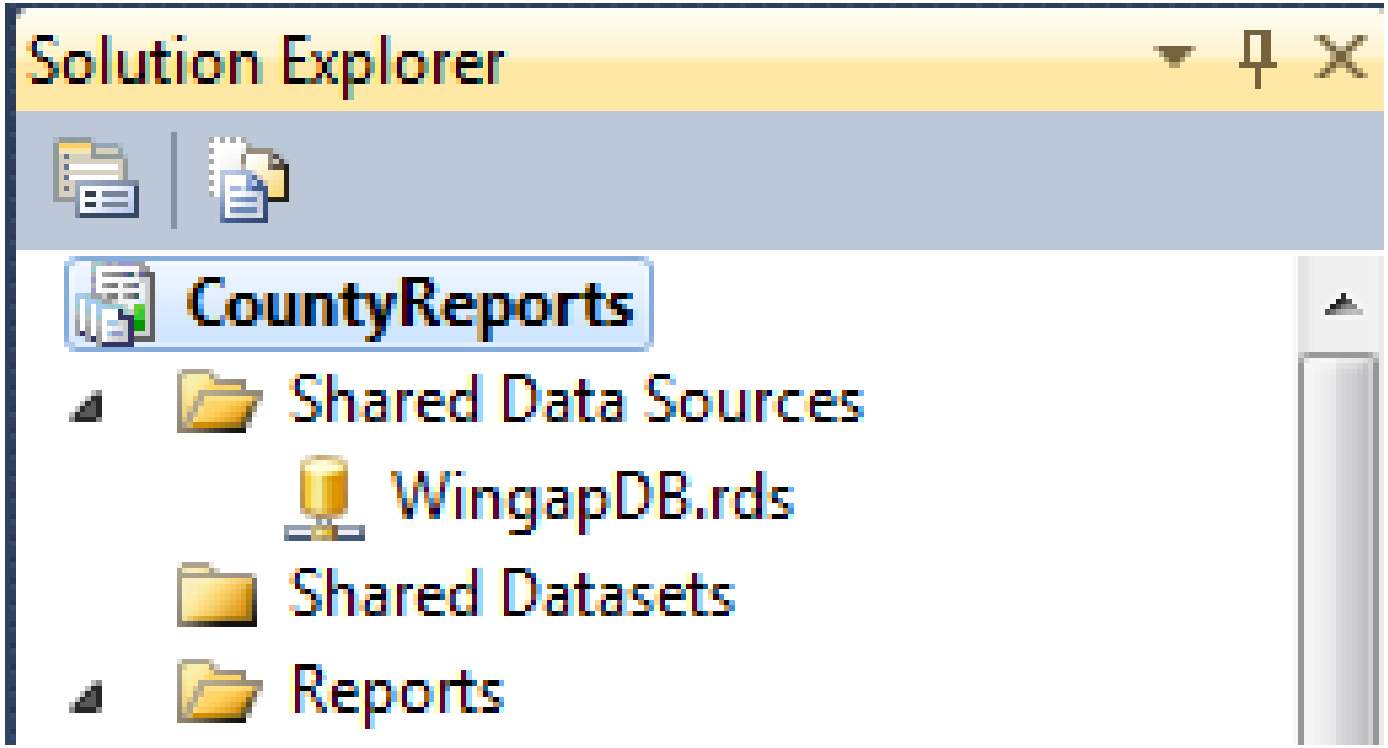
Quick Intro to SSRS for New WINGAP SQL users

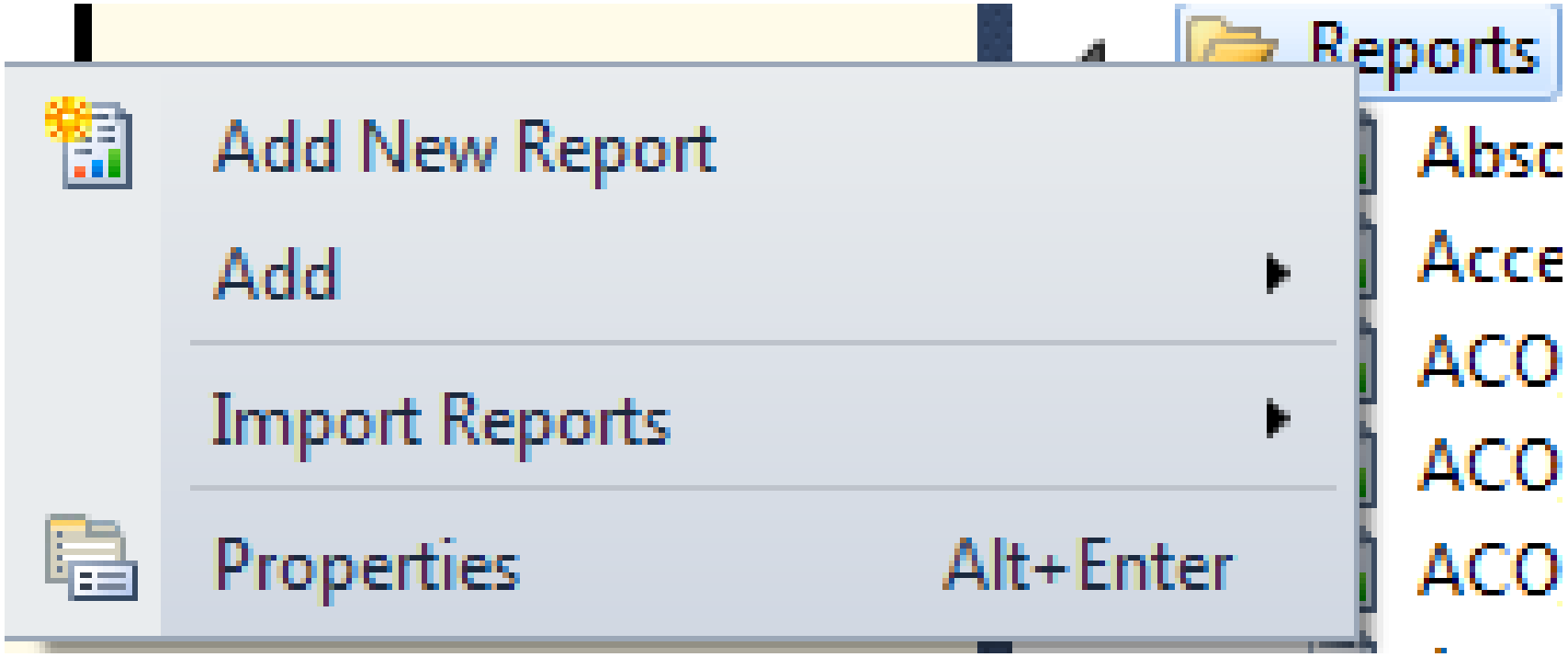
Start the Report Wizard

- In the SOLUTION EXPLORER Window:

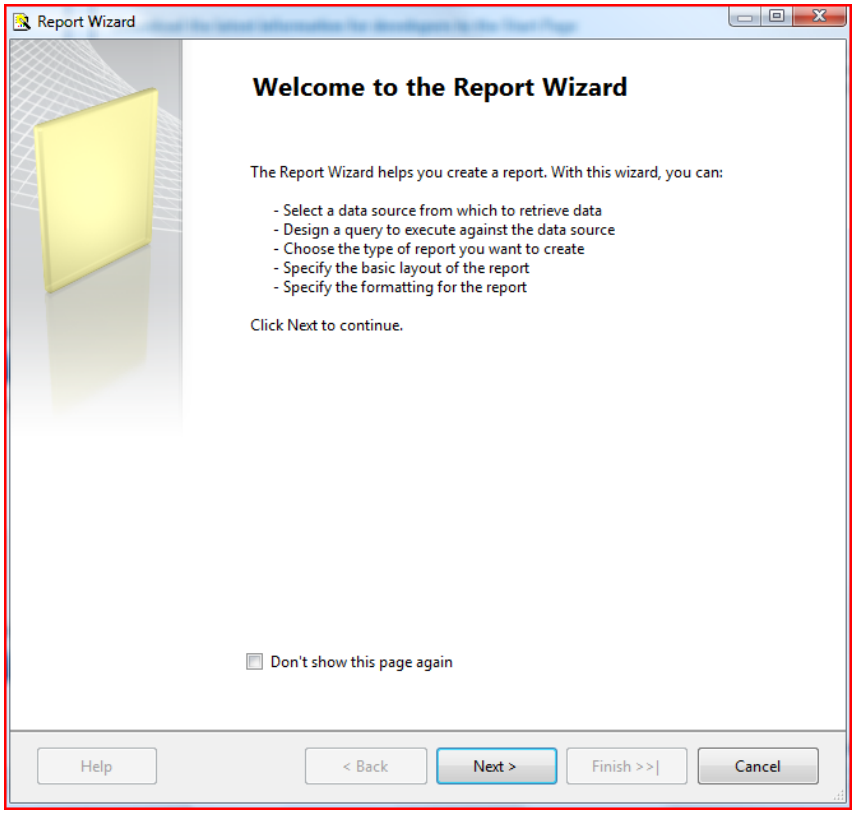


Start the Report Wizard

- Right-Click the REPORTS folder icon and select first item: ADD NEW REPORT

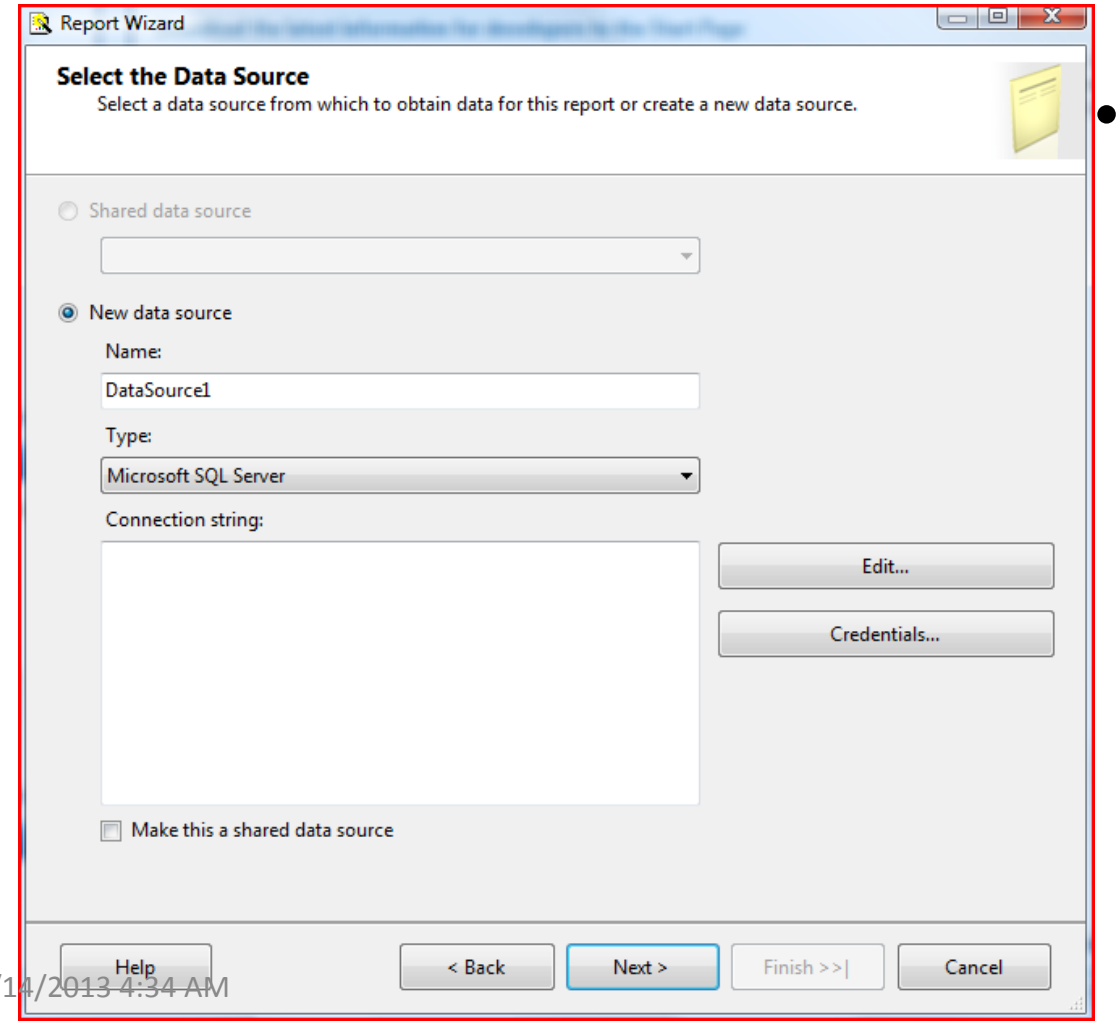


Welcome to the Report Wizard



- With this wizard, you can:
  - Select a data source
  - Design a query
  - Choose type of report
  - Specify basic layout
  - Specify formatting

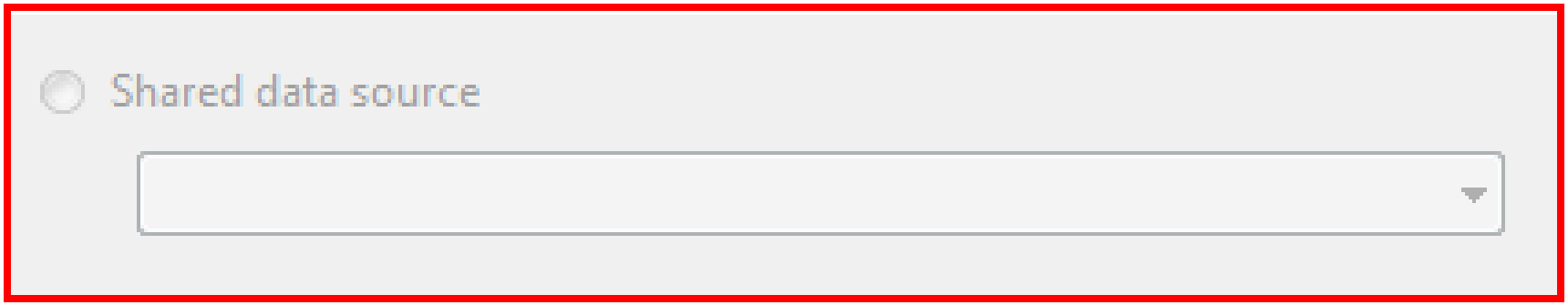
Select your data source



- Select a data source

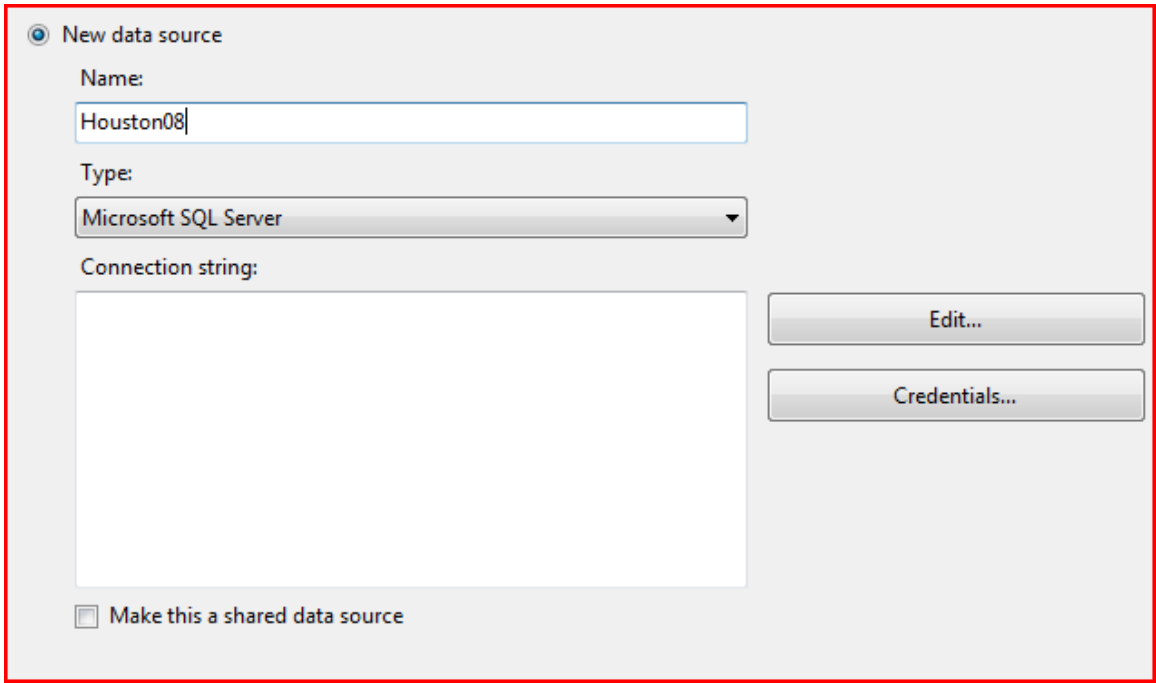
Select Data Source

- If we have no data sources defined, the ‘shared data source’ option is not yet available

