFFDT contains the effective date of the policy and not the date the transaction was completed to archive. For this Data Filter, you will use a DAL script that returns either a zero (0) or one (1) depending on the effective date of the policy.

NOTE: For information on the contents of the DAL script, see [DALDateRangeFilter.DAL on page 133](#).

Follow these steps to apply this filter.

Click on the EffectiveDt column on the left side of the main form. Next, click the When a DAL Script returns a non-zero value checkbox on the right side of the Data Record Information tab. Then, select the Include option. Finally, type DALDateRangeFilter in the text box under the include option. Use the following screen as a reference.

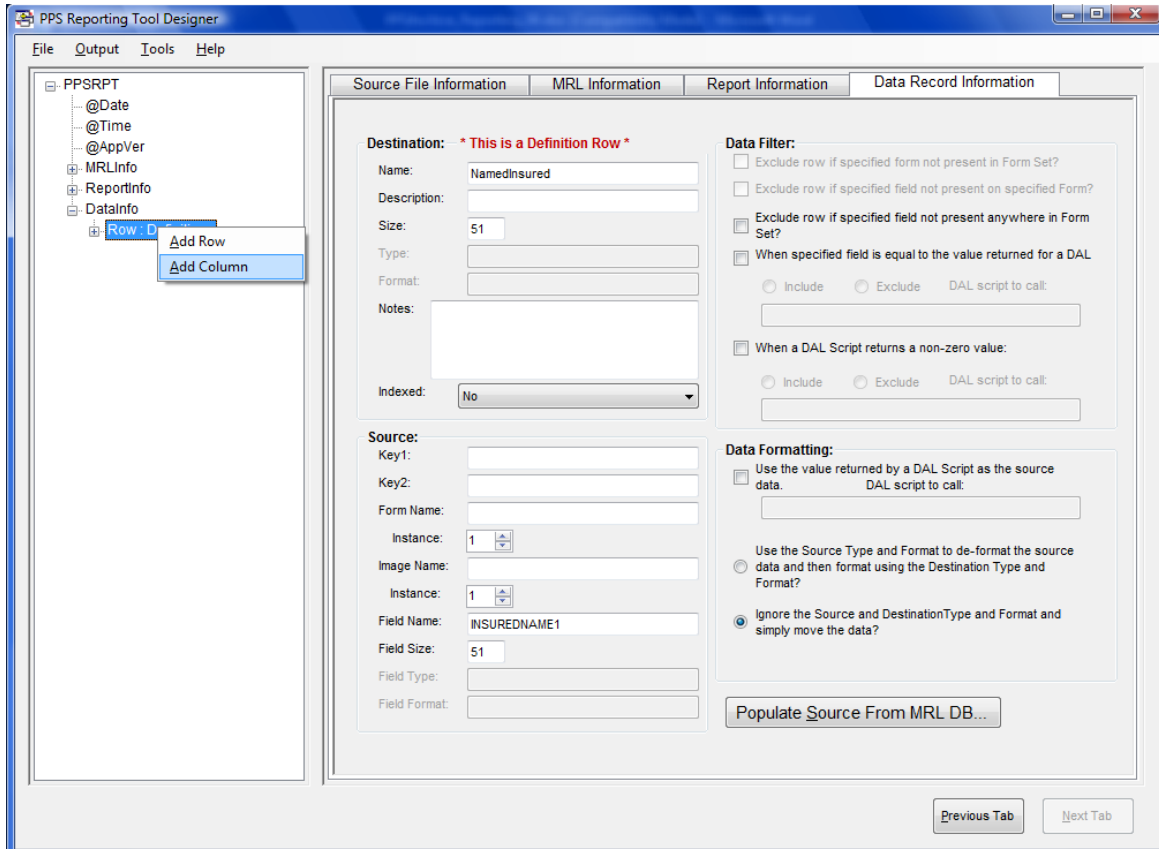


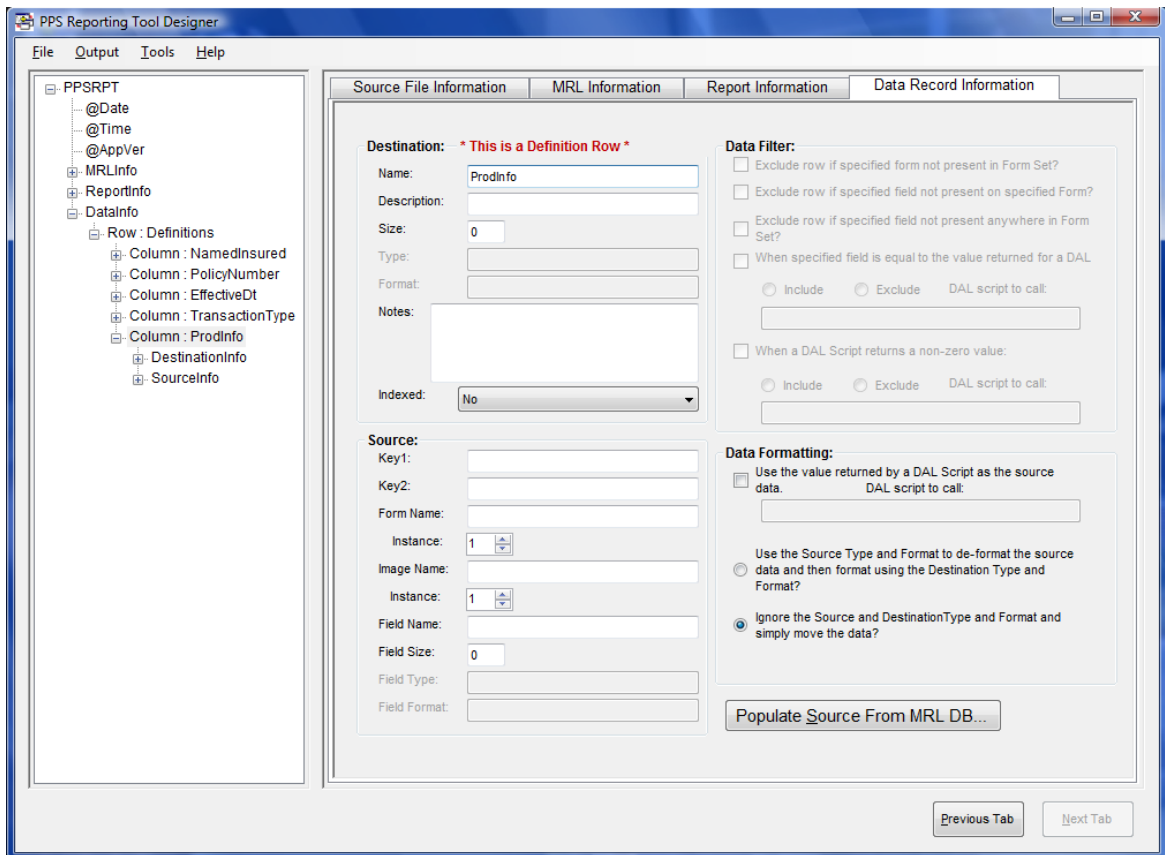
The new report output (when using the same Excel conversion options used in the previous tutorial step) will look like the following screen. You can see that this report only contains policies with effective dates after 7/01/2007 and before 8/01/2007.

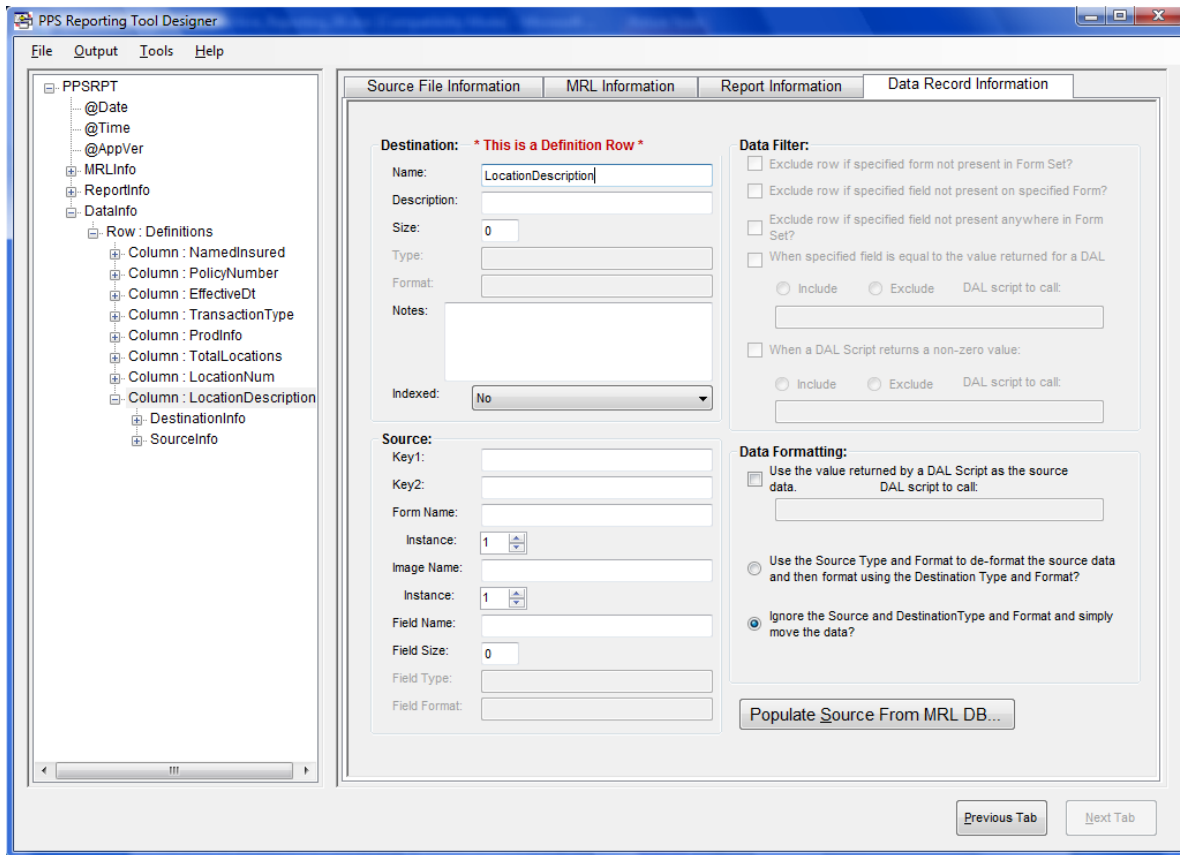
LLOYDSBORDEREAU.xls - Microsoft Excel						
Home Insert Page Layout Formulas Data Review View						
A1 NamedInsured						
	A	B	C	D	E	F
1	NamedInsured	PolicyNumber	EffectiveDt	TransactionType		
2	Ashley Judd	100018	7/19/2007	New Business		
3	Carrie Fisher	100016	7/1/2007	New Business		
4	Dustin Hoffman	100013	7/1/2007	New Business		
5	Ed Harris	100014	7/1/2007	New Business		
6	Jeremy Piven	100001	7/15/2007	New Business		
7	Jessica Alba	100006	7/15/2007	New Business		
8	John Cusack	100000	7/11/2007	New Business		
9	Julia Roberts	100009	7/18/2007	New Business		
10	Kirsten Dunst	100010	7/11/2007	New Business		
11	Matt Damon	100002	7/25/2007	New Business		
12	Morgan Freeman	100007	7/11/2007	New Business		
13	Steve Carell	100003	7/15/2007	New Business		
14	Tom Welling	100008	7/15/2007	New Business		
15	Will Smith	100011	7/11/2007	New Business		
16						

To discuss the other Data Filter options, add four more columns and one more row. The columns that you are going to add are ProdInfo, TotalLocations, LocationNum, and LocationDescription.

First, right click on DataInfo on the left side of the main form and click Add Column. Next enter **ProdInfo** in the Name field under Destination. Repeat this process for TotalLocations, LocationNum, and LocationDescription. See the next screens for a reference.







Assign source fields to these new destination columns. Use the global field PRODNAME2 for ProdInfo. Use the global field TOTALLOCATIONS for TotalLocations. See the following screens for the fields to use for LocationNum and LocationDescription.

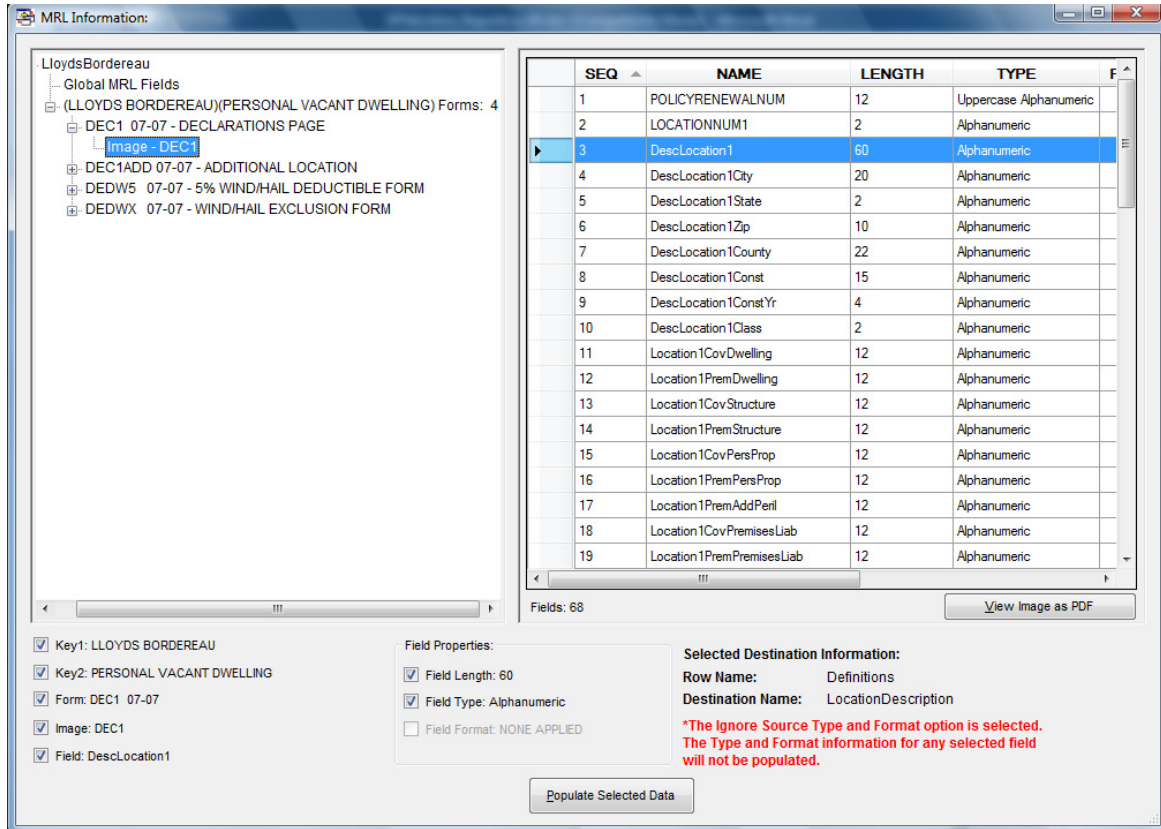
Use the field LOCATIONNUM1 on the DEC1 section (FAP file) for LocationNum.

The screenshot shows the 'MRL Information' window. On the left is a tree view of Lloyds Bordereau forms, with 'Image - DEC1' selected. The main area contains a table of fields:

SEQ	NAME	LENGTH	TYPE
1	POLICYRENEWALNUM	12	Uppercase Alphanumeric
2	LOCATIONNUM1	2	Alphanumeric
3	DescLocation1	60	Alphanumeric
4	DescLocation1City	20	Alphanumeric
5	DescLocation1State	2	Alphanumeric
6	DescLocation1Zip	10	Alphanumeric
7	DescLocation1County	22	Alphanumeric
8	DescLocation1Const	15	Alphanumeric
9	DescLocation1ConstYr	4	Alphanumeric
10	DescLocation1Class	2	Alphanumeric
11	Location1CovDwelling	12	Alphanumeric
12	Location1PremDwelling	12	Alphanumeric
13	Location1CovStructure	12	Alphanumeric
14	Location1PremStructure	12	Alphanumeric
15	Location1CovPersProp	12	Alphanumeric
16	Location1PremPersProp	12	Alphanumeric
17	Location1PremAddPeril	12	Alphanumeric
18	Location1CovPremisesLiab	12	Alphanumeric
19	Location1PremPremisesLiab	12	Alphanumeric

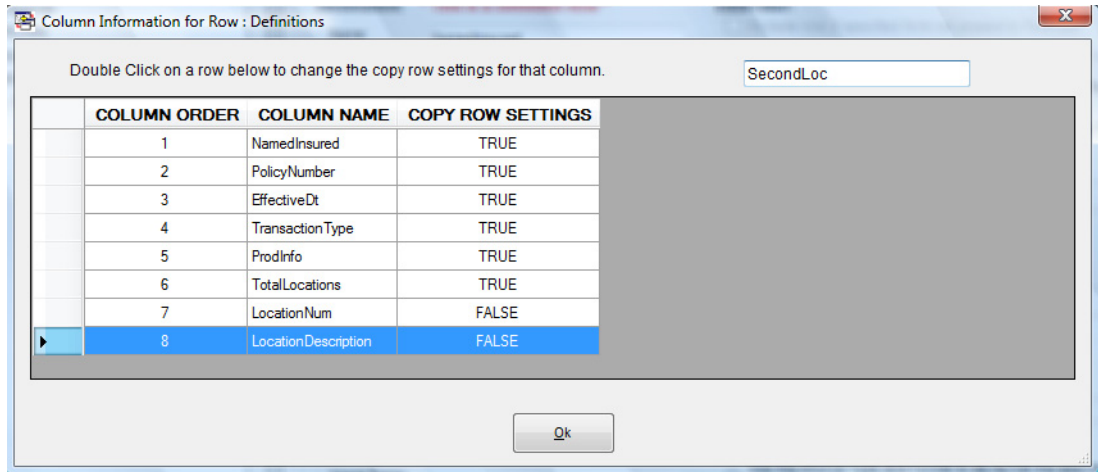
Below the table, the 'Field Properties' section has 'Field Length: 2' and 'Field Type: Alphanumeric' checked. The 'Selected Destination Information' section shows 'Row Name: Definitions' and 'Destination Name: LocationNum'. A red warning message states: '*The Ignore Source Type and Format option is selected. The Type and Format information for any selected field will not be populated.' A 'Populate Selected Data' button is at the bottom.

Use the field DESCLOCATION1 on the DEC1 section (FAP file) for LocationDescription.



Now that you have all the columns you need, add the new row. This new row is used to hold the second location of policies that have multiple locations. This design allows for multiple output rows to be written to the output database. For example, the first row contains information regarding the first location and the second row contains information regarding the second location. Each of these columns of data has different source data fields for each row.

First, right click on DataInfo on the left side of the main form and click Add Row. The following screen appears and allows for some initial settings for the additional row. Enter a name for the row and double click on the LocationNum and LocationDescription rows. This makes sure that when the row is created, the settings for the first row (the definitions row) are not used. Click Ok to continue.



Now set the source data for the second row for the LocationNum and LocationDescription columns. To do this, click on the second row on the left side of the main form. Now click on the LocationNum column.

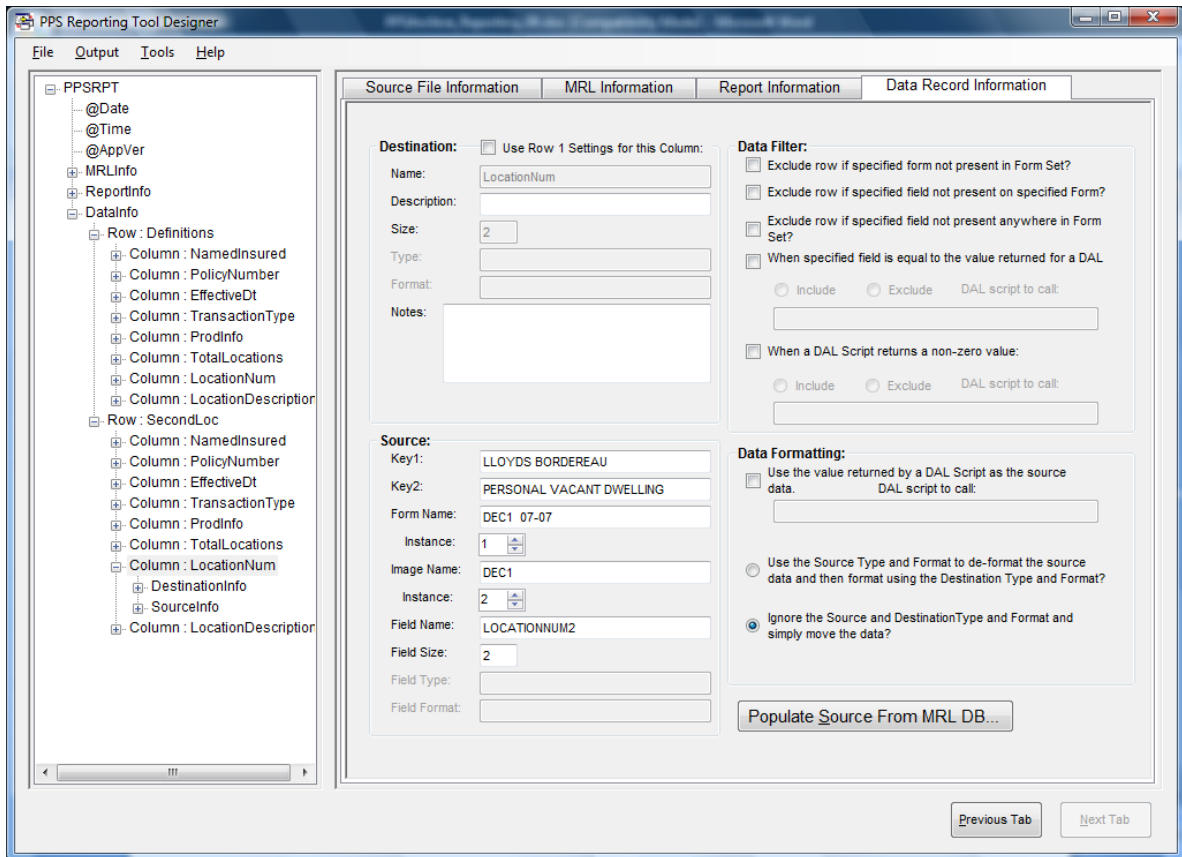
Use the field LOCATIONNUM2 on the DEC1 section (FAP file) for LocationNum. See the following screen for a reference.

The name of the current row and column is in the bottom right corner of your screen. At any time a section is selected, you can click the View Image as PDF button to view the selected section as a PDF file.

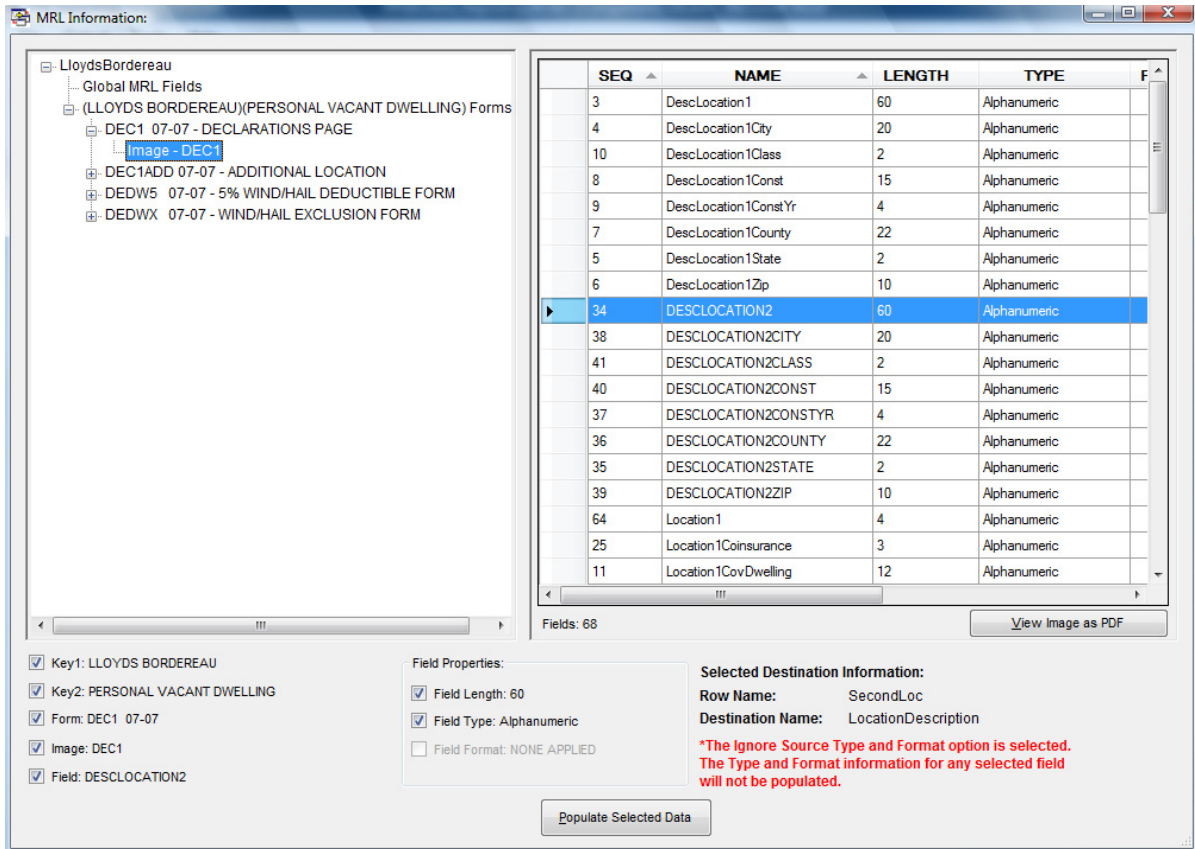
The screenshot shows the 'MRL Information' window. On the left is a tree view under 'LloydsBordereau' with 'Global MRL Fields' expanded to '(LLOYDS BORDEREAU)(PERSONAL VACANT DWELLING) Forms'. Under this, 'Image - DEC1' is selected. The main table lists various fields with columns for SEQ, NAME, LENGTH, and TYPE. Row 33, 'LOCATIONNUM2', is highlighted. Below the table are sections for 'Field Properties' (with 'Field Length: 2' and 'Field Type: Alphanumeric' checked), 'Selected Destination Information' (with 'Row Name: SecondLoc' and 'Destination Name: LocationNum'), and a red warning message: '*The Ignore Source Type and Format option is selected. The Type and Format information for any selected field will not be populated.' A 'Populate Selected Data' button is at the bottom.

SEQ	NAME	LENGTH	TYPE
46	LOCATION2PREMPREMISESLEIAB	12	Alphanumeric
51	LOCATION2PREMSTRUCTURE	12	Alphanumeric
54	LOCATION2PREMTOTAL	12	Alphanumeric
2	LOCATIONNUM1	2	Alphanumeric
33	LOCATIONNUM2	2	Alphanumeric
60	MortgageHolder1Addr1	57	Alphanumeric
66	MortgageHolder1Addr2	57	Alphanumeric
59	MortgageHolder1Name1	57	Alphanumeric
65	MortgageHolder1Name2	57	Alphanumeric
68	MortgageHolder2Addr1	57	Alphanumeric
63	MortgageHolder2Addr2	57	Alphanumeric
67	MortgageHolder2Name1	57	Alphanumeric
62	MortgageHolder2Name2	57	Alphanumeric
22	PolicyFee	12	Alphanumeric
21	PolicyLocationPremTotal	12	Alphanumeric
1	POLICYRENEWALNUM	12	Uppercase Alphanumeric
23	PolicySurplusTax	12	Alphanumeric
28	PolicyTotalPremium	12	Alphanumeric
32	Policy TypedDt	10	Date

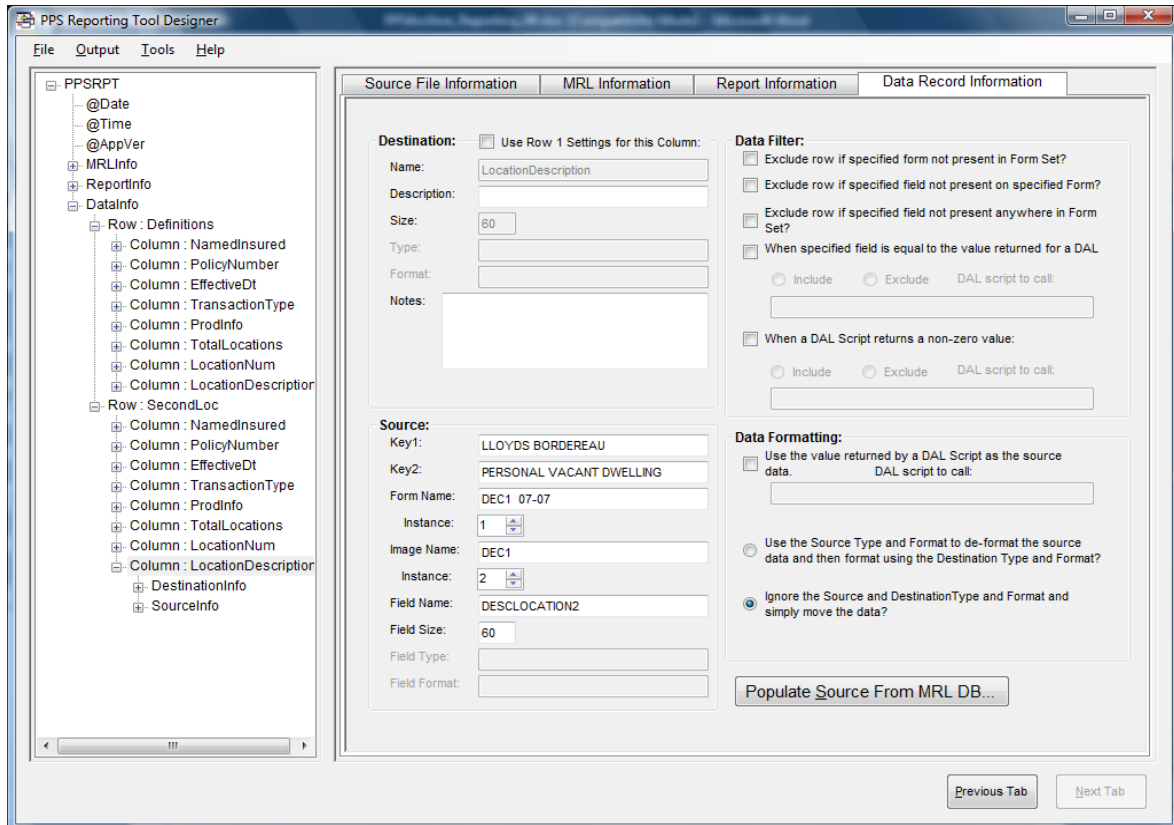
After populating the field as selected above, increase the Image Instance value to 2. This is required, because the selected field is on the second page of the section (FAP file). See the following screen for a reference.



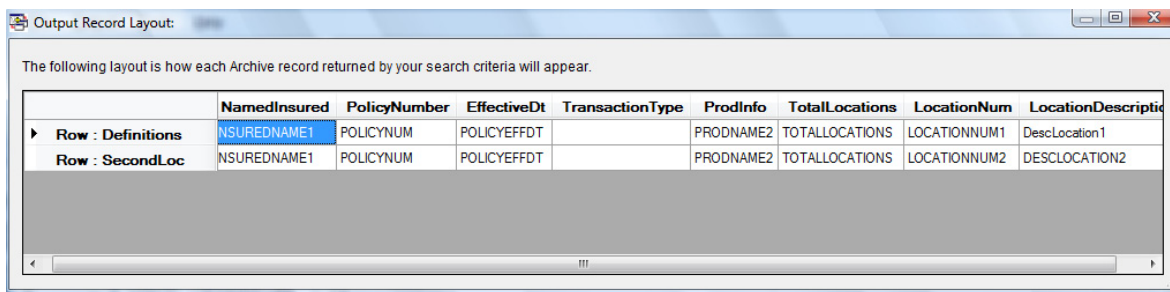
Use the field DESCLOCATION2 on the DEC1 section (FAP file) for LocationDescription.



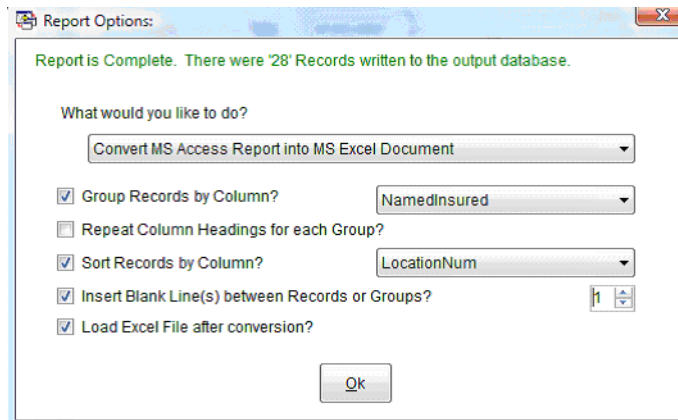
After populating the field as selected above, increase the Image Instance value to 2. This is required, because the selected field is on the second page of the section (FAP file). See the following screen for a reference.



The record layout for this report now looks like the following screen. Notice that the first and second rows have different source data defined for the LocationNum and LocationDescription columns. The other columns have the same source data defined for the first and second row.



Now that the data record layout for this example is complete, you can learn about the remaining data filtering options. To make sure you are getting the right information, generate the report and use the Excel conversion feature with the following options.