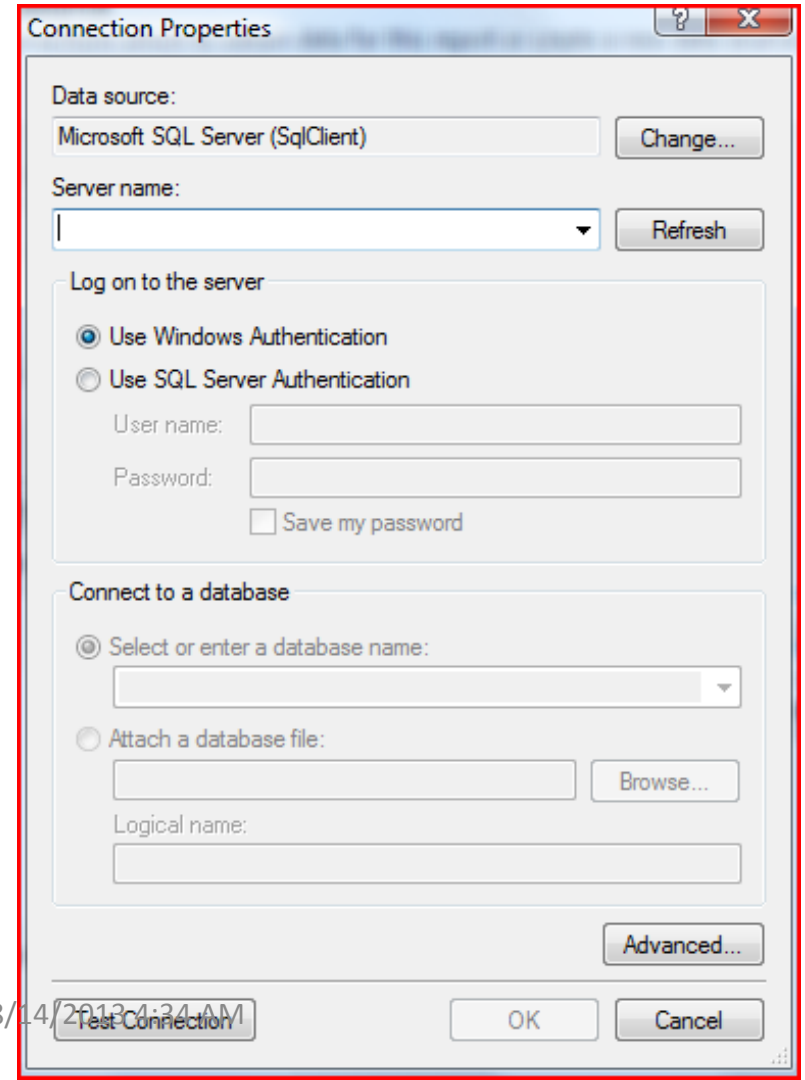


New Data Source

- Name on screen example is :
  - Houston08
- Type:
  - Defaults to MS SQL Server – no change required
- Click EDIT button to define connection

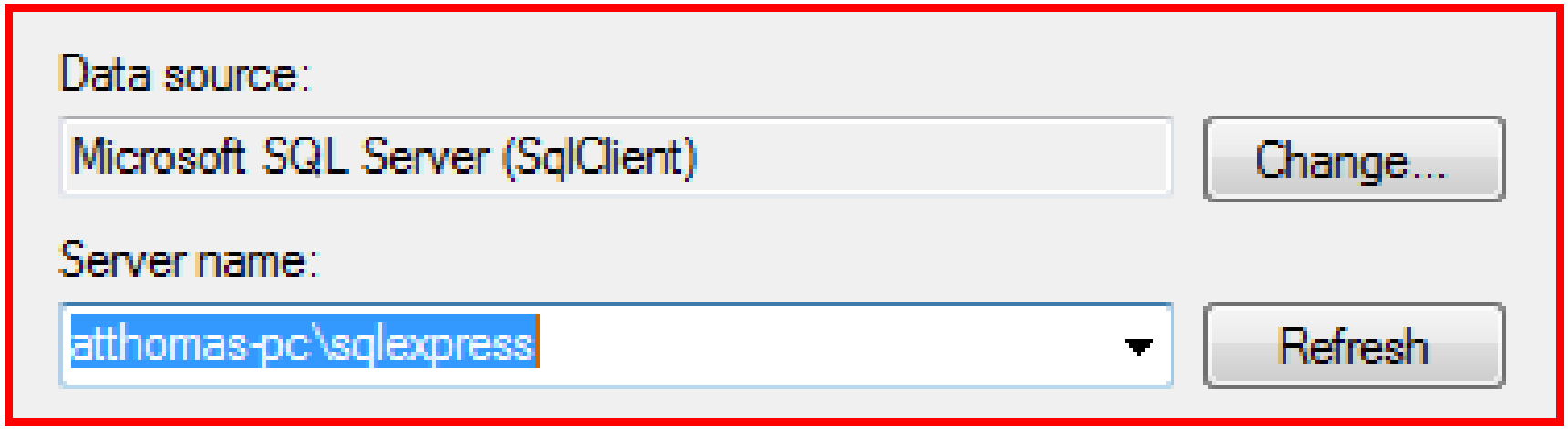


Connection Properties

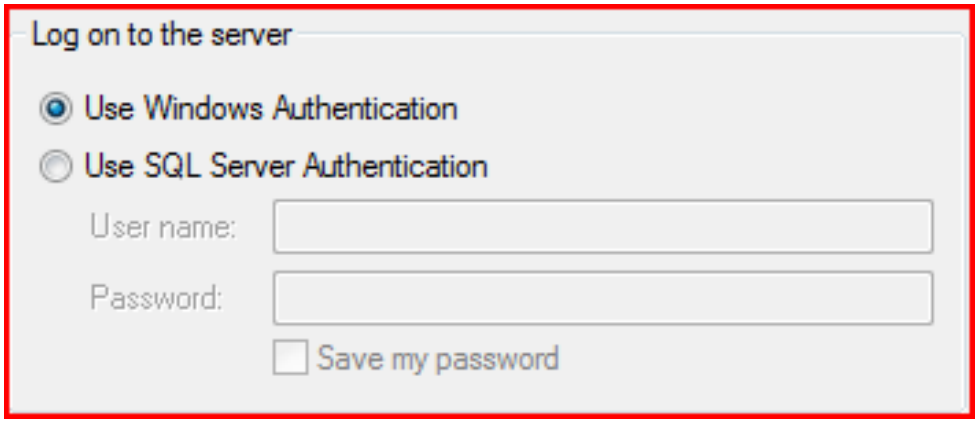


- Server Name
  - This is the machine name and server name selected when MS SQL Server 2008 was installed
- As previously stated, my Server Name is:
  - Atthomas-pc\sqlexpress

Data Source: Server Name

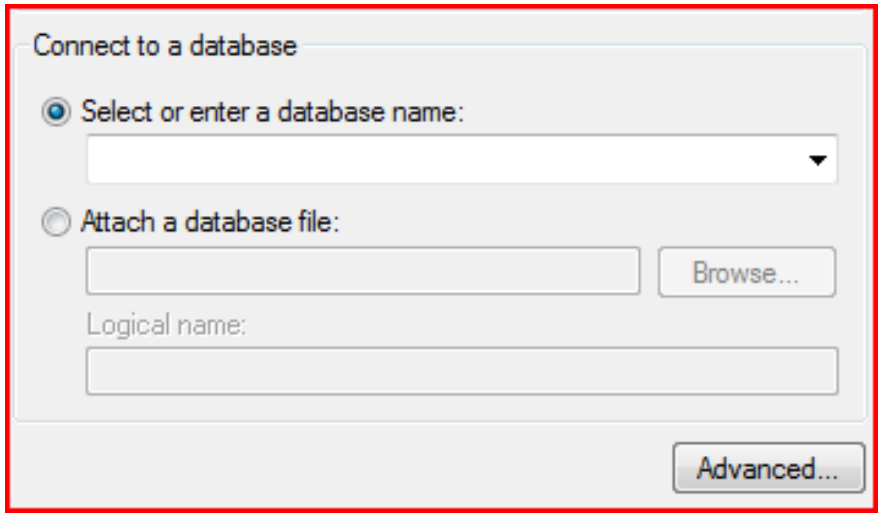


Log on to the Server



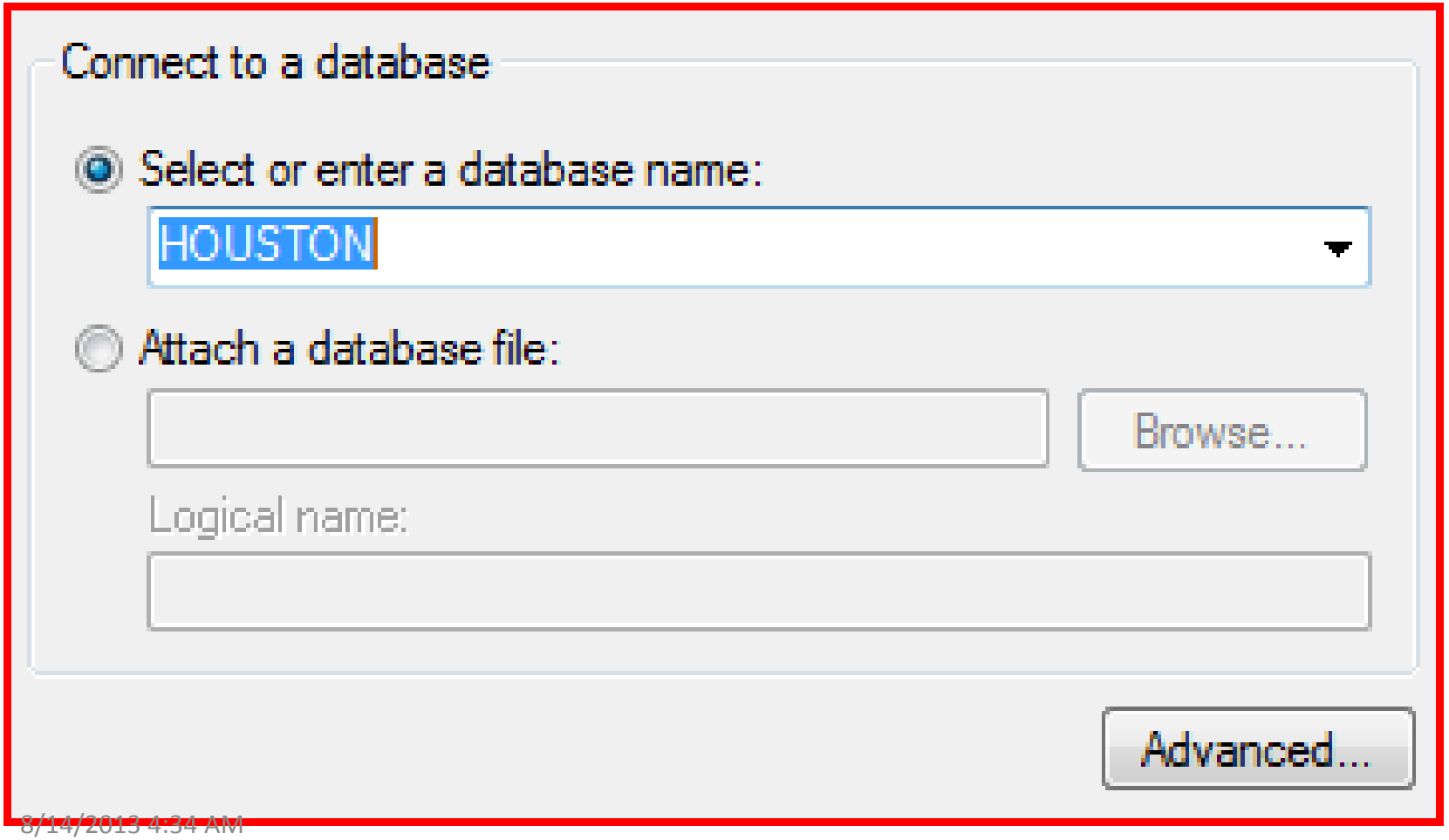
- Windows Authentication
  - SQL Server will inherit user names and security information from Windows® and/or the domain controller
- SQL Server Authentication
  - SQL Server will manage the users and security itself

Connection to a database

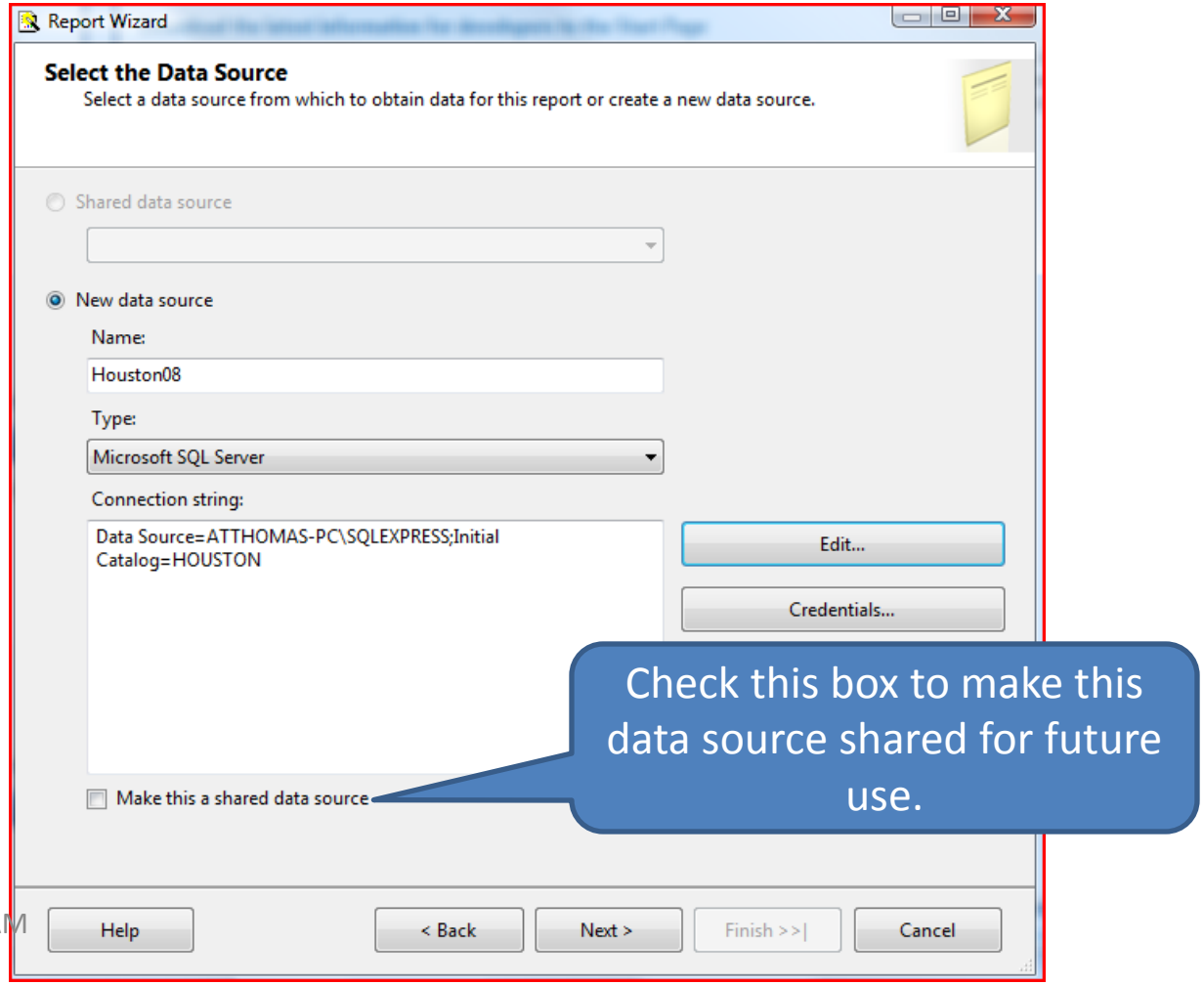


- If you know the name of the database, you can enter the text manually
- If you don't know, or prefer, you can select from a list of available databases by expanding the combo-box list