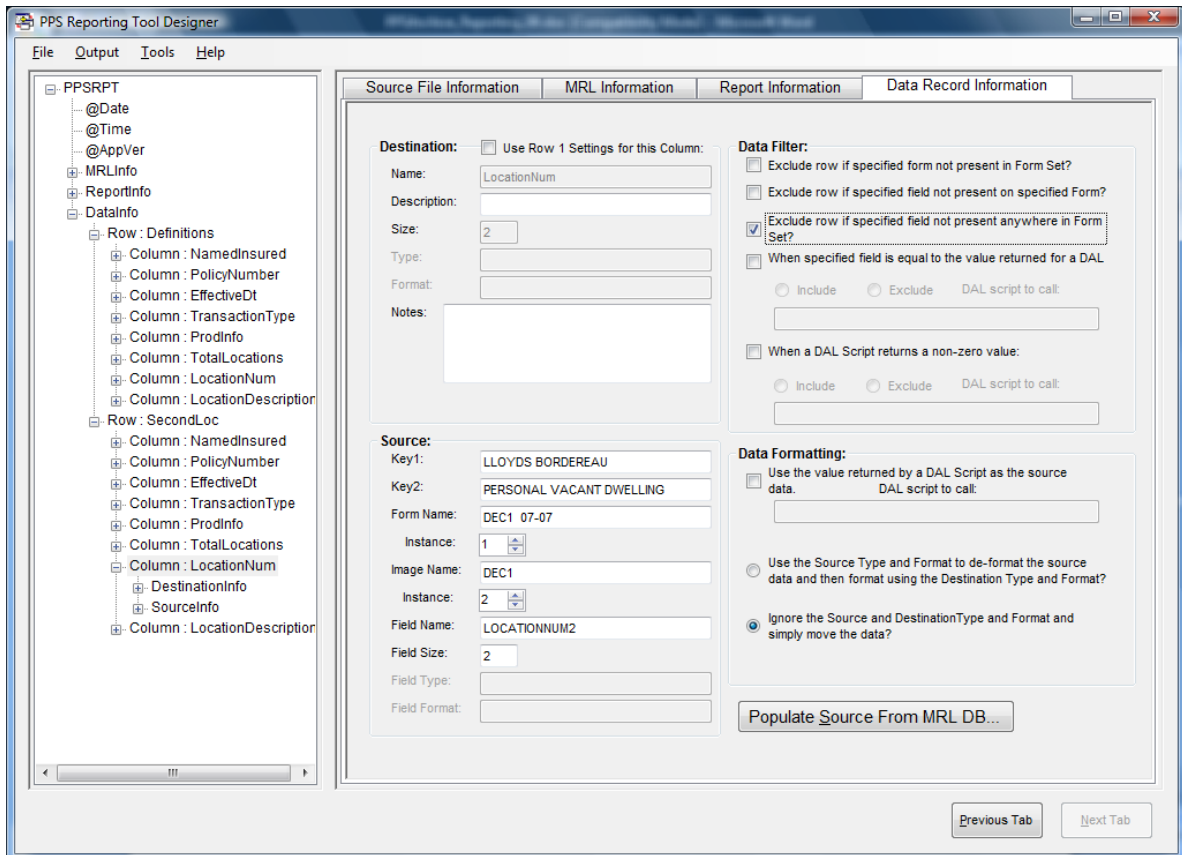
This generates the following report which is grouped by NamedInsured, sorted by LocationNum, and has a blank line between each transaction for readability. Use the following screen as a reference.

Notice that the second row repeats for each transaction returned from archive. Additionally, the second row is actually being sorted as the first row because there is no data in the fields. This is not the desired outcome for this report because some policies only contain one location. The next set of data filter options exclude rows if certain options are not met.

	A	B	C	D	E	F	G	H
	NamedInsured	PolicyNumber	EffectiveDt	TransactionType	ProdInfo	TotalLocations	LocationNum	LocationDescription
2	Ashley Judd	100018	7/19/2007	New Business	Agency1	2		1 400 A Time To Kill Lane
3	Ashley Judd	100018	7/19/2007	New Business	Agency1	2	2	2 1200 Kuffs Circle
5	Carrie Fisher	100016	7/1/2007	New Business	Agency2		1	
6	Carrie Fisher	100016	7/1/2007	New Business	Agency2		1	1 900 Star Wars Avenue
8	Dustin Hoffman	100013	7/1/2007	New Business	Agency1		1	
9	Dustin Hoffman	100013	7/1/2007	New Business	Agency1		1	1 400 Rain Man Lane
11	Ed Harris	100014	7/1/2007	New Business	Agency2	2		1 3340 Enemy at the Gates Drive
12	Ed Harris	100014	7/1/2007	New Business	Agency2	2		2 340 The Rock Path
14	Jeremy Piven	100001	7/15/2007	New Business	Agency1	2		1 11 Smokin' Aces Avenue
15	Jeremy Piven	100001	7/15/2007	New Business	Agency1	2		2 150 Entourage Street
17	Jessica Alba	100006	7/15/2007	New Business	Agency2	2		1 1200 Rise of the Silver Surfer Drive
18	Jessica Alba	100006	7/15/2007	New Business	Agency2	2		2 25 The Fantastic Four
20	John Cusack	100000	7/11/2007	New Business	Agency1		1	
21	John Cusack	100000	7/11/2007	New Business	Agency1		1	1 1408 Say Anything Lane
23	Julia Roberts	100009	7/18/2007	New Business	Agency2	2		1 0050 Runaway Bride Lane
24	Julia Roberts	100009	7/18/2007	New Business	Agency2	2		2 1212 Oceans Twelve Parkway
26	Kirsten Dunst	100010	7/11/2007	New Business	Agency2	2		1 1030 Eternal Sunshine of the Spotless Mind
27	Kirsten Dunst	100010	7/11/2007	New Business	Agency2	2		2 The Crow Salvation Drive
29	Matt Damon	100002	7/25/2007	New Business	Agency1	3		1 1250 Rounders Lane
30	Matt Damon	100002	7/25/2007	New Business	Agency1	3		2 231 Bourne Identity Circle
31	Morgan Freeman	100007	7/11/2007	New Business	Agency2	2		1 777 Evan Almighty Highway

If you know a source field name only appears on a certain row in a form set, you can use the Exclude row if specified field not present anywhere in Form Set option to filter out unwanted rows. For example, the LocationNum column on the second row uses the LOCATIONNUM2 variable field for source data. No value would be entered in this field (on the form set) if there is not a second location in the policy. Use the following screen as a reference.

NOTE: The other two options to exclude rows if the specified form or field is not present work in the same way. These are simply provided for flexibility.



The following screen shows what the report now looks like when it is generated and converted to Excel using the same options as before. Notice that only records that have more than one location use multiple rows now.

	A	B	C	D	E	F	G	H
	NamedInsured	PolicyNumber	EffectiveDt	TransactionType	Prodnfo	TotalLocations	LocationNum	LocationDescription
2	Ashley Judd	100018	7/19/2007	New Business	Agency1	2	1	400 A Time To Kill Lane
3	Ashley Judd	100018	7/19/2007	New Business	Agency1	2	2	1200 Kuffs Circle
5	Carrie Fisher	100016	7/1/2007	New Business	Agency2	1	1	900 Star Wars Avenue
7	Dustin Hoffman	100013	7/1/2007	New Business	Agency1	1	1	400 Rain Man Lane
9	Ed Harris	100014	7/1/2007	New Business	Agency2	2	1	3340 Enemy at the Gates Drive
10	Ed Harris	100014	7/1/2007	New Business	Agency2	2	2	340 The Rock Path
12	Jeremy Piven	100001	7/15/2007	New Business	Agency1	2	1	11 Smokin' Aces Avenue
13	Jeremy Piven	100001	7/15/2007	New Business	Agency1	2	2	150 Entourage Street
15	Jessica Alba	100006	7/15/2007	New Business	Agency2	2	1	1200 Rise of the Silver Surfer Drive
16	Jessica Alba	100006	7/15/2007	New Business	Agency2	2	2	25 The Fantastic Four
18	John Cusack	100000	7/11/2007	New Business	Agency1	1	1	1408 Say Anything Lane
20	Julia Roberts	100009	7/18/2007	New Business	Agency2	2	1	0050 Runaway Bride Lane
21	Julia Roberts	100009	7/18/2007	New Business	Agency2	2	2	1212 Oceans Twelve Parkway
23	Kirsten Dunst	100010	7/11/2007	New Business	Agency2	2	1	1030 Eternal Sunshine of the Spotless Mind
24	Kirsten Dunst	100010	7/11/2007	New Business	Agency2	2	2	The Crow Salvation Drive
26	Matt Damon	100002	7/25/2007	New Business	Agency1	3	1	1250 Rounders Lane
27	Matt Damon	100002	7/25/2007	New Business	Agency1	3	2	231 Bourne Identity Circle
29	Morgan Freeman	100007	7/11/2007	New Business	Agency2	3	1	777 Evan Almighty Highway
30	Morgan Freeman	100007	7/11/2007	New Business	Agency2	3	2	1500 The Shawshank Redemption Road
31	Steve Carell	100003	7/15/2007	New Business	Agency1	2	1	126 The Office Lane

The last type of data filter uses a DAL script to include or exclude rows by looking at the value contained within a specified variable field. This DAL script is not included in the sample MRL. To create this DAL script, you can use your text editor of choice. The following instructions define how to perform the tasks with Microsoft Notepad. See the following screen for a reference.

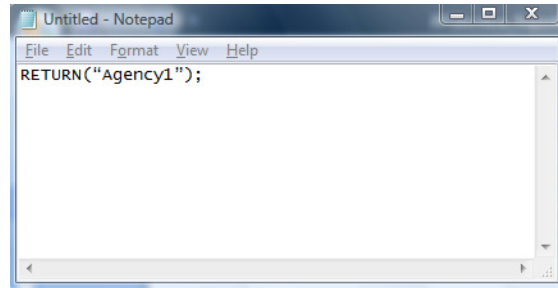
First, run Notepad. Enter the following DAL line exactly as shown here. Please note that case matters.

```
RETURN ("Agency1") ;
```

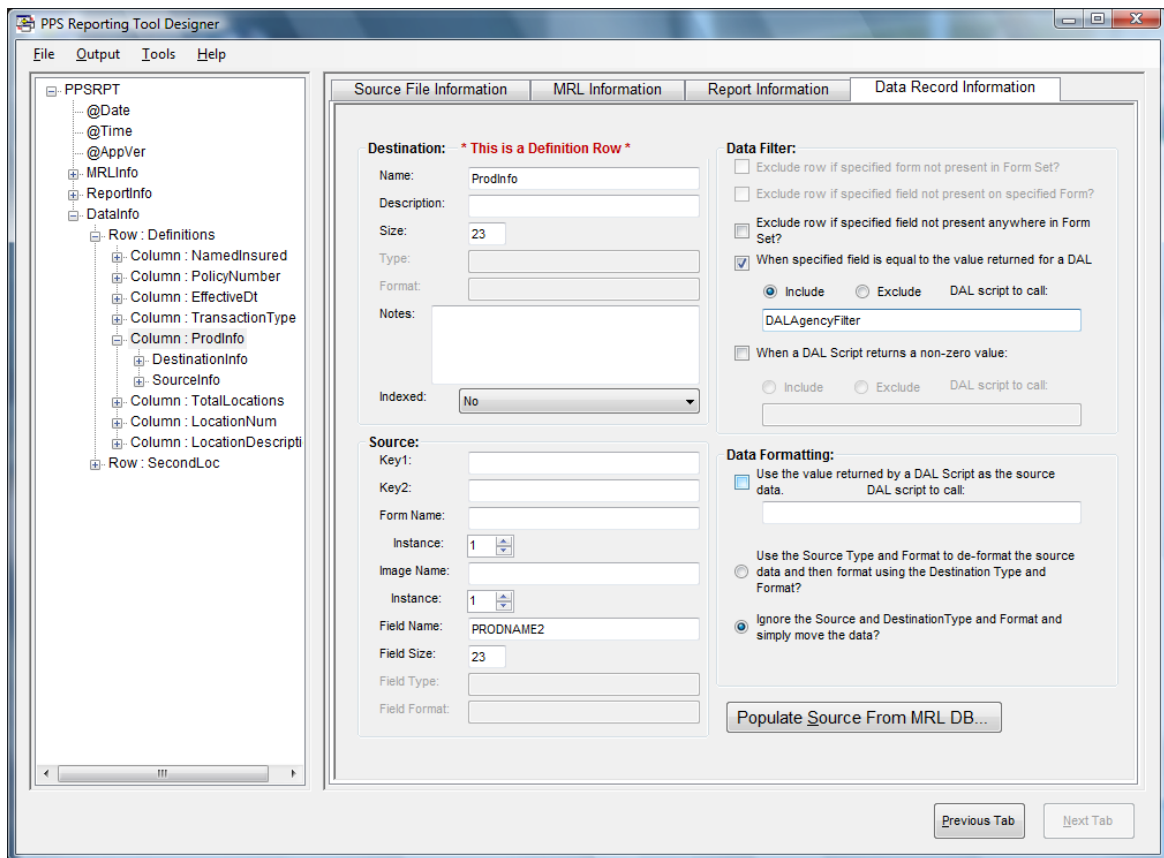
Finally, save the contents of the above file in the following location and with the following name:

```
C:\Program Files\Skywire Software\PPS Reporting Tool Designer\Lloyds  
Bordereau Example MRL\DEFLIB\DALAgencyFilter.DAL
```

NOTE: Store the DAL scripts you use for the PPS Reporting Tool in the DEFLIB directory. The DAL file names do not have to contain DAL in them. It simply makes finding them easier. DAL script must, however, have the file extension .DAL.



Finally, fill in the following information for the data filter option. Select the When specified field is equal to the value returned for a DAL option. Select Include and type **DALAgencyFilter** in the field below Include. Use the following screen as a reference.



The following screen shows what the report now looks like when it is generated and converted to Excel using the same options as before. Notice that the only transactions that are included have the Agency1 in the ProdInfo column.

Chapter 2

Using the Lloyds Bordereau Example MRL

LLOYDSBORDEREAU.xls - Microsoft Excel

Home Insert Page Layout Formulas Data Review View

A1 fx NamedInsured

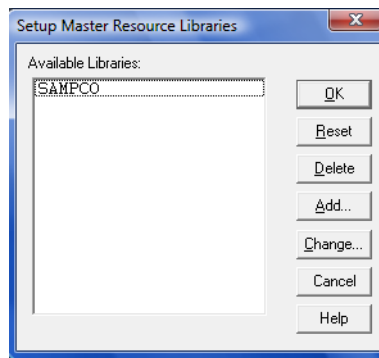
	A	B	C	D	E	F	G	H	I
	NamedInsured	PolicyNumber	EffectiveDt	TransactionType	ProdInfo	TotalLocations	LocationNum	LocationDescription	
1	Ashley Judd	100018	7/19/2007	New Business	Agency1	2	1	400 A Time To Kill Lane	
2	Ashley Judd	100018	7/19/2007	New Business	Agency1	2	2	1200 Kuffs Circle	
3									
4	Dustin Hoffman	100013	7/1/2007	New Business	Agency1	1	1	400 Rain Man Lane	
5									
6	Jeremy Piven	100001	7/15/2007	New Business	Agency1	2	1	11 Smokin' Aces Avenue	
7	Jeremy Piven	100001	7/15/2007	New Business	Agency1	2	2	150 Entourage Street	
8									
9	John Cusack	100000	7/11/2007	New Business	Agency1	1	1	1408 Say Anything Lane	
10									
11	Matt Damon	100002	7/25/2007	New Business	Agency1	3	1	1250 Rounders Lane	
12	Matt Damon	100002	7/25/2007	New Business	Agency1	3	2	231 Bourne Identity Circle	
13									
14	Steve Carell	100003	7/15/2007	New Business	Agency1	2	1	126 The Office Lane	
15	Steve Carell	100003	7/15/2007	New Business	Agency1	2	2	1212 Little Miss Sunshine Road	
16									
17	Tom Welling	100008	7/15/2007	New Business	Agency1	1	1	1200 The Fog Road	
18									
19	Will Smith	100011	7/11/2007	New Business	Agency1	5	1	124 Men In Black Circle	
20	Will Smith	100011	7/11/2007	New Business	Agency1	5	2	354 Hitch Lane	
21									
22									

SETTING UP THE EXAMPLE MRL IN DOCUMAKER WORKSTATION (PPS)

This process is optional and is not required to use the PPS Reporting Tool. This will allow for form set creation and retrieval (for viewing) with the example MRL. If new policy transactions are completed to archive in this MRL, they will be available for archive reporting. Follow these steps to set up the example MRL in Documaker Workstation (PPS).

- 1 Start PPS and add a master resource library.

Select the File, Library Setup option. Click Add on the Setup Master Resource Libraries window.



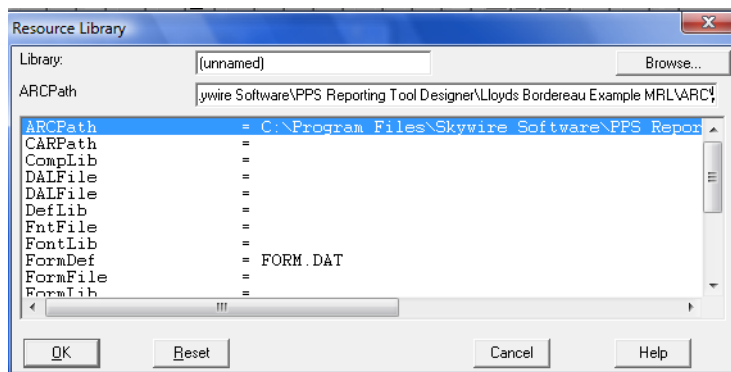
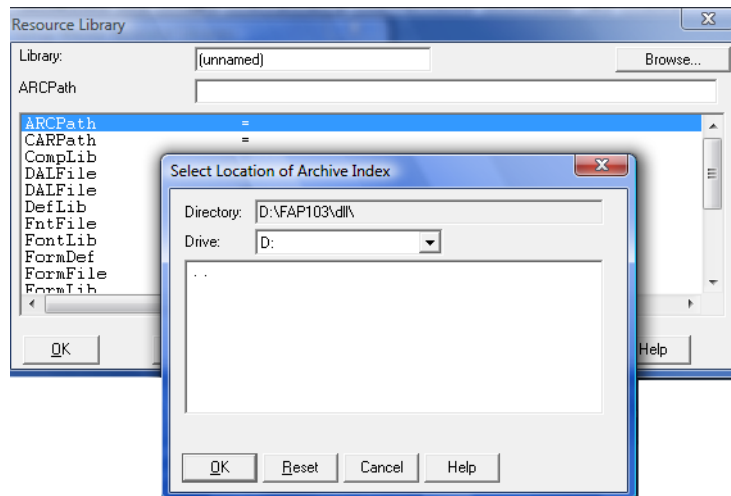
- 2 Set the MRL path and file information. The following values need to have their path and file names set to the example MRL. See the following screens for a reference.

NOTE: These examples assume the default location when installing the PPS Reporting Tool.

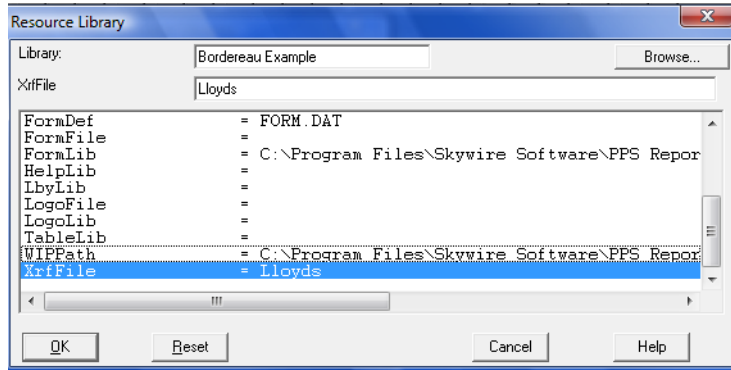
Directory	Path
ARCPath	C:\Program Files\Skywire Software\PPS Reporting Tool Designer\Lloyds Bordereau Example MRL\ARC
CARPath	C:\Program Files\Skywire Software\PPS Reporting Tool Designer\Lloyds Bordereau Example MRL\ARC
DefLib	C:\Program Files\Skywire Software\PPS Reporting Tool Designer\Lloyds Bordereau Example MRL\DEFLIB
FntFile	Lloyds.FNT
FontLib	C:\Program Files\Skywire Software\PPS Reporting Tool Designer\Lloyds Bordereau Example MRL\DEFLIB
FormDef	FORM.DAT

Directory	Path
FormLib	C:\Program Files\Skywire Software\PPS Reporting Tool Designer\Lloyds Bordereau Example MRL\FORMS
WIPPath	C:\Program Files\Skywire Software\PPS Reporting Tool Designer\Lloyds Bordereau Example MRL\WIP
XrfFile	Lloyds

To open the selection window, select the item you want to change and click Browse.

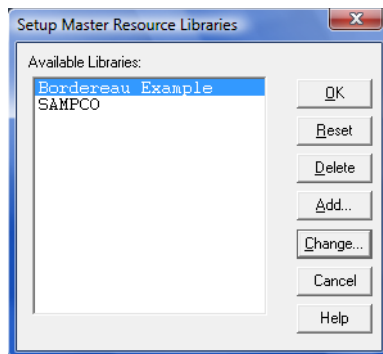


When all of the items have their correct values, name the Library and then click Ok.



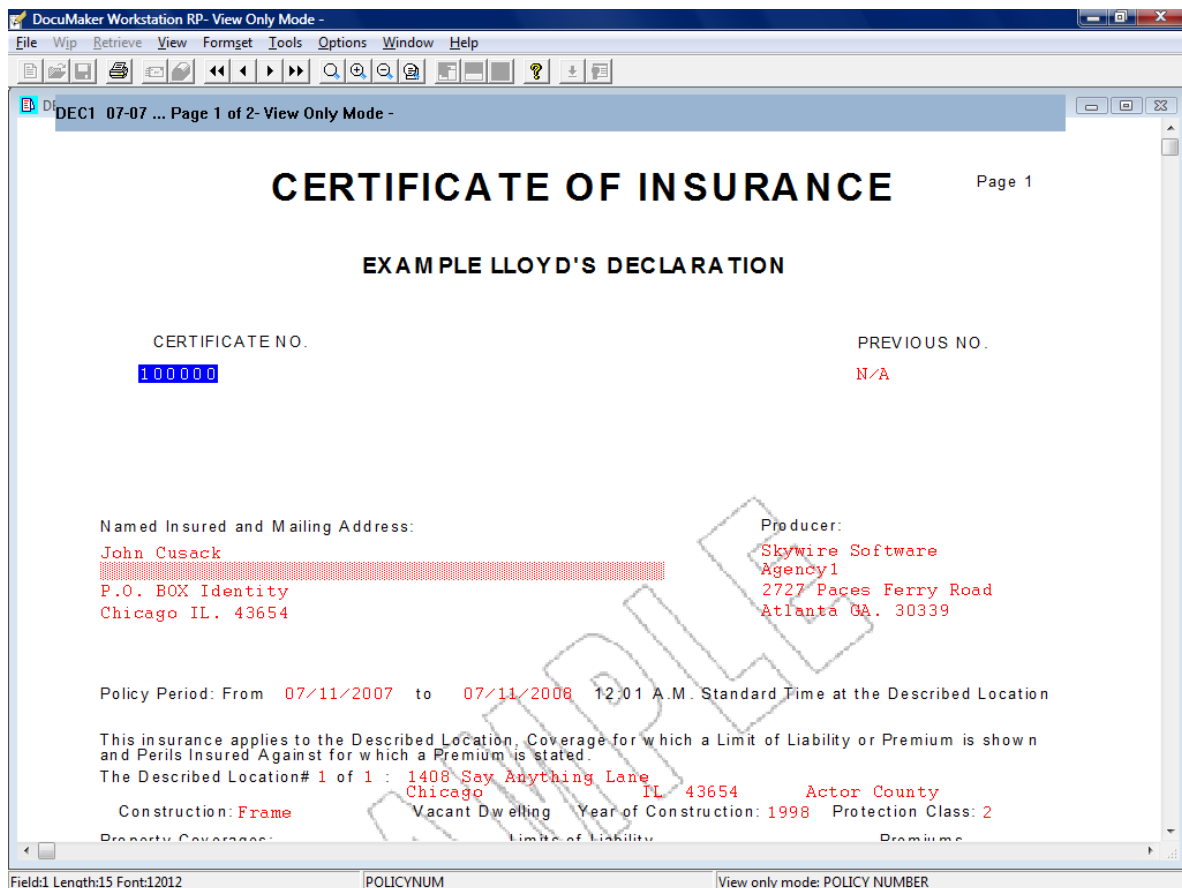
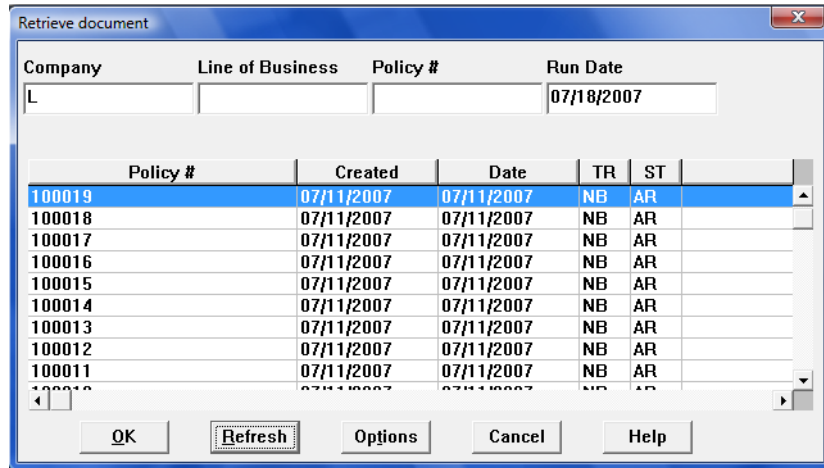
- 3 Select the new library and click Ok.

Now that the MRL has been added, select it and click Ok. The Bordereau Example MRL has now been set up in your PPS environment. You can add new transactions and review the current archived transactions just as with any other library.



The next two screens show how to retrieve a policy by searching on the company name.

Select the Retrieve, Formset menu option. Type an **L** for Lloyds in the Company field (see the following screen for a reference) and then click Refresh. All of the completed policies are now available from the list. Highlight a policy and click Ok to view its information.



Chapter 3

Using the Guided Setup

The guided setup performs a step-by-step process to create an archive report file (see [ARX Report Files on page 130](#) for more information). The process creates default settings for each step by asking you questions.

In this topic you will find screens and descriptions of the available options for each step. These steps are in the order you see them, but the current step and the total number of steps required to complete the guided setup depends on the options you have selected.

This chapter includes information on these topics:

- [Introduction on page 50](#)
- [Selecting the Master Resource Library on page 51](#)
- [MRL Database Screen – Optional Step on page 53](#)
- [Report Output Database Screen on page 56](#)
- [Report Information Screen on page 58](#)
- [Confirmation of Selections Screen on page 60](#)
- [Report File and Optional Features Screen on page 62](#)
- [Report File and Setup Tasks Screen on page 64](#)
- [Model Data Record Layout Options Screen on page 66](#)
- [Data Record Layout Creation Screen on page 70](#)

INTRODUCTION

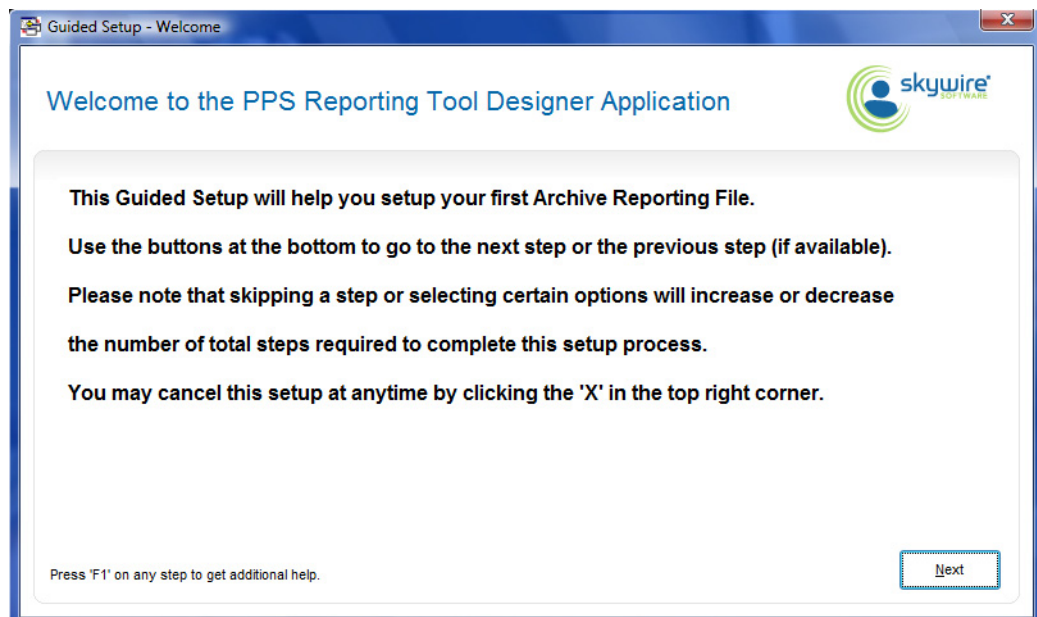
The guided setup runs automatically the first time you start the Reporting Tool. You can also run it from these menu options:

- Tools, Run Guided Setup
- File, New, Report File, Use Guided Setup

You can cancel the guided setup at any time by clicking the X in the top right corner.

NOTE: The following screens and options are based on using the Lloyds Bordereau Example MRL that is installed with the Reporting Tool in the default installation directory.

The Welcome window only appears the first time you run the Reporting Tool.

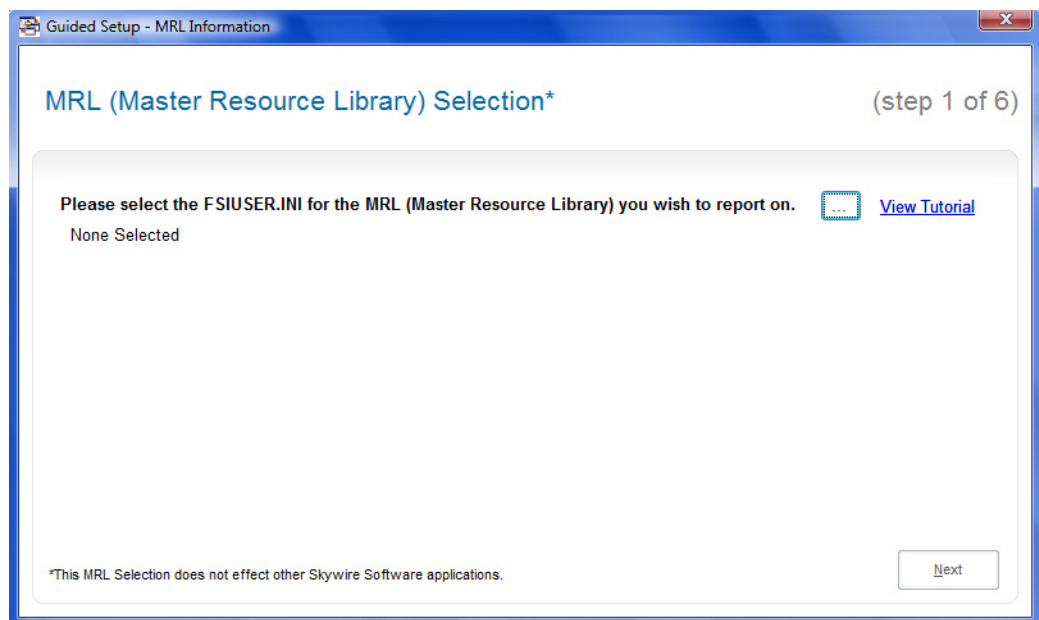


SELECTING THE MASTER RESOURCE LIBRARY

The first step is to select the MRL (master resource library) on which you want to base the archive reports. To do this, you specify the FSIUSER.INI file for the MRL.

NOTE: For more information on this file, see [FSIUSER.INI File on page 130](#).

The View Tutorial link starts a tutorial for setting up the Bordereau Example MRL in the PPS Reporting Tool. Please note that changes are required to run the Reporting Tool and some of its features. These changes do not affect any other Oracle Insurance applications. The application makes a backup copy of your file to make sure all of your previous settings are saved. See the following screen for a reference.



After you select the FSIUSER.INI file, the following information is available. Use the following screen as a reference.

The configuration (within the FSIUSER.INI file) is used to create the initial defaults for the remaining steps. If there are multiple configurations, you must select one before you can continue with the next step.

The Reporting Tool uses the configuration name to create the directory it needs to store your files. It also uses this name for other purposes, such as providing defaults for the guided setup. You can change this name and doing so affects the defaults on the remaining steps of the guided setup. If you have already run the setup process once and used the default settings, the system warns you of a possible data loss.

The report file name is the name of the report file as it will be saved on the hard drive.

The question regarding using an MRL database is for an optional step that is not required to create archive reports.

For information on the benefits of using an MRL database, see [Using an MRL Database on page 79](#). If you enter No, the amount of steps required to set up your report file is decreased by one, but your current step remains the same. You can also set up the MRL database within the Reporting Tool after the guided setup finishes.

Guided Setup - MRL Information (step 1 of 6)

MRL (Master Resource Library) Selection*

Please select the FSIUSER.INI for the MRL (Master Resource Library) you wish to report on. [View Tutorial](#)
C:\Program Files\Skywire Software\PPS Reporting Tool Designer\Lloyds Bordereau Example MRL\FSIUSER.INI

Configuration (within FSIUSER.INI):
LLOYDSBORDEREAU

Configuration Name (This is used to store information on your hard drive): LLOYDSBORDEREAU
Example: D:\Work\New Code\PPSReporting.NET\bin\LLOYDSBORDEREAU...

Report File (ARX) Name: LLOYDSBORDEREAU.ARX

Would you like to use an MRL Database for this report? (Recommended) Yes No
[Why Use an MRL Database?](#)

*This MRL Selection does not effect other Skywire Software applications.

Next

**MRL
DATABASE
SCREEN –
OPTIONAL STEP**

This step lets you create a new or select an existing database for the report file that the guided setup is creating. An example of the database selections and a brief description of each option follows. You can go to the next step by pressing Skip This Step.

The system searches for the FORM.DAT file using the FSIUSER.INI file you selected in the first step of the guided setup. If this file does not match the one for the MRL you selected, or if one could not be found, you must select the appropriate FORM.DAT file.

NOTE: For more information on this file, see [FORM.DAT File on page 131](#).

The default selections for an MRL database are to create a new database and Data Source Name (DSN) for connectivity using the Create MRL DB option. If at any time you make changes to any of the options for this step and want to revert to the defaults, click the Apply DSN Defaults button.

NOTE: For more information about Data Source Names, see [Appendix B: Using the FDT2DB Utility on page 121](#).

You control access to the DSN you are creating by selecting one of these options:

- Allow All users on this machine access to this database
- Just give me access to this database

The default is to let all users who can login on this machine view the database.

The DSN name must not already be in use on the machine and if it is in use, the guided setup does not let you create it again. If you want to use the selected DSN name, you can change the selection to use existing MRL DB and select it from the list of available DSNs.

The DSN description is optional and is defaulted to let you know which configuration it was created against and what day it was created on.

The database file name is the name of the database file as it will be saved on the hard drive. Currently only Microsoft Access is supported.

Guided Setup - MRL Database Setup (OPTIONAL)

Select or Create MRL Database - (OPTIONAL) (step 2 of 6)

This MRL database will be specific to the LLOYDSBORDEREAU configuration and requires a Form.DAT file. (Please make sure this file matches the selected MRL.) Apply DSN Defaults

FORM.DAT ...
C:\Program Files\Skywire Software\PPS Reporting Tool Designer\Lloyds Bordereau Example MRL\DEFLIB\Form.DAT

Would you like to use an existing MRL database or create a new one? Create new Use existing Skip This Step

Allow ALL users on this machine access to this database Just give ME access to this database

DSN (Data Source Name): [What is a DSN?](#)

DSN Description:

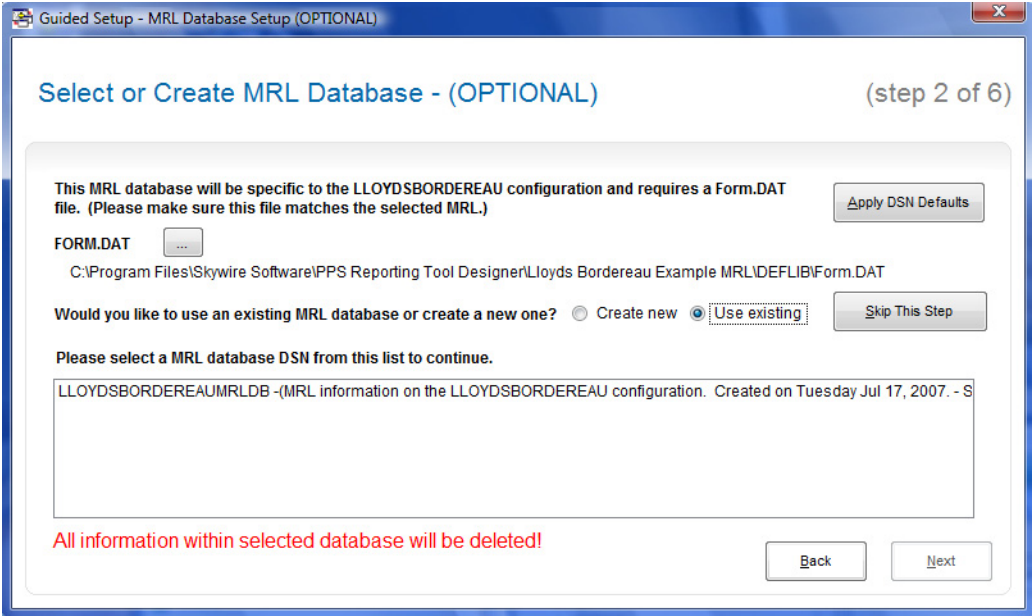
Database File Name:

Back Next

The other way to assign an MRL database to your report file that will be generated by the guided setup is to use the existing MRL DB option. When you select this option, the screen will change to match the following one. The list only includes valid MRL database DSNs created with the Converter.

For more information on the Converter, see [Using the PPS MRL-to-Database Converter on page 3.](#)

One advantage to using the option to select an existing DSN is that if you are running the guided setup for an MRL that has already been set up for a report, there is no need to create a new DSN and database. The guided setup deletes all of the current information in the database and re-creates it using the most current information.



REPORT OUTPUT DATABASE SCREEN

The Reporting Tool requires a database and table to be set up for the report outputs. This screen defines the DSN for the output database and a corresponding table. A brief description of the options for setting up your report database and table follows.

NOTE: For more information on DSNs, see [Appendix B: Using the FDT2DB Utility on page 121](#).

The default selections for a report database are to create a new database, table, and DSN for connectivity using the Create DSN and Table option. If you make changes to any of the options for this step and want to revert to the defaults, click the Apply DSN Defaults button.

You control access to the DSN you are creating by selecting one of these options:

- Allow all users on this machine access to this database
- Just give me access to this database

The default is to let all users who can login on this machine view the database.

The DSN name must not already be in use on the machine and if it is in use, the guided setup will not let you create it again. If you want to use the selected DSN name, you may change the selection to use existing DSN and Table and select the DSN and a corresponding Table.

The DSN description is optional and is defaulted to let you know which configuration it was created for and what day it was created on.

The database file name is the name of the database file as it will be saved on the hard drive. Currently only Microsoft Access is supported.

The table name is the table the report data will be populated into.

Guided Setup - Report Output Setup

Select or Create Report Output Database and Table (step 3 of 6)

Would you like to use an existing database and table or create them for your report output?

Create DSN and Table Use existing DSN and Table

Allow ALL users on this machine access to this database Just give ME access to this database

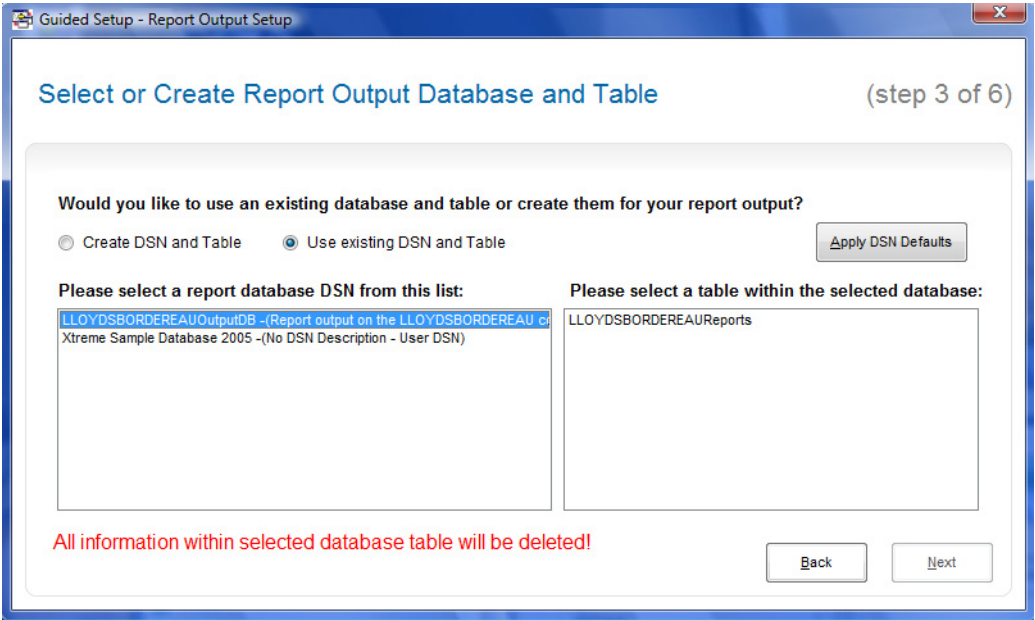
DSN (Data Source Name): LLOYDSBORDEREAUOutputDB [What is a DSN?](#)

DSN Description: Report output on the LLOYDSBORDEREAU configuration. Created on Tuesday Jul 17, 2007.

Database File Name: LLOYDSBORDEREAUOutput.MDB

Table Name: LLOYDSBORDEREAUReports

The other way to assign an output DSN and table for the report file that will be created by the guided setup is to select the use existing DSN and Table option. When this option is selected, the screen changes to match the following screen. The list on the left contains Microsoft Access DSNs that are not empty and are not valid MRL databases. The list on the right shows all of the available tables within the selected DSN on the left side.



REPORT INFORMATION SCREEN

This step allows a name and description to be entered for the report file. The name and description are defaulted to contain information on the configuration within the FSIUSER.INI file and the date this setup was run. Additionally, you can assign high level archive filters for which transactions this report should consider. To learn more about these filters, see [Filtering the Archive Index on page 86](#). Examples of these filters follows.

The transaction types to search for default to all of the transaction types that are available. To skip a transaction type, click the checkbox next to that transaction type to remove it. This filters that transaction type out of the transactions searched for. Please note that removing the selections for all of the transaction types also has the same effect as selecting all of the transaction types.

Guided Setup - Report Information Setup

Report Information (step 4 of 6)

Name: LLOYDSBORDEREAU Report

Description: This report file contains information from the LLOYDSBORDEREAU configuration. The creation date of this report file is: Tuesday Jul 17, 2007.

Archive Filters:

Archived after this Date: 07/17/2007

Archived prior to this Date: 07/17/2007

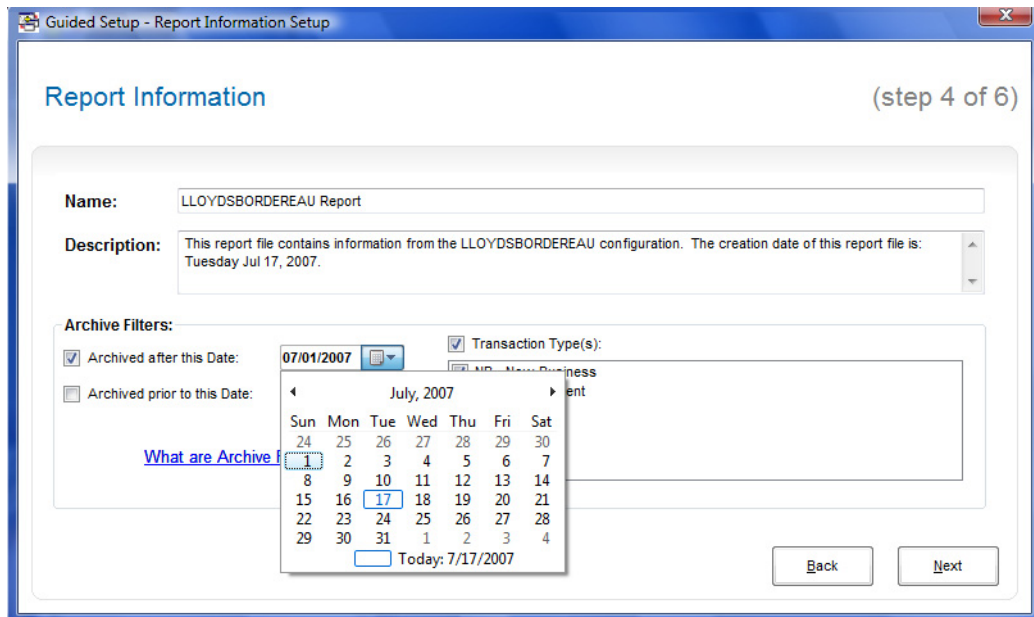
[What are Archive Filters?](#)

Transaction Type(s):

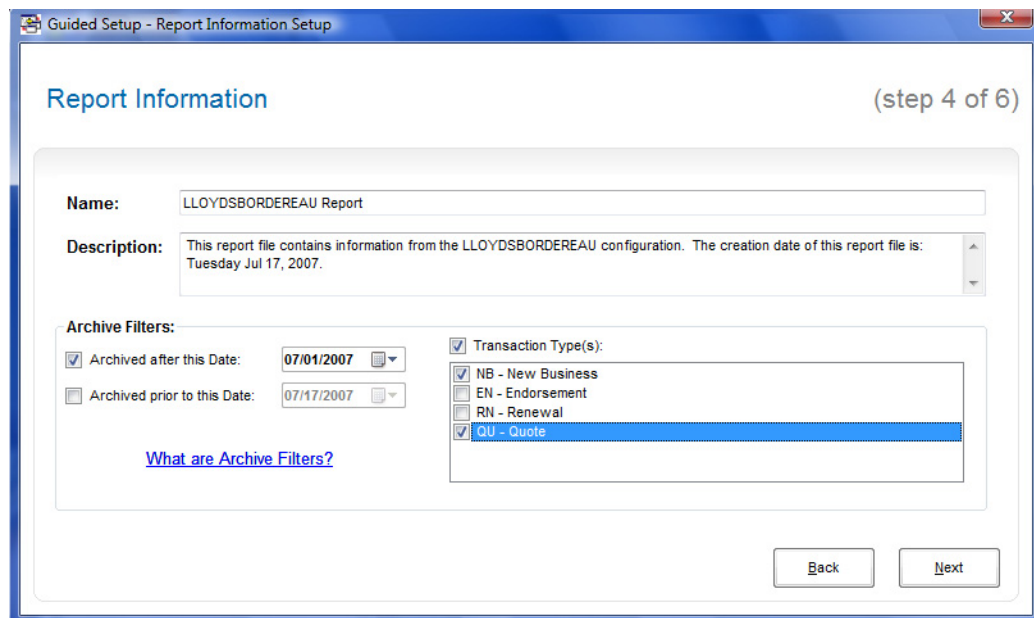
- NB - New Business
- EN - Endorsement
- RN - Renewal
- QU - Quote

Back Next

To select a date or a date range, click the checkbox next to the date you want to enter. Please note the date used for this date range is the date the transaction was archived and not necessarily the effective date or endorsement date of the policy.



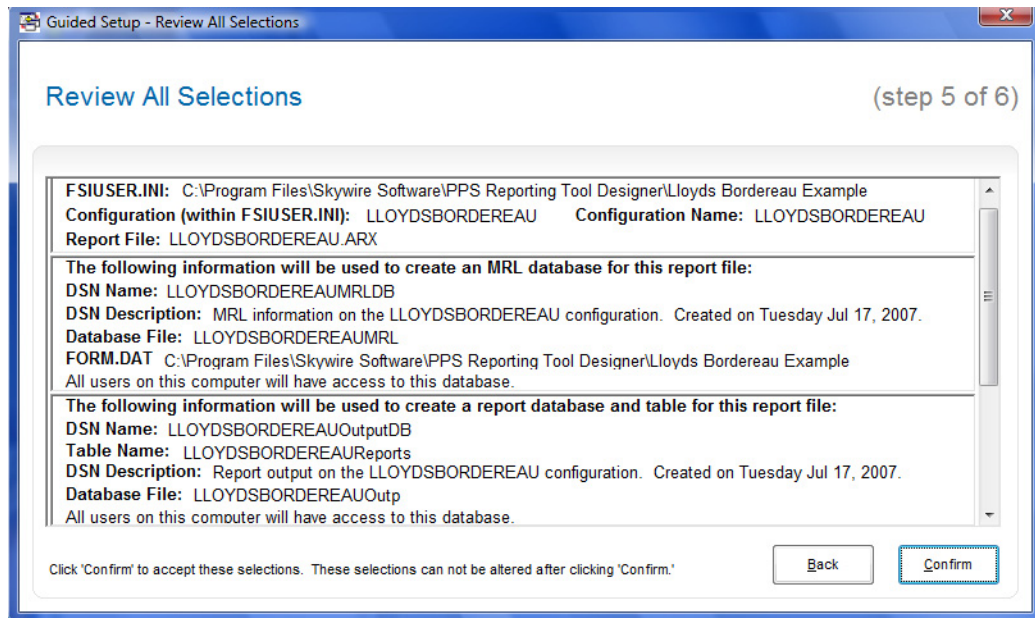
This example shows how to filter transactions archived after July 1, 2007 with the New Business and Quote transaction types.



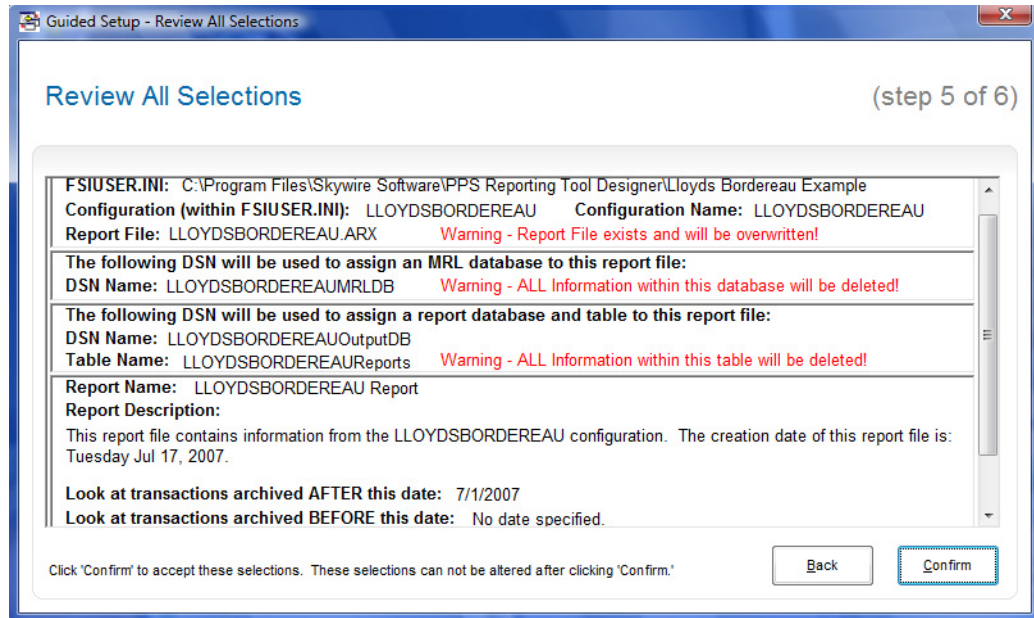
CONFIRMATION OF SELECTIONS SCREEN

This step is a confirmation of all previous selections. Please review all of the selections and make sure all of the options match what you are attempting to do with this report file. Please take heed of any warnings. After you click Confirm, you can no longer change these settings. The following screens show some examples of what you will see on this screen.

This example is a new report file and uses all of the defaults applied by the setup for the configuration selected.



This example shows what you can expect to see when you rerun the guided setup process and use the same defaults for a configuration. Notice that each section (FAP file) warns of any possible data loss due to overwriting files and database information. This example uses the DSNs that were created from the previous run of the setup for the MRL database and the report output. The MRL database is re-created during the creation of the report file. The report database is not re-created, however, and the table within that database is overwritten if you generate the report from within the Reporting Tool without changing the table name.



REPORT FILE AND OPTIONAL FEATURES SCREEN

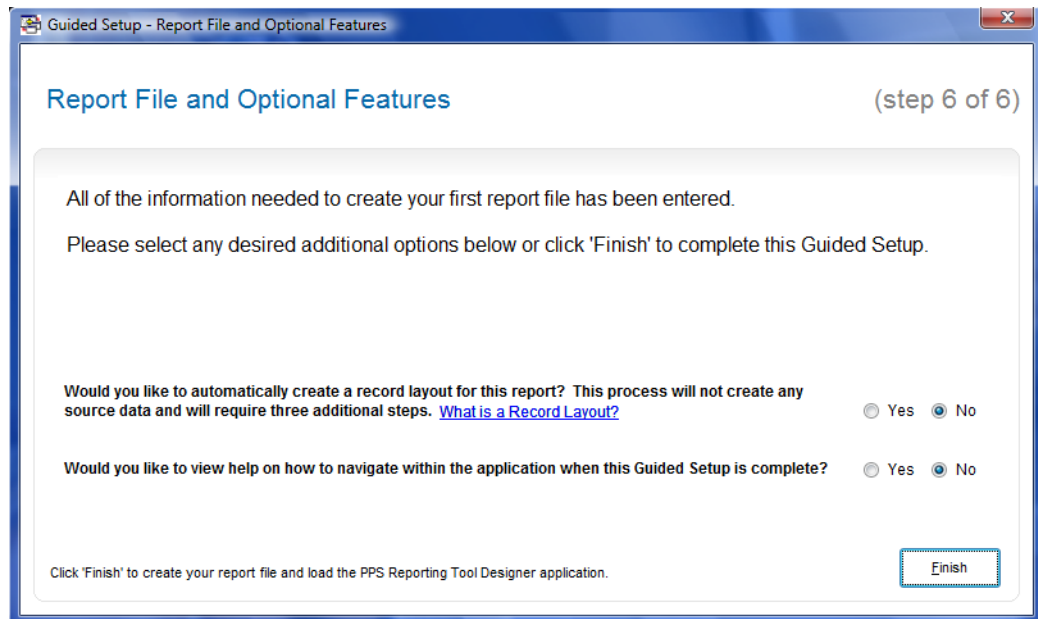
After confirming all selections on the previous step, the following screen appears with additional options.

The first option lets you automate some of the record layout creation task. If you answer Yes to this question, the Reporting Tool creates the report file with your previous selections and then guides you through the additional steps needed to create your record layout. This process lets you model your layout from different types of sources. Source data will still need to be applied for each of the desired data fields in your record layout from within the Reporting Tool.

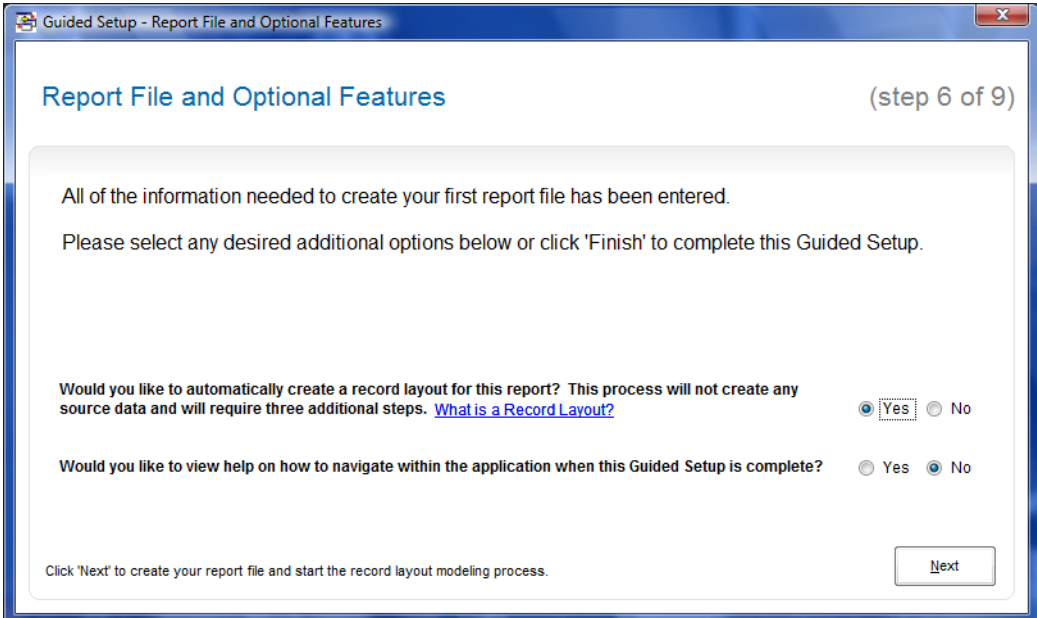
NOTE: For more information on creating a record layout, see [Defining Your Output Record Layout on page 107](#).

The next option lets you view help with navigating in the Reporting Tool. This can be helpful if you have not used the Reporting Tool before.

If you do not want to automatically create your record layout, click Finish and the setup performs all of the selected tasks.



Notice that answering Yes will require more steps to complete the guided setup process. Click Next to continue with the creation of your report file and start the modeling process for your record layout.

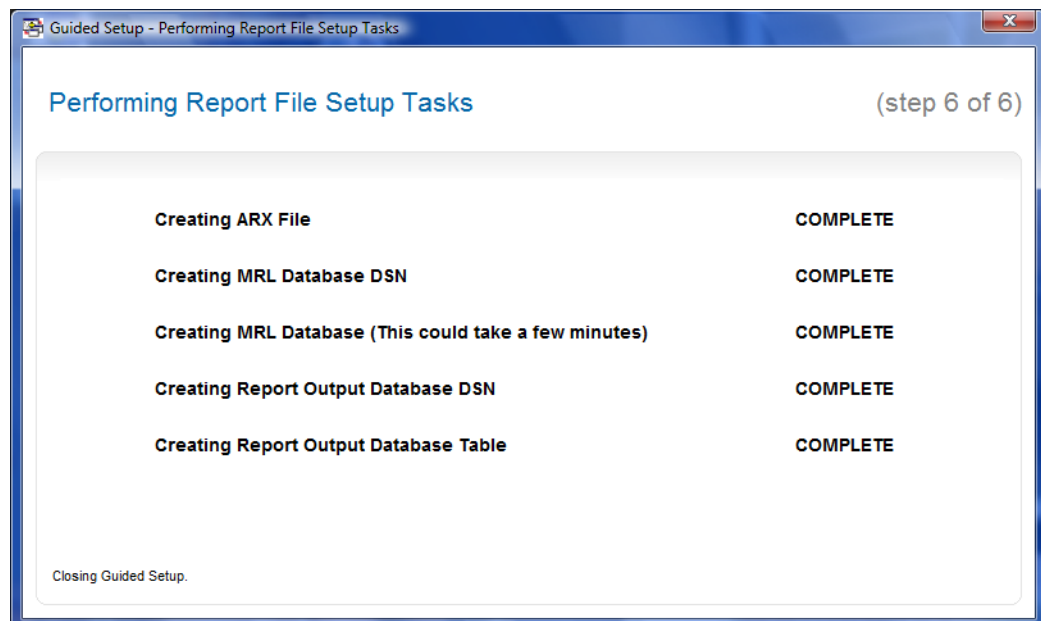


REPORT FILE AND SETUP TASKS SCREEN

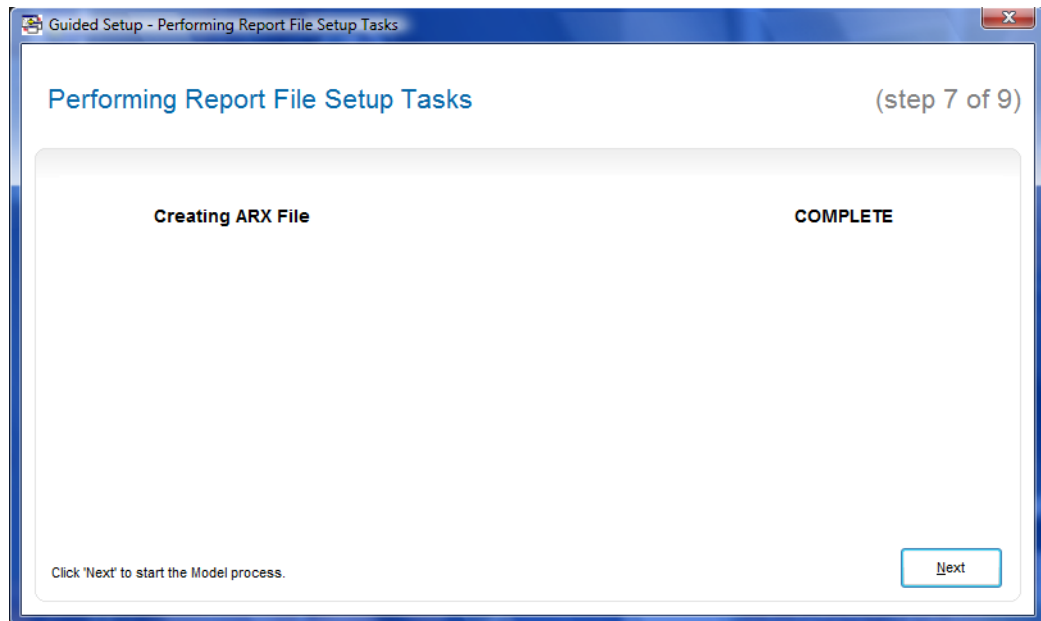
This screen appears once the additional options on the previous step are reviewed. The following screens are examples of what you will see, depending on the options you selected in the previous step.

If the record layout modeling steps are skipped (default), the following screen appears and each of the setup tasks for creating your report file are performed and a status of each task as shown. When all of these tasks are complete, the guided setup closes and loads the Reporting Tool with the newly created report file. Help with navigation also appears if you selected that option.

When you create an MRL database it is important to understand the time this task requires is determined by the size of the MRL configuration you selected. The larger the MRL, the more time this process will take.

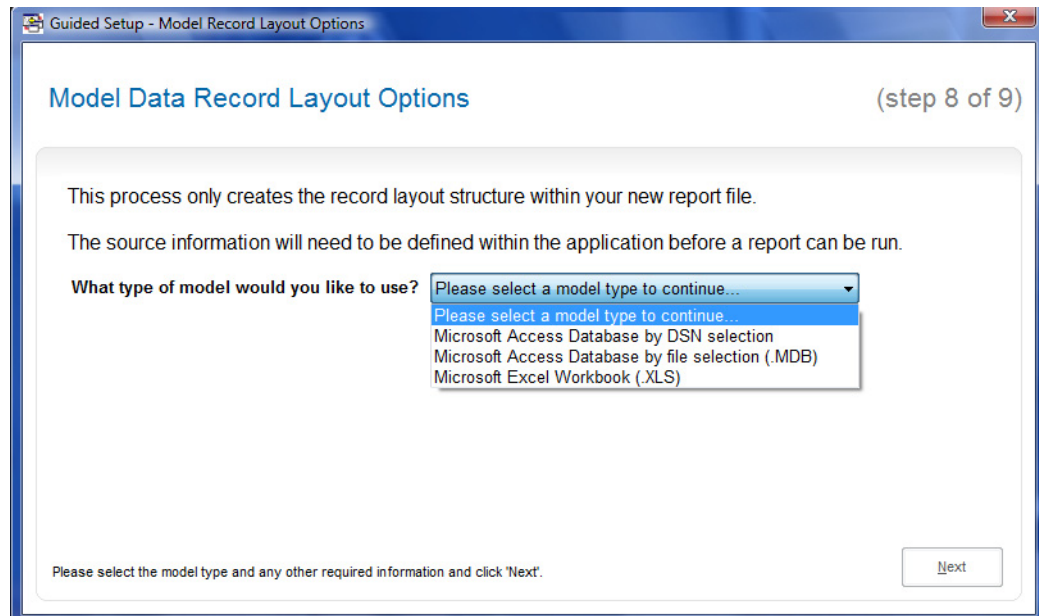


If you have decided to automate the record layout process, the following screen is an example of what you can expect to see. Each of the setup tasks for creating your report file is performed and a status of each task is also shown. When all of these tasks finish, the Reporting Tool prompts you to click Next to start the modeling process.

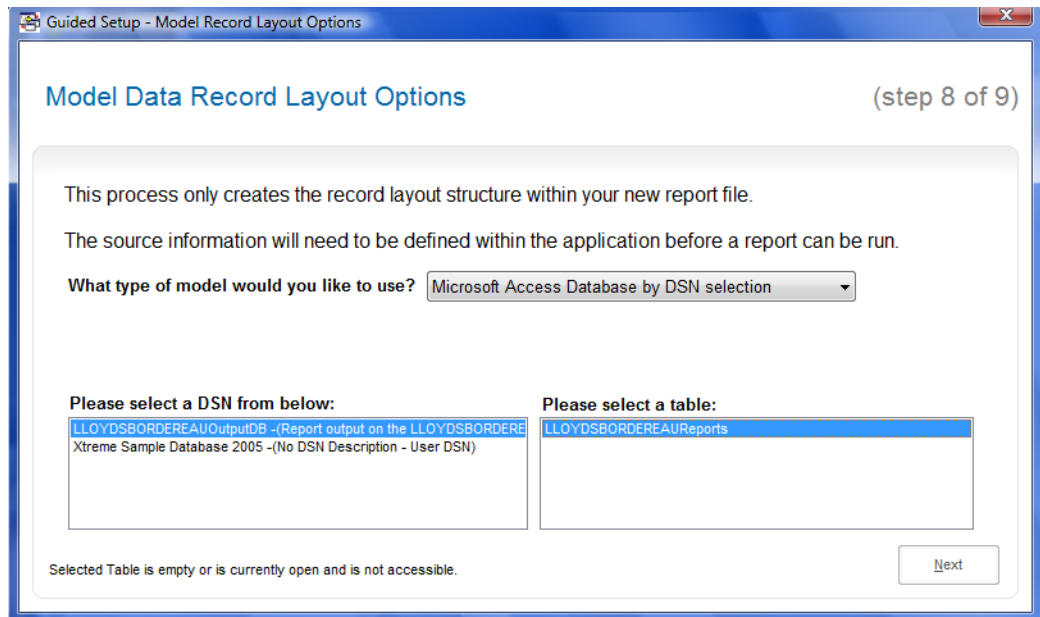


MODEL DATA RECORD LAYOUT OPTIONS SCREEN

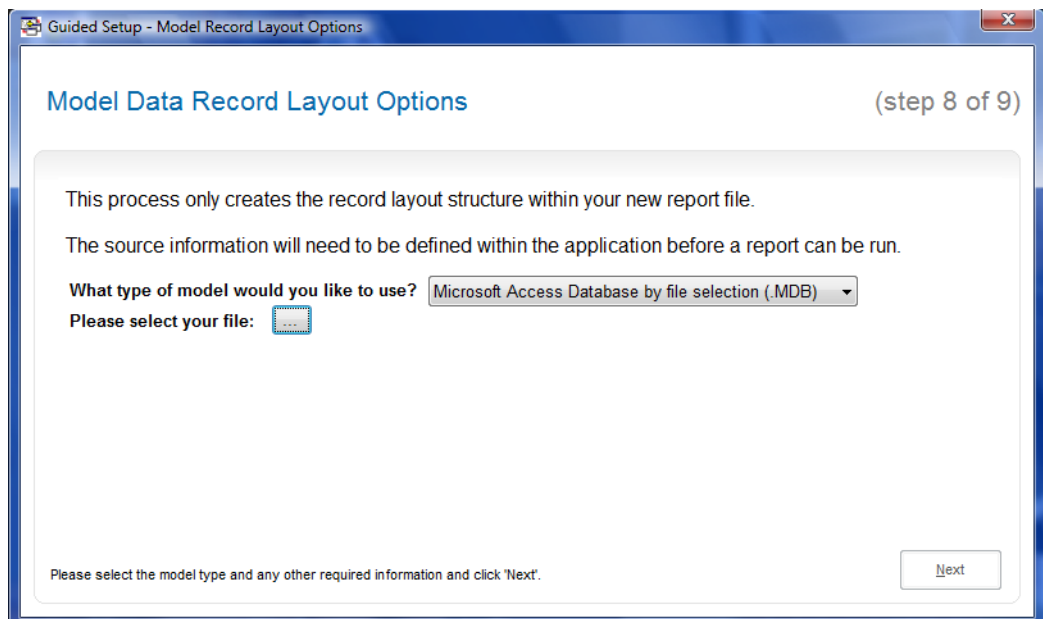
To start the modeling process, simply select a source type from the list. The following screens show the different options available for the different source selections.

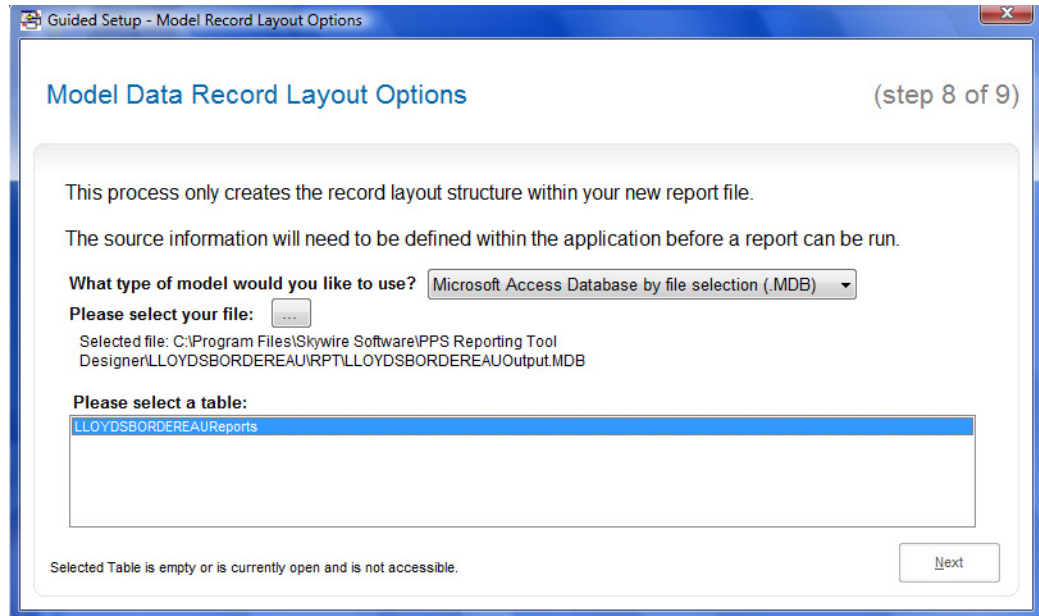


The Microsoft Access Database by DSN model selection option changes this screen to match the following screen. The list on the left contains Microsoft Access DSNs that are not empty databases. The list on the right shows all of the available tables within the selected DSN on the left side. In this example, the table that was just created is empty.