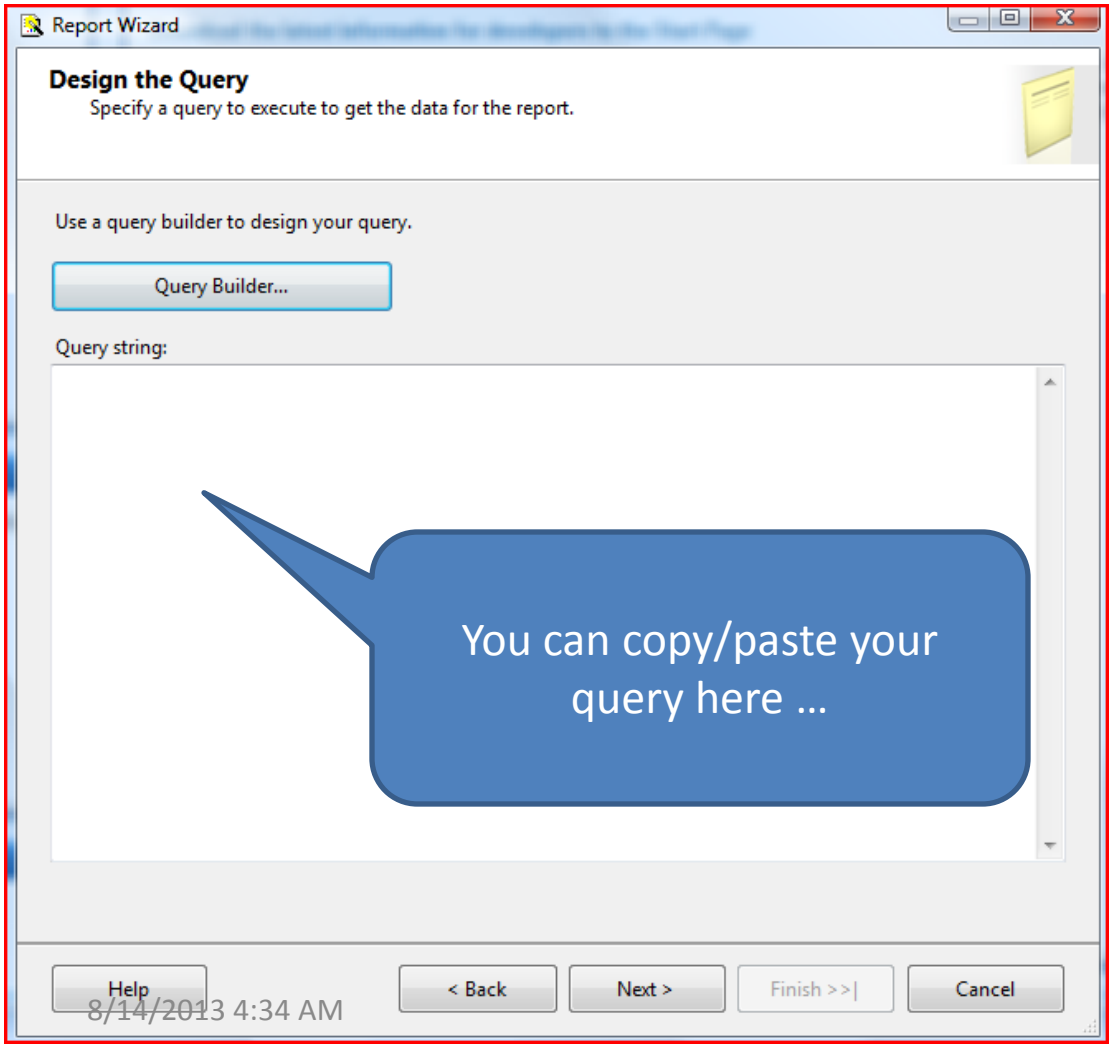
Connect to a database



Back to Select data source screen



Design the Query



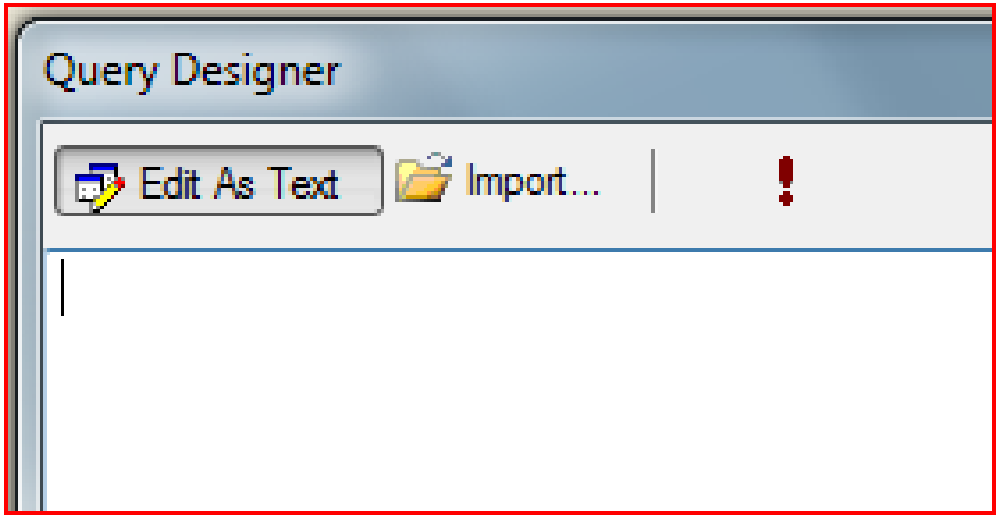
- Two Options:
  - As you advance you can enter or copy/paste your query string directly
  - Click the query building button

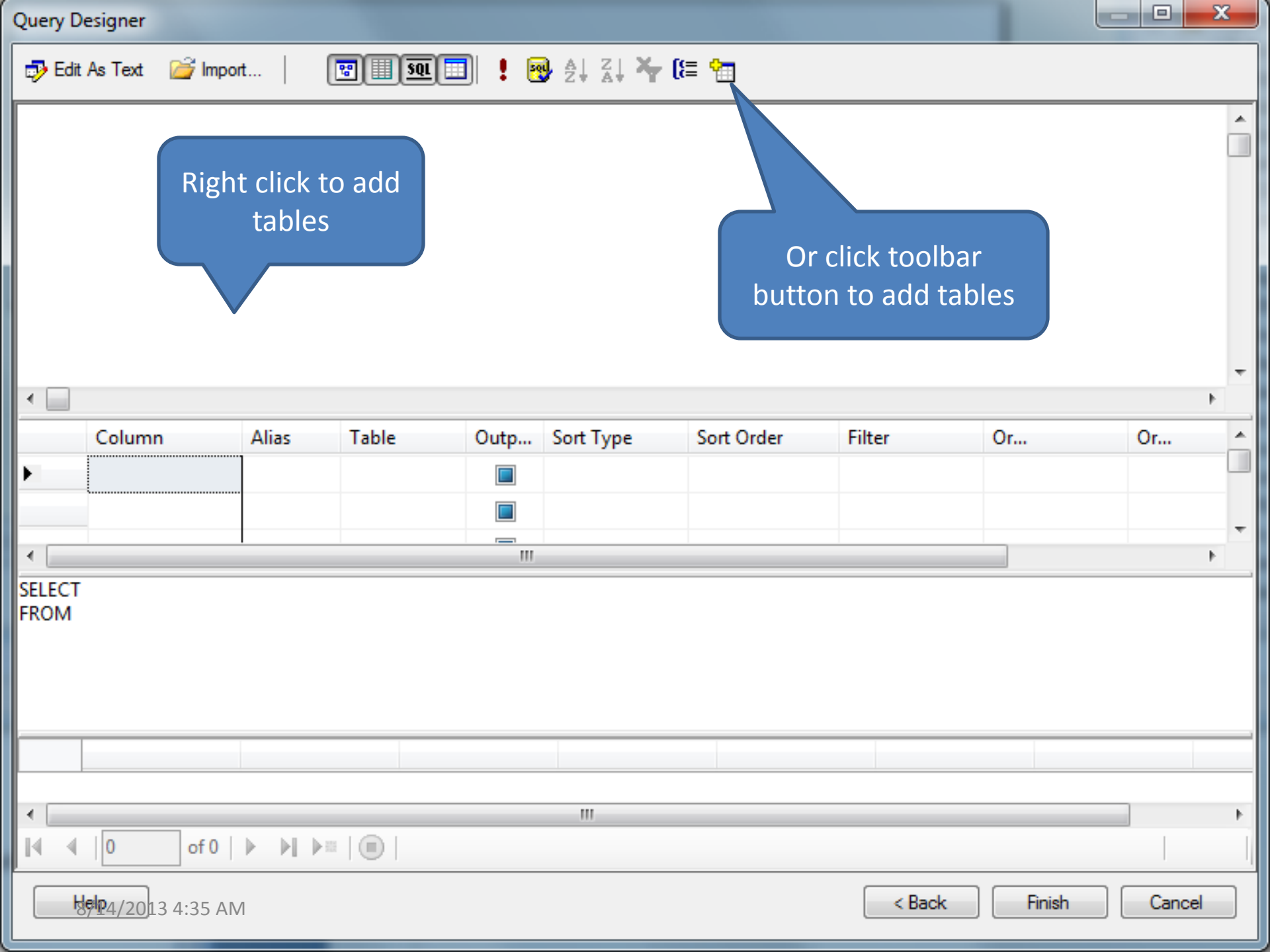
Data Set: Query Building

- Two options for building queries (data sets)
  - Edit as Text
  - Edit graphically
- Editing as text allows users to simply enter the SQL SELECT statement that will build the data set (sometimes also known as the record set)
- Editing graphically allows users to build a data set without any knowledge of t-sql – users can point and click to build their queries.

Data Set: Graphical Query Building

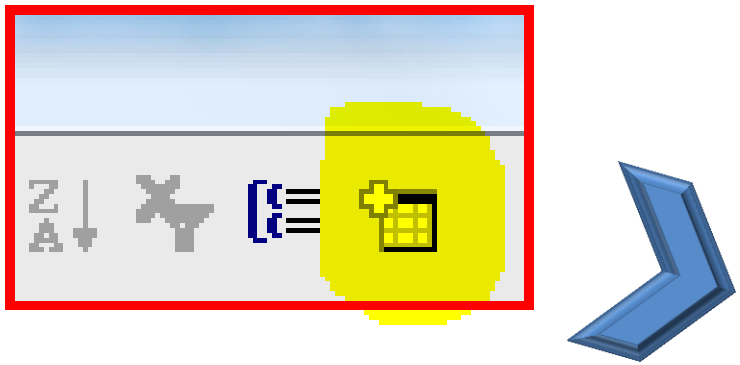
- ‘Edit As Text’ button determines the interface for building your query
- The screen shot shows the ‘edit as text’ button is depressed, therefore screen is setup for text entry
- Unclick the button to change the interface

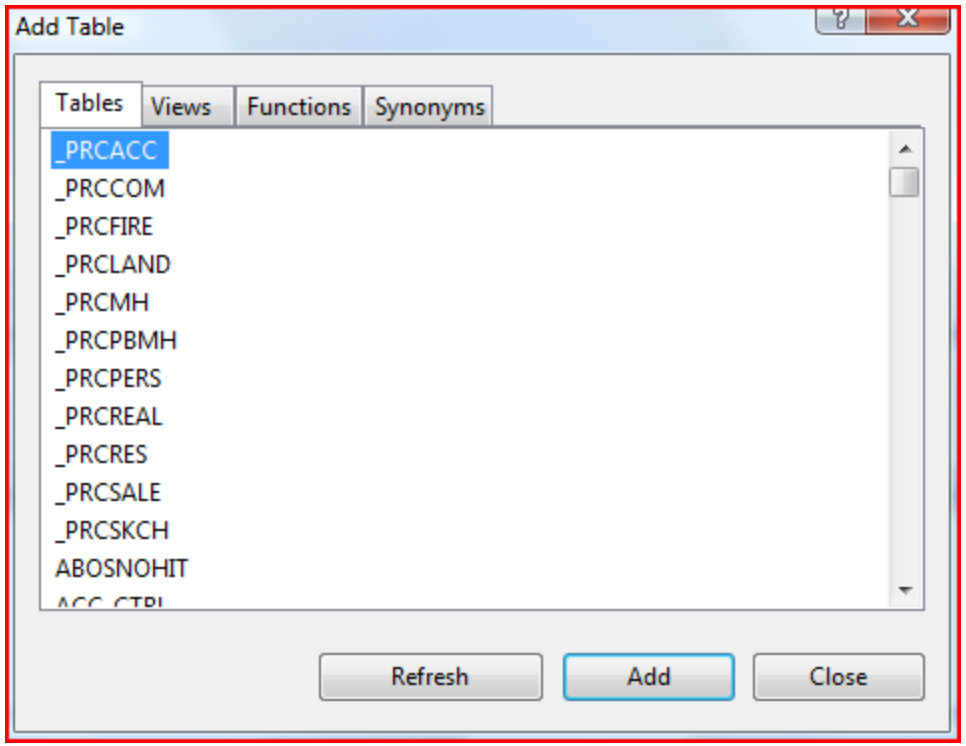



Query Designer
Edit As Text
Import...
Right click to add tables
Or click toolbar button to add tables
Column
Alias
Table
Outp...
Sort Type
Sort Order
Filter
Or...
Or...
SELECT
FROM
0
of 0
Help
8/14/2013 4:35 AM
< Back
Finish
Cancel