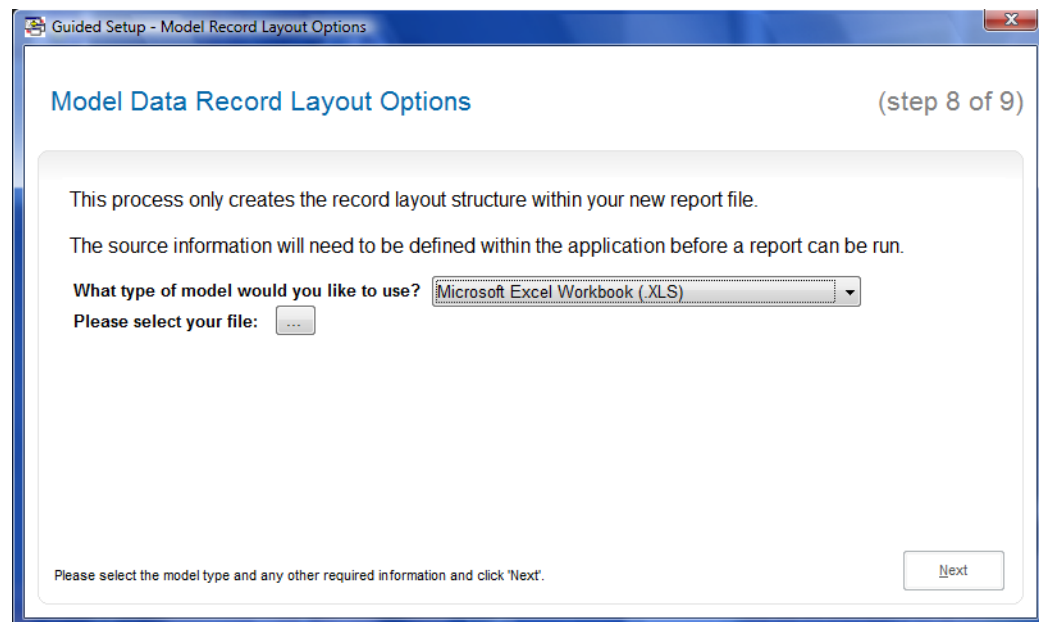


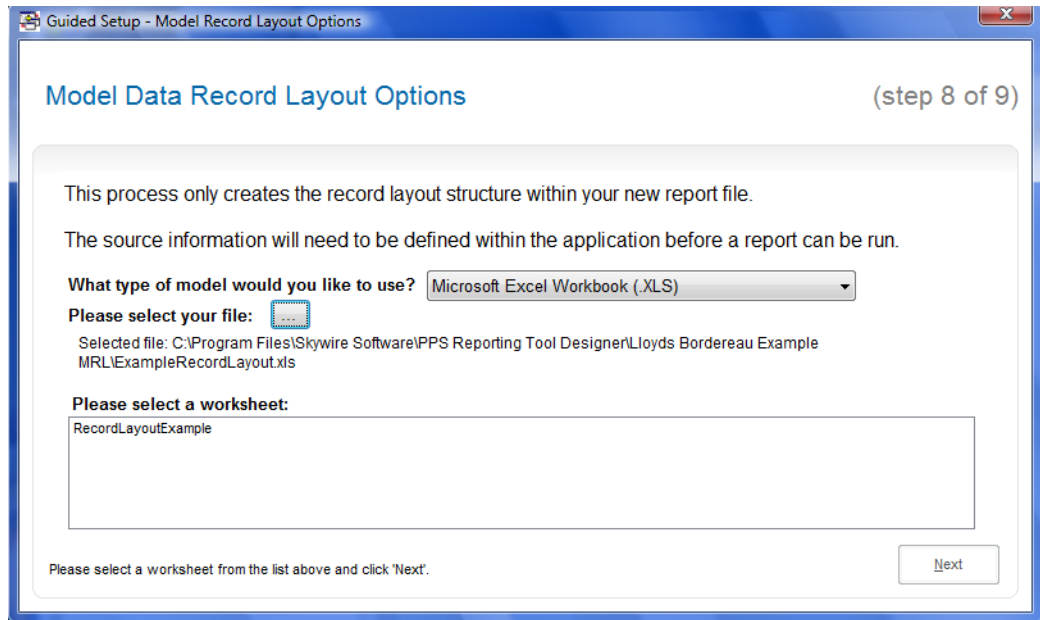
Choosing the Microsoft Access Database by file selection option changes this screen to match the following screen. To select a database, click the button next to the file selection caption. This opens a Browse window which you can use to search your machine. When you find the file you want, click Open and the path of your selected file is filled in for you. The following list the selected database contains all of the available tables within that database. In this example, the table that was just created is empty. Please see the next two screens for a reference.





Choosing the Microsoft Excel Workbook option changes this screen to match the following screen. To select a document, click the button next to the file selection caption. This opens a Browse window which you can use to search your machine. When you find the file you want, click Open and the path of your selected file is filled in for you. The list below the selected workbook contains all of the available worksheets that have column data within the first row. Please see the next two screens for a reference.





DATA RECORD LAYOUT CREATION SCREEN

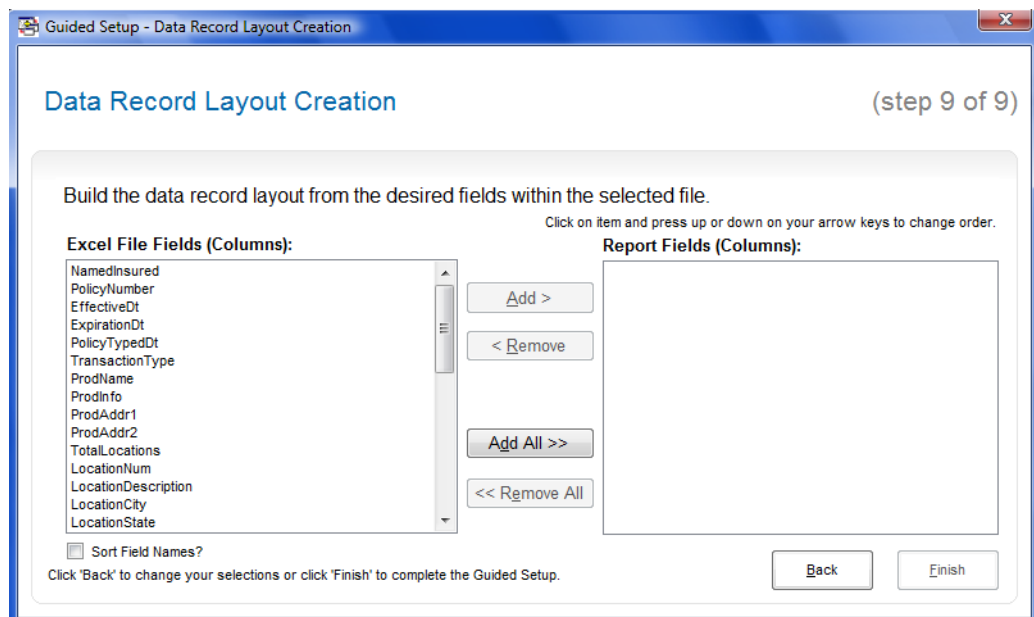
This screen shows all of the information you can select to create the model of your new report file based on the options selected on the previous screen.

You can cancel this model process by clicking the X in the top right corner. The report file created in the previous steps is then loaded into the Reporting Tool.

You can go back to the previous screen and change your model file options by clicking Back. Please note that if any items are changed on the previous step then any report layout you have designed will be lost.

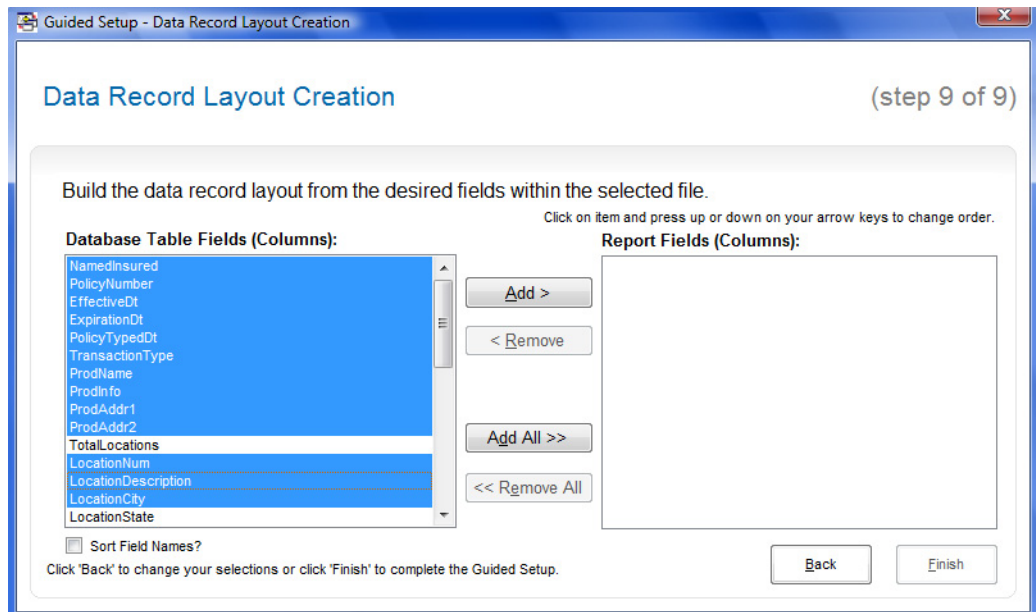
When you have designed your report record layout, click Finish to build the record layout in your new report file that was created in the previous steps of this guided setup. The guided setup then closes and loads the Reporting Tool with the new report file.

This screen shows an example of the Excel Workbook option. These columns were read from the selected worksheet on the previous screen.



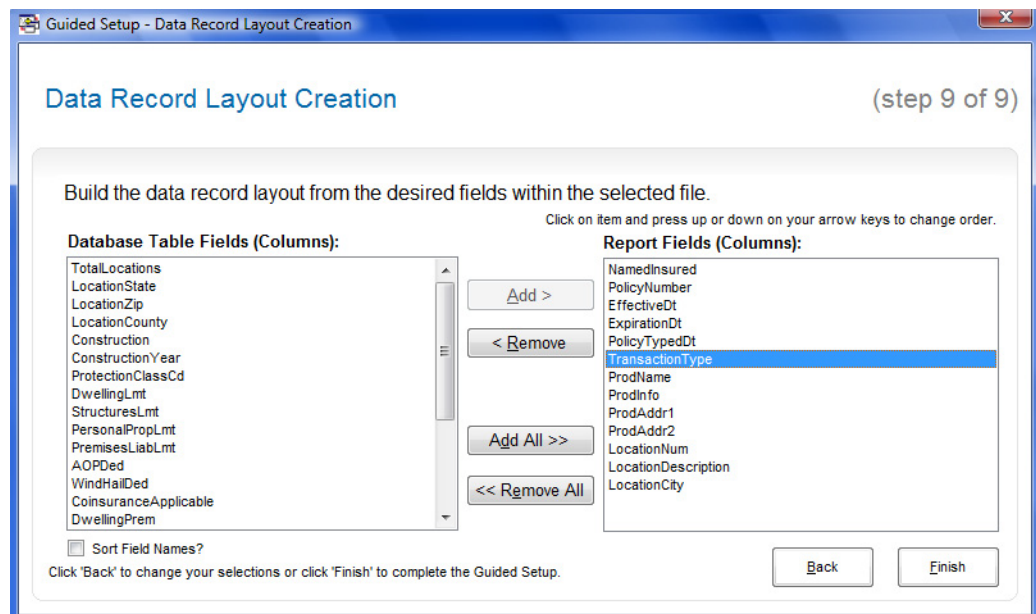
The following screens show an example of how you would pick column names by having a database or DSN and corresponding table selected. The available field names within the table appear on the left side within the Database Table Fields (Columns) section. The Report Fields (Columns) on the right side are used to create your initial report layout. You have many options on which fields you would like to move to your record layout. You have no limitations except that you must select at least one field to be in your record layout.

NOTE: When using a database by the file or DSN selection, the size for each column is read from the selected table's field definitions. This is used to default destination size for each column within your data record layout.

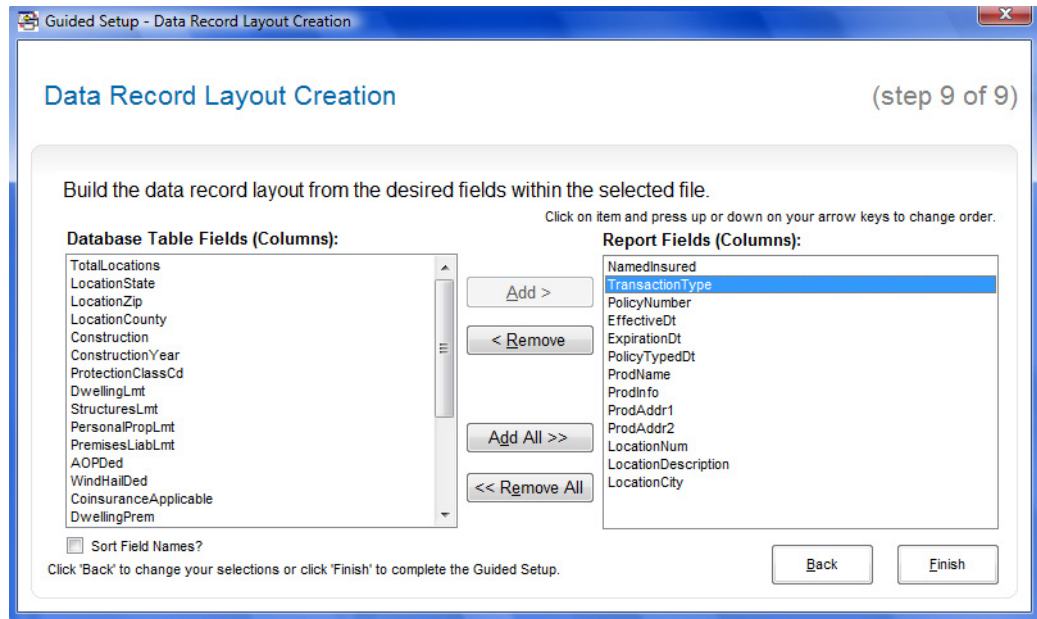


The table fields are listed in the order they are read from the database table, but you can click the Sort Field Names option to sort them alphabetically.

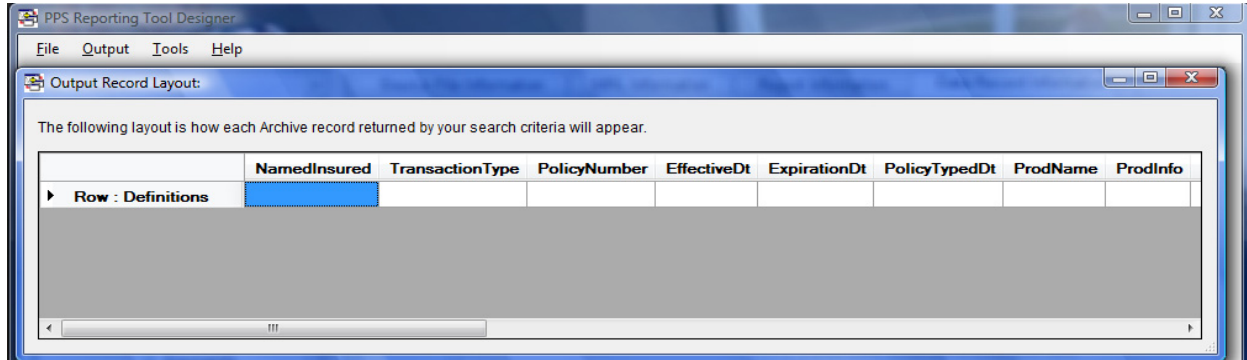
To reorder any of the column names you have added to the report fields section, simply click on the item you would like to reorder and press the Up or Down arrow keys. See the following screens for an example of changing the order of the selected field, TransactionType.



As you can see in the following screen, the TransactionType column was moved up in the layout.



The following screen is not part of the guided setup, but is an example of viewing the report record layout that was created with using the options on the screen above. For more information, see [Viewing the Current Record Layout on page 112](#).



Chapter 4

Using the Reporting Tool

This chapter discusses how you can use the Reporting Tool. Included are discussions of these topics:

- [Start-Up Options on page 74](#)
- [Moving Around in the Reporting Tool on page 75](#)
- [How the Data Mining Engine Works on page 77](#)
- [Using an MRL Database on page 79](#)
- [Defining Data Source Names on page 82](#)
- [Filtering the Archive Index on page 86](#)
- [Creating a Report on page 87](#)
- [Viewing the Current Record Layout on page 112](#)
- [Using the Help System on page 114](#)

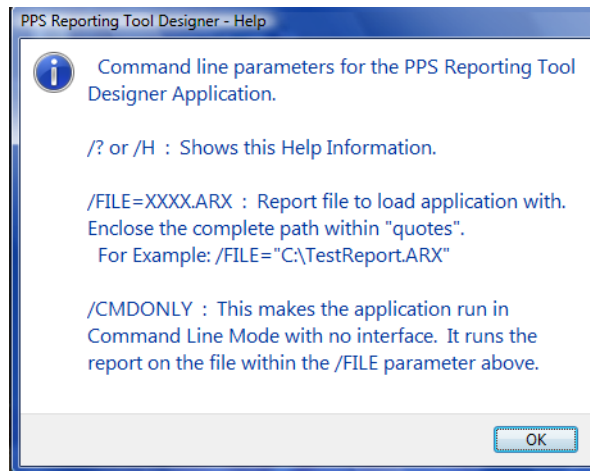
START-UP OPTIONS

The Reporting Tool Designer has the following command line parameters which you can use to customize how it runs.

Program name PPSRPT.EXE
Syntax PPSRPT /? /FILE%"XXX.ARX" /CMDONLY

You can use these parameters:

Parameter	Description
/? or /H	Shows the help message shown below. No processing occurs when you include this parameter.
/FILE	Tells the Reporting Tool which report file to load. Enclose the complete path and report file name within quotation marks ("").
/CMDONLY	Use this parameter with the /FILE argument to tell the Reporting Tool to load and run the report file with any advanced reporting options selected and without displaying a user interface.



MOVING AROUND IN THE REPORTING TOOL

The Reporting Tool's interface was designed for ease of use. There are two main parts of the main user interface. See the following screen for a reference.

- ARX structure view

The left side is a hierarchal view of the loaded ARX report file. This structure is very similar to, but not the same as the XML structure that is actually making up the ARX report file. You can select any node within the structure by clicking on the node. The node is then highlighted and any child nodes become visible. The Information tabs on the right side are changed to the correct tab for the node you selected.

NOTE: You can use the right or left mouse button. If you use the right mouse button on the DataInfo node or the first row and its columns, a menu appears that lets you add and delete rows and columns within the record layout. For more information, see [Defining Your Output Record Layout on page 107](#).

For more information about ARX files, see [FORM.DAT file on page 118](#).

You can show or hide a node's children by left clicking the plus (+) or minus (-) symbols to the left of the node.

- Information tabs

The right side of the main window is divided into four tabs. You can access these tabs by clicking on the tab name, using the Previous Tab and Next Tab buttons, or by clicking on the corresponding section within the ARX structure view.

- Shortcut keys

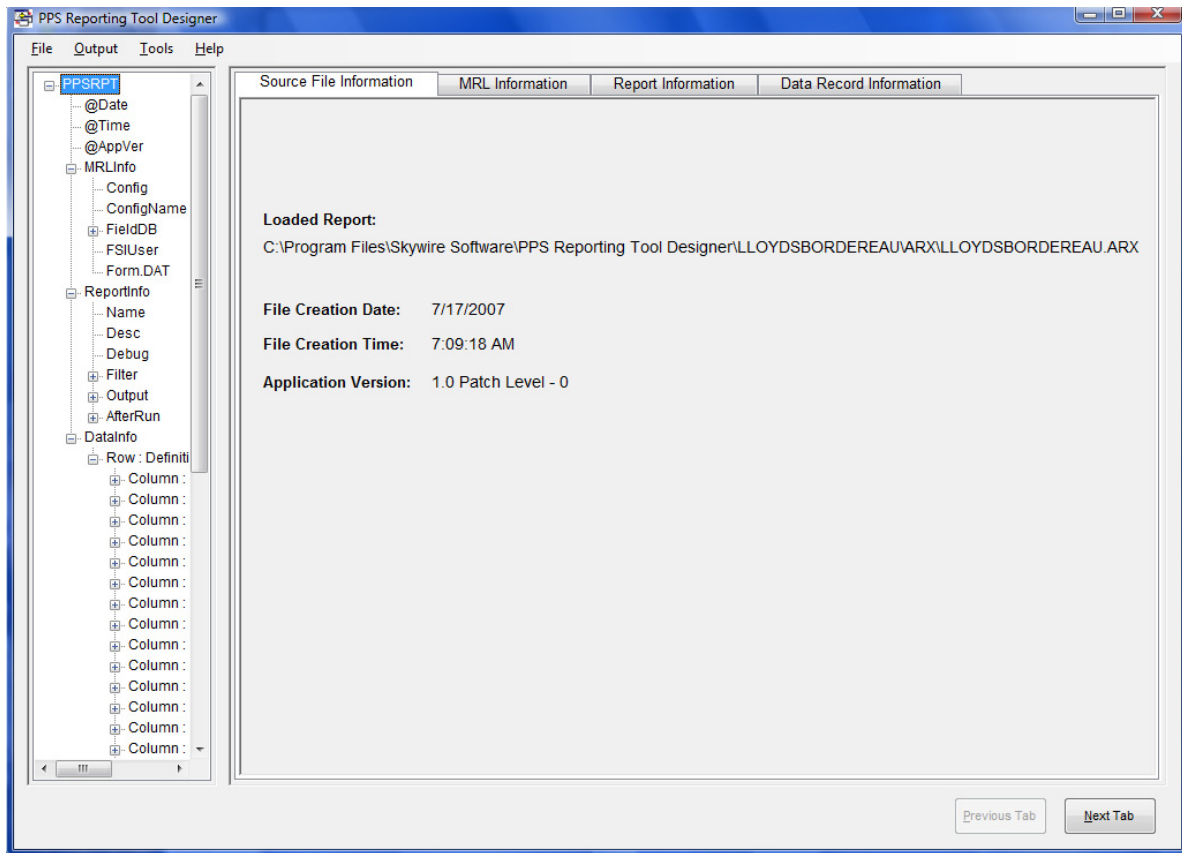
There are a number of ways to quickly access options within the application by using the keyboard and the use of the ALT key. To do this, simply hold down the ALT key and press the underlined letter key for the option that you would like to use. All of the menu options and most of the available buttons within the application have shortcut keys. The buttons and menu options must be enabled to access them with a shortcut key.

For example, to go to the next or previous information tab without clicking on the tab name or clicking the Next Tab and Previous Tab buttons, you can hold **ALT** and press *P* or *N*.

Please note that if you are making a selection from a list and you use a shortcut key to access another feature, the currently highlighted item within the list will be selected.

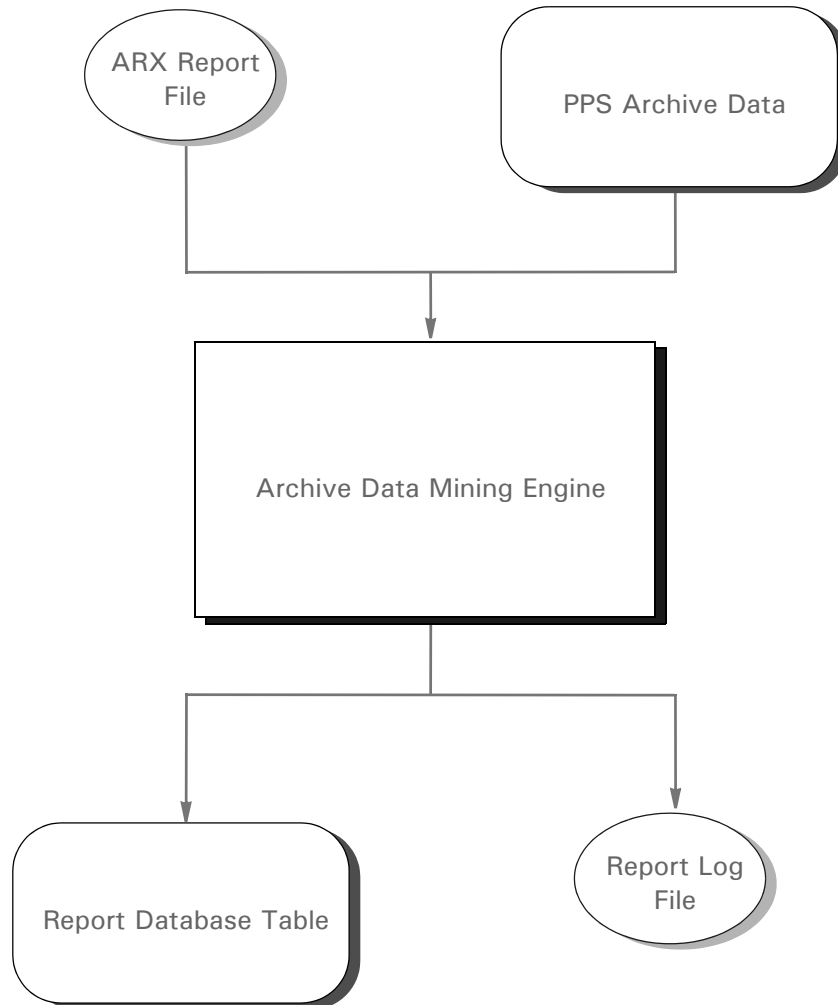
- TAB and SHIFT+TAB

When entering data into a field, press TAB to go to the next available field. If you hold down the SHIFT key and press TAB, you go to the previous field.



HOW THE DATA MINING ENGINE WORKS

The PPS Archive Data Mining Engine extracts the PPS archive data defined in the ARX report file to generate the desired report. Extract data is stored in the selected output DSN and table.



SELECTING THE RIGHT ARCHIVE

The Archive Data Mining Engine gets the location of the PPS archive from the selected FSIUSER.INI file.

NOTE: If the selected FSIUSER.INI file contains multiple configurations, you must select the desired configuration on the MRL Information tab before you can generate a report.

OPENING THE RIGHT DATABASE AND TABLE

Before processing, the engine checks the report database you selected within the output DSN and the table layout to make sure they are in sync with the ARX report file. To change the output DSN or table, use the Report Information tab.

SELECTING ARCHIVE TRANSACTIONS

The archive transactions selected for processing are based on the selected date range and/or transaction codes on the Report Information tab. The transaction codes that are available are defined within your PPS environment's INI files within the Transactions control group.

FILTERING ROWS

Report rows can be filtered (excluded from the database) by form filters, field filters and/or DAL filters. Filtered rows are not written to the output database table. To alter these filters, use the Data Record Information tab.

REPORT LOG FILE

If the Report log is turned on from the Report Information tab, it shows you the number of rows written to the output table, any errors, and an explanation of why a specific archive record was filtered.

PROCESSING TRANSACTIONS

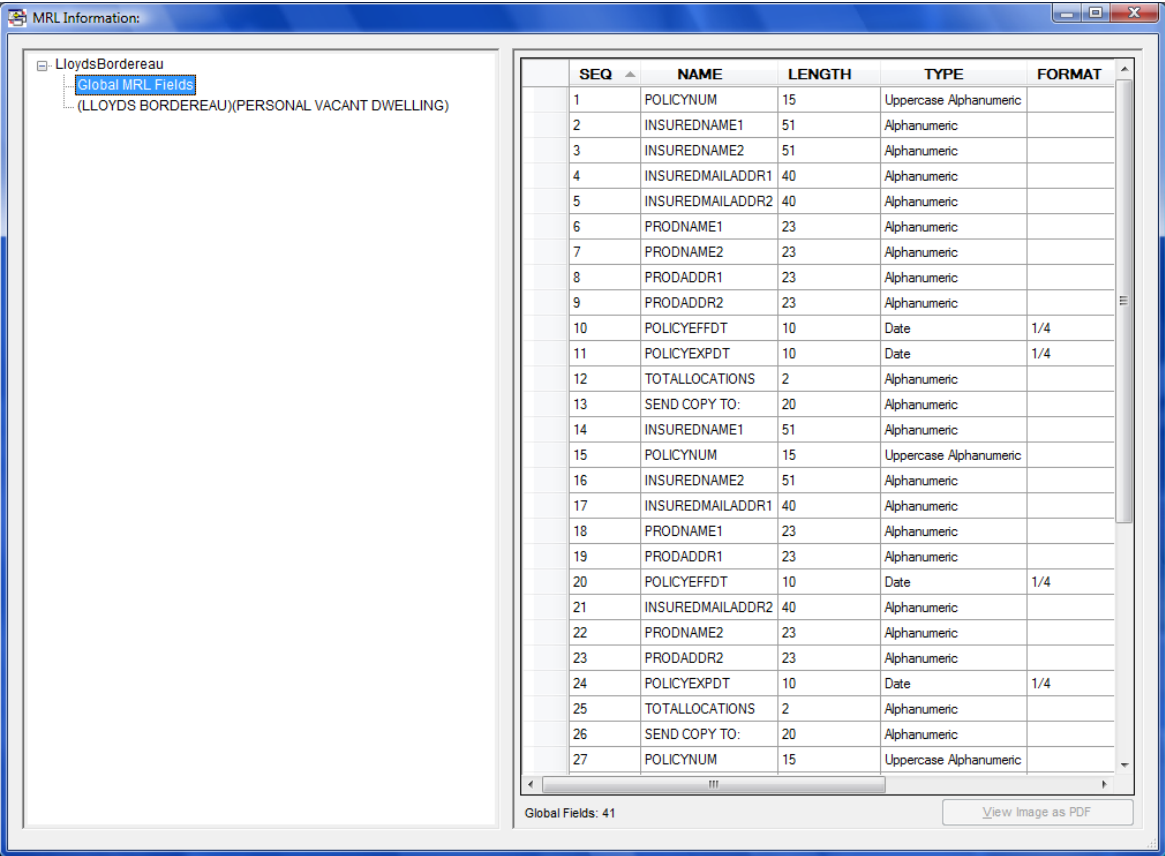
The engine loads the PPS archive data for each selected transaction. The ARX report file lists the fields for each data row to be written to the report database table. The ARX report file also includes the location of the PPS archive source data for each column field, as well as any formatting requirements.

For each report data row, the engine extracts (and formats if required) the desired archive data into appropriate data fields.

USING AN MRL DATABASE

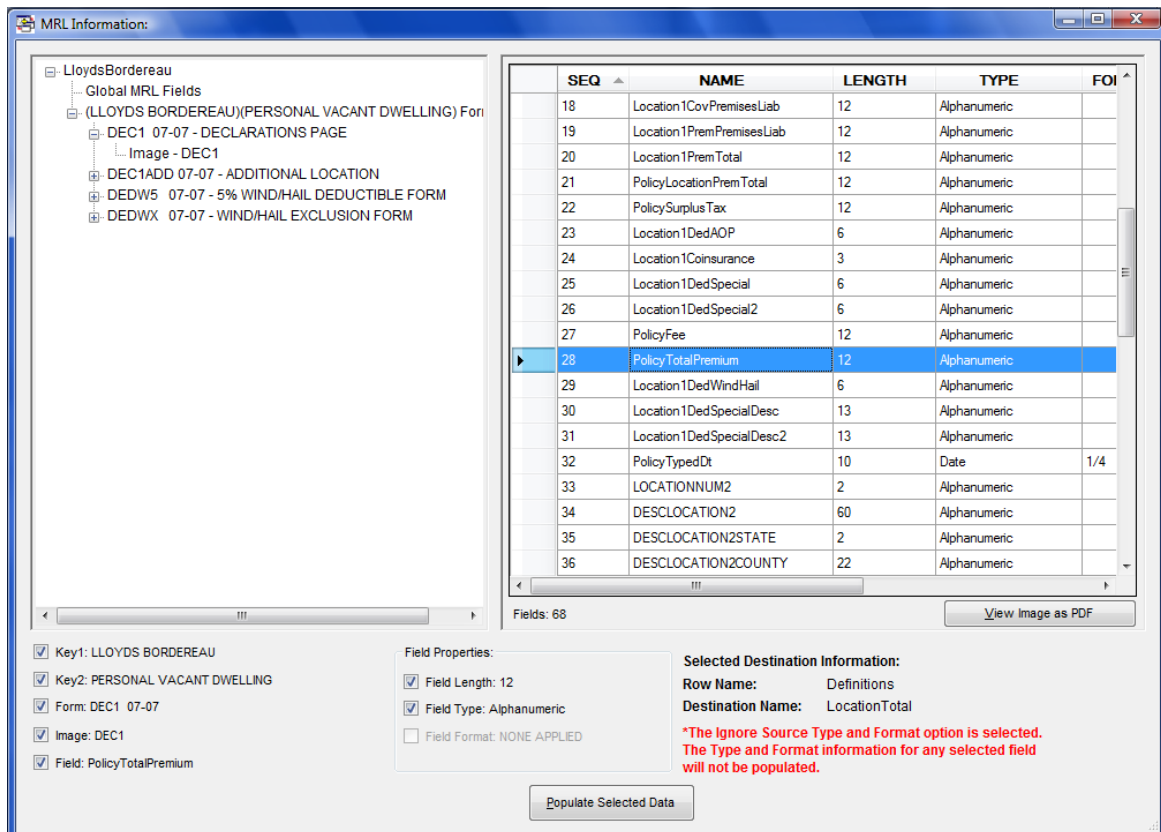
When you have an MRL database, you can easily view all of the information contained within the database by clicking the Show Contents button on the MRL Information tab. The following screen shows the information you will then have available. This version of the MRL Information form helps make sure you have the correct MRL database selected.

The left side gives you a hierarchical view of the forms and sections (FAP files) contained in the MRL when the database was created. When you select the Global MRL Fields node, the right side shows all of the variable fields defined with a global scope. When a section is selected on the left side, all of the variable fields for that section are shown on the right side. You can sort the variable fields on the right side by clicking on the column names.



The MRL database can also help you pick your source data more efficiently and effectively. When an MRL database has been assigned to a report file, you can then access the following form by clicking the Populate Source from MRL DB button on the Data Record Information tab from in the Reporting Tool.

This version of the MRL Information form contains almost all of the information that can be entered for a source input. You can select or remove any of the information by clicking the checkbox next to the desired or undesired data. When finished with the selection of your source data, click the Populate Selected Data button. The information is then entered into the source fields within the selected column on the Data Record Information tab. You can close this form without making any changes by clicking the close button (X) in the top right corner.



VIEWING SECTIONS (FAP FILES) AS PDF FILES

When filling in the source information for your desired output, it can be difficult to remember all of the variable field names on all of the possible sections within a large MRL. To make this process easier and to help you find the right variable field, you can view a selected FAP file as a PDF at any time while on this form by clicking the View Image as PDF button. See the following section for an example. The MRL configuration within the MRL database must match the configuration selected within the FSIUSER.INI file for this option to work.

NOTE: You must have a PDF file viewer, such as Acrobat Reader, on your computer to use this feature.

The PDF file that is created has all of the variable fields available for that section. When you hold your mouse over a variable field, information specific to that field appears to make it easier to find the field you are looking for on the MRL Information form.

Adobe Reader - [DEC1.PDF]

File Edit View Document Tools Window Help

Save a Copy Search Select 113% Adobe Reader 7.0

Liability Coverages: L - Premises Liability M - Medical Payments	Limits of Liability \$Location1Cov Not Covered	Premiums \$Location1Pre
Location Total Premium:		\$Location1Pre
Policy Totals:	Total Premium for all Locations:	\$PolicyLocat1
	Policy Fee:	\$PolicyFee
	Surplus Lines Tax:	\$PolicySurpl1
No Flat Cancellations	Total Policy Premiums:	\$PolicyTotalB

In case of loss under this policy we cover only that part of the loss over the deductible stated for this location.

Property Deductible(s): All Other Perils \$Locat1 Wind/Hail \$Locat1 Coinsuran
 Special: Location1Ded \$Locat1 Special: Location1Ded

DATE: PolicyType BY _____
 DEC1/07/07 SUBPOLICY LINE BROKER

PolicyTotalPremium
 Field Name: PolicyTotalPremium
 Field Type: Alphanumeric
 Length: 12
 Scope: Image
 Rotation: 0 deg.: Normal
 Font: 12010 (Courier 10 PT)
 Locale:

Key1: LLOYDS BORDEREAU
 Key2: PERSONAL VACANT DWELLING
 Form: DEC1 07-07
 Image: DEC1
 Field: PolicyTotalPremium

Field Properties:
 Field Length: 12
 Field Type: Alphanumeric
 Field Format: NONE APPLIED

Selected Destination Information:
 Row Name: Definitions
 Destination Name: LocationTotal

**The Ignore Source Type and Format option is selected. The Type and Format information for any selected field will not be populated.*

Populate Selected Data

DEFINING DATA SOURCE NAMES

A Data Source Name (DSN) provides connectivity to a database through an ODBC (Open Database Connectivity) driver. The DSN contains an optional description of the database, the actual name and location of the physical database as well as the driver used to access it. There are other features of a DSN, but this is all that is required by the Reporting Tool.

NOTE: ODBC (Open Database Connectivity) is a standard database access method that makes it possible to access any data from any application, regardless of the database management system that is handling the actual data. The Reporting Tool only uses Microsoft Access DSNS.

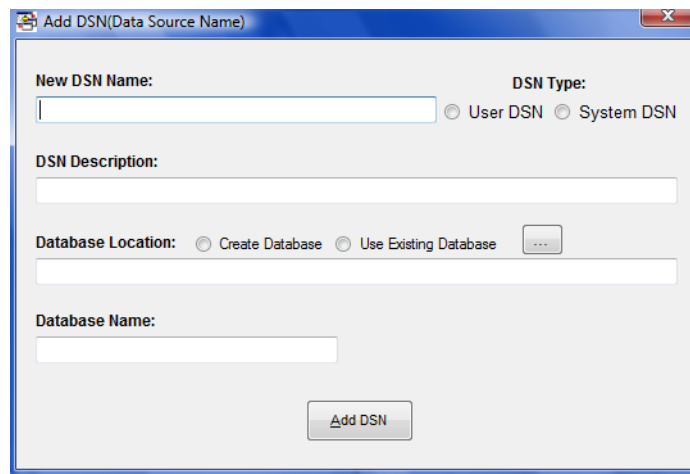
Creating DSNS in the Reporting Tool

The Reporting Tool can create a DSN for your MRL database and your output database. Both of these DSN types are added using the following form, but it is accessed in a different manner. See the following topics on how to access this form.

Keep in mind:

- The process of creating an advanced reporting options DSN is the same as the report output DSN. For more information, see [Using Advanced Reporting Options on page 100](#).
- You cannot use the same DSN for an MRL database and a report output database.

The Guided Setup process creates the DSNS for you automatically unless you select to use an existing DSN option.



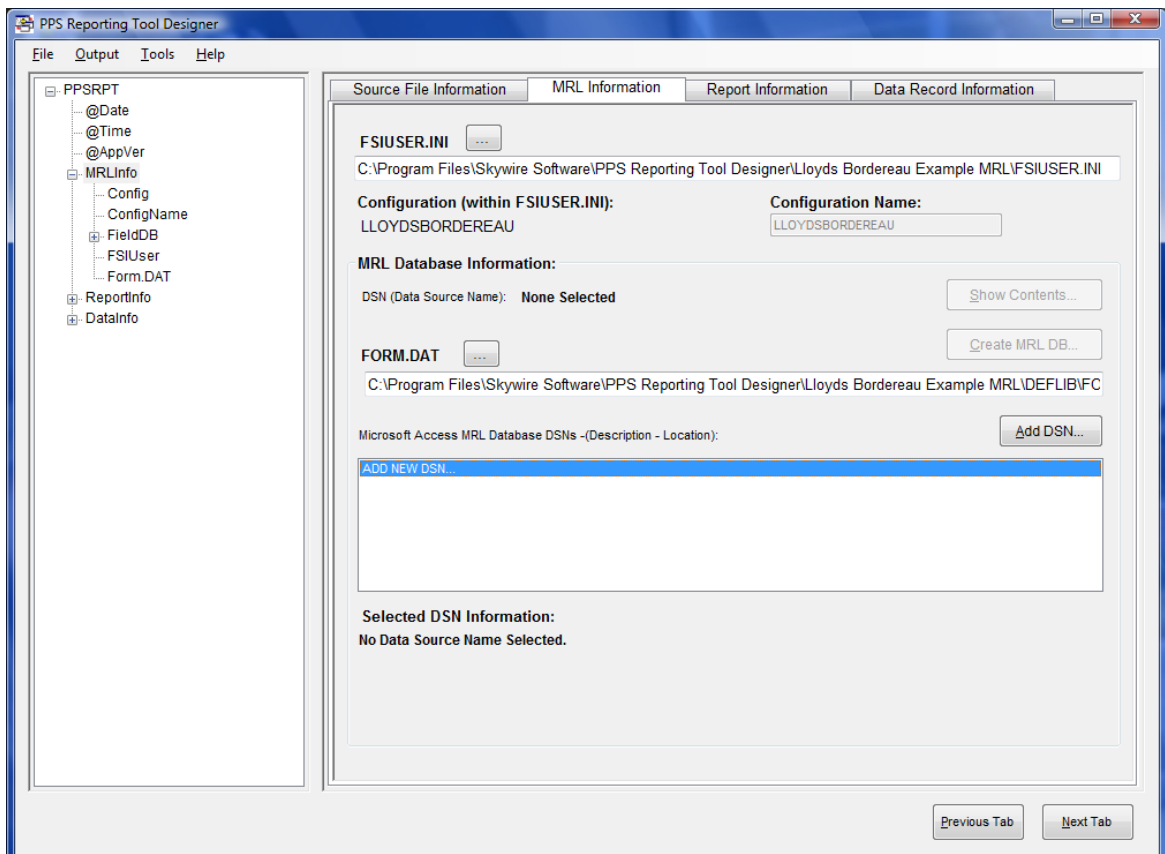
Field	Description
New DSN Name	Enter a unique name for the DSN. This is what Windows applications use to access the database.
DSN Type	<ul style="list-style-type: none">• Choose from these types of DSNS supported by the PPS Reporting Tool: User DSN – Can be used by a specific user on the machine.• System DSN – Can be used by anyone who has access to the machine.

Field	Description
DSN Description	(Optional). Enter an optional description for this DSN.
Database Location	Indicate where the database is location or will be created. Depending on the option selected, clicking the button to the right of this label either lets you select an existing database or create a new one at a specified location.
Database Name	Enter the name of the database.

When all of the above information is filled in, click Add DSN to add the DSN to the computer. You can also click the X in the top right corner to cancel the Add DSN process.

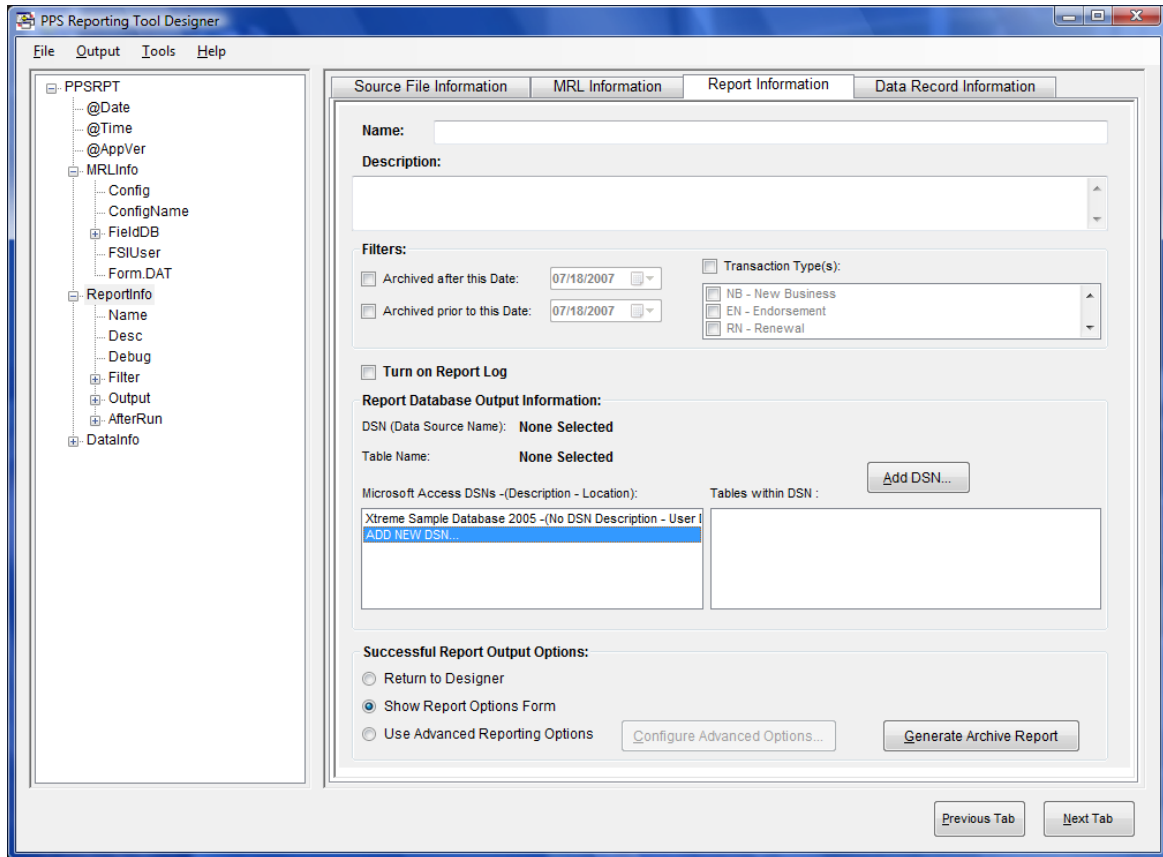
Adding an MRL Database DSN

To add a DSN for an MRL database, click on the MRL Information tab. Click on the Add New DSN item in the Microsoft Access MRL Database DSNs section. This makes the Add DSN button visible. Click on this button to access the Add DSN form above.

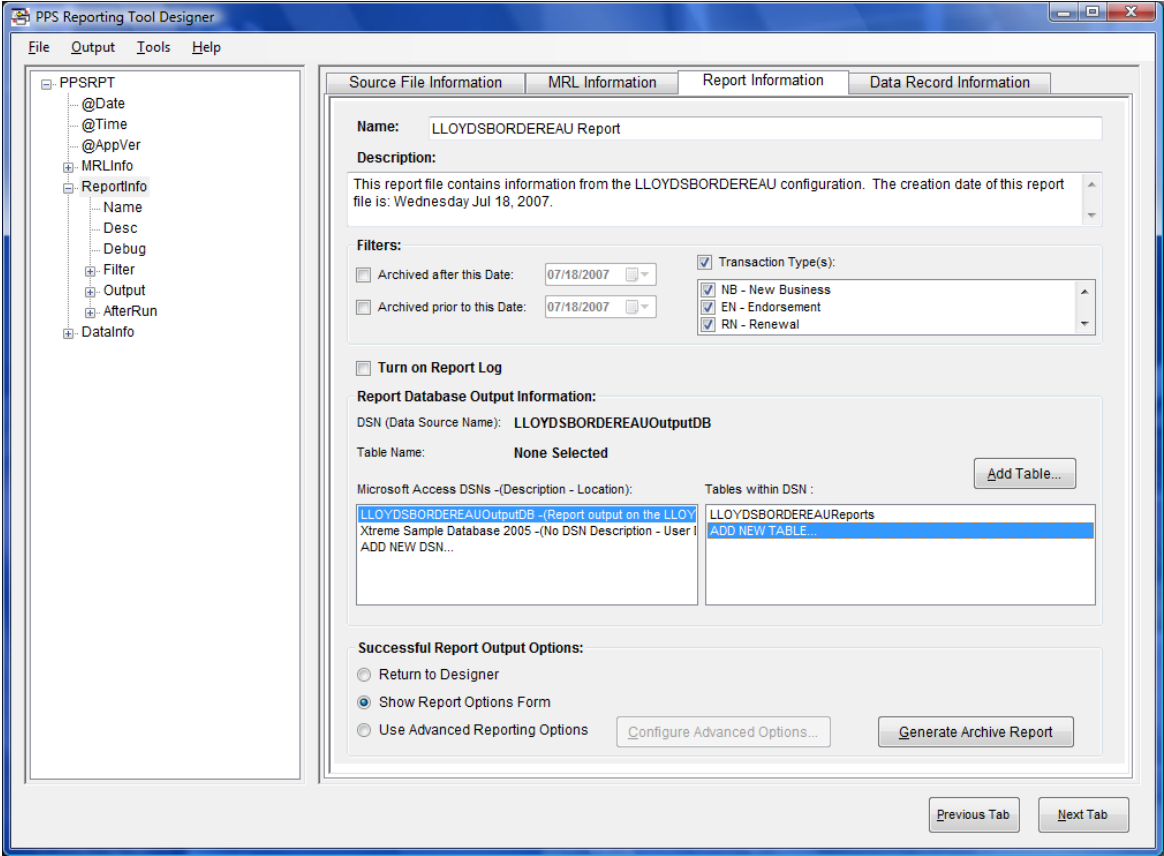


Adding a Report Output Database DSN and Table

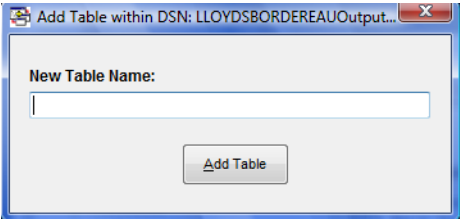
To add a DSN to use with an output database, click on the Report Information tab. Click on the Add New DSN item in the Microsoft Access DSNs section. This makes the Add DSN button visible. Click on this button to access the Add DSN form above.



To add a table to an existing DSN, click on Add New Table item in the Tables within DSN section. This makes the Add Table button visible. Click on this button to access the Add Table form. See the following screens for a reference.



Enter a table name and click Add Table to add the table to the selected database.



FILTERING THE ARCHIVE INDEX

The PPS archive is not a database, but it does have an index that can be used for finding records that match certain criteria. This step is considered a high level filter that lets you select the archived transactions you want to look at for your report.

Date filters

First enter a date range for the archive transactions the archive data mining engine should search. This is done by entering values in the Archived after this Date and/or the Archived prior to this Date fields. To input or change a date, simply make sure that the checkbox next to the date you want to enter is checked. After selecting the date field, you may then alter the date with your arrow keys, number pad, or by left clicking the arrow that is directly to the right of the date field. This opens the date selector.

Transaction type filters

To select specific transaction types to filter on, you must check the Transaction Type(s) section. You can then select and deselect the transaction types by left clicking the transaction types in the list. Note that the transaction codes and descriptions that are available within the list are read from your configuration settings in the selected FSIUSER.INI file. If no transaction types are selected, all transaction types are returned by the report.

Please note that the filters that are applied to your report file can greatly increase or decrease the amount of time that a report generation will take to complete. This is because of how many archive transactions the archive data mining engine must search

CREATING A REPORT

To create a report, follow these steps:

- [Creating or Loading an ARX Report File on page 87](#)
- Configuring an MRL database (for more information about this optional task, see [Filtering the Archive Index on page 86](#)). You can choose from these approaches:
 - [Assigning an MRL Database on page 90](#)
 - [Creating an MRL Database on page 89](#)
- [Filtering the Archive Index on page 91](#).
- Configuring an output DSN and table. You can choose from these approaches:
 - [Assigning Report Databases and Tables on page 93](#)
 - [Adding a Report Output Database DSN and Table on page 84](#)
- [Setting Report Options on page 93](#).
- [Defining Your Output Record Layout on page 107](#)
- [Assigning Values to Destination Columns in the Record Layout on page 18](#)
- [Generating a Report on page 111](#)

CREATING OR LOADING AN ARX REPORT FILE

First decide if you want to create an [ARX](#) file or modify an existing ARX file. For more information on ARX files, see [FORM.DAT file on page 118](#).

If you are loading an existing file and plan to change it for a new report, it might be a good idea to make a copy of the file before you make any changes. To do this, use the File, Open option to load the file you want to use and then use the File, Save As option to save the file with a different name.

You can create a new ARX file several ways:

- By creating an empty file that points to a specific MRL. You can do this with the File, New, Report File, Create Empty option.
- By using the guided setup. You can do this using the File, New, Report File, Use Guided Setup option. See [Using the Guided Setup on page 49](#) for more information.

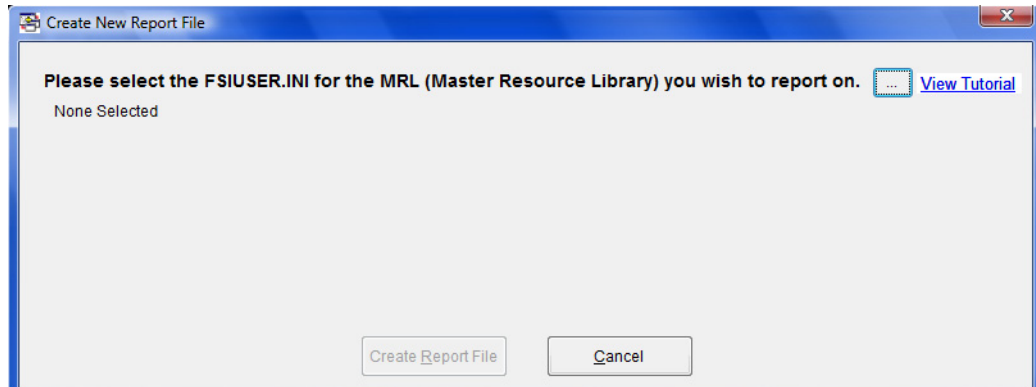
Creating a New Report File

The following screens show how to create a new report file using the File, New, Report File, Create Empty option.

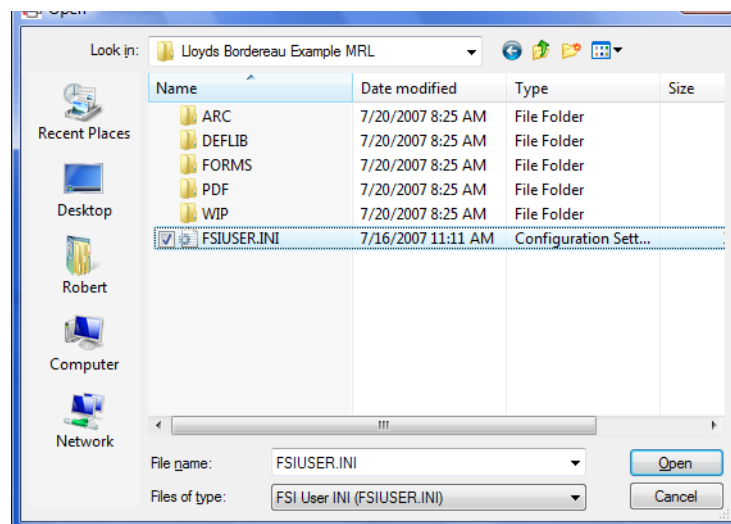
The first step is to select the MRL (Master Resource Library) that you want to do archive reports on. This is done by selecting the FSIUSER.INI file for the MRL.

NOTE: For more information on this file, see [FSIUSER.INI file on page 118](#).

The View Tutorial link guides you through a tutorial for setting up the Bordereau Example MRL in the Reporting Tool. Please note that changes are required to run the Reporting Tool and some of its features. These changes do not affect other Oracle Insurance applications. The Reporting Tool makes a backup of your file to make sure all of your previous settings are saved. See the following screen for a reference.



Find the FSIUSER.INI file for your MRL and click Open.



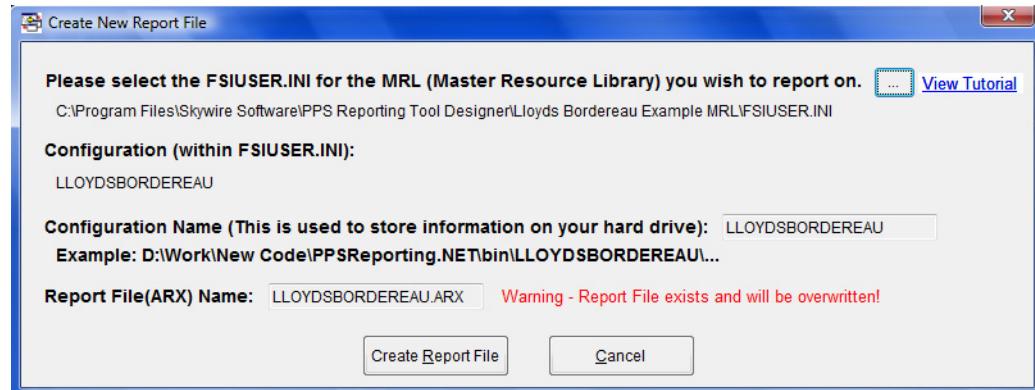
After you select the FSIUSER.INI file, the following information is available. Use the following screen as a reference.

The configuration (in the FSIUSER.INI file) is used to create a default configuration name and report file name. If there are multiple configurations, you must select one before you can create your report file.

The Reporting Tool uses the configuration name to create the directory it needs to store your files. You can change the default name.

The report file name is the name of the report file as it will be saved on the hard drive. If you already have a report file with this name within the configuration name selected, a warning appears.

To create your new report file, click Create Report File or click Cancel to return to the Reporting Tool.



CREATING AN MRL DATABASE

Please note that this is an optional process and is not required to do PPS archive reporting. See [Filtering the Archive Index on page 86](#) for more information.

Creating an MRL database within the Reporting Tool requires a few simple steps which are detailed in the following topics. You can also do this outside of the Reporting Tool by calling the Converter directly. See [Using the PPS MRL-to-Database Converter on page 3](#) for more information.

NOTE: This requires manual setup and configuration. For more information, see [Appendix B: Using the FDT2DB Utility on page 121](#).

Creating the MRL database from the Reporting Tool

See the following screen for a reference.

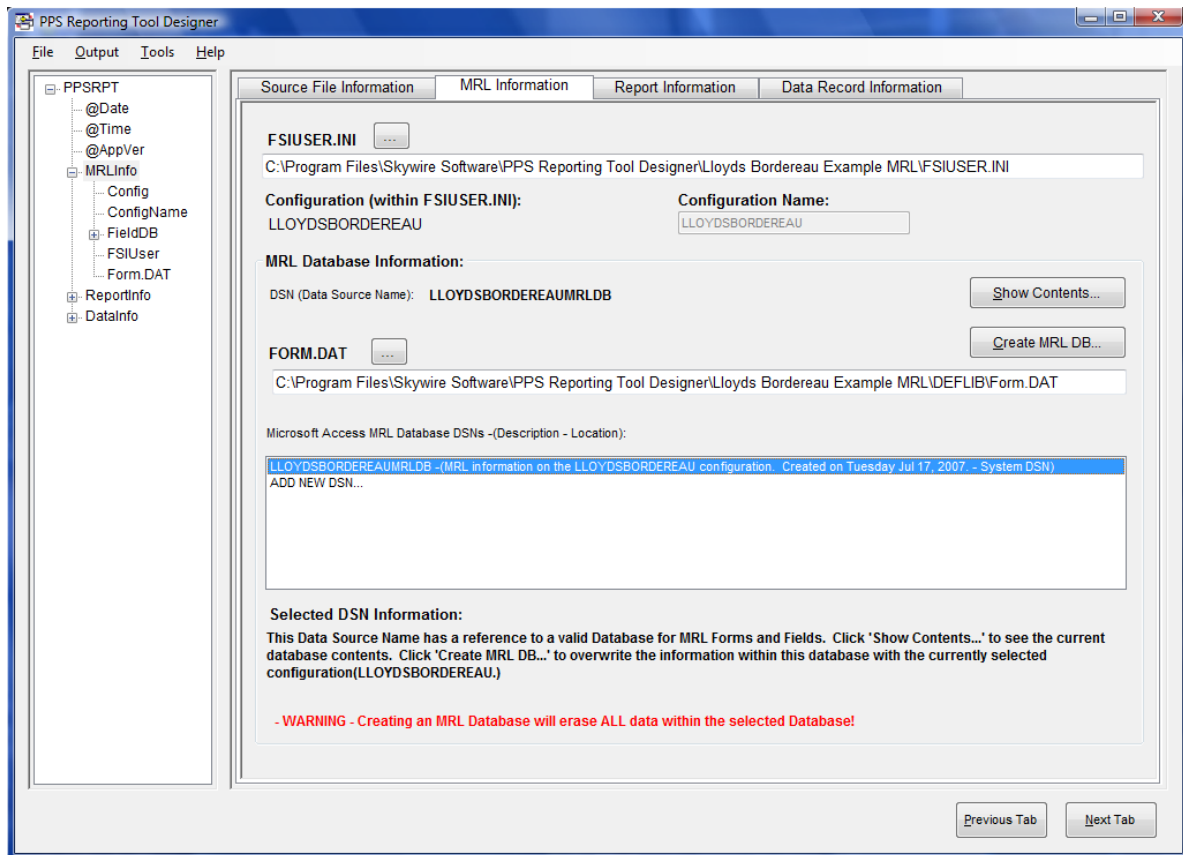
Click the MRL Information tab then select the FSIUSER.INI file for the MRL for which you want to create the database. Note that the sections (FAP files), variable fields, and corresponding library information are directly linked to the selected configuration in the FSIUSER.INI file. See [FSIUSER.INI file on page 118](#) for more information.

After this has been done, you must select the FORM.DAT file for the same MRL. See [FORM.DAT file on page 119](#) for more information.

Next, you must select or add the DSN for the database using the section, Microsoft Access MRL Database DSNs on the MRL Information tab. See [Appendix B: Using the FDT2DB Utility on page 121](#) or [Adding an MRL Database DSN on page 83](#) for more information.

Select a DSN by left clicking within the list to learn more about the database contents that a specific DSN references. If a selected DSN has the correct information within it to be an MRL database, the Show Contents button becomes available. Please note any warning messages within the Selected DSN Information section.

The final step is to click the Create MRL DB button and wait for the process to complete. The amount of time this takes depends on the size of the MRL you selected.



ASSIGNING AN MRL DATABASE

Assigning an MRL database to your report file is an easy process. The first step in this process is to select the FSIUSER.INI file for the MRL you want to do a report on. See [FSIUSER.INI file on page 118](#) for more information.

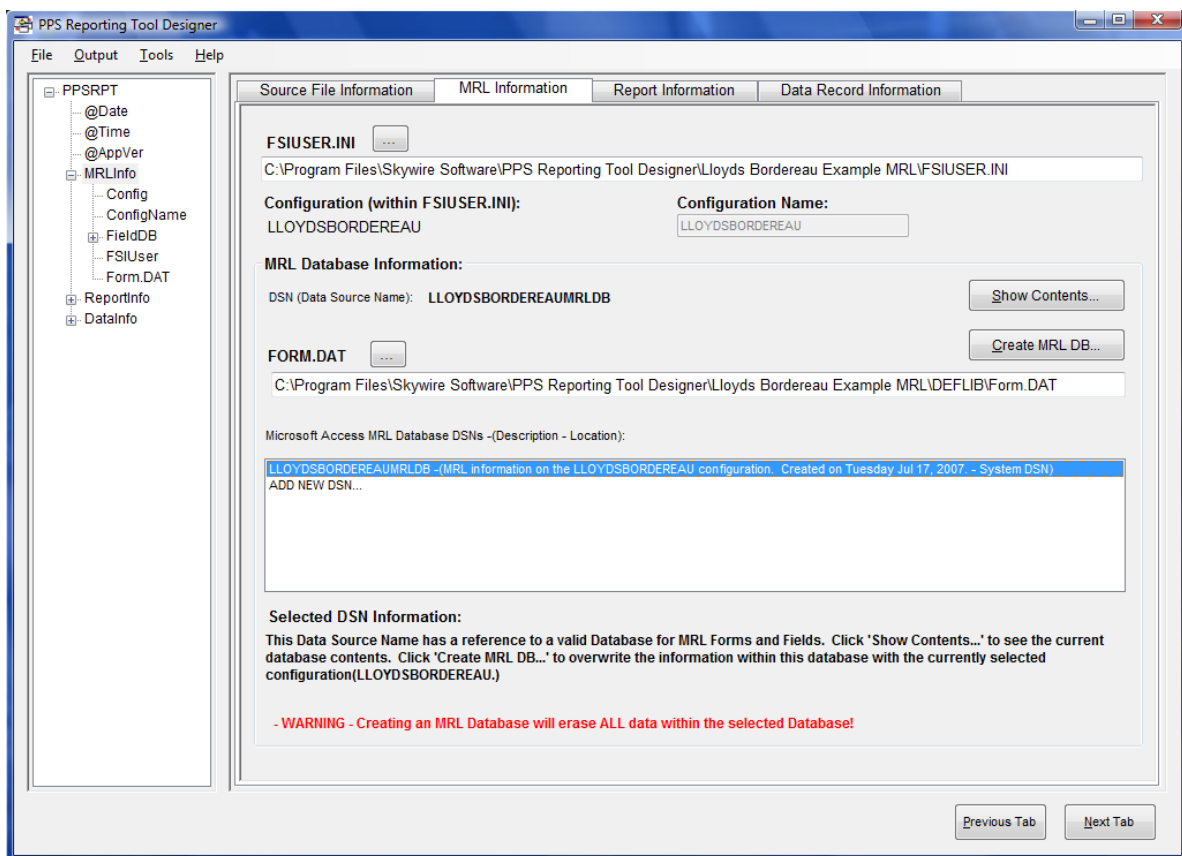
After you complete the above step, you can access the MRL Database Information section. You will notice that there is a selection area for a FORM.DAT file. This file is not required to assign an MRL database to your report file, but is required to create an MRL database.

Below the FORM.DAT section, there is a list of the available Microsoft Access DSNs on the computer that have valid field table information or are blank in the section, Microsoft Access MRL Database DSNs. For more information, see [Appendix B: Using the FDT2DB Utility on page 121](#).

Select a DSN by left clicking within the list and the Show Contents button becomes available as well as all of the benefits of an MRL database. For more information, see [Filtering the Archive Index on page 86](#).

To permanently assign the selected DSN to the report file, simply save the report file using the File, Save option. You can change the MRL database that is assigned to a report file at any time on the MRL Information tab by creating a new MRL database DSN or selecting another MRL database DSN. For more information, see [Creating an MRL Database on page 89](#).

NOTE: Keep in mind that if the MRL configuration you select in your FSIUSER.INI file does not match the library configuration in the MRL database, the information contained in the MRL database may not match the MRL you are trying to do reports on.



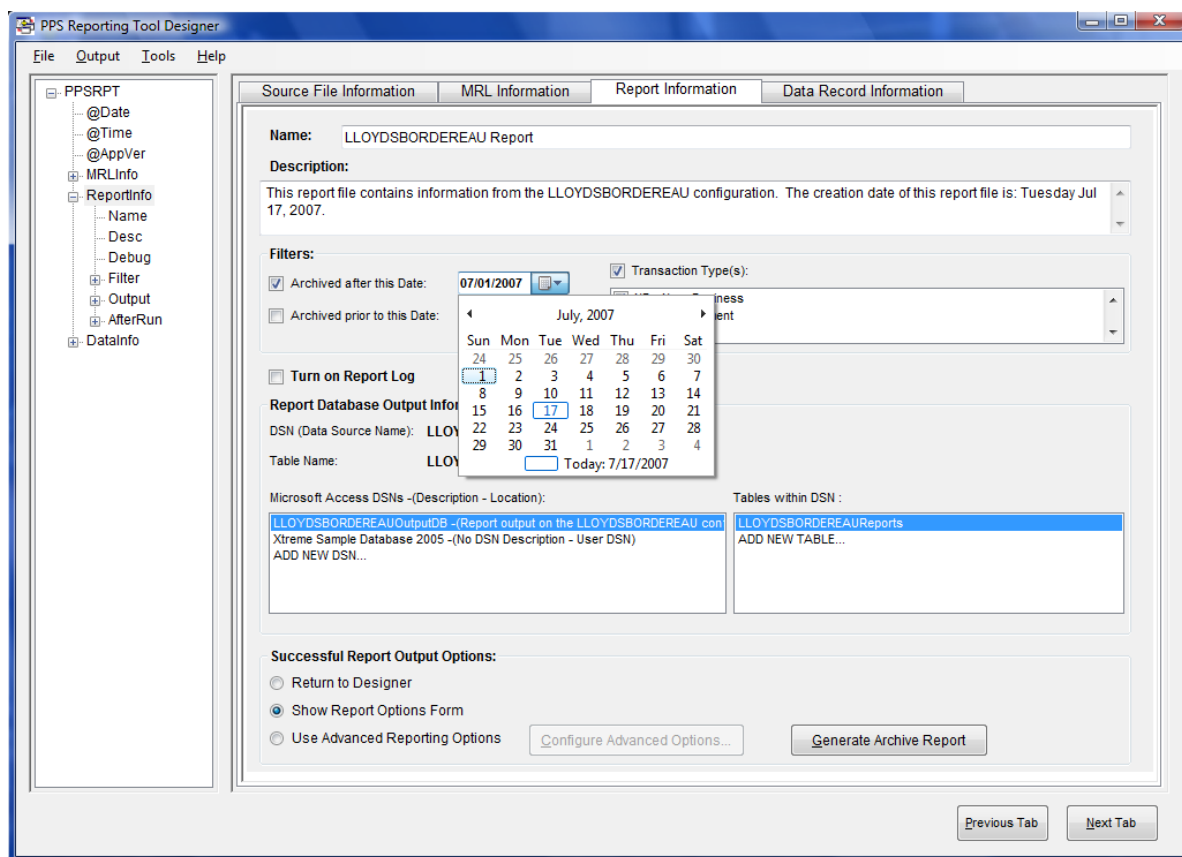
FILTERING THE ARCHIVE INDEX

The PPS archive is not a database, but it does have an index you can use to find records that match certain criteria. This step is considered a high level filter that lets you select the archived transactions you want to look at for your report. These filters are entered in the Filters section of the Report Information tab.