Query Designer

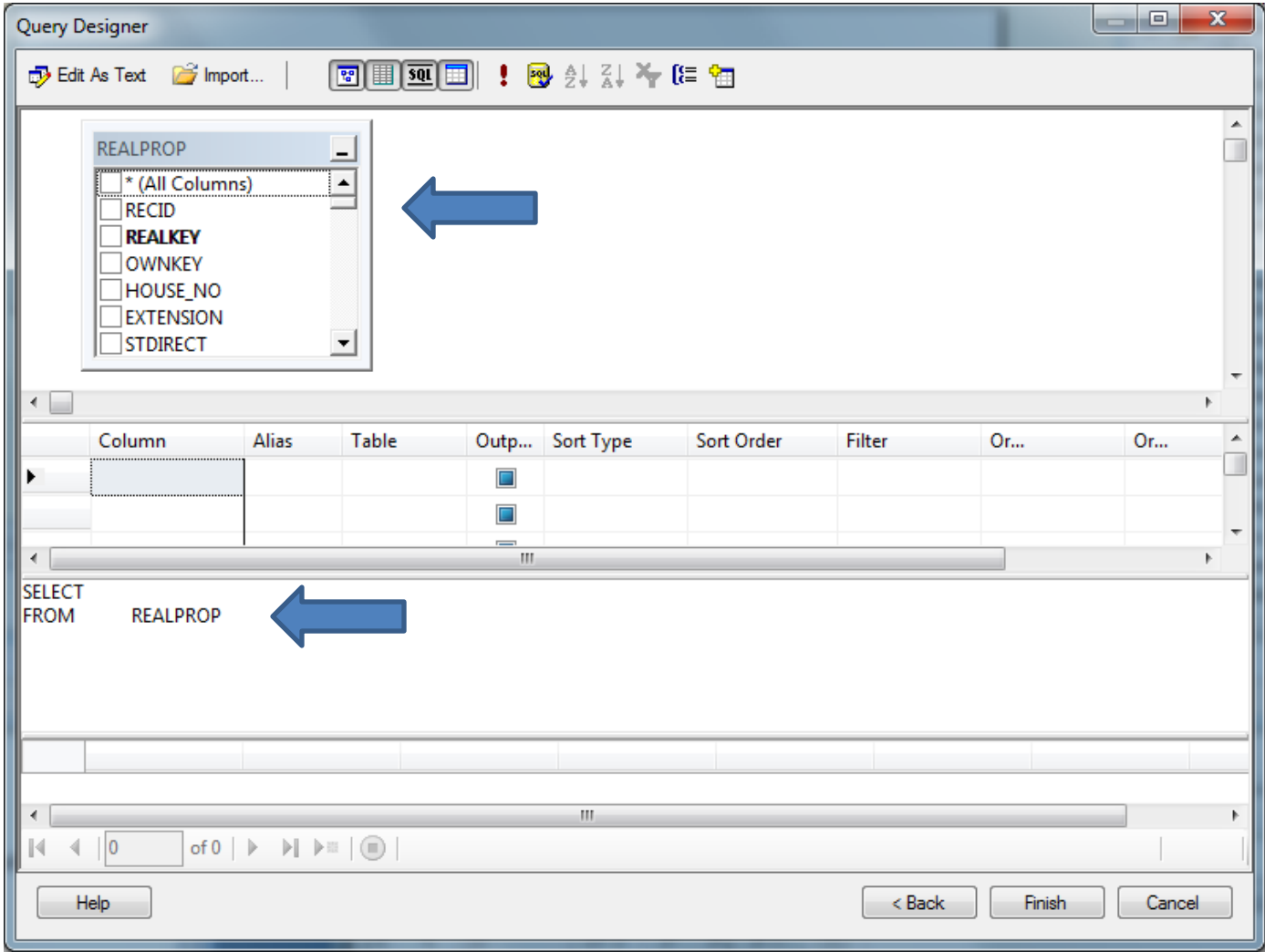
- Add Table Button

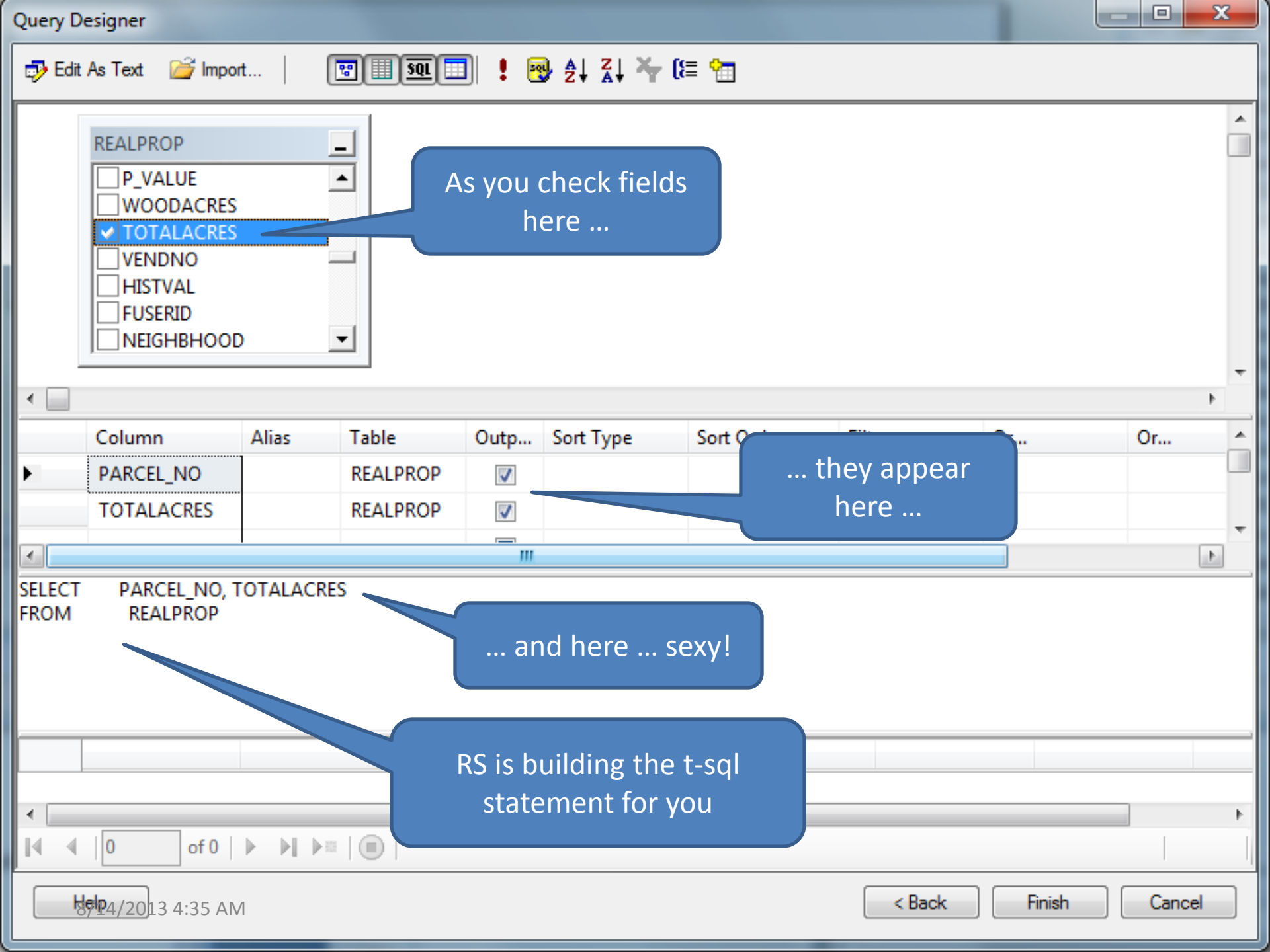




Data Set: Graphical Query Building

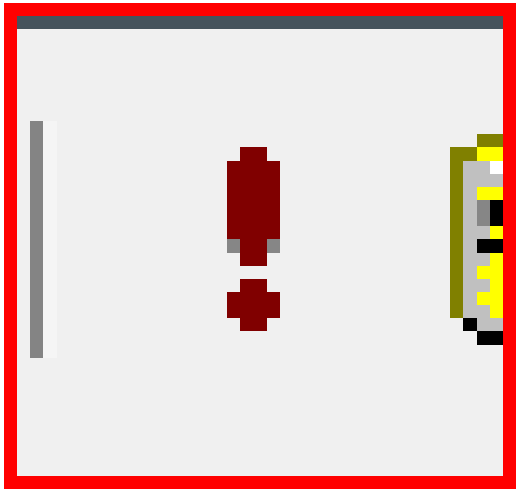
- Realprop has been added
- Next check the fields you wish to appear:
  - Parcel number
  - Total

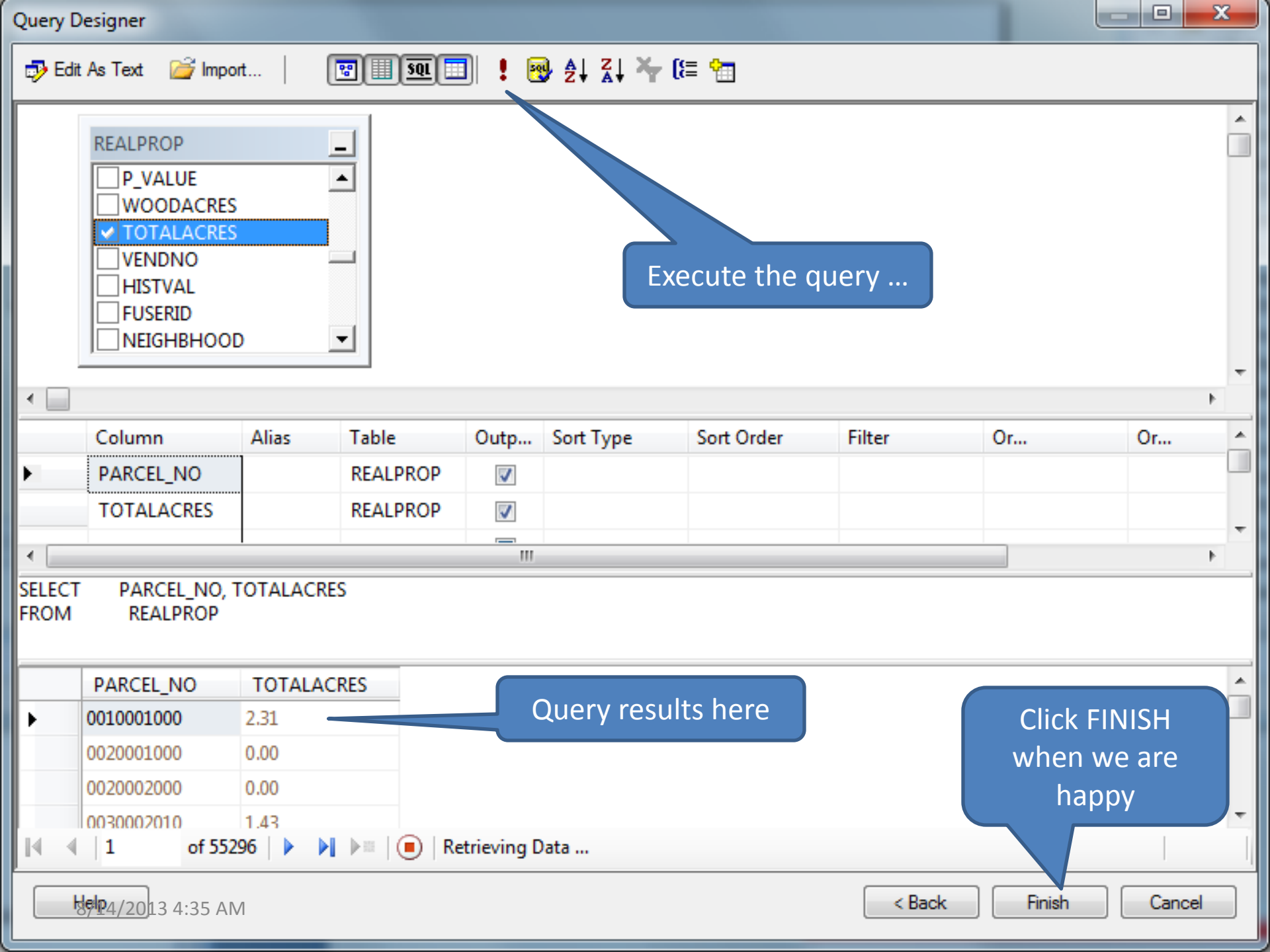



Query Designer
Edit As Text
Import...
REALPROP
P_VALUE
WOODACRES
TOTALACRES
VENDNO
HISTVAL
FUSERID
NEIGHBHOOD
As you check fields here ...
Column
Alias
Table
Outp...
Sort Type
Sort O...
Or...
PARCEL_NO
REALPROP
TOTALACRES
REALPROP
... they appear here ...
SELECT PARCEL_NO, TOTALACRES
FROM REALPROP
... and here ... sexy!
RS is building the t-sql statement for you
0
of 0
Help
8/14/2013 4:35 AM
< Back
Finish
Cancel

Data Set: Testing your query

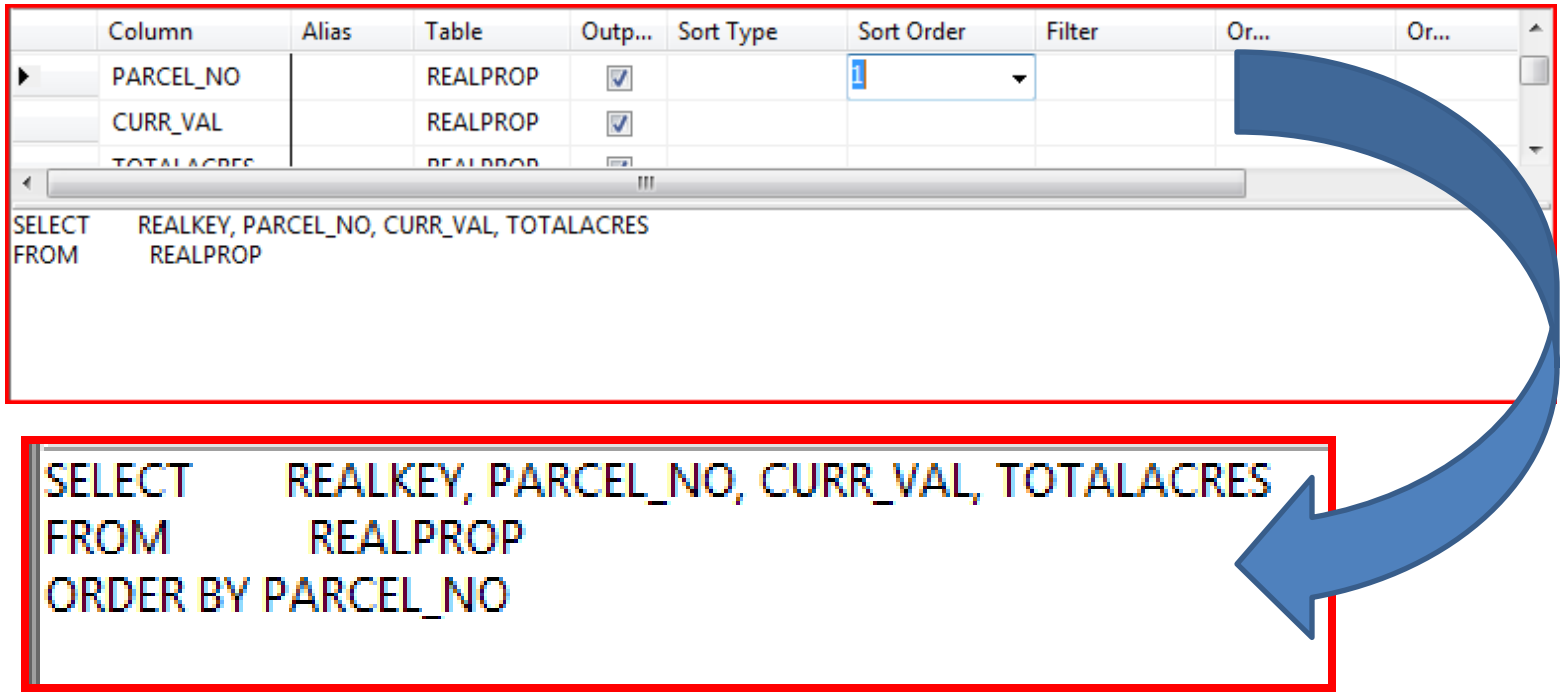
- The query builder interface gives you the ability to test your query
- Allows you to visually confirm the data you are requesting



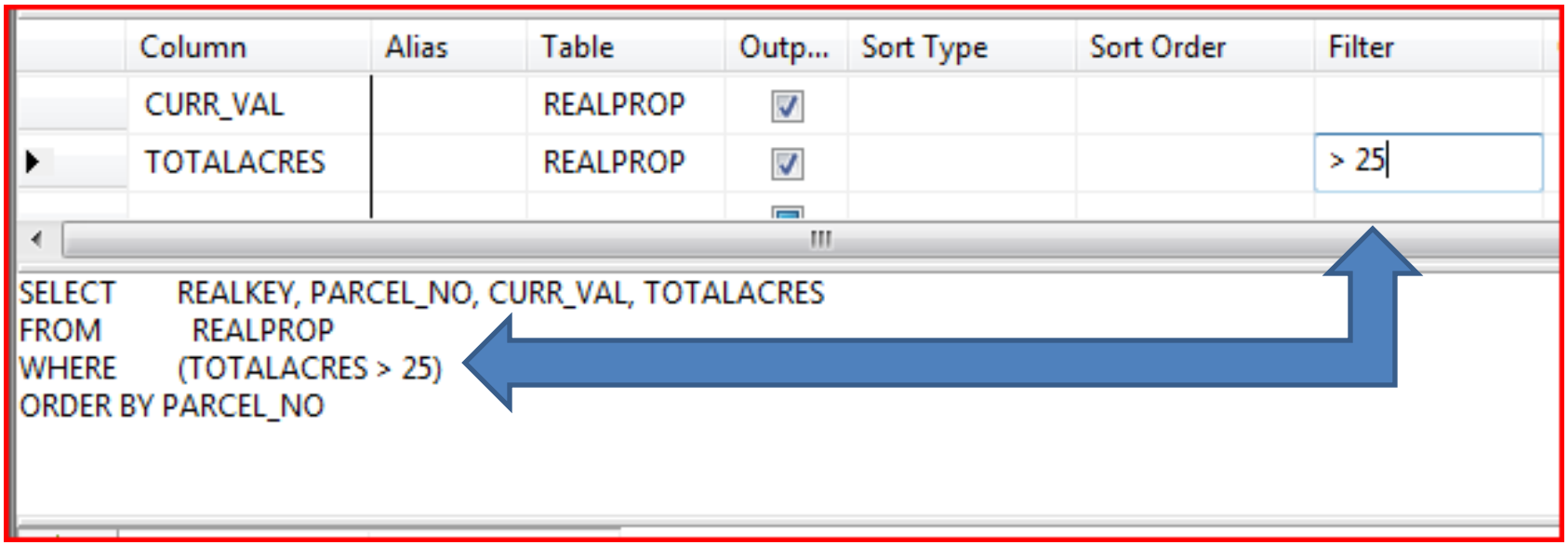

Query Designer
Edit As Text
Import...
REALPROP
P_VALUE
WOODACRES
TOTALACRES
VENDNO
HISTVAL
FUSERID
NEIGHBHOOD
Execute the query ...
Column
Alias
Table
Outp...
Sort Type
Sort Order
Filter
Or...
Or...
PARCEL_NO
REALPROP
TOTALACRES
REALPROP
SELECT PARCEL_NO, TOTALACRES
FROM REALPROP
PARCEL_NO
TOTALACRES
0010001000
2.31
0020001000
0.00
0020002000
0.00
0030002010
1.43
Query results here
Click FINISH when we are happy
1
of 55296
Retrieving Data ...
Help
8/14/2013 4:35 AM
< Back
Finish
Cancel

Query Designer

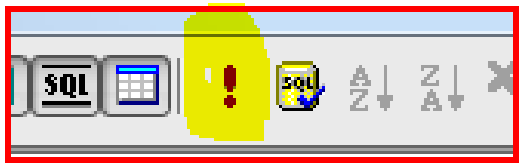
- Select Fields
- Select Sort orders



Select Filter Conditions

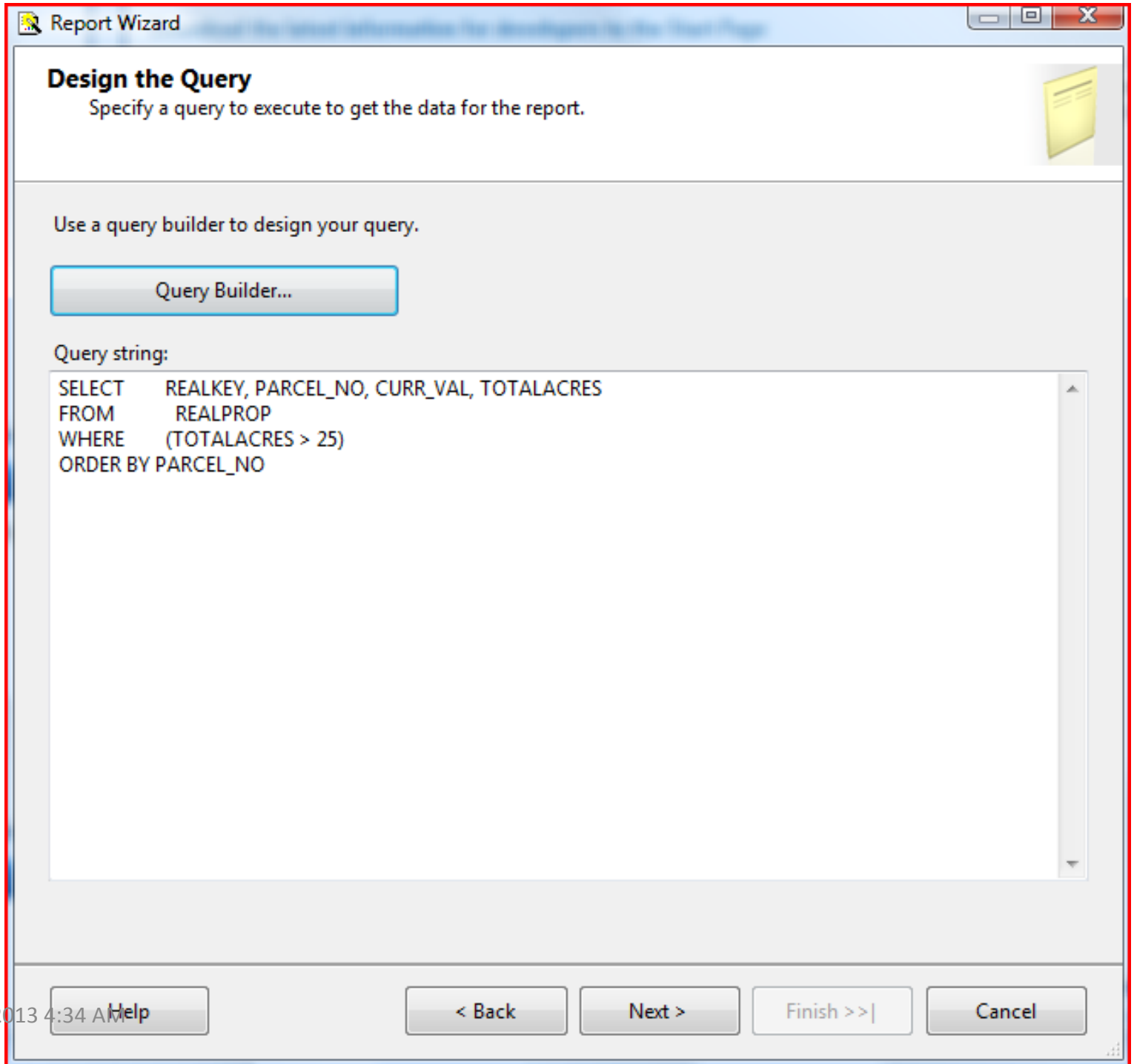


Test Query



	REALKEY	PARCEL_NO	CURR_VAL	TOTALACRES
▶	42330	000040 00100...	422400	248.33
	42331	000040 00200...	1193700	552.30
	42332	000040 00400...	1610400	446.50
	58303	000040 00900...	393600	120.76
	47361	000040 01A00...	56100	38.51

1 of 1035



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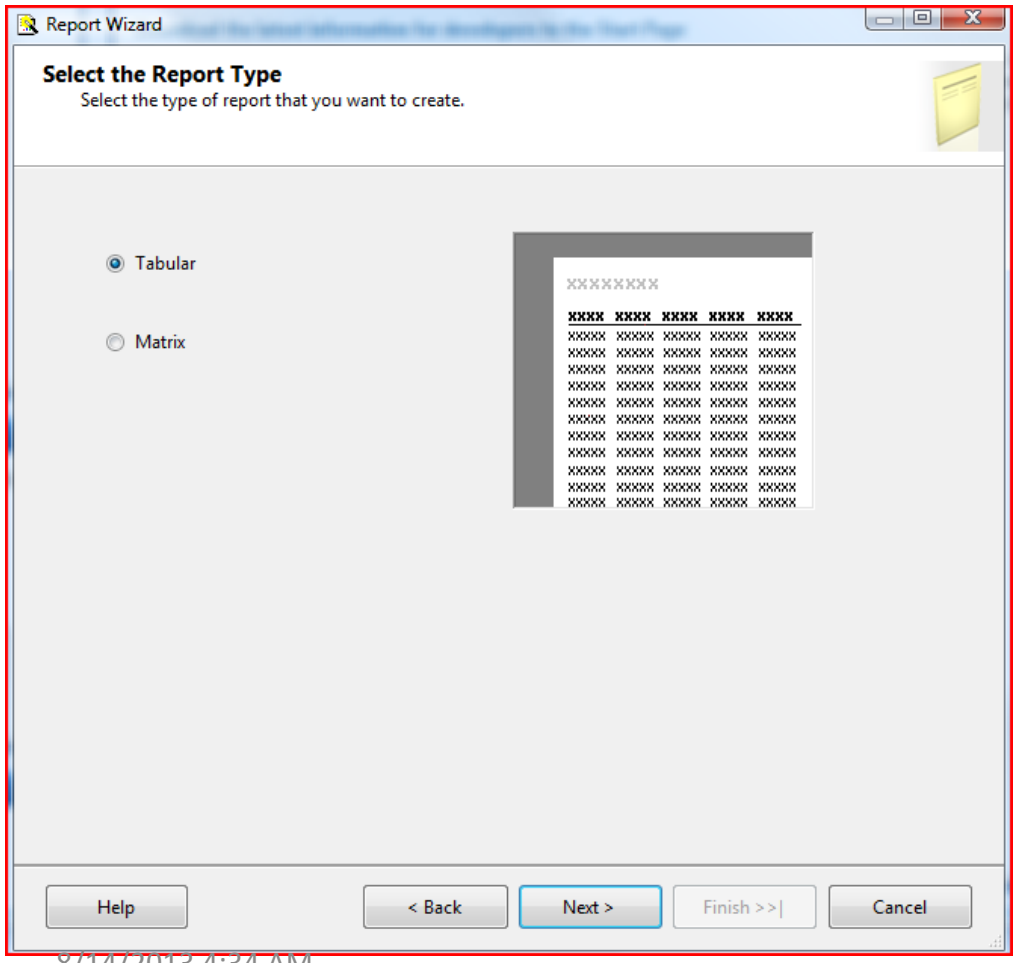
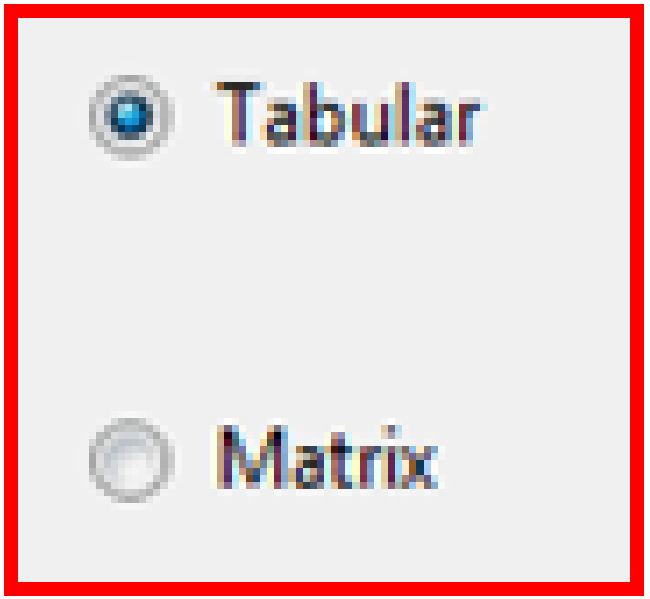
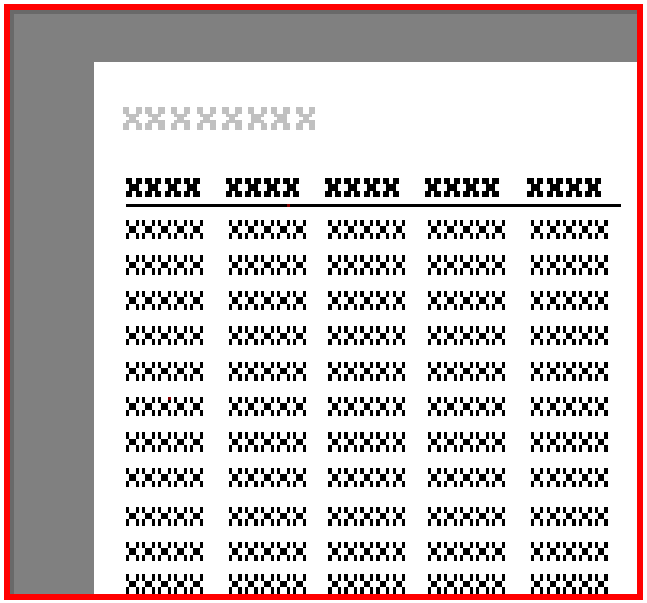
Select Report Type