Date filters First enter a date range for the archive transactions the archive data mining engine should search. This is done by entering values in the Archived after this Date and/or the Archived prior to this Date fields. To input or change a date, simply make sure that the checkbox next to the date you want to enter is checked. After selecting the date field, you may then alter the date with your arrow keys, number pad or by left clicking the arrow that is directly to the right of the date field. This opens the date selector which is displayed below. If you want for a previously entered date to be ignored by the archive data mining engine, simply deselect the checkbox next to that date.

Transaction type filters To select transaction types to filter, there must be a FSIUSER.INI file assigned to the report file and you must check the Transaction Type(s) section. The transaction types can then be selected and deselected by left clicking the desired transaction type in the list. Note that the transaction codes and descriptions that are available from the list are read from your configuration settings in the FSIUSER.INI file. If no transaction types are selected, all transaction types are returned. See [FSIUSER.INI file on page 118](#) for more information.

Please note that the filters you apply to your report file can greatly increase or decrease the amount of time a report generation takes to complete. This is because of how many archive transactions the archive data mining engine must search.

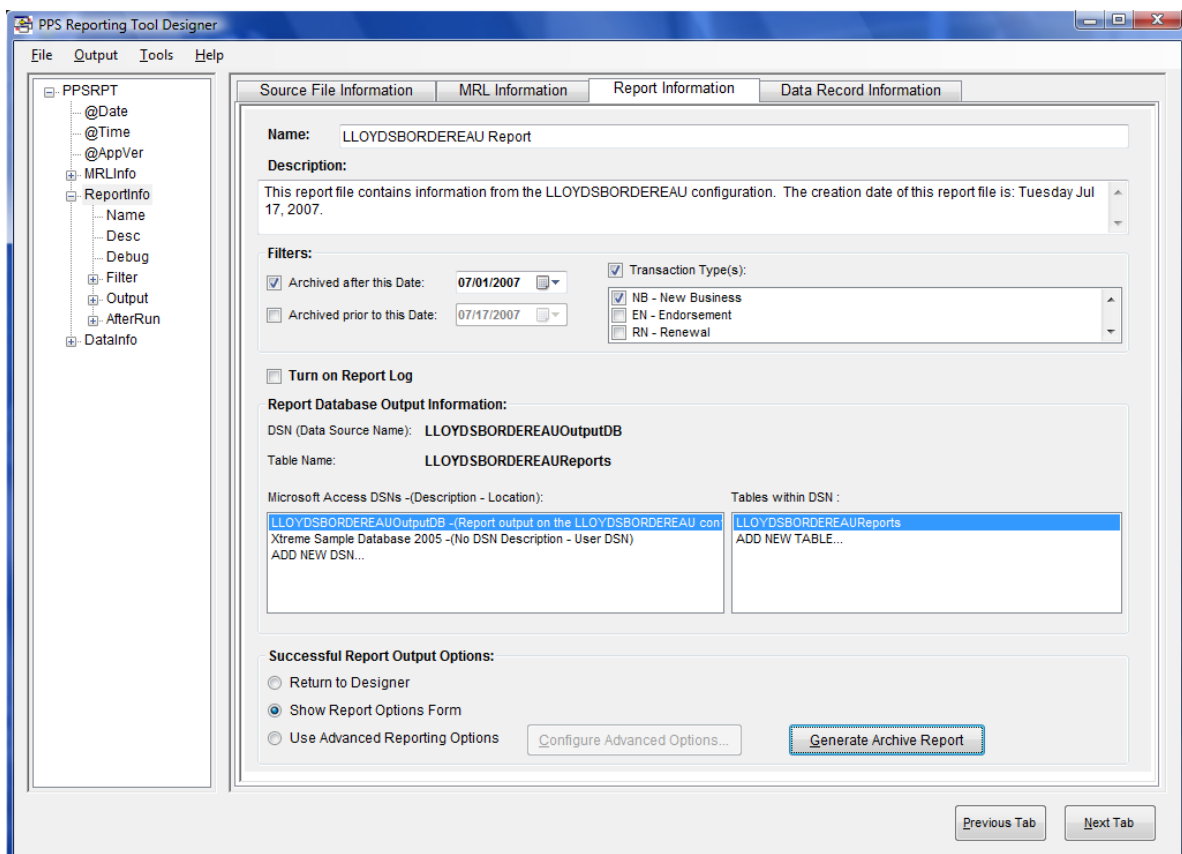


ASSIGNING REPORT DATABASES AND TABLES

Assigning the Report Database and Table to be used by your report is a very easy process. The available output DSNs are in the Report Database Output Information section on the Report Information tab. Simply select a DSN from the Microsoft Access DSNs list. The system then shows you the available tables in this database directly to the right under the Tables within DSN list.

Use the following screen as a reference. You can create DSNs and tables within selected DSNs by following these steps outlined in [Adding a Report Output Database DSN and Table on page 84](#).

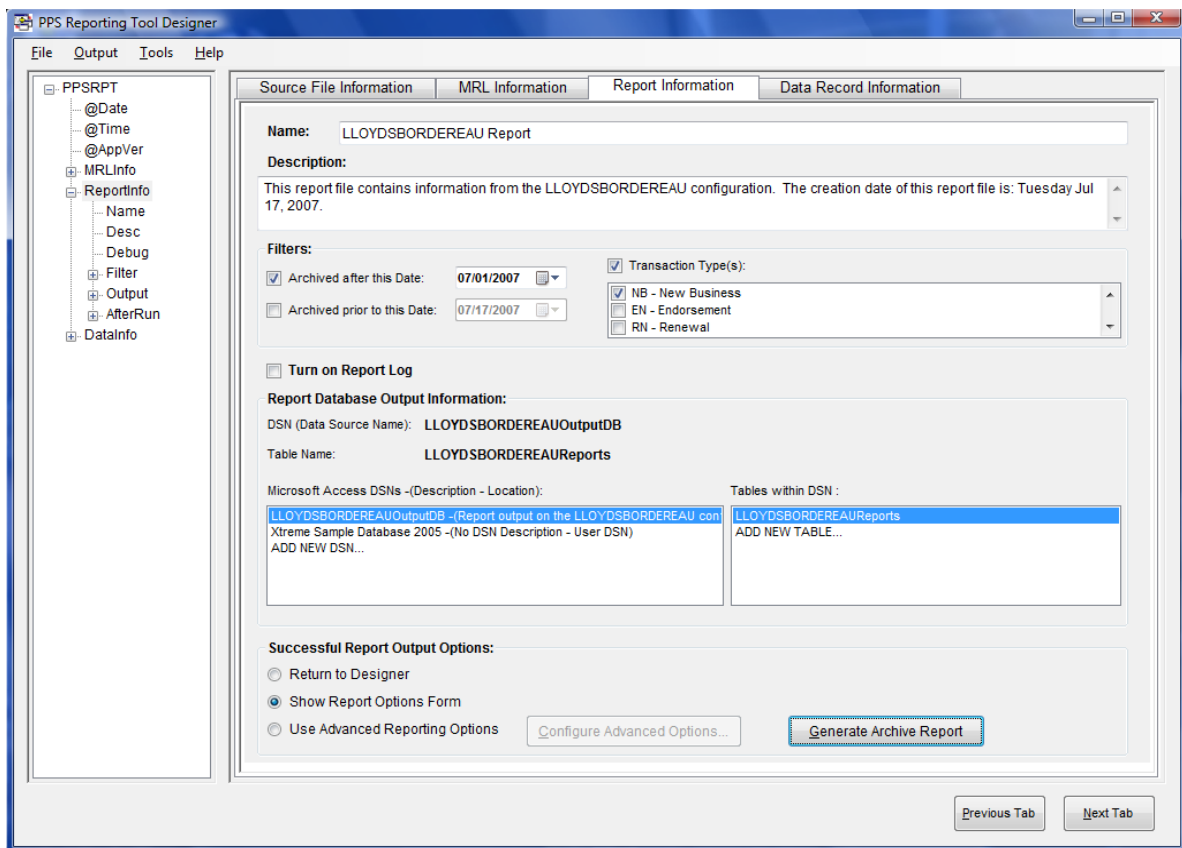
Each time a report is generated, the report table is cleared and then the report record layout is created before the transactions for this report are populated.



SETTING REPORT OPTIONS

You can select one of three options when your report is successfully generated. These options are selected in the Successful Report Output Options section on the Report Information tab. Here is a description of each of these options:

Option	Description
Return to Reporting Tool	This option returns you to the Reporting Tool when the report is complete.
Show Report Options Form	This option displays the Report Options form when the report is complete. See Using the Report Options Form on page 94 for more information.
Use Advanced Reporting Options	This option performs the advanced reporting options associated with the report file. See Using Advanced Reporting Options on page 100 for more information.

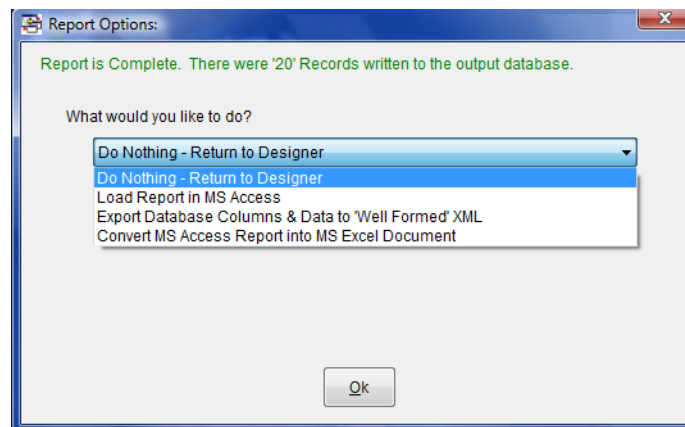


USING THE REPORT OPTIONS FORM

The report options form lets you select what you want to do with your data after the report has been generated. If the report was generated successfully and there were records returned that match your filter criteria, this will be indicated on the form. There are several options available to you when the report is complete.

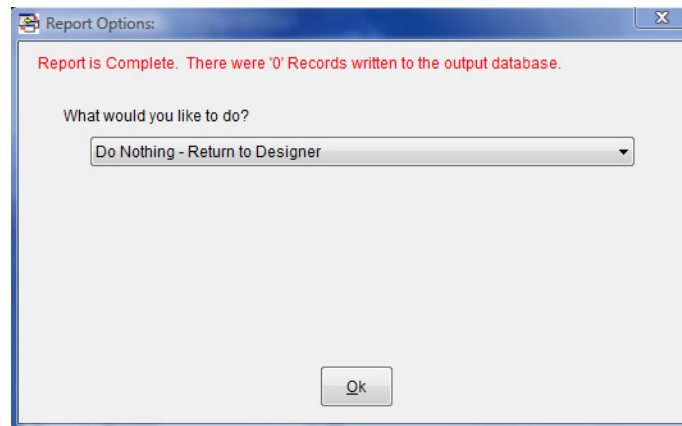
Option	Description
Do Nothing - Return to Reporting Tool	Use this option to return to the Reporting Tool without taking any action. You can also close this form without taking any action by clicking the close button (X) in the top right corner.
Load Report in MS Access	Use this option to load the database within the selected output DSN in Microsoft Access.
Export Database Columns and Data to Well-Formed XML	Use this option to take the information written to the selected output table and export the information in individual records within one well-formed XML document. This document conforms to the World Wide Web Consortium (W3C) standards for XML documents version 1.0. The actual report file has a documentation element that contains specific information about the report. Please note that the output table is not altered by this operation. Additionally, during the export to XML process, you are asked for a location to save the file. See Example XML Export on page 97 for more information.
Convert MS Access Report into MS Excel Document	Use this option to take the information written to the output table and convert it into a Microsoft Excel document. See Converting Output Tables to Microsoft Excel on page 96 for the settings associated with this option.

NOTE: The MS Access option is only available if Microsoft Excel is installed on the computer on which the report is generated.



What if no records match the search and filter criteria?

If you have a report that generates successfully but does not contain any records that match your search and/or filter criteria, the report options form will look like this. The output table was generated, so the Load report in MS Access will be available, but the two export features will not be.



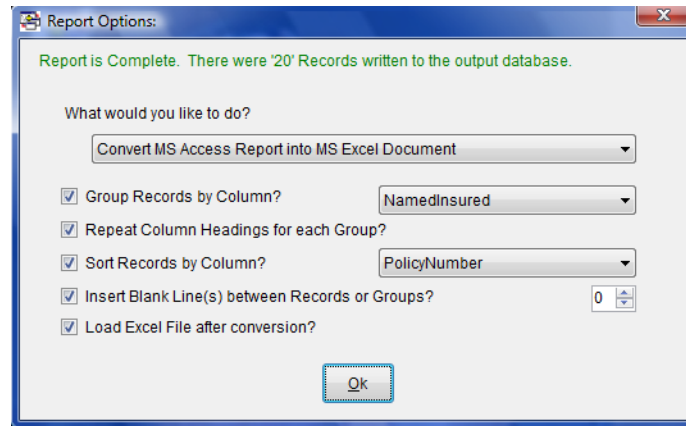
Converting Output Tables to Microsoft Excel

When you create report that has data you want to export to Excel, you have the following options. Note that to turn an option on or off, simply click the checkbox next to that option. All of the options default to on (checked) for each report generated.

Option	Description
Group Records by Column	Use this option to group all of the records by a specific column within your record structure. The available columns are selectable next to this option. This option defaults to the first column name defined in your record layout.
Repeat Column Headings for each Group	A default heading is generated within the Excel document that is comprised of the column names within your report. If you have the setting for Group Records by Column turned on, the column heading will repeat for each new group. This is useful if you have many records returned and you would like a logical separation.
Sort Records by Column	Use this option to sort the records returned by a specific column within your record structure. The available columns are selectable next to this option. This option defaults to the second column name defined in your record layout. If you have the setting for Group Records by Column turned on, the records are sorted within each of the groups. If that setting is off, the records are just sorted.
Insert Blank Line(s) between Records or Groups	Use this option to insert up to five blank lines between each of the returned records or returned groups (if the Group Records by Column setting is on.) The default is zero (0).
Load Excel File after Conversion	Use this option to automatically load the converted file into Microsoft Excel when the conversion process is completed.

NOTE: You cannot group and sort on the same column name.

The file that is converted will have a documentation sheet that is the second worksheet when the workbook is opened. This sheet contains specific information about the report. The first worksheet contains the report results. Please note that the output table is not altered by this operation. Additionally, during the conversion to Excel, you are asked for a location to save the file. See [Example Excel File on page 98](#) for more information.



EXAMPLE XML EXPORT

DOCUMENTATION ELEMENT

There is very specific information contained within the Documentation Element which helps define the report, index, transaction type filters, and output records information.

--<!--

PPS Reporting Tool Designer Information:

*Version: 1.0 - Patch Level - 0
Report Computer: LAPTOP01
Report User: Robert*

Report Information:

*Report Run Date-Time: 07/17/2007 - 08:04:28 AM
Report File: C:\Program Files\Skywire Software\PPS Reporting Tool Designer\LLOYDSB
Report Name: LLOYDSBORDEREAU Report
Report Description: This report file contains information from the LLOYDSBORDEREAU
Report Records Returned: 20*

Index Date Filter(s):

From Date: 7/1/2007

Transaction Type Filter(s):

NB - New Business

Report Output DSN(Data Source Name): LLOYDSBORDEREAUOutputDB

Report Output DSN Location: C:\Program Files\Skywire Software\PPS Reporting Tool D

Report Output Table Name: LLOYDSBORDEREAUReports

-->

XML Data Structure

The XML data structure contains the exact database table layout as well as the data returned from the report. There is an attribute at each record named, RecordNum, which is the order in which the records were written to the output database table.

```

<Table_LLOYDSBORDEREAUReports_Contents>
- <LLOYDSBORDEREAUReports RecordNum="1">
  <NamedInsured>John Cusack</NamedInsured>
  <PolicyNumber>100000</PolicyNumber>
  <EffectiveDt>07/11/2007</EffectiveDt>
  <ExpirationDt>07/11/2008</ExpirationDt>
  <PolicyTypedDt>07/10/2007</PolicyTypedDt>
  <TransactionType>New Business</TransactionType>
  <ProdName>Skywire Software</ProdName>
  <ProdInfo>Agency1</ProdInfo>
  <ProdAddr1>2727 Paces Ferry Road</ProdAddr1>
  <ProdAddr2>Atlanta GA. 30339</ProdAddr2>
  <TotalLocations>1</TotalLocations>
  <LocationNum>1</LocationNum>
  <LocationDescription>1408 Say Anything Lane</LocationDescription>
  <LocationCity>Chicago</LocationCity>
  <LocationState>IL</LocationState>
  <LocationZip>43654</LocationZip>
  <LocationCounty>Actor County</LocationCounty>
  <Construction>Frame</Construction>
  <ConstructionYear>1998</ConstructionYear>
  <ProtectionClassCd>2</ProtectionClassCd>
  <DwellingLmt>600,000</DwellingLmt>
  <StructuresLmt/>
  <PersonalPropLmt>250,000</PersonalPropLmt>
  <PremisesLiabLmt/>
  <AOPDed>N/A</AOPDed>
  <WindHailDed>N/A</WindHailDed>
  <CoinsuranceApplicable>N/A</CoinsuranceApplicable>
  <DwellingPrem> 6,000</DwellingPrem>

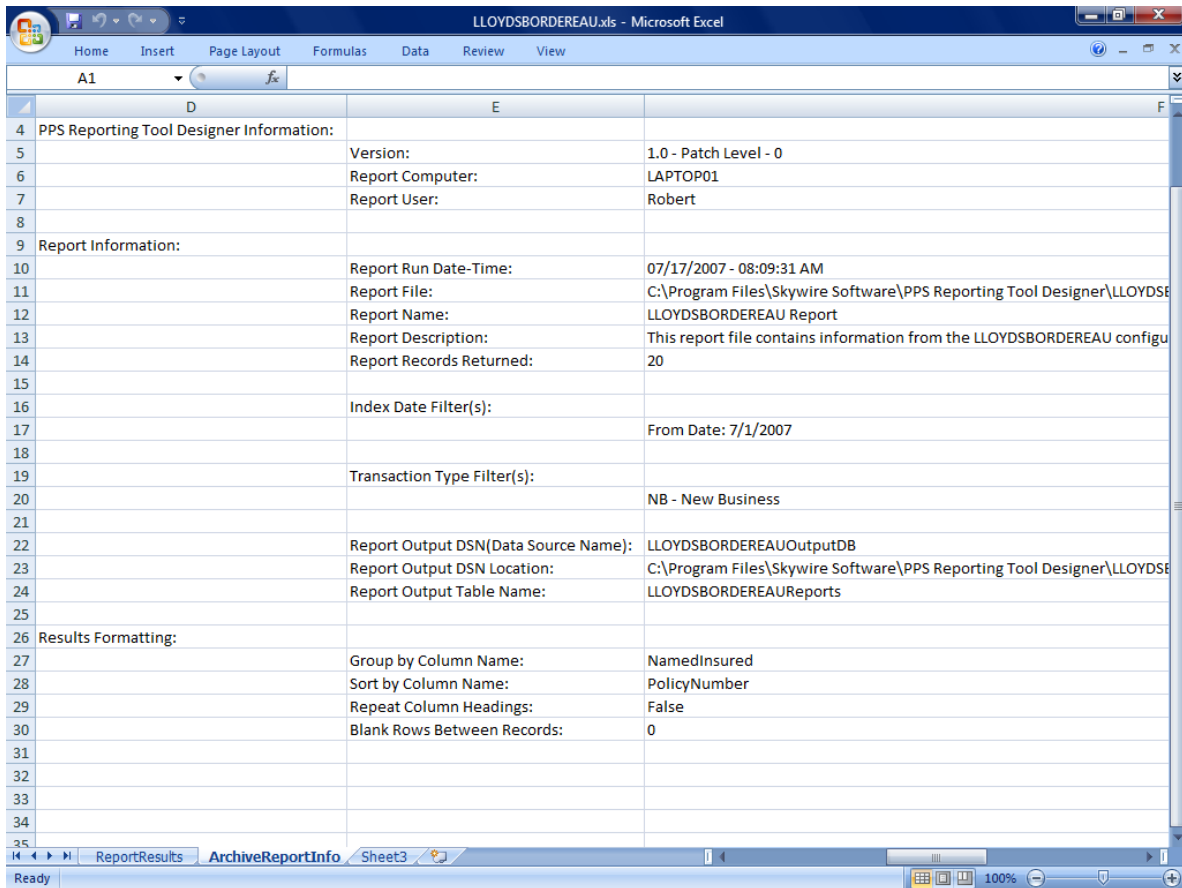
```

EXAMPLE EXCEL FILE

This topic provides an example ReportResults sheet and an example Documentation sheet. The actual report results reside in the ReportResults sheet, as shown in this example:

	A	B	C	D	E	F	G	H	I	J
	NamedInsured	PolicyNumber	EffectiveDt	ExpirationDt	PolicyTypedDt	TransactionType	ProdName	ProdInfo	ProdAddr1	ProdCode
2	Angelina Jolie	100005	8/1/2007	8/1/2008	7/11/2007	New Business	Skywire Software	Agency1	2727 Paces Ferry Road	Atlar
3	Ashley Judd	100018	7/19/2007	7/19/2008	7/11/2007	New Business	Skywire Software	Agency1	2727 Paces Ferry Road	Atlar
4	Cameron Diaz	100015	6/17/2007	7/17/2008	7/11/2007	New Business	Skywire Software	Agency2	2401 Internet BLVD.	Frisco
5	Carrie Fisher	100016	7/1/2007	7/1/2008	7/11/2007	New Business	Skywire Software	Agency2	2401 Internet BLVD.	Frisco
6	Demi Moore	100017	8/1/2007	8/1/2008	7/11/2007	New Business	Skywire Software	Agency2	2401 Internet BLVD.	Frisco
7	Dustin Hoffman	100013	7/1/2007	7/1/2008	7/11/2007	New Business	Skywire Software	Agency1	2727 Paces Ferry Road	Atlar
8	Ed Harris	100014	7/1/2007	7/1/2008	7/11/2007	New Business	Skywire Software	Agency2	2401 Internet BLVD.	Frisco
9	George Clooney	100004	8/17/2007	8/17/2008	7/11/2007	New Business	Skywire Software	Agency1	2727 Paces Ferry Road	Atlar
10	Jeremy Piven	100001	7/15/2007	7/15/2008	7/10/2007	New Business	Skywire Software	Agency1	2727 Paces Ferry Road	Atlar
11	Jessica Alba	100006	7/15/2007	7/15/2008	7/11/2007	New Business	Skywire Software	Agency2	2401 Internet BLVD.	Frisco
12	John Cusack	100000	7/11/2007	7/11/2008	7/10/2007	New Business	Skywire Software	Agency1	2727 Paces Ferry Road	Atlar
13	Julia Roberts	100009	7/18/2007	7/18/2008	7/11/2007	New Business	Skywire Software	Agency2	2401 Internet BLVD.	Frisco
14	Kirsten Dunst	100010	7/11/2007	7/11/2008	7/11/2007	New Business	Skywire Software	Agency2	2401 Internet BLVD.	Frisco
15	Matt Damon	100002	7/25/2007	7/25/2008	7/10/2007	New Business	Skywire Software	Agency1	2727 Paces Ferry Road	Atlar
16	Morgan Freeman	100007	7/11/2007	7/11/2008	7/11/2007	New Business	Skywire Software	Agency2	2401 Internet BLVD.	Frisco
17	Sandra Bullock	100019	6/25/2007	6/25/2008	7/11/2007	New Business	Skywire Software	Agency1	2727 Paces Ferry Road	Atlar
18	Steve Carell	100003	7/15/2007	7/15/2008	7/11/2007	New Business	Skywire Software	Agency1	2727 Paces Ferry Road	Atlar
19	Tom Hanks	100012	8/5/2007	8/5/2008	7/11/2007	New Business	Skywire Software	Agency1	2727 Paces Ferry Road	Atlar
20	Tom Welling	100008	7/15/2007	7/15/2008	7/11/2007	New Business	Skywire Software	Agency1	2727 Paces Ferry Road	Atlar
21	Will Smith	100011	7/11/2007	7/11/2008	7/11/2007	New Business	Skywire Software	Agency1	2727 Paces Ferry Road	Atlar
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

The ArchiveReportInfo sheet contains very specific information which helps define the report, index, transaction type filters, output records information, and formatting settings specific to this Excel report.

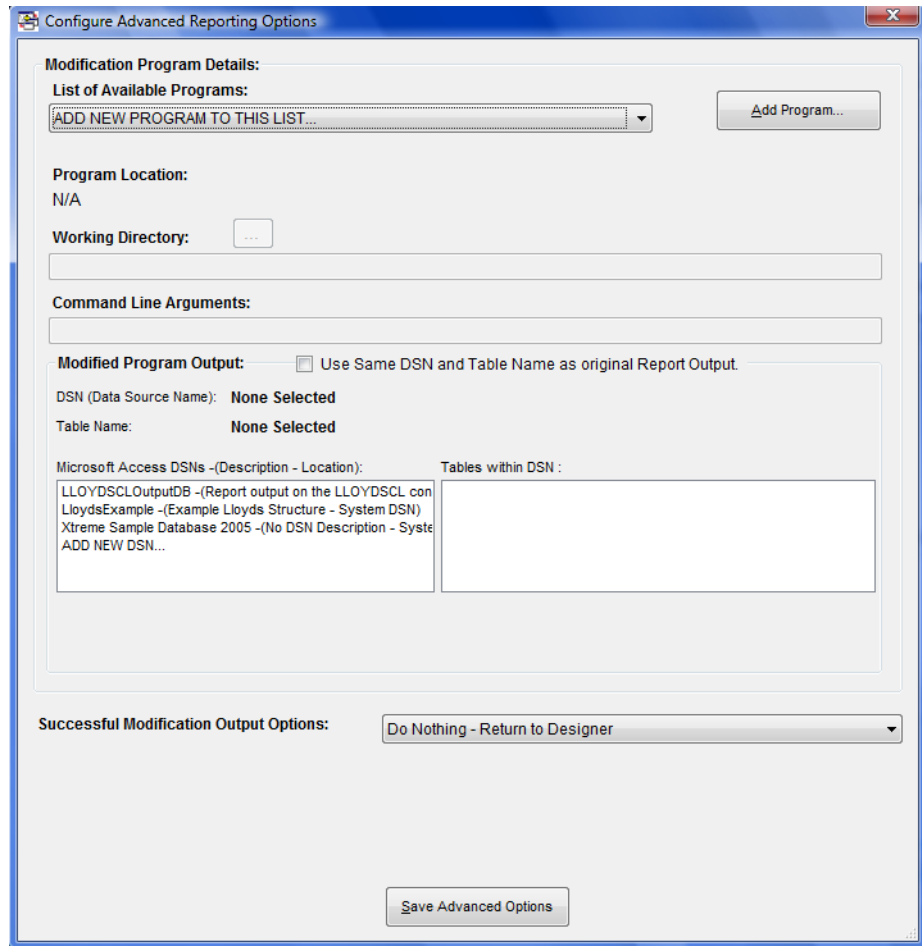


USING ADVANCED REPORTING OPTIONS

This topic describes how to use the advanced reporting options of the Reporting Tool. This process lets you set up an application or batch program that executes after the Reporting Tool writes the report results to the selected output DSN and table. This lets you manipulate the content of the table before the reporting process starts. See the following screens for an example of this process and descriptions of the available options.

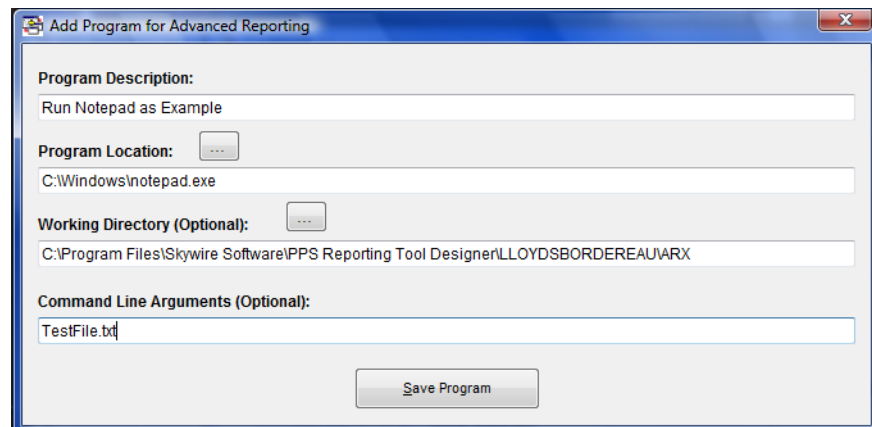
NOTE: In this example, there is no modification done to the output table, but it shows how to use these features.

The following screen is shown when you select Use Advanced Reporting Options from the Successful Report Output Options section on the Report Information tab and click on the Configure Advanced Options button. For more information, see [Setting Report Options on page 93](#).



The List of Available Programs selection contains all of the programs that have been added through the PPS Reporting Tool Designer on this computer. The following example screens assume this is the first time a program has been added.

Click on Add Program to display the following screen.

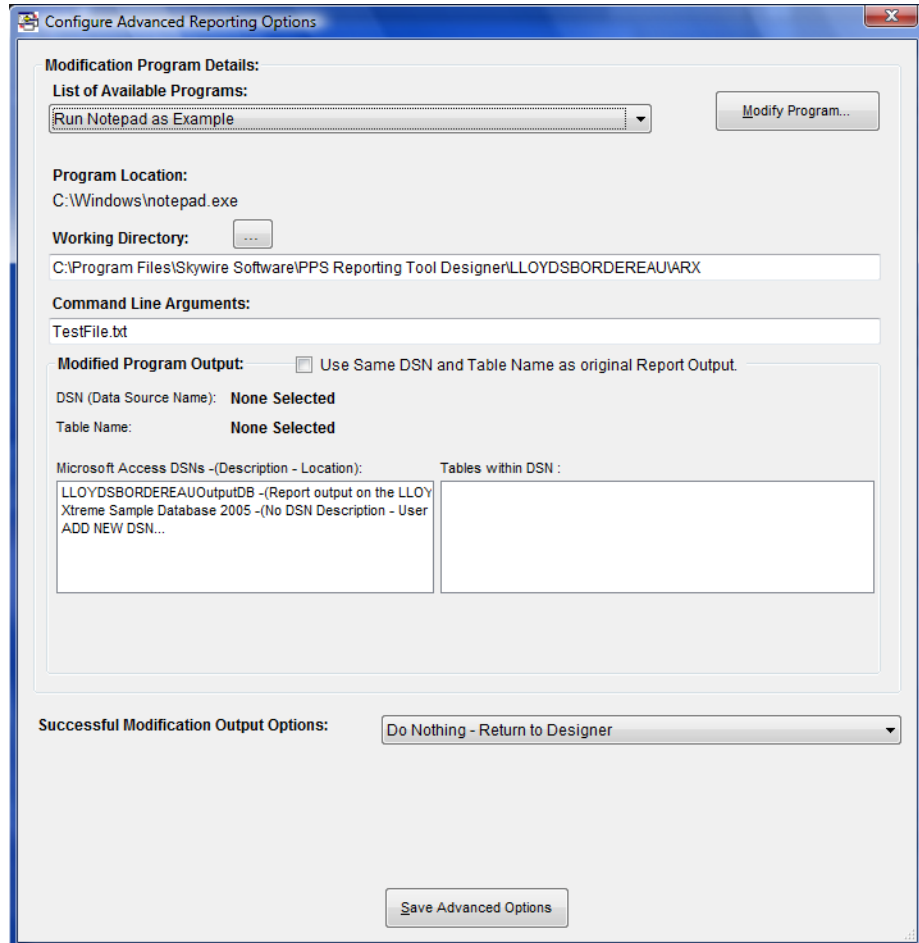


Item	Description
Program Description	A unique text description that must be entered to define this program.
Program Location	The actual name and location of the program that is to be called. Clicking on the button to the right will open a selection dialog.
Working Directory	(optional) Where you want the PPS Reporting Tool to assign a working directory for the external application. Clicking on the button to the right will open a selection dialog.
Command Line Arguments	Allows for any command line options that can be sent to the program.

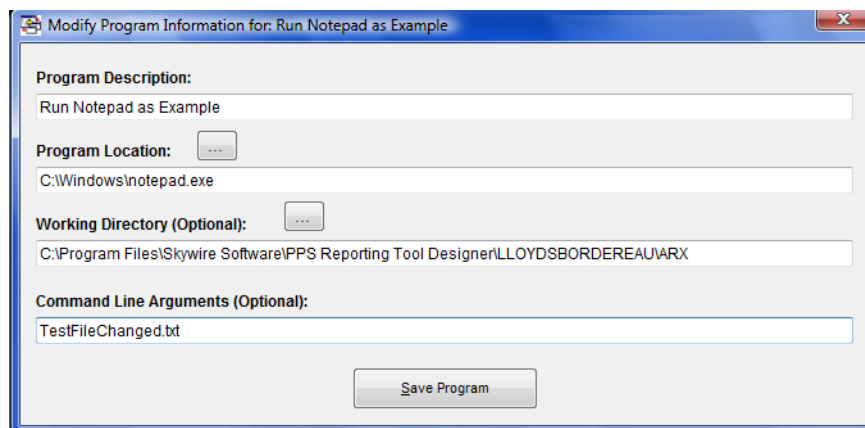
NOTE: The PPS Reporting Tool does no verification on the command line options you enter. Please check the documentation for your application to make sure they are correct.

Clicking Save Program adds the program to the computer for selection within the Reporting Tool. Clicking the X in the top right corner closes this form with no changes.

The above example is adding the Notepad.exe program with the command line option of testfile.txt and sets the working directory as well. See the following screen to see this program added as above.