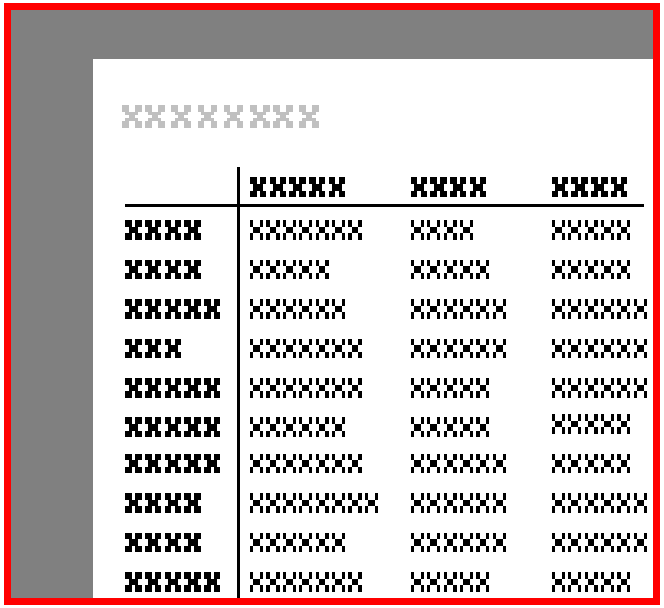




Report Type

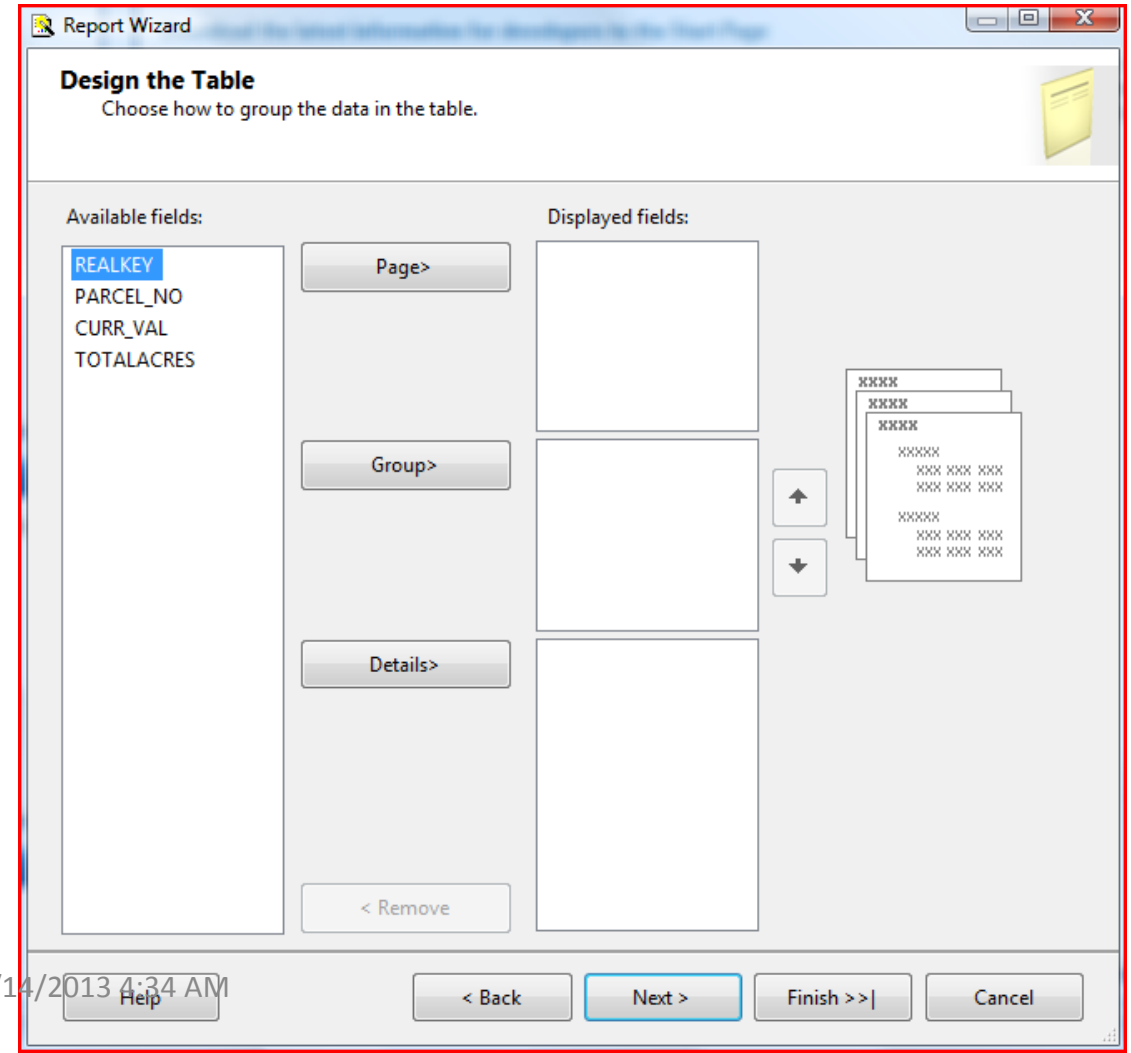


TABULAR



MATRIX

Choose how to arrange the data



How to arrange the data

- Simple reports can just throw all fields into the details section

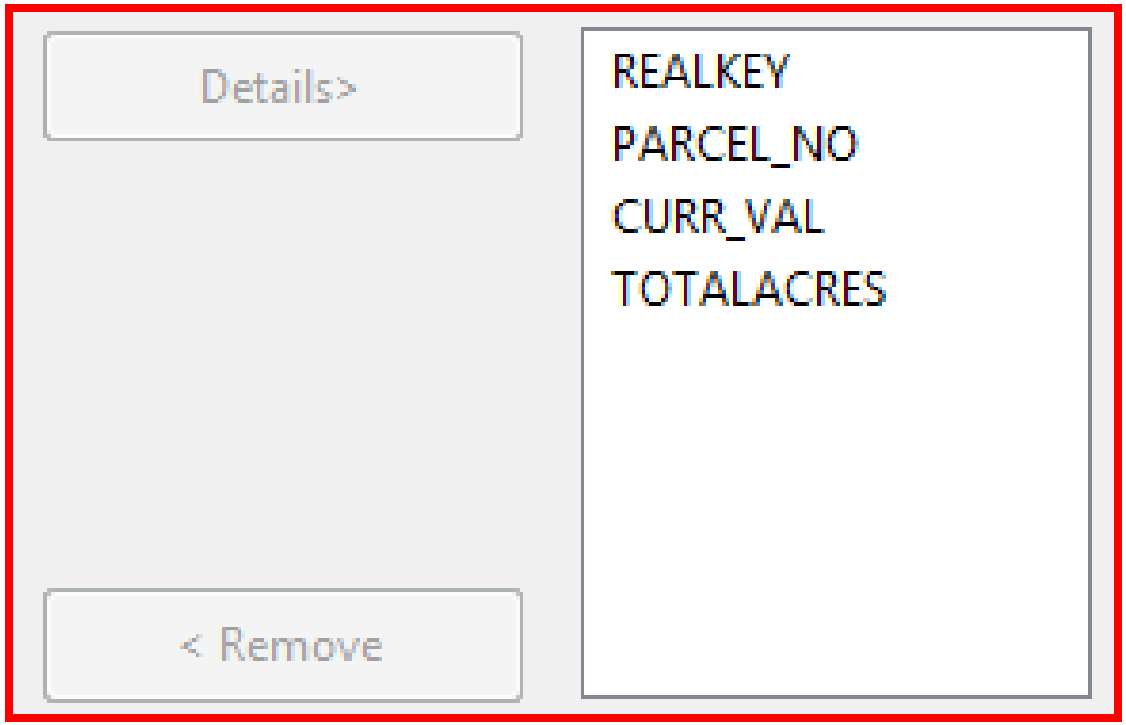
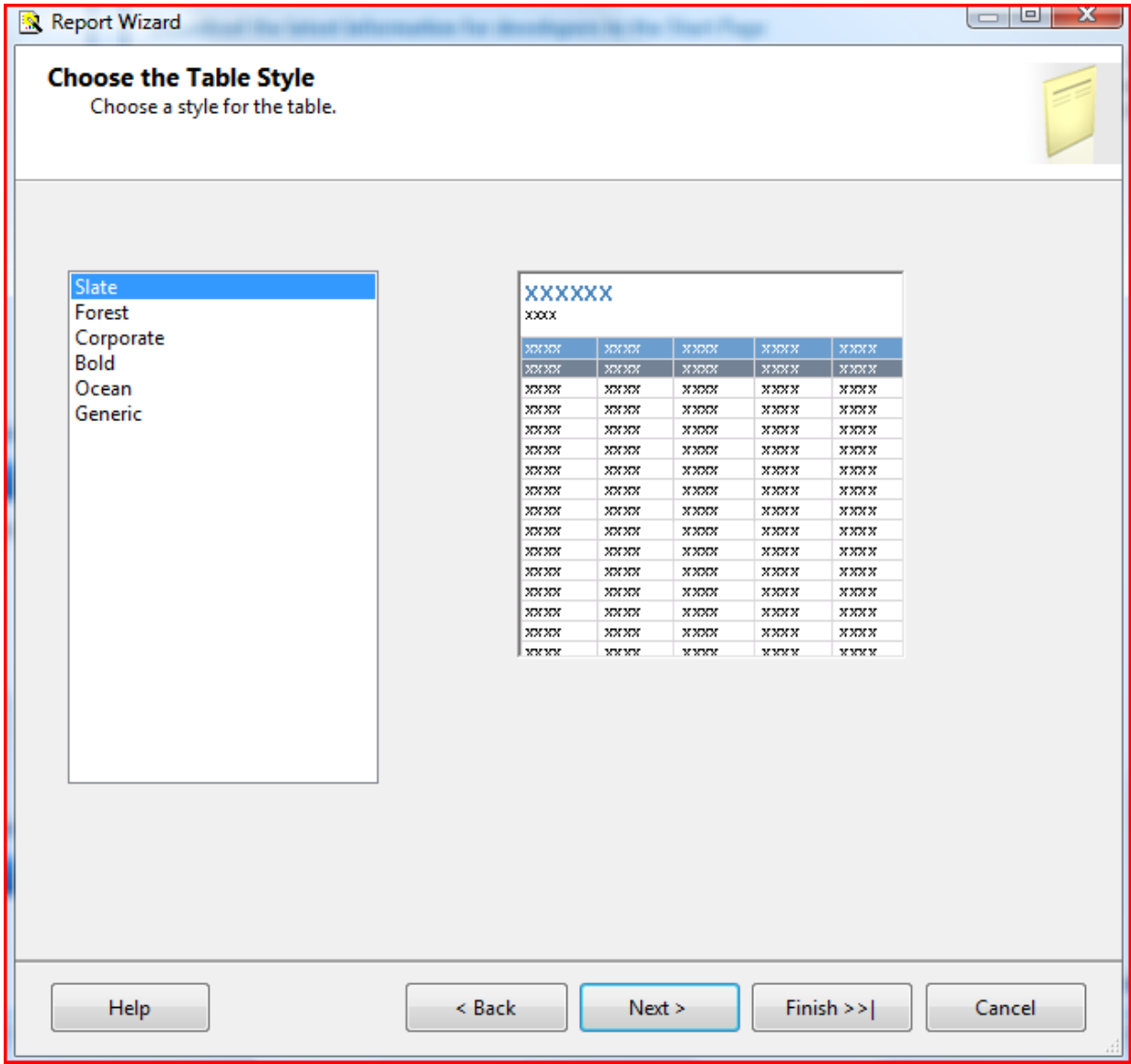
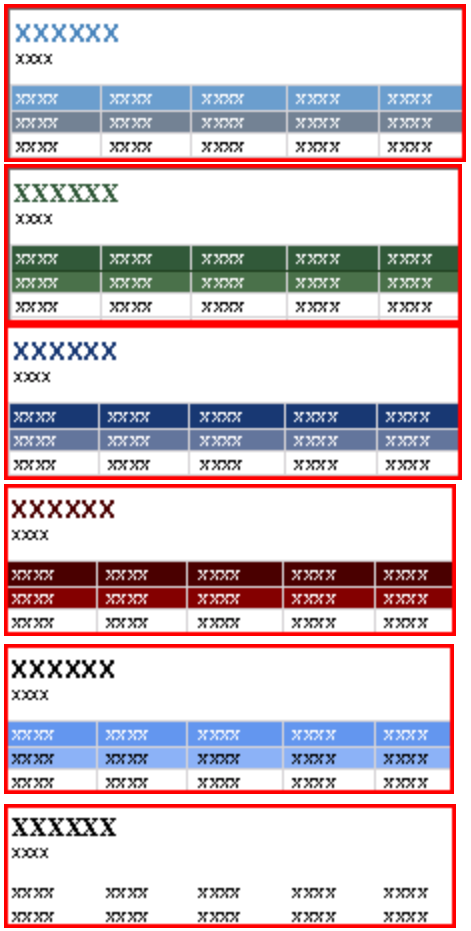


Table Style

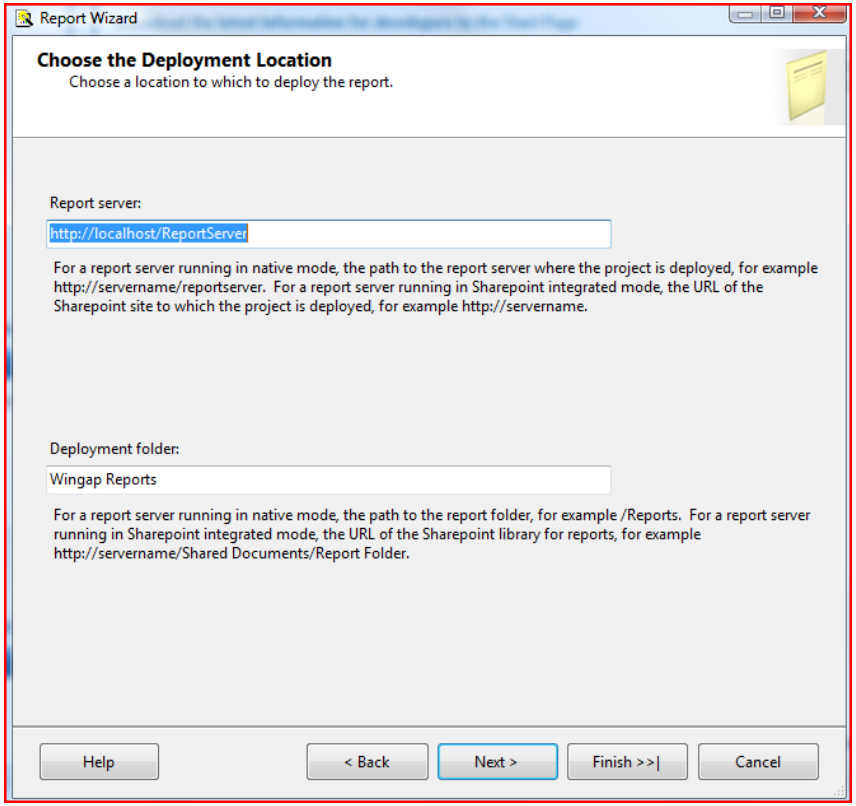

Report Wizard
Choose the Table Style
Choose a style for the table.
Slate
Forest
Corporate
Bold
Ocean
Generic
XXXXXX
xxxx
Help
< Back
Next >
Finish >>|
Cancel

Report Style

- Slate
- Forest
- Corporate
- Bold
- Ocean
- Generic

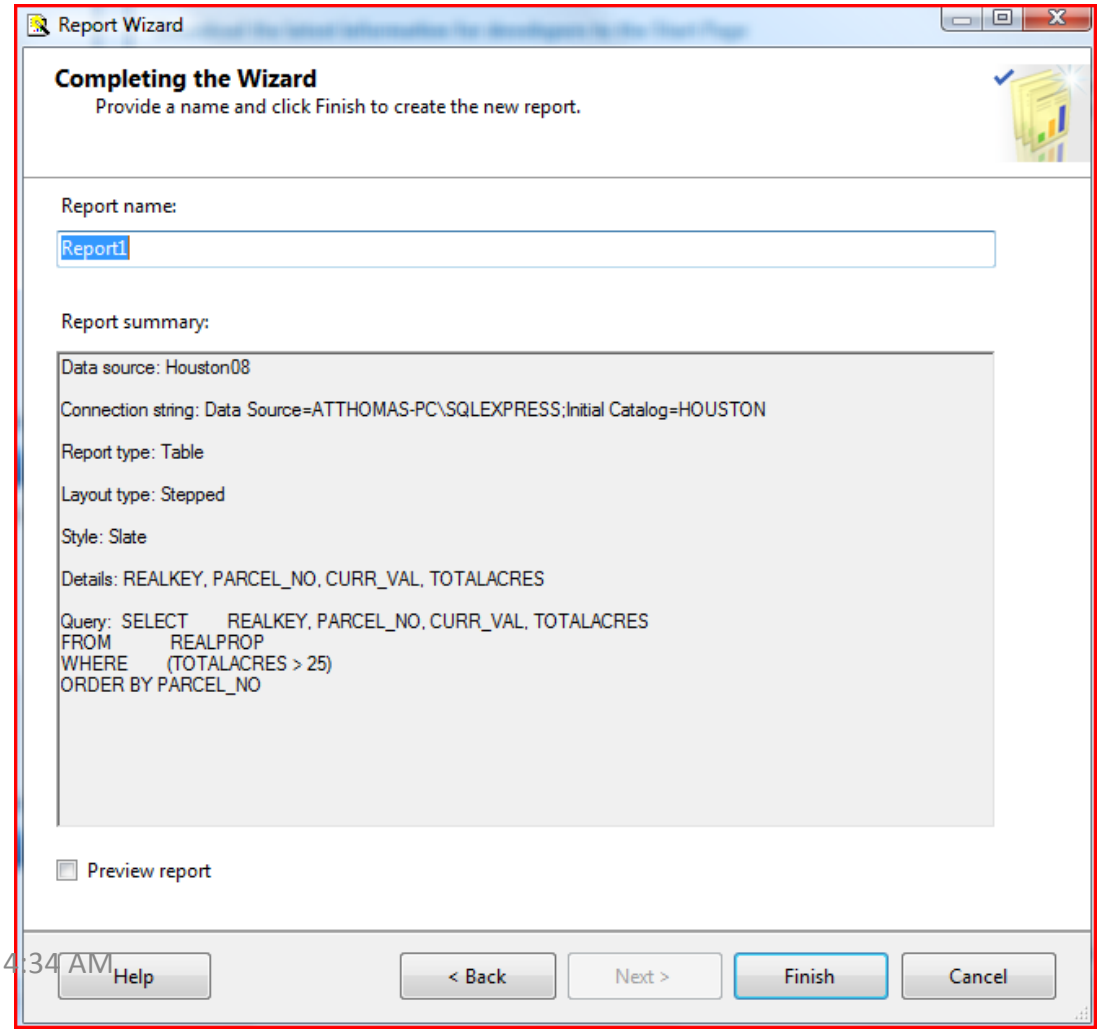


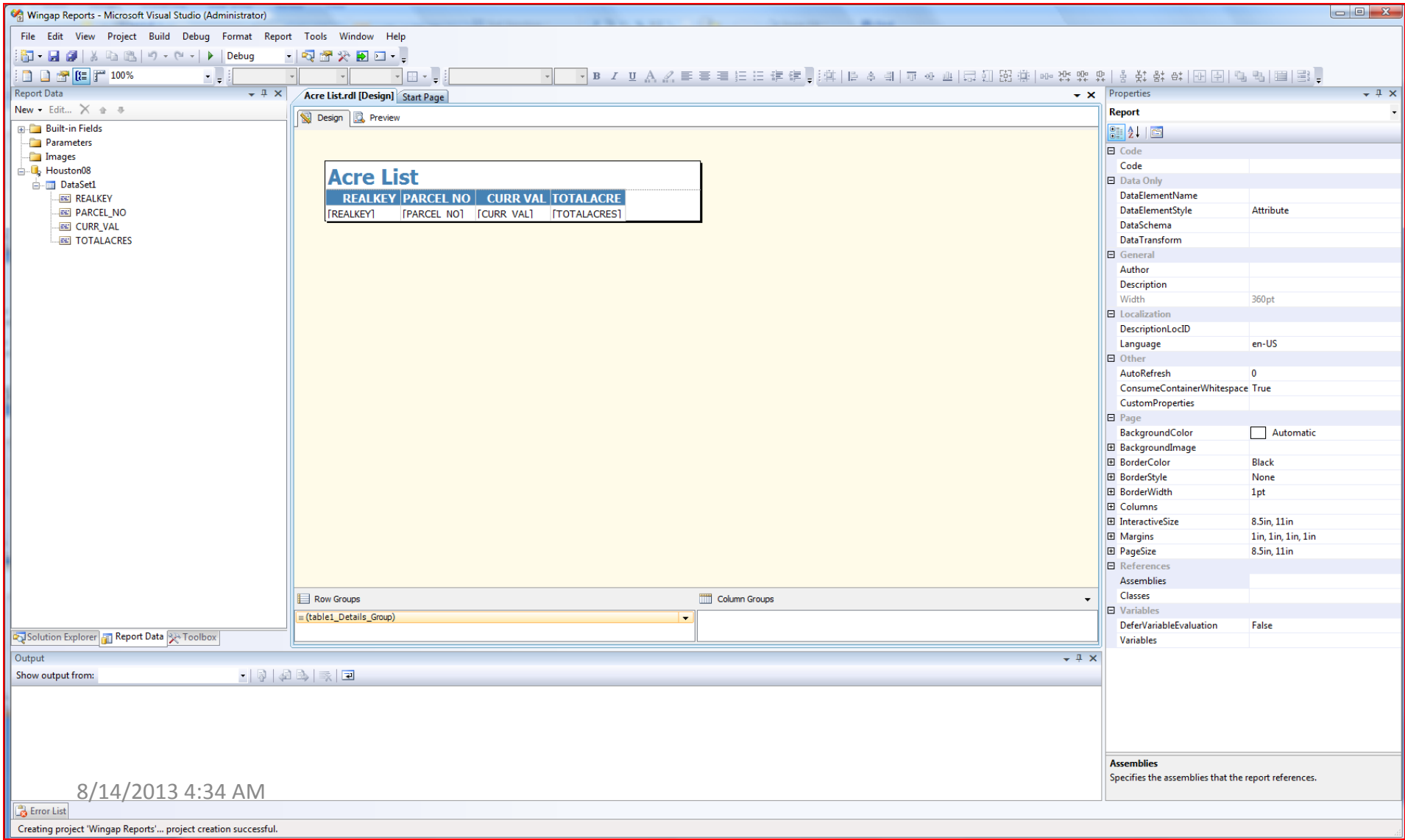
Deployment Settings



- Report Servers are web portals available for reports created with Reporting Services.
- Your local configuration at home may vary, but essentially the report server will likely be an internal intranet site used to allow users to run reports a RS user has created and deployed
- More on the Report Server later