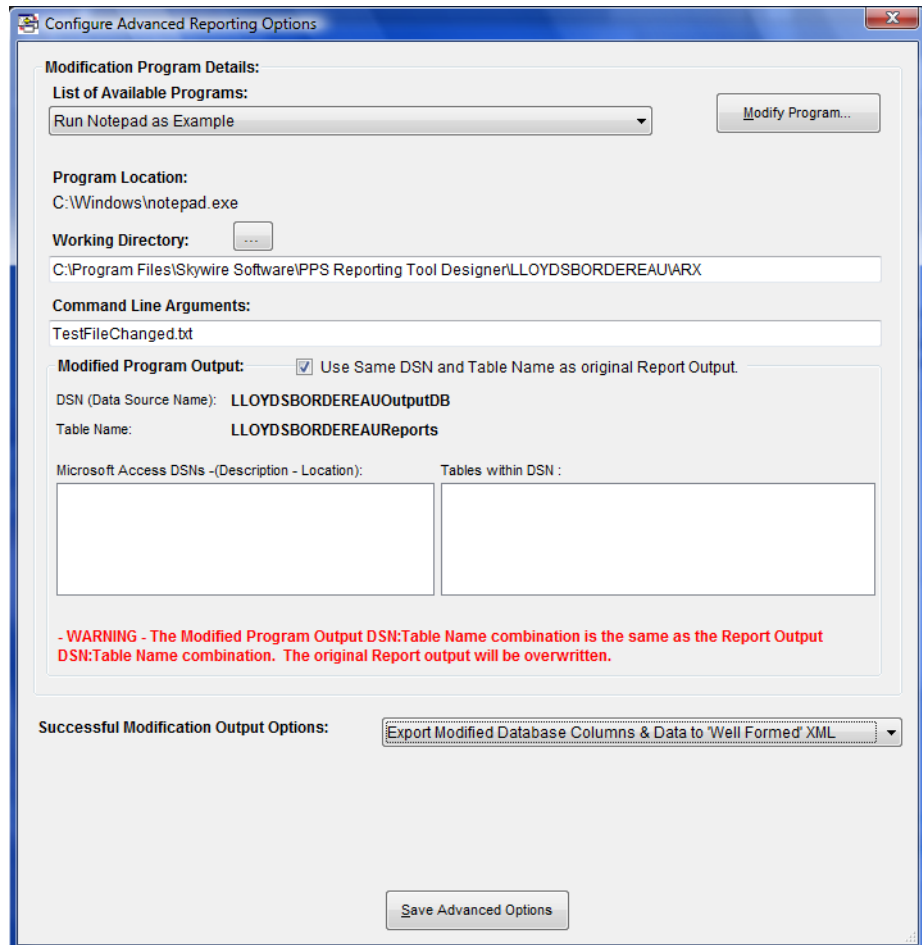


Notice that the Add Program button has been changed to Modify Program. The List of Available Programs still contains the option to Add New Program to This List. When this is selected, the name of the button changes back to Add Program. Click Modify Program and the following screen appears.



Notice that the Command Line Arguments value has been changed. Click Save Program to save any changes made to a program or click X in the top right corner to exit with no changes.

The following screen shows this change.



Modified Program Output – allows the selection of a new DSN and table to generate the report from, or to use the same output DSN and table combination as the original results were written to. Click the, Use Same DSN and Table Name as original Report Output checkbox to automatically select the same database and table as the original report. You can also use the two list boxes to select the DSN and table name.

NOTE: A warning message appears if the modified program output is the same as the original report output. The PPS Reporting Tool Designer does not know what modifications will be done to the data from the selected external application.

Successful Modification Output Options – allows the same options that the Report Options Form allows. See [Using the Report Options Form on page 94](#) for more information.

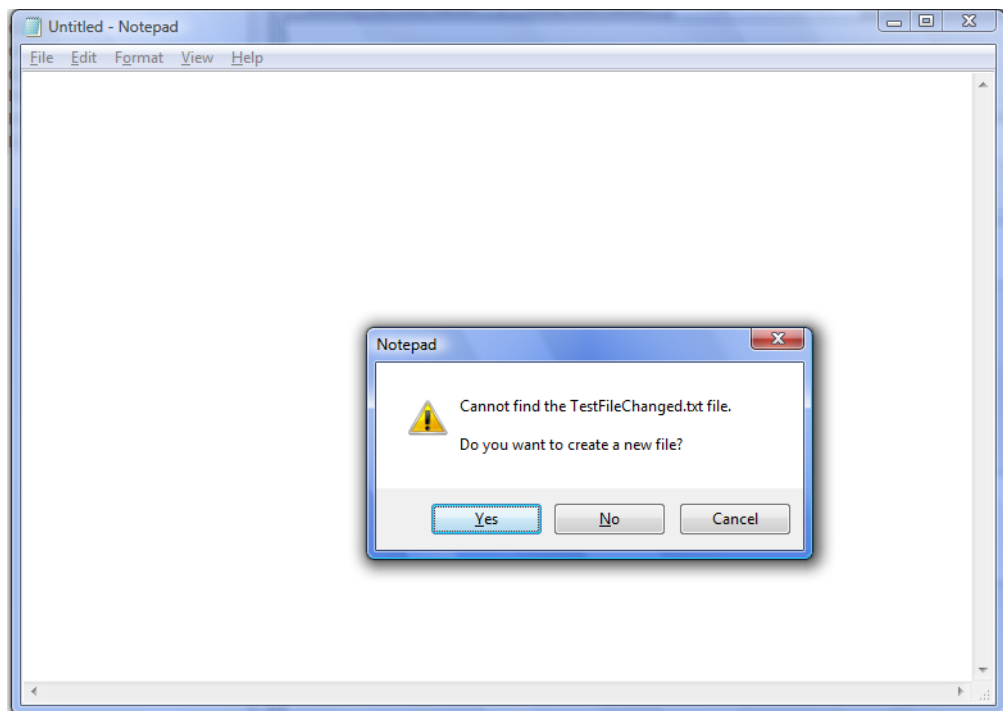
The above screen is set to export the selected modified program output to XML.

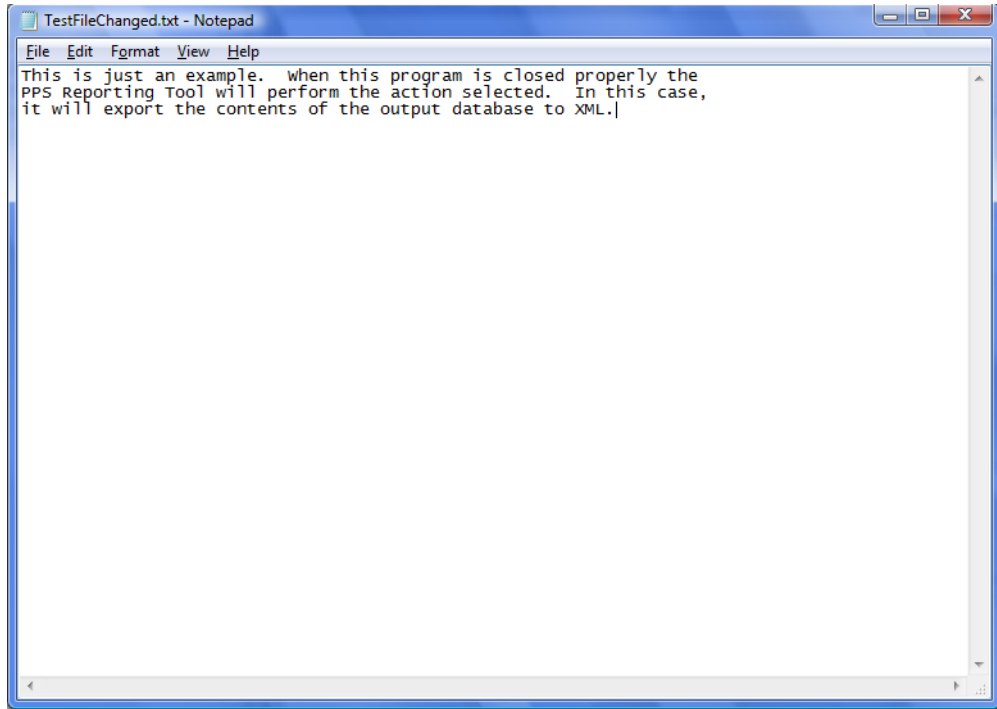
When all of the required options have been set on this form, click Save Advanced Options to save these changes or click X to cancel any changes made on this form.

NOTE: Any programs that have been added or modified will keep their settings even if you decide not to save advanced options.

The following screens shows all of the options set on the previous screens in action when the report is generated.

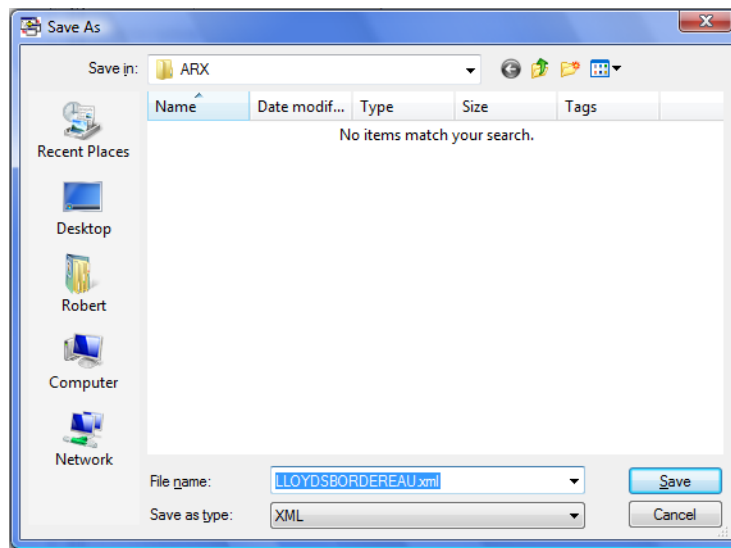
Notice that the Reporting Tool is waiting for Notepad to finish before it performs any further execution. In this example, Notepad could not find the file that was used as a command line option, so it gives the option to create it. Some text has been entered in the text file and then Notepad is closed.





Once you close Notepad, the following screen shows that the XML export is started and is awaiting a file selection to save the XML file.

NOTE: If the program you select to run after the original report is generated fails to complete successfully, the PPS Reporting Tool Designer will capture any error returned but will not be able to complete the advanced options.



The following is an example of the XML contents. It now contains the Report Records Returned as well as the Modified Report Records Returned. It also contains the location of both of the output databases and tables. In this case, the database and table combination is the same and there were no changes made via Notepad.

```
<!--

PPS Reporting Tool Designer Information:
  Version: 1.0 - Patch Level - 0
  Report Computer: LAPTOP01
  Report User: Robert

Report Information:
  Report Run Date-Time: 07/19/2007 - 07:06:40 AM
  Report File: C:\Program Files\Skywire Software\PPS Reporting Tool Designer\LLOYDSBORDEREAU\ARX\LLOYDSBORDEREAU.i
  Report Name: LLOYDSBORDEREAU Report
  Report Description: This report file contains information from the LLOYDSBORDEREAU configuration. The creation
  Report Records Returned: 20
  Modified Report Records Returned: 20

Transaction Type Filter(s):
  NB - New Business
  EN - Endorsement
  RN - Renewal
  QU - Quote

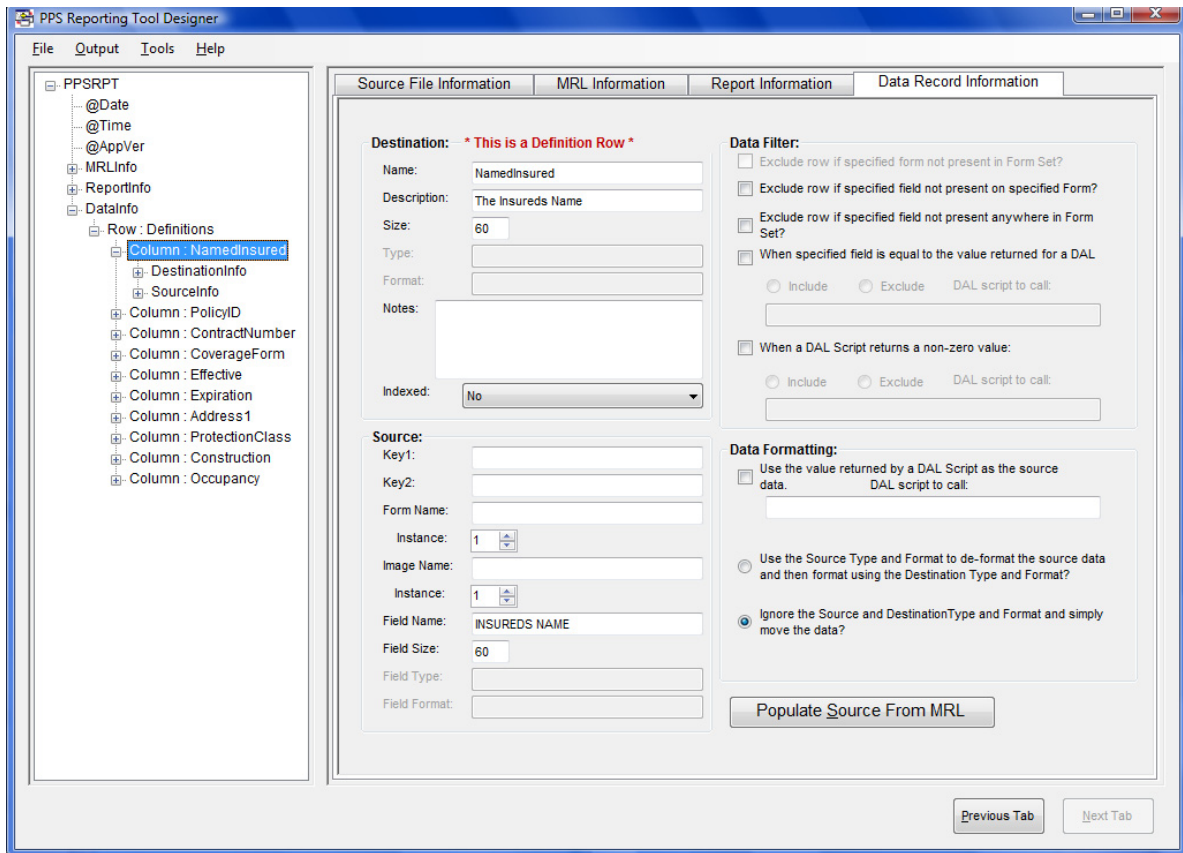
Report Output DSN(Data Source Name): LLOYDSBORDEREAUOutputDB
Report Output DSN Location: C:\Program Files\Skywire Software\PPS Reporting Tool Designer\LLOYDSBORDEREAU\RPT\LI
Report Output Table Name: LLOYDSBORDEREAUReports

Modified Output DSN(Data Source Name): LLOYDSBORDEREAUOutputDB
Modified Report Output DSN Location: C:\Program Files\Skywire Software\PPS Reporting Tool Designer\LLOYDSBORDEREAU\RPT\LI
Modified Report Output Table Name: LLOYDSBORDEREAUReports

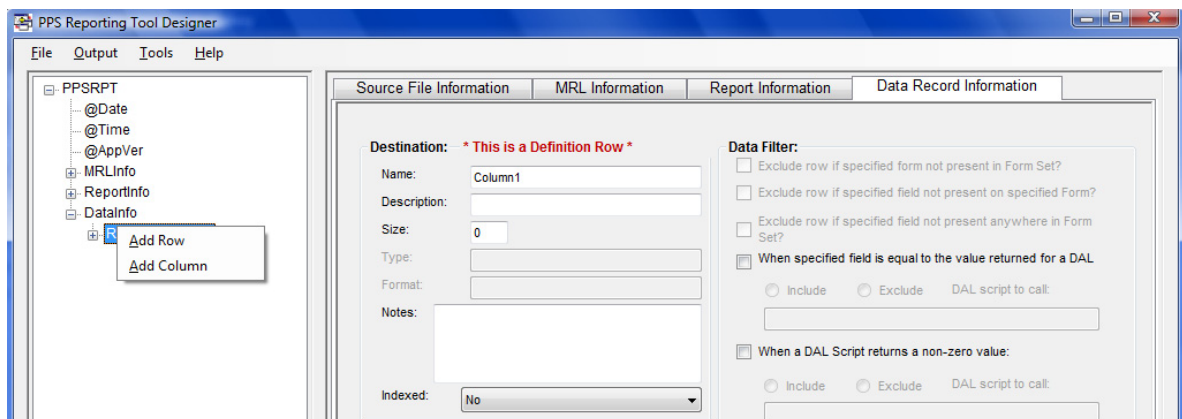
-->
```

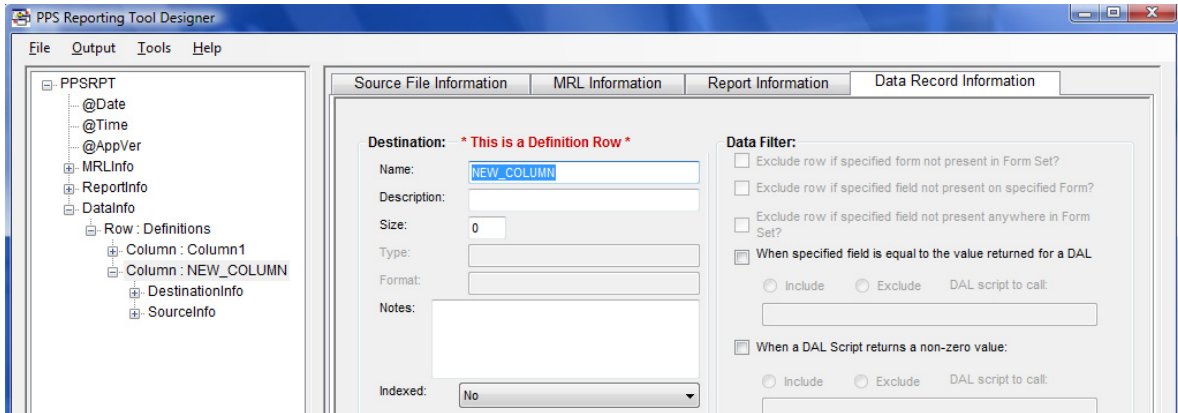
DEFINING YOUR OUTPUT RECORD LAYOUT

As previously noted, the output of the information returned by the Reporting Tool is stored in a database and table. The output record layout created within the Reporting Tool Designer actually defines the output table structure. This layout can consist of any number of rows and columns. The record layout in the following example has one row with ten columns. This data record layout is repeated for every transaction that matches your search criteria.

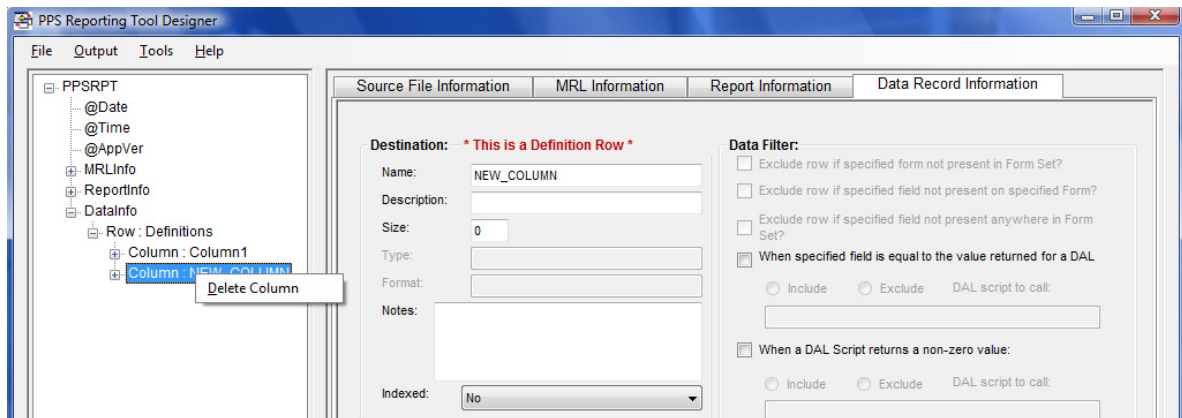


Adding and Deleting Columns – You can only add columns, delete columns, and define the column names (also called destinations) on the first row. To add a column, right click on the first row’s node and a menu appears. Click Add Column to add your new column to the bottom of every row. See the following screens for a reference.

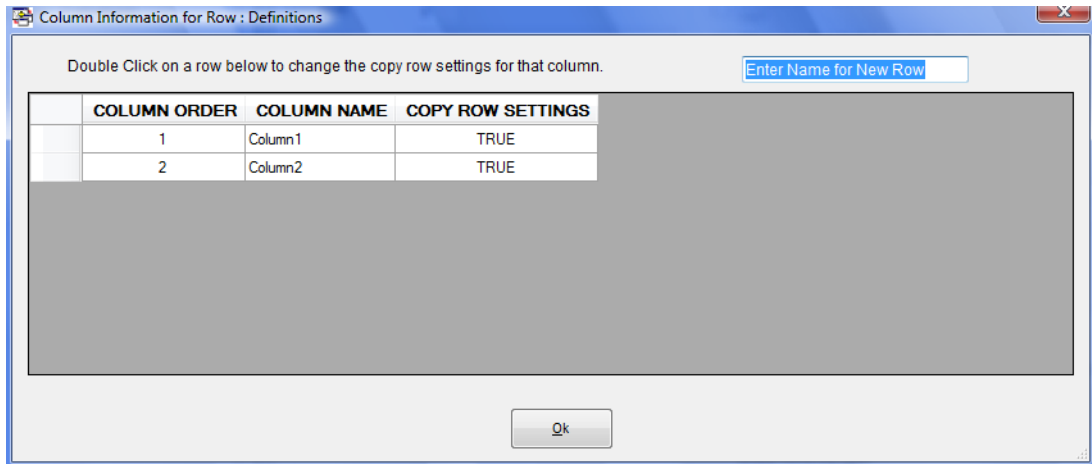




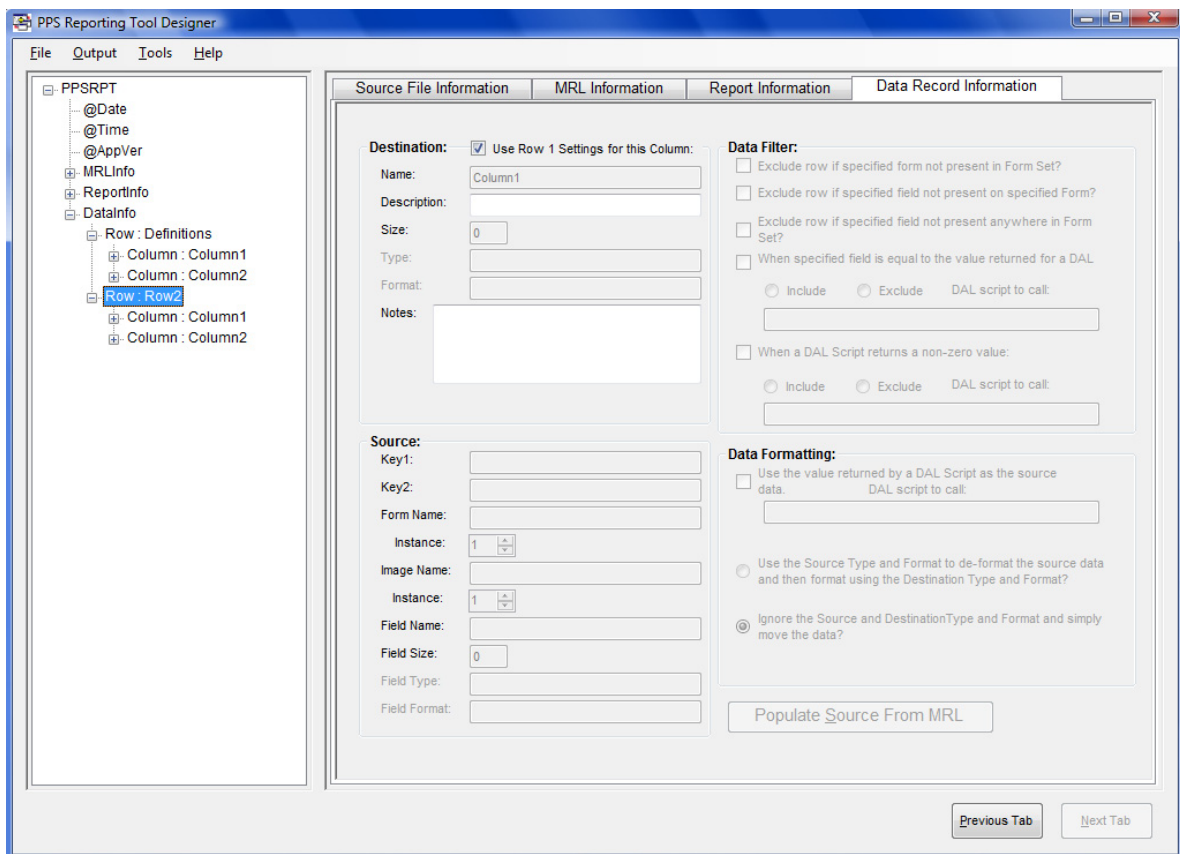
To delete a column, right click in the first row of the column you want to delete and click Delete Column. See the following screen for a reference.



Adding and Deleting Rows – You can only add rows from the first row. To add a row, right click on the first row’s node and a menu appears. Choose Add Row and the Add Row screen appears. See the following screen for a reference. This screen lets you set the column’s source and data filter information so the new row can use the same column information from the first row. Type a name for the new row, change any desired copy row settings, then click Ok to add the new row. Click the X in the top right corner to cancel.

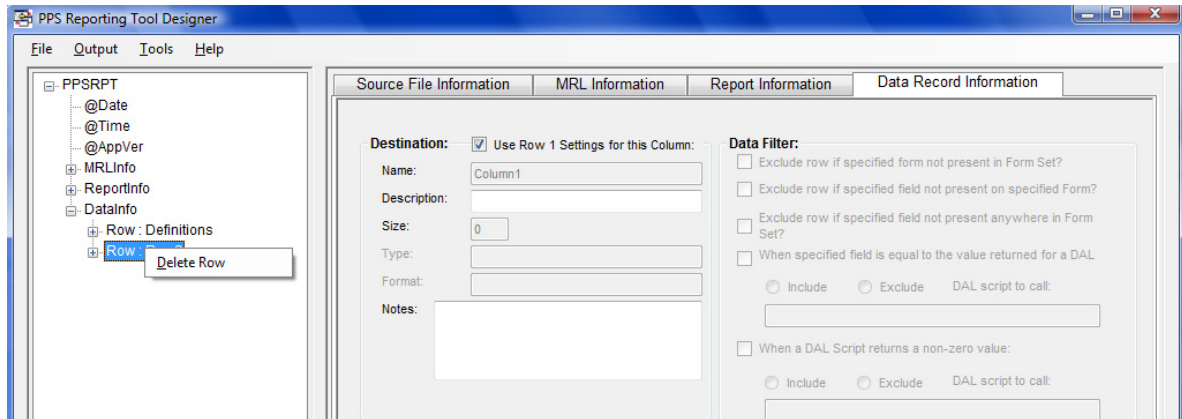


In the following example, there are now two rows and two columns in the data record layout for this report file.



You can delete a row by right clicking on the row name and selecting Delete Row. See the following screen for a reference.

NOTE: You cannot delete the first row.



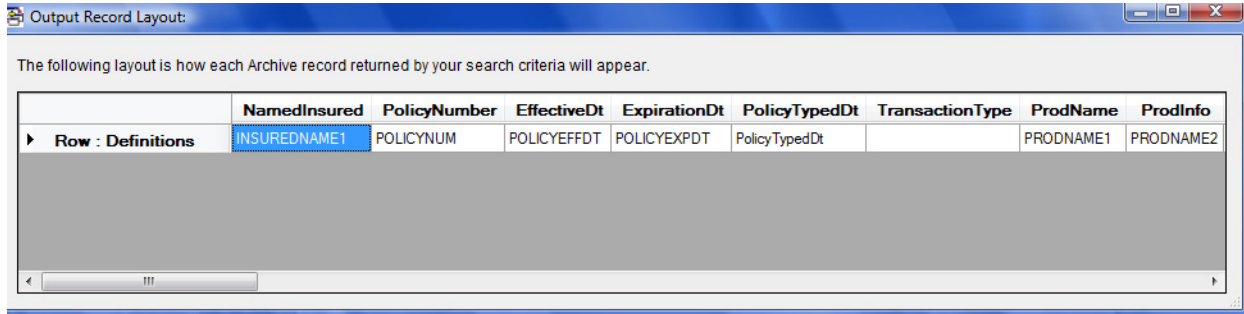
GENERATING A REPORT

You can start a report several ways:

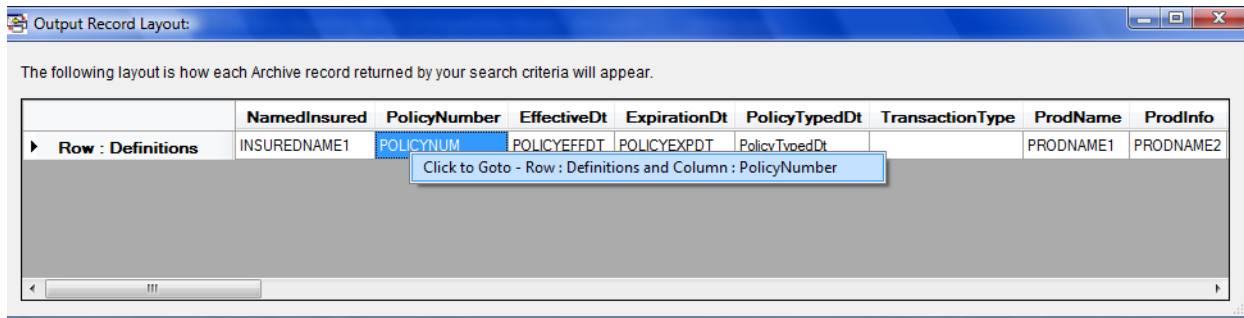
- By selecting the Output, Generate Archive Report option.
- By pressing F5.
- By clicking on the Generate Archive Report button from the Report Information tab.
- By using the command line options. See [Start-Up Options on page 74](#) for more information.

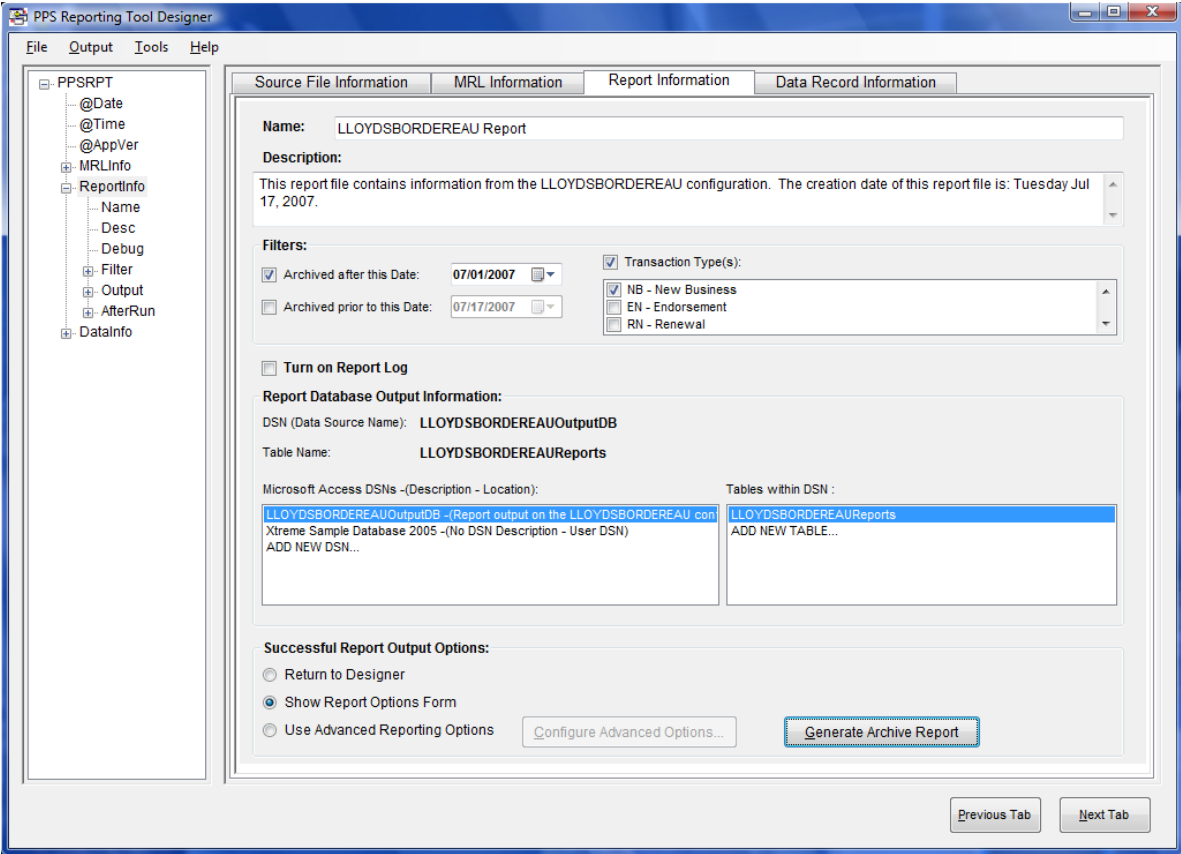
VIEWING THE CURRENT RECORD LAYOUT

To see what your output record layout will look like, use the Output, Report Record Layout option. The layout you see may not match the database table in the selected DSN if changes have been made to the report file. Changes to a selected table are not committed until you generate the report.



While on the Output Record Layout form, if you right click on any field name within a column the Reporting Tool lets you go directly to that column. The Output Record Layout form closes to let you perform this action.





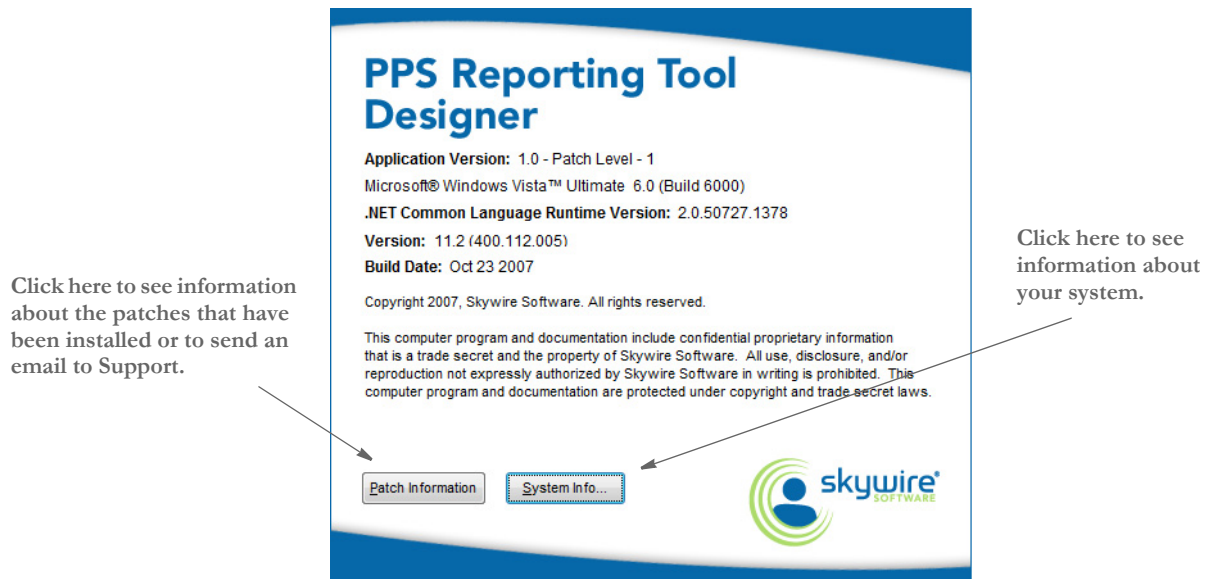
USING THE HELP SYSTEM

The Help, About option shows you the PPS Reporting Tool version plus the name and version of Microsoft Windows and the Microsoft .NET Framework CLR (Common Language Runtime) version the Reporting Tool is running against.

NOTE: If you have the .NET 3.0 Framework (previously known as WinFX) installed, the application will still be running against the .NET 2.0 Framework.

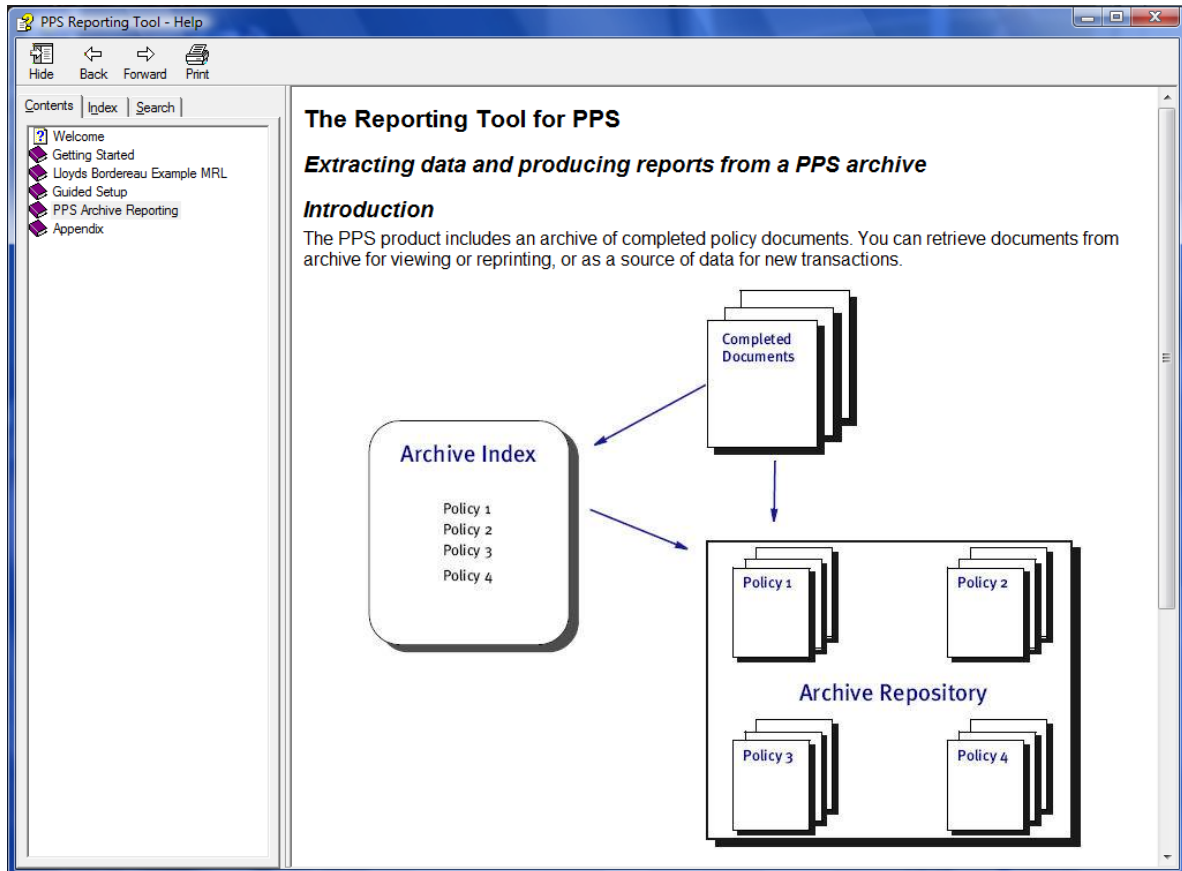
Also, the Version and Build Date fields contain specific information about the library referenced by the Reporting Tool. This can be different than the version installed with your PPS environment.

Here is an example of the About window:



ADDITIONAL HELP MENU RESOURCES

Help, Contents (F1) – Use this option to load the help system at the welcome screen with full table of contents and search capabilities. The help system allows for many different ways to find help on a specific topic. The left side defaults to the Contents tab which allows for a hierarchal view of specific areas within the Reporting Tool. Here is an example of this help system:



You can also use these tabs to find the information you need:

- Index tab
- Search tab

The Index tab lets you type the first few letters of what you are looking for and you will be shown any topics that match the characters typed in.

The Search tab lets you type in a word or phrase (within quotes) and it will look through the entire help system and return any topics that have the word or phrase searched for.

To view any of the index or search results topics, simply double-click on the topic name within the list returned. At any time during your help session, you can go to your last topic or next topic by pressing the Back or Forward buttons.

The Reporting Tool includes context sensitive help. With this type of help, you can press **F1** and the system shows you help related to what you are trying to do. The full table of contents, index, and search ability are also available.

Using Help – This option shows you all of the help options.

View Tutorial for Bordereau Example MRL – This option guides you through a tutorial for setting up the Bordereau Example MRL within the PPS Reporting Tool.

Help, Oracle on the Web – This option lets you go to the main Oracle web site (requires Internet access.)

Help, Support ... – This option takes you to the Support login web site (requires Internet access.)

CURRENT TASK INFORMATION AND HELPFUL TIPS

In addition to the help features mentioned above, there is an information area at the bottom of the Reporting Tool that shows helpful tips on how to enable specific features if they are currently turned off. This information area also tells you what task is currently being performed with a status bar to show the current task progress.

Appendices

The follow appendices provide additional information:

- [Appendix A: System Files on page 118](#)
- [Appendix B: Using the FDT2DB Utility on page 121](#)
- [Appendix C: Data Types and Formats on page 127](#)
- [Appendix D: Guided Setup System File Selection on page 130](#)
- [Appendix E: DAL Definition on page 132](#)

APPENDIX A: SYSTEM FILES

This appendix provides a description of the following system files:

- ARX report files
- FSIUSER.INI file
- FORM.DAT file

ARX report files

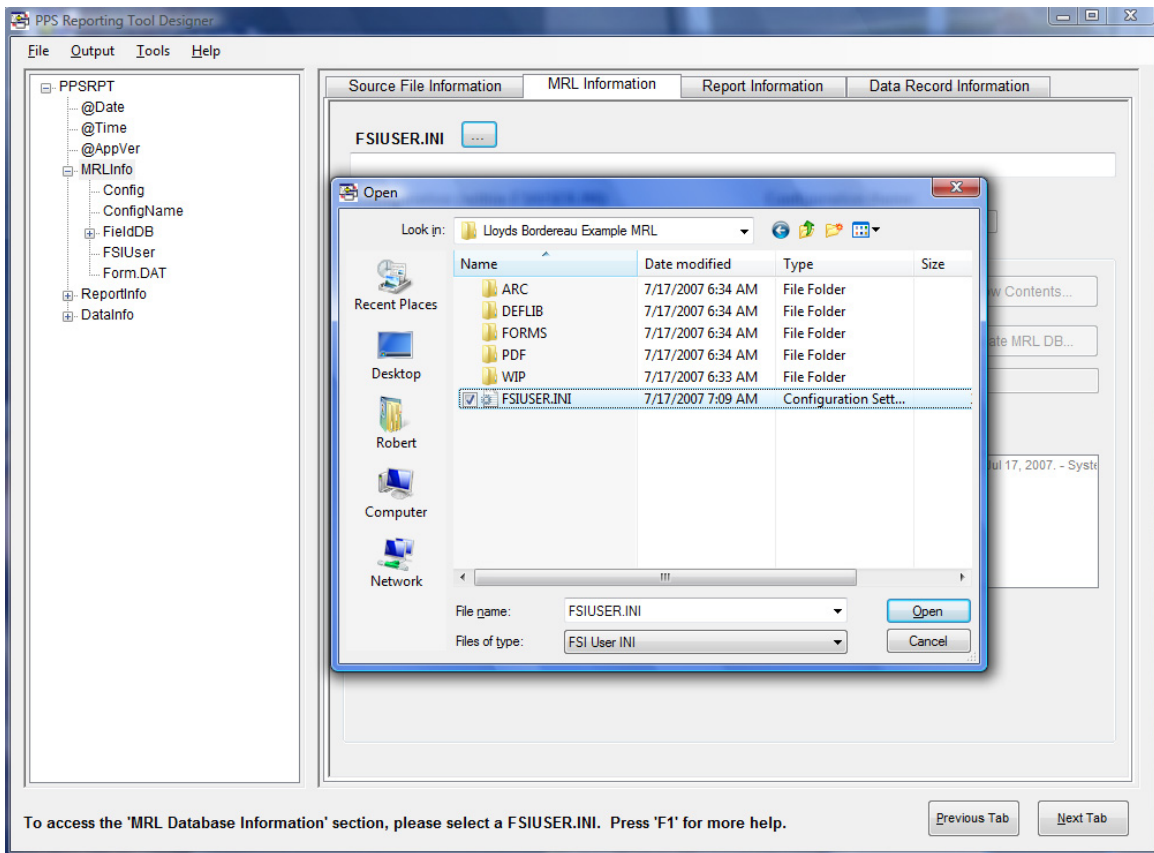
An .ARX file defines how to mine data from a PPS archive and write records into a Microsoft Access database table. The file specifies index filtering rules, database table design, the source of the data in the columns of each row of data, options for successful reports and much more. The structure of the ARX files is defined within the PPS Reporting Tool schema. The ARX files and the PPS Reporting Tool schema are well-formed XML documents that conform to the World Wide Web Consortium (W3C) standards for XML and XML schemas version 1.0.

FSIUSER.INI file

The FSIUSER.INI file is one of the configuration files used by your PPS environment. It is also required for many of the Reporting Tool's features. The following explains how to select the FSIUSER.INI file for the MRL that you would like to do reports on. Please note that if any changes are required to run any of the Reporting Tool's features, the Reporting Tool makes a backup copy of your file to make sure all of your previous settings are saved.

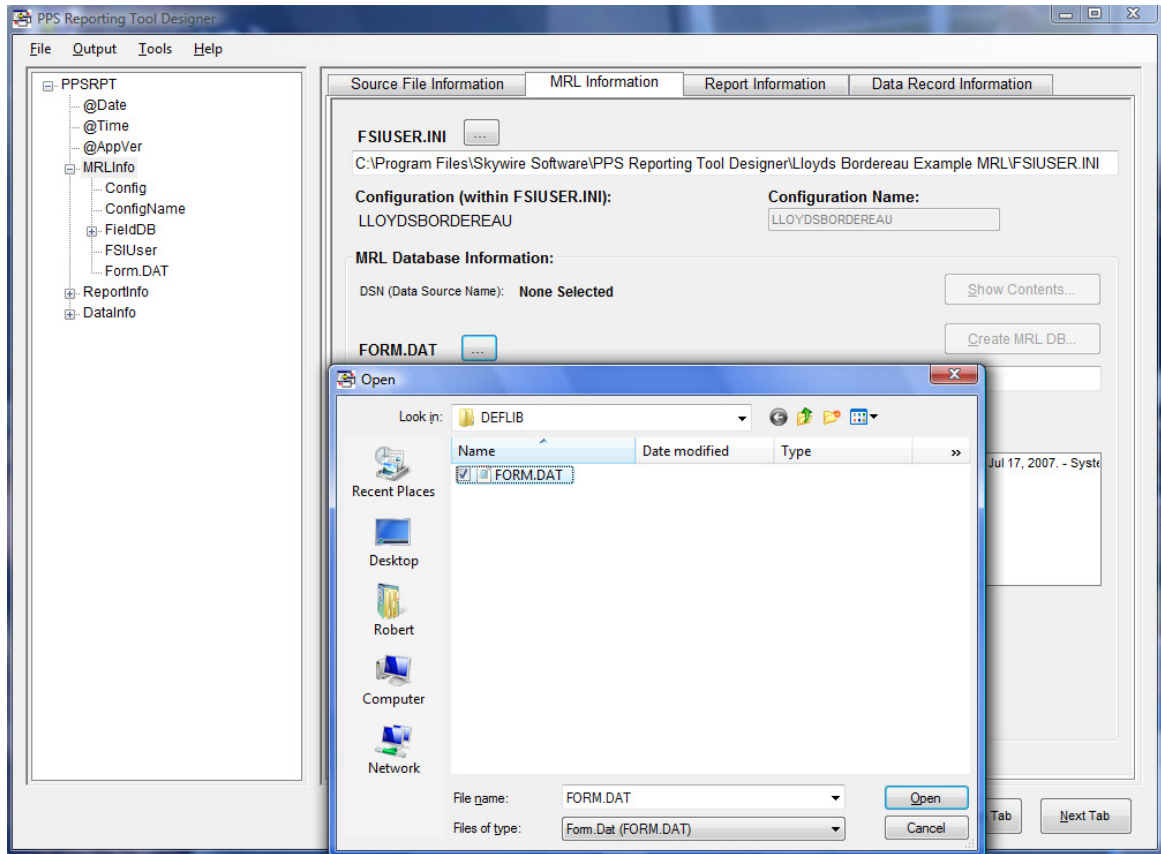
These instructions are for loading the FSIUSER.INI file from within the Reporting Tool only. To select an FSIUSER.INI file, click on the MRL Information tab and click the button next to the FSIUSER.INI caption to open a Browse window and search your machine. When you find the file you want, click Open and the path of your selected file is filled in for you. The configuration within the FSIUSER.INI file is also filled in for you.

NOTE: If you have more than one MRL configuration specified in your INI file, you must select the one you want from the list.



FORM.DAT file The FORM.DAT file is a collection of all of the FAP files within a specific MRL. It is required for creating an MRL database, but is not required for PPS archive reporting. The following explains how to select a FORM.DAT file. See [Creating an MRL Database on page 89](#) for more information.

These instructions are for loading the FORM.DAT from within the Reporting Tool only. Click on the MRL Information tab and click the button next to the FORM.DAT caption to open a browse window and search your machine. See the following screen for a reference. When you find the file you want, click Open and the path of your selected file is filled in for you.



APPENDIX B: USING THE FDT2DB UTILITY

Use this utility to create a cross-referenced database of your master resource library (MRL) forms, sections (FAP files), and fields. You can use the resulting database to query this information from within any appropriate database tool. For instance, you can use this information to:

- Build basic reports, such as a field usage report
- Design import/export files for interfacing to other systems
- Create files for use with Transall

The utility uses the FORM.DAT file to extract resource information into a database file, with tables for the library, form group keys, global recipients, form groups, forms, sections, linked recipients, and fields.

NOTE: Rules are not converted.

The utility reads the entire MRL, but if the resource is not listed in the FORM.DAT file, the utility does not include it. You can run this utility multiple times.

Program name FDT2DB.EXE

Syntax FDT2DB /? /Purge /INI /I

You can use these parameters:

Parameter	Description
/?	(Optional) Prints to the console all parameters and defaults. No processing occurs when you include this parameter.
/Purge	(Optional) Tells the utility to delete the data in the database tables.
/INI	(Optional) Tells the utility which INI file to use. The information in the INI file tells the utility where to find the master resource library (MRL). The default is the FSIUSER.INI file.
/I	(Optional) The name of the input FORM.DAT file. The default is the FORM.DAT file. If you omit the extension, the system defaults to DAT . If you omit the extension, be sure to include the period at the end of the file name.

Be sure to include these INI options to specify the database:

```
< DBHandler:XXXX >
  Class =
  Server =
< FDT2DB >
  DBHandler = XXXX
```

Option	Description
Class	(Optional) The default is ODBC.
Server	Enter the ODBC data source name (DSN).
DBHandler	Enter a unique name for a DBHandler control group. You can have multiple DBHANDLER:XXXX control groups, but the FDT2DB control group can only point to one of these groups.

You cannot run this utility without the DBHandler option. The DBHandler:XXXX control group defines the ODBC available to the system.

The Server option is referenced by the DBHandler option. The utility searches for the DBHandlers:XXXX (XXXX being the selected ODBC) for Server option.

If you omit these options and choose to use a blank database, the utility uses the default table DFD files.

CREATING A DATABASE

You can create an ODBC database and use Windows' Control Panel to open the ODBC application and add a new database connection by following these steps:

NOTE: To use the new database, remember to set up the Server option in the INI file. Also remember to set up the DBHandler:XXXX and FDT2DB control groups to reference the new DSN in the INI file.

- 1 Open the Windows Control Panel. Choose Administrative Tools and then double-click the Data Sources (ODBC) icon. The ODBC Data Source Administrator window appears.
- 2 Select either the User DSN or System DSN page, and then click the Add button. The next page that appears probably has the Microsoft Access Driver (*.mdb) selected. If not, select it. Click Finish.

NOTE: The user data source is only visible to the current logged in user and can only be used on the current machine. The system DSN data source is visible to all users on this machine, including NT Services.

- 3 On the next window, enter a name for your database in the Data Source Name field. Then click Create.
- 4 On the File window move to the directory where you want the database created. Enter the database file name. This does not have to be the same name as the Data Source Name. When you finish, click Ok. You should now see the database name above the buttons in the Data Source Name window. Click Ok again.
- 5 Now you see the list of databases window again and your new database should appear in the list. Click Ok to close that window.

- 6 Make sure your INI files and the FORM.DAT file is in same the directory as the FDT2DB utility or that you have used the parameters to correctly specify the locations of these files. Then run the utility. When it finishes, you should be able to open the database using Access to see that it is populated.

USING AN EXISTING DATABASE

If you use an existing database, make sure the tables are in the following formats:

Library table

Key	Type	Description
LibraryName	Text (32)	Short name to identify a library set. This relates a name to a path where the rest of the tables reside.
LibraryDescription	Text (50)	
LibraryPath	Text (255)	MRL library path

FormGroupKeys table

Key	Type	Description
KeyType	Text (4)	For example, 001 = key 1 (such as Company), 002 = key 2 (such as Line of business).
KeyName	Text (31)	Key name used in the FormGroups table.

GlobalRecipients table

Key	Type	Description
RecipName	Text (30)	Short recipient name.
RecipDescription	Text (50)	Longer description.
RecipCode	Text (20)	Used in some print sorting.
Recip_ID	Number	Unique ID. Used to link recipients.

FormGroups table

Key	Type	Description
GroupName1	Text (31)	Such as a company. Must be an entry in the FormGroupKeys table where KeyType = 001.
GroupName2	Text (31)	Such as a line of business. Must be an entry in the FormGroupKeys table where KeyType = 002.
GroupName3	Text (31)	Such as a recipient. Not yet supported. When supported, this value must be a name in the GlobalRecipients table.
Group_ID	Number	Unique ID. Used to group forms within the Forms table

Forms table

Key	Type	Description
Group_ID	Number	Key from the FormGroups table
FormName	Text (30)	
FormEffectiveDate	Text (16)	
FormDescription	Text (50)	
FormOptions	Text (20)	
FormRevInfo	Text (20)	Reserved for future use.
Form_ID	Number	Unique ID. Used to group sections (FAP files) in the Images table.

Images table

Key	Type	Description
Form_ID	Number	Key from the Forms table.
FormSequence	Number	The order within the form.
ImageName	Text (30)	The section (FAP file) name.
ImageEffectiveDate	Text (50)	The effective date of the section.
ImageDescription	Text (50)	The section description.
ImageOptions	Text (20)	
ImageRevInfo	Text (20)	Reserved for future use.
Image_ID	Number	Unique ID. Used to group fields in the Fields table.

LinkedRecipients table

Key	Type	Description
RecipScope	Number	Contains 0=section (FAP file), 1=form, 2=group
Referring_ID	Number	Form_ID, or Image_ID, or Group_ID
Recip_ID	Number	The key from the GlobalRecipients table.
RecipCopyCount	Number	

Fields table

Key	Type	Description
FieldScope	Number	(0=section (FAP file), 1=form, 3=form set)
Referring_ID	Number	(0=global, else, Form_ID or Image_ID)
FieldName	Text (32)	
FieldType	Text (20)	
FieldFormat	Text (20)	
FieldLength	Number	

Key	Type	Description
Prompt	Text (80)	
ColorBlue	Number	
ColorGreen	Number	
ColorRed	Number	
ColorOpt	Number	
FontID	Number	
Orientation	Number	
Effects	Number	
EntryType	Text (4)	
DispOnly	Number	
Required	Number	
SendCopyTo	Number	
Dummy	Number	
Scaling	Number	
FmtType	Number	
SpaceType	Number	
Spacing	Number	
TabStop	Number	
Generate	Text (2)	
Mandatory	Number	
HelpFile	Text (100)	
HelpName	Text (20)	
TableName	Text (40)	
TableRTN	Text (3)	
Nonblank	Text (64)	
BlankGoTo	Text (64)	
GroupDesc	Text (40)	
PreModule	Text (32)	
PreProc	Text (32)	
PreData	Text (40)	
PostMod	Text (32)	
PostProc	Text (32)	

Key	Type	Description
PostData	Text (40)	
CalcType	Number	
Calc	Text (251)	
EndChar	Number	
MultiData	Number	
ReplChar	Number	
HelpType	Number	
TableFile	Text (100)	
GroupInd	Number	
TableType	Number	
Del	Number	

NOTE: The Number type is a long integer. You can enter values from -2,147,483,648 to 2,147,483,647 except for Del, where the type is a byte with a value from zero (0) to 255.

APPENDIX C: DATA TYPES AND FORMATS

The Reporting Tool uses several data types and data formats to help define your source and destination information. These tables show the data types and corresponding formats that are available.

Data Type	Description
Alphabetic	Accepts only alphabetic characters (case sensitive)
Uppercase Alphabetic	Accepts only alphabetic characters and displays uppercase
*Bar code	Accepts characters according to a bar code format string
*Custom	A custom formatted string
Date	Accepts date information according to a date format string
International Alphabetic	Accepts all alphabetic characters, including international characters, and is case sensitive
International Uppercase Alphabetic	Accepts all alphabetic characters, including international characters, and converts to uppercase
International Alphanumeric	Accepts all characters, including international characters, and is case sensitive
International Uppercase Alphanumeric	Accepts all characters, including international characters, and displays uppercase
X or space	Accepts an X or a space (used for a checkbox)
*Multi-line text	No format
Numeric	Accepts numbers and uses a numeric format string
*Table only	Accepts only information selected from a table
Time	Accepts only time
Alphanumeric	Accepts all non-international characters (case sensitive)
Uppercase Alphanumeric	Accepts all non-international characters and displays uppercase
Y or N	Accepts a Y or N (Yes or No)

* These data types are only used with defining source data.

AVAILABLE FORMAT TYPES FOR DATA TYPES

Date formats

Format	Description
MM/DD/YY	Month-Day-Year with leading zeros (02/17/2008)
DD/MM/YY	Day-Month-Year with leading zeros (17/02/2008)
YY/MM/DD	Year-Month-Day with leading zeros (2008/02/17)
Month D, Yr	Month name-Day-Year with no leading zeros (February 17, 2008)
bM/bD/YY	Month-Day-Year with spaces instead of leading zeros (2/17/2008)
D/M/YY	Day-Month-Year with no leading zeros (17/2/2008)
YY/M/D	Year-Month-Day with no leading zeros (2008/2/17)
M/D/YY	Month-Day-Year with no leading zeros (2/17/2008)
bD/bM/YY	Day-Month-Year with spaces instead of leading zeros (17/ 2/2008)
YY/bM/bD	Year-Month-Day with spaces instead of leading zeros (2008/ 2/17)
MMDDYY	Month-Day-Year with no separators (02172008)
DDMMYY	Day-Month-Year with no separators (17022008)
YYMMDD	Year-Month-Day with no separators (20080217)
MonDDYY	Month abbreviation-Day-Year with leading zeros (Feb172008)
DDMonYY	Day-Month abbreviation-Year with leading zeros (17Feb2008)
YYMonDD	Year-Month abbreviation-Day with leading zeros (2008Feb17)
day/YY	Day of year (counting consecutively from January 1)-Year (48/2008)
YY/day	Year-Day of Year (counting consecutively from January 1--often called the Julian date format) (2008/48)
D Month, Yr	Day-Month name-Year (17 February, 2008)
Yr, Month D	Year-Month name-Day (2008, February 17)
Mon-DD-YYYY	Month abbreviation, Day with leading zeros, Year (Feb 17, 2008)
DD-Mon-YYYY	Day with leading zeros, Month abbreviation, Year (17 Feb, 2008)
YYYYY-Mon-DD	Year, Month abbreviation, Day with leading zeros (2008, Feb 17)

Numeric formats

Component	Description
","	Tells the system to insert a comma in the specified positions of the field at data entry time.
"9"	Tells the system to place a number zero through nine (0-9) in that space. If there is no number to fill a digit preceding the number, the system uses zeros as placeholders.
."	Tells the system to accept only a decimal point in the specified position at data entry time.
"Z"	Tells the system to automatically suppress leading zeros in the specified positions of the field at data entry time.
"\$"	Tells the system to insert a dollar sign in the specified position of the field at data entry time. The dollar sign can be used in a drifting manner or dollar fill. A single dollar sign in a field specifies that a currency symbol will always appear in the right most position before the first non-zero number. A dollar fill is specified by two dollar signs in the field format. A dollar fill specifies that leading zeros will be suppressed and replaced by the \$symbol.
"*"	Works much the same way as a dollar fill, but suppresses zeros with asterisks instead of dollar signs. An asterisk (*) must follow a dollar sign to a valid field format.

The following list provides examples of various numeric formats:

```
-ZZZZZZ9.99%
+ZZZZZZ9.99%
ZZZZZZ9.99-
ZZZZZZ9.99+
ZZZZZZ9.99DB
ZZZZZZ9.99CR
ZZZZZZ9.99
ZZZZZZ9.99
9999999999
ZZZZZZZZZZZZ
```

Time formats

Format	Description
HH:MM:SS	Hour, minutes, and seconds in 24 hour format.
HH:MM:SS XM	Hour, minutes, and seconds in 12 hour Format.
HH:MM	Hour and minutes in 24 hour format.
HH:MM XM	Hour and minutes in 12 hour Format.

APPENDIX D: ARX REPORT FILES GUIDED SETUP SYSTEM FILE SELECTION

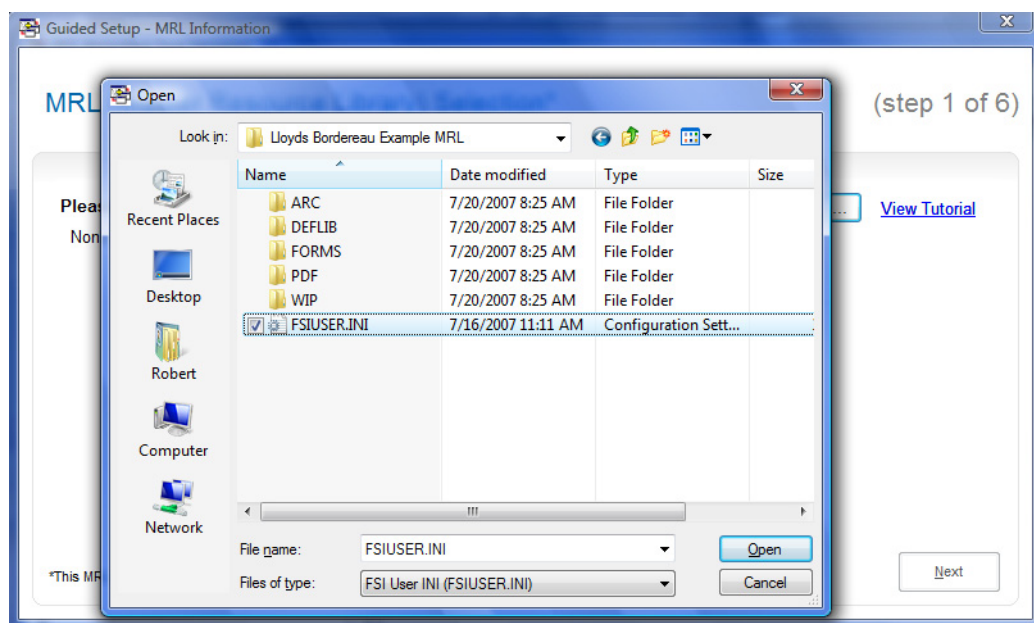
An .ARX file defines how to mine data from a PPS archive and write records into a Microsoft Access database table. The file specifies index filtering rules, database table design, the source of the data in the columns of each row of data, options for successful reports and much more. The structure of the ARX files is defined within the Designer's schema. The ARX files and Designer's schema are well-formed XML documents that conform to the [World Wide Web Consortium \(W3C\)](#) standards for XML and XML schemas version 1.0.

FSIUSER.INI FILE

The FSIUSER.INI file is one of the configuration files that are used by your PPS environment. It is also required for many of the Reporting Tool's features. The following explains how to select the FSIUSER.INI file for the MRL that you would like to do reports on. Please note that if any changes are required to run any of the Reporting Tool's features, the application makes a backup copy of your file to make sure all of your previous settings are saved.

These instructions are for loading the FSIUSER.INI from within the Guided Setup only. To select the FSIUSER.INI file, click the button next to the FSIUSER.INI caption to open a Browse window and search your machine. See the following screen for a reference. When you find the file you want, click Open and the path of the file is filled in for you. The configuration in the FSIUSER.INI file is also filled in for you.

NOTE: If you have more than one MRL configuration specified in your INI file, you must select the one you want from the list.



FORM.DAT FILE

The FORM.DAT file is a collection of all of the FAP files in a specific MRL. It is required for creating an MRL database, but is not required for reporting from archives. The following explains how to select a FORM.DAT file.

These instructions are for loading the FORM.DAT from the Guided Setup only. Simply click on the button next to the FORM.DAT caption to open a Browse window and search your machine. When you find the file you want, click Open and the path of your selected file is filled in for you.

APPENDIX E: DAL DEFINITION

DAL (Document Automation Language) is a scripting language which is part of the Documaker tool set. The Reporting Tool can use DAL scripts to filter in or out transactions and to provide an alternate source of data in certain circumstances.

Two DAL scripts are included in the example Bordereau MRL. You can modify these scripts to work with other MRLs. For more information, see [What's Included in the Lloyds Bordereau Example?](#) on page 10.

NOTE: For more information on DAL, see the DAL Reference.

DALAPPIDXFieldLookup
.DAL

Here is an example of the DALAPPIDXFieldLookup.DAL script:

```
* This script will return a string description which is defined by
* looking at the APPIDX Field value for the current transaction.
*
* This example is set to return a text value by looking at the
* "TRANCODE" field. The TRANCODE value holds the Transaction Type for
* the current transaction.
*
*- IMPORTANT NOTES -
*
* No filtering is done in this script. It looks at the value and
* returns the text designated for that TRANCODE. The text
* that is returned in this example is the value in the
* Transactions control group in the FSISYS.INI. Please see
* below for the values.
*
* < Transactions >
*     01=;NB;New Business;TRNw32->TRNNew;
*     02=;EN;Endorsement;TRNw32->TRNEndorse;
*     03=;RN;Renewal;TRNw32->TRNRenew;
*     04=;QU;Quote;TRNw32->TRNRenew;
*
* To learn more about DAL and available functions, please see the DAL
* help file. Below is a brief description of the DAL function that
* is used within this script.
*
* TRIM() is used to remove any leading and trailing spaces.
*
* STEP 1 - Create a string variable named, "strAPPIDXField" and set
* it to the TRANCODE value for this transaction.
*
*     strAPPIDXField=TRIM(ARCENG.TRANCODE);
*
* STEP 2 - Create a string variable named, "strReturnValue" and set a
* value to be returned by looking at the variable from the previous
* step.
*
IF strAPPIDXField = "NB" THEN
    strReturnValue="New Business";
ELSEIF strAPPIDXField = "EN" THEN
    strReturnValue="Endorsement";
ELSEIF strAPPIDXField = "RN" THEN
    strReturnValue="Renewal";
ELSEIF strAPPIDXField = "QU" THEN
    strReturnValue="Quote";
```



```

ELSE
    strReturnValue="UNKNOWN TRANCODE";
END;

* STEP 3 - Return the value from the previous step

RETURN(strReturnValue);

```

DALDateRangeFilter.DAL

Here is an example of the DALDateRangeFile.DAL script:

```

* This script returns a value of "1" if the current field's date
* passes the date range checks and a "0" otherwise. It should only
* be used on fields with the field type of "DATE".
*
* This example is set to return a "1" for any field it is used on
* that has a date range between: "7/1/2007" to "8/1/2007".
*
*- IMPORTANT NOTES -
*
* This script uses several DAL functions. To learn more about DAL and
* available functions, please see the DAL help file. Below is a brief
* description of the DAL functions that are used in this script.
*
* TRIM() is used to remove any leading and trailing spaces.
*
* DIFFDATE() returns the number of days between the two specified
* dates. It returns a positive number if the first date specified is
* earlier than the second date and a negative number if it is after
* the second date.
*
* FIELDFORMAT() returns the current field's format(by default). This
* is used to make sure the date comparison done within DIFFDATE() is
* done with the correct date format.

* STEP 1 - Create a string variable named, "strCurDate" and set it
* to the current field's value.

strCurDate=TRIM(@,,,);

* STEP 2 - Create a numeric variable named, "#NumDays" that will be
* set to the return value of the DIFFDATE function.

#NumDays=DIFFDATE("7/1/2007",,strCurDate,FIELDFORMAT())

* STEP 3 - Check the value returned in the previous step to see if
* it is less than zero. If this value is less than zero, then the
* field's date is before the first date ("7/1/2007") and we return a
* "0". There is no need to look any further at this field.

IF #NumDays < 0 THEN RETURN("0"); END;

* STEP 4 - Create a numeric variable named, "#NumDays" that will be
* set to the return value of the DIFFDATE function.

#NumDays=DIFFDATE("8/1/2007",,strCurDate,FIELDFORMAT())

```

```
* STEP 5 - Check the value returned in the previous step to see if  
* it is less than zero. If this value is less than zero, then the  
* field's date is before the first date ("8/1/2007") and we return a  
* "1". If the field's date is greater than zero it means that the  
* field's date is after the first date and we return a "0".
```

```
IF #NumDays < 0 THEN RETURN("1"); ELSE RETURN("0"); END;
```