Report Name


Report Wizard
Completing the Wizard
Provide a name and click Finish to create the new report.
Report name:
Report1
Report summary:
Data source: Houston08
Connection string: Data Source=ATTHOMAS-PC\SQLEXPRESS;Initial Catalog=HOUSTON
Report type: Table
Layout type: Stepped
Style: Slate
Details: REALKEY, PARCEL_NO, CURR_VAL, TOTALACRES
Query: SELECT REALKEY, PARCEL_NO, CURR_VAL, TOTALACRES
FROM REALPROP
WHERE (TOTALACRES > 25)
ORDER BY PARCEL_NO
Preview report
Help
< Back
Next >
Finish
Cancel



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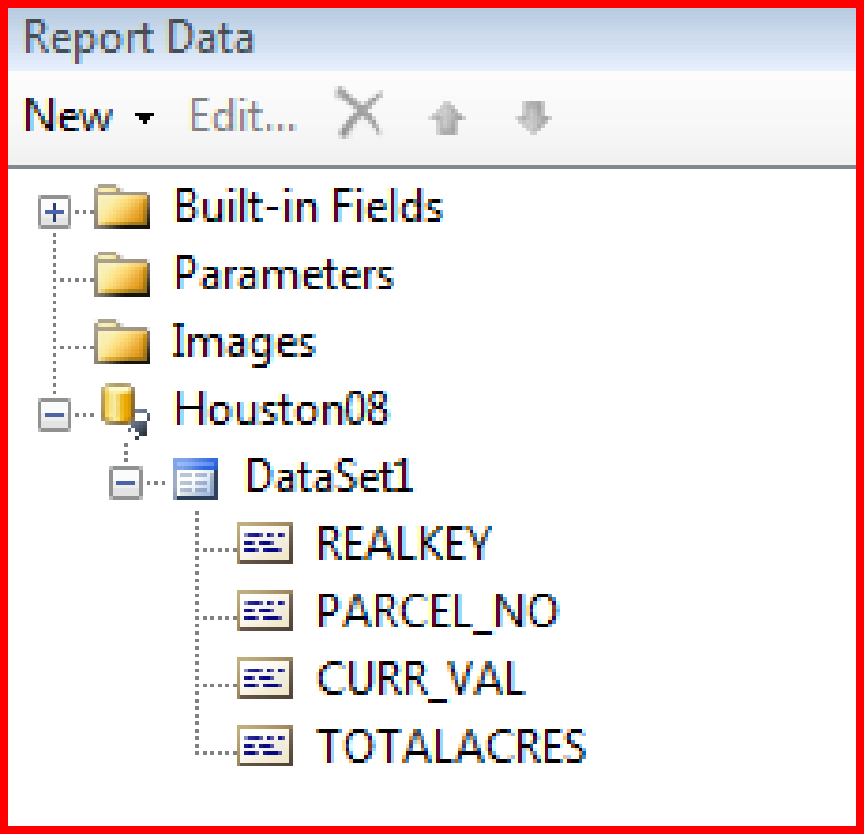
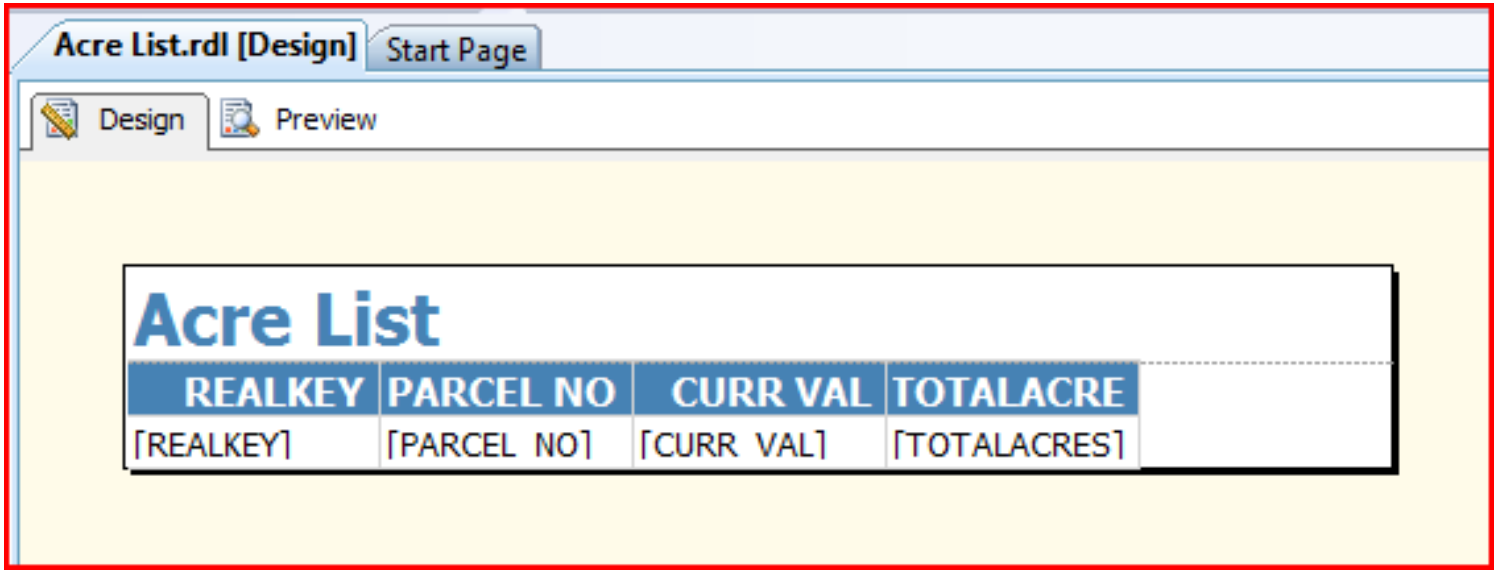
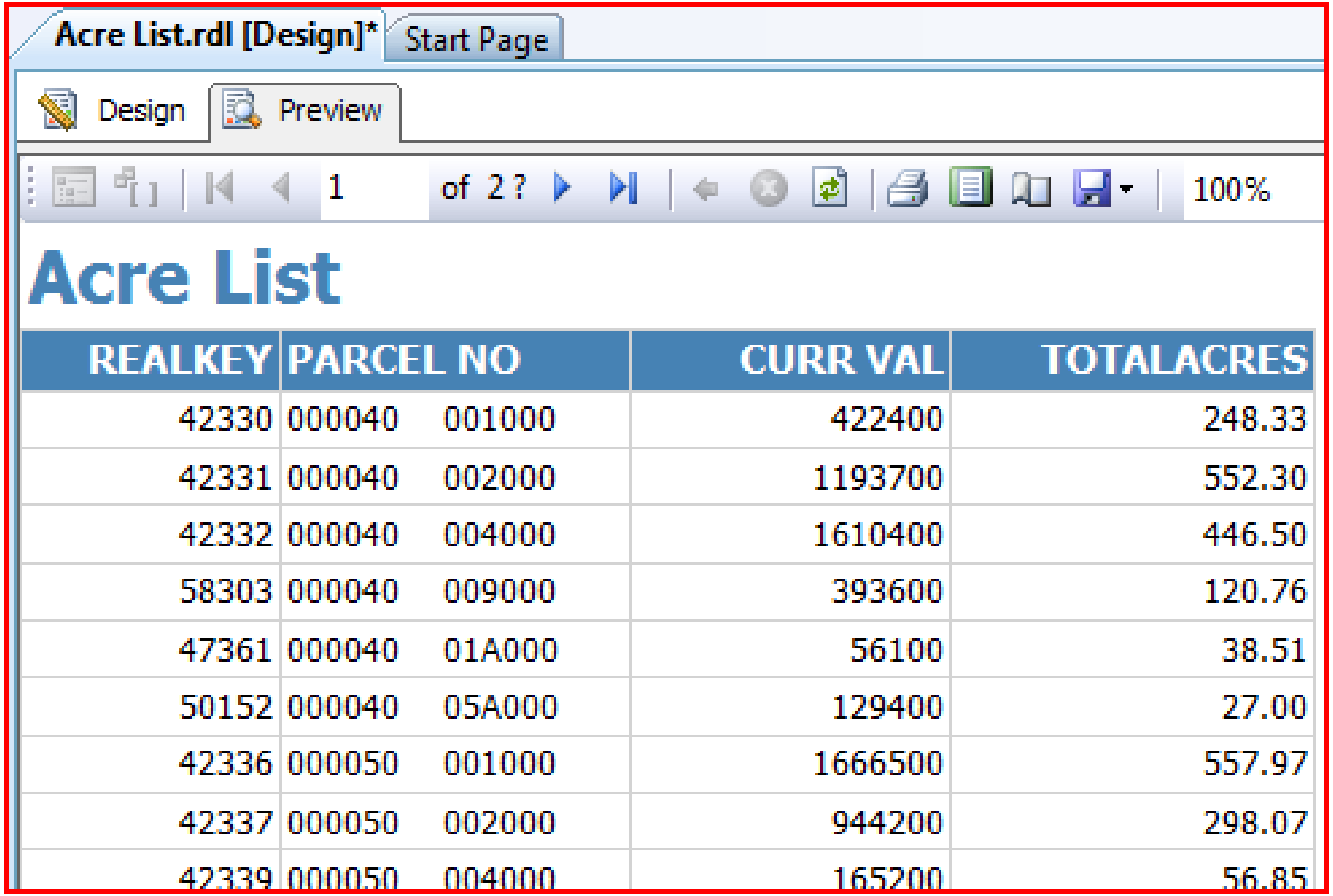
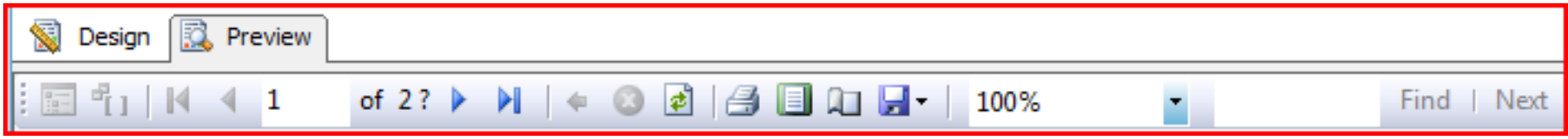

Report Data
New
Edit...
Built-in Fields
Parameters
Images
Houston08
DataSet1
REALKEY
PARCEL_NO
CURR_VAL
TOTALACRES

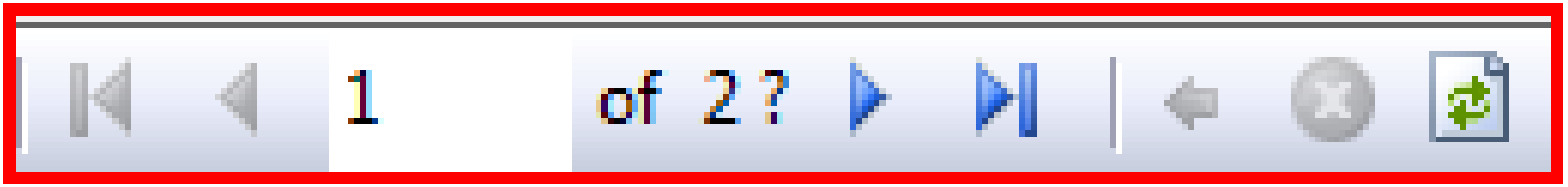

Acre List.rdl [Design]
Start Page
Design
Preview
Acre List
REALKEY
PARCEL NO
CURR VAL
TOTALACRE
[REALKEY]
[PARCEL_NO]
[CURR_VAL]
[TOTALACRES]


Acre List.rdl [Design]*
Start Page
Design
Preview
1
of 2 ?
100%
Acre List
REALKEY PARCEL NO CURR VAL TOTALACRES
42330 000040 001000 422400 248.33
42331 000040 002000 1193700 552.30
42332 000040 004000 1610400 446.50
58303 000040 009000 393600 120.76
47361 000040 01A000 56100 38.51
50152 000040 05A000 129400 27.00
42336 000050 001000 1666500 557.97
42337 000050 002000 944200 298.07
42339 000050 004000 165200 56.85

Preview Tools

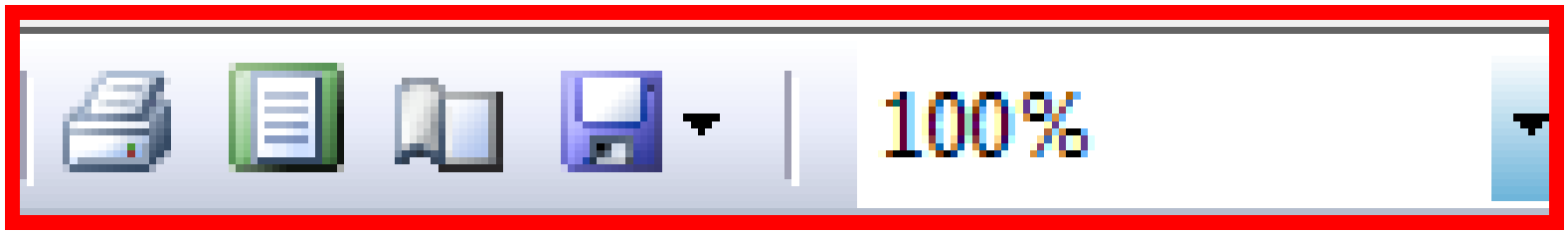


Preview Tools



- Traditional Navigation buttons
  - Top, previous page, next page, last page
  - Go To Page by entering in the page number where the ‘1’ is shown
- Other buttons
  - Back to parent report (advanced)
  - Stop Rendering
  - Refresh

Preview Tools



- Print
- Print Layout
- Page Setup
- Export Options
- Zoom

Preview Tools

- Find Text within the report simply by typing your desired text and click find/next

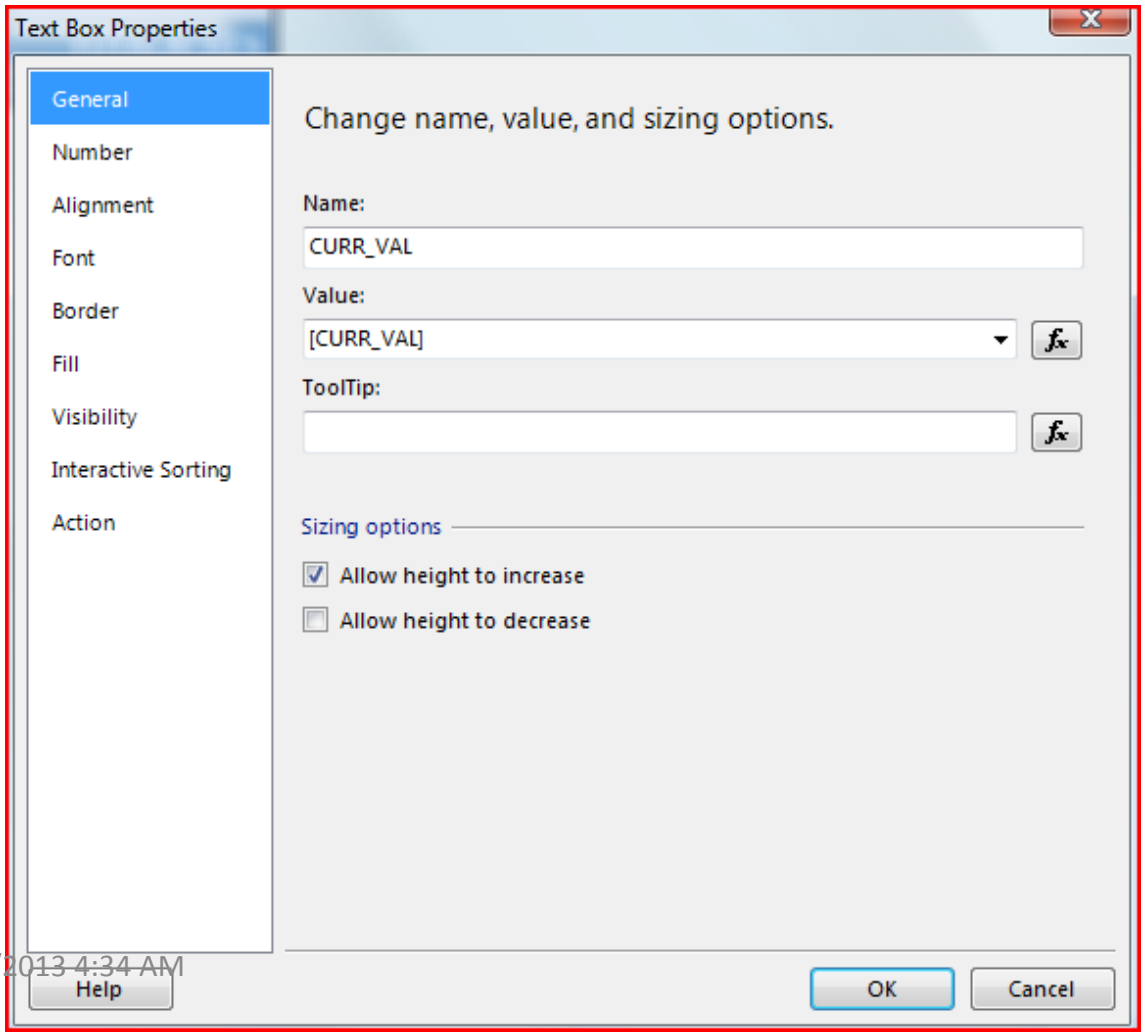
Export Options

- XML file with report data
- CSV (comma delimited)
- TIFF file
- Acrobat (PDF) file
- MHTML (MIME HTML: web archive)
- Excel
- Word

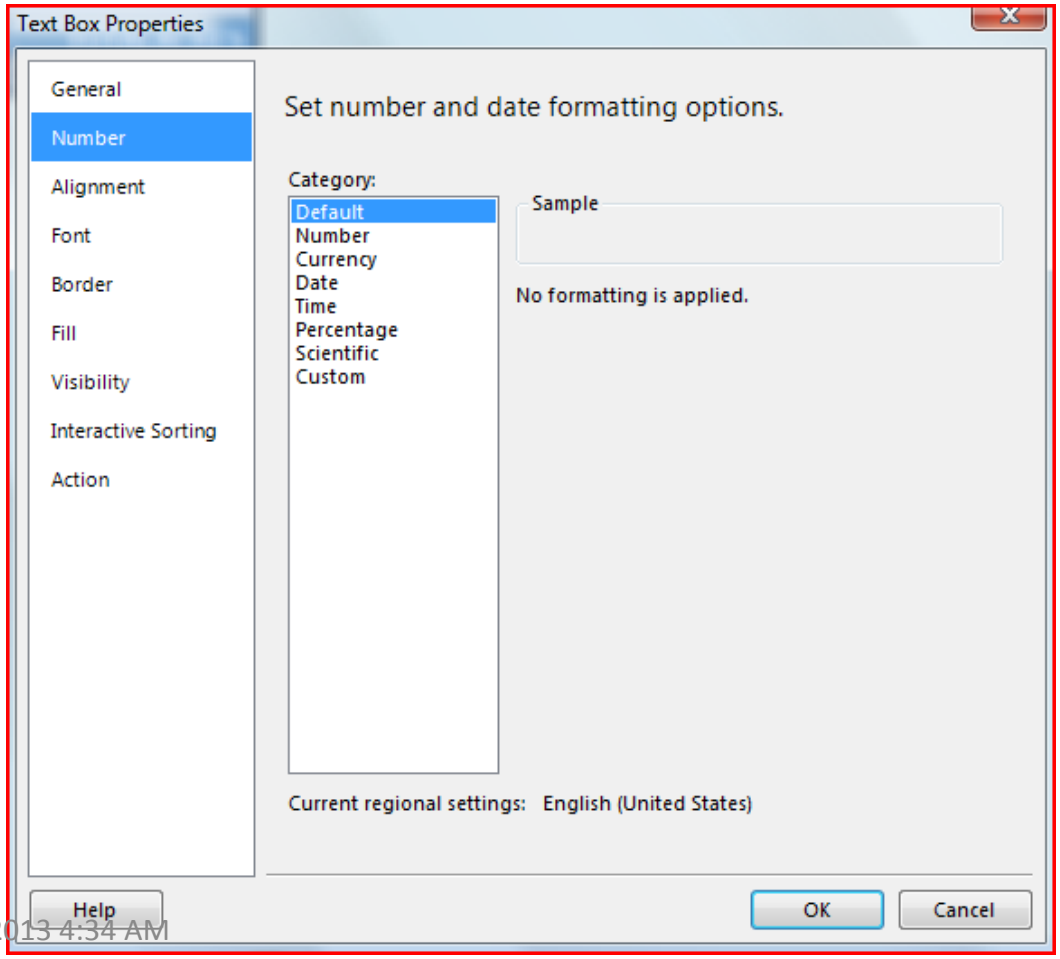
Customize Output

- Users can control the output with custom settings for each column
- Right click on field and select Text Box Properties

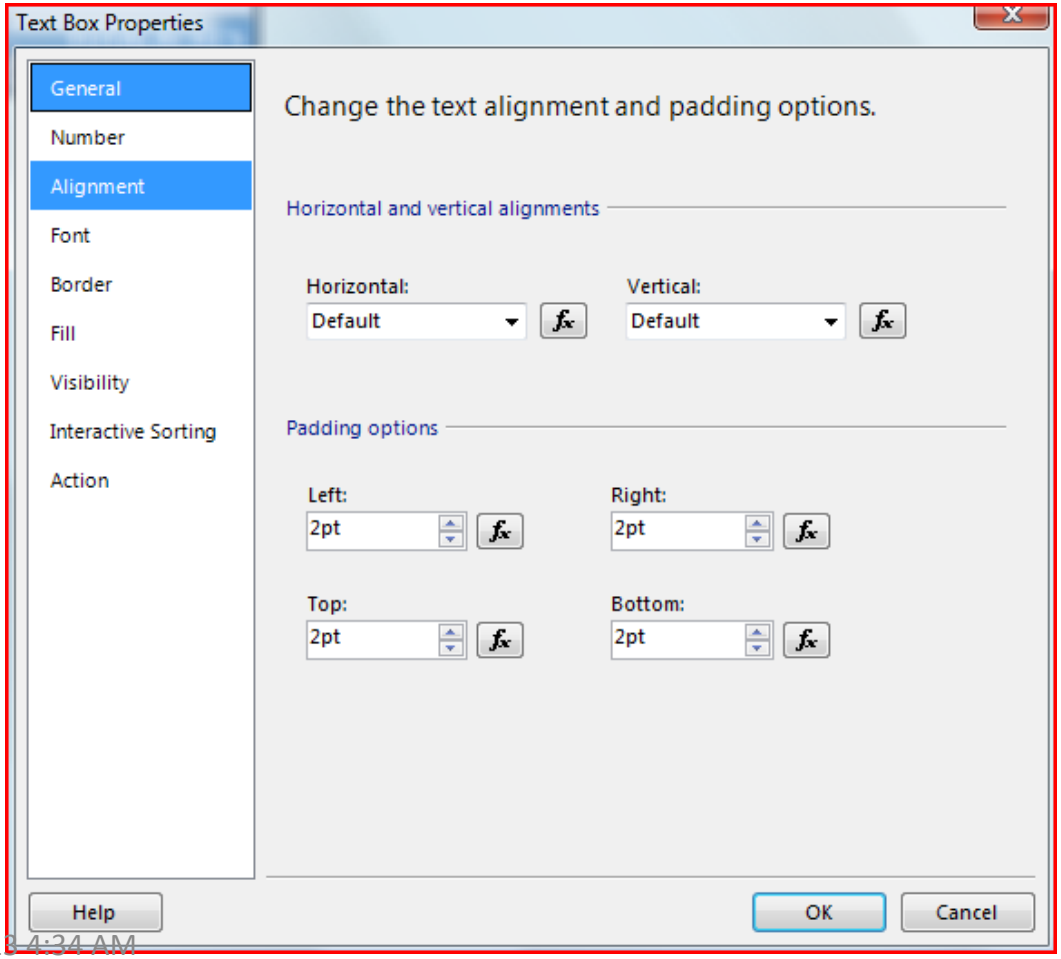
Text Box Properties



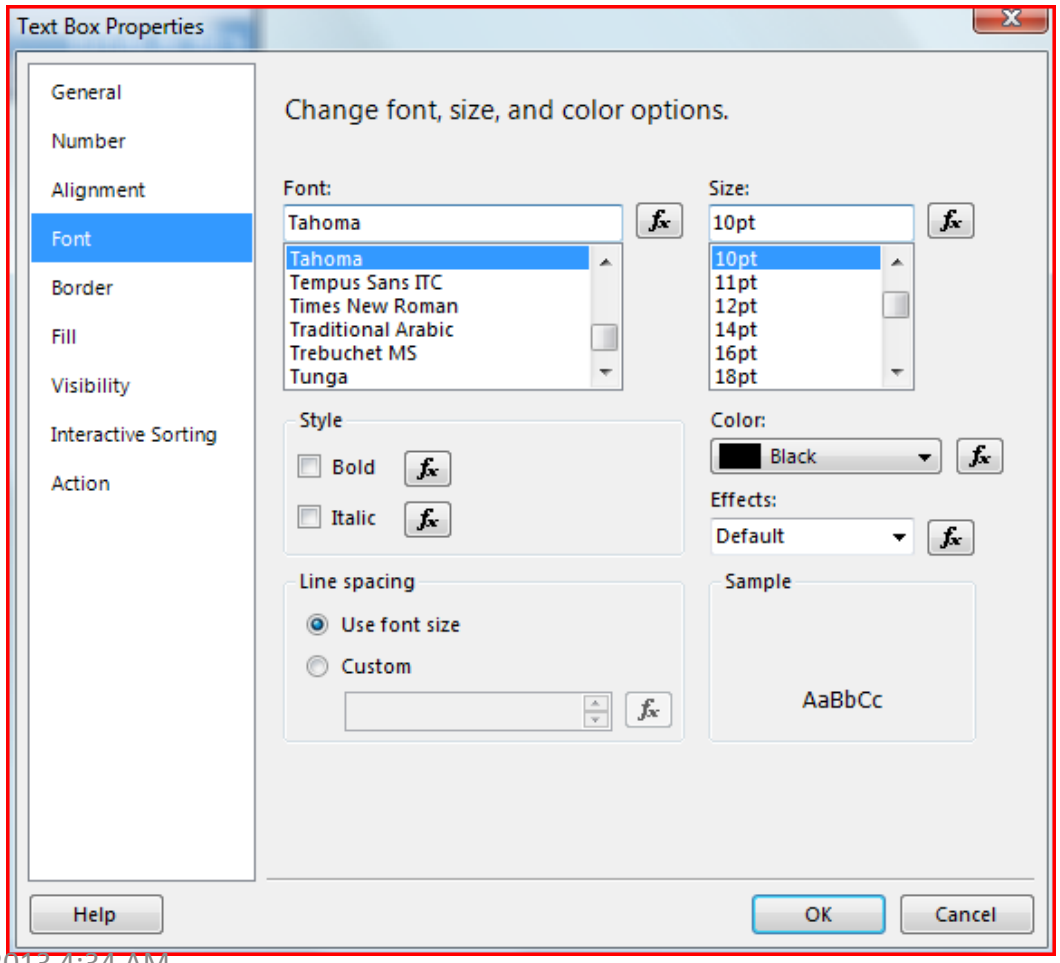
Text Box Properties



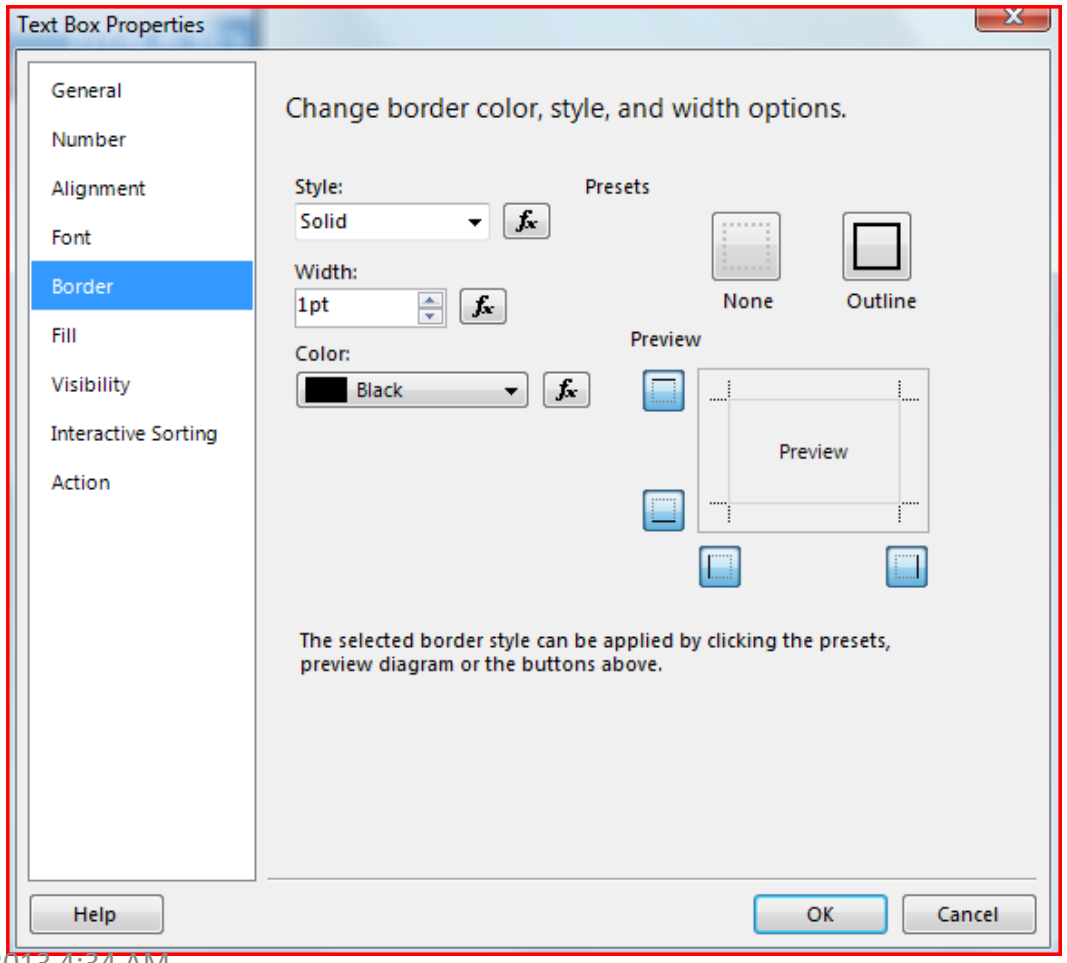
Text Box Properties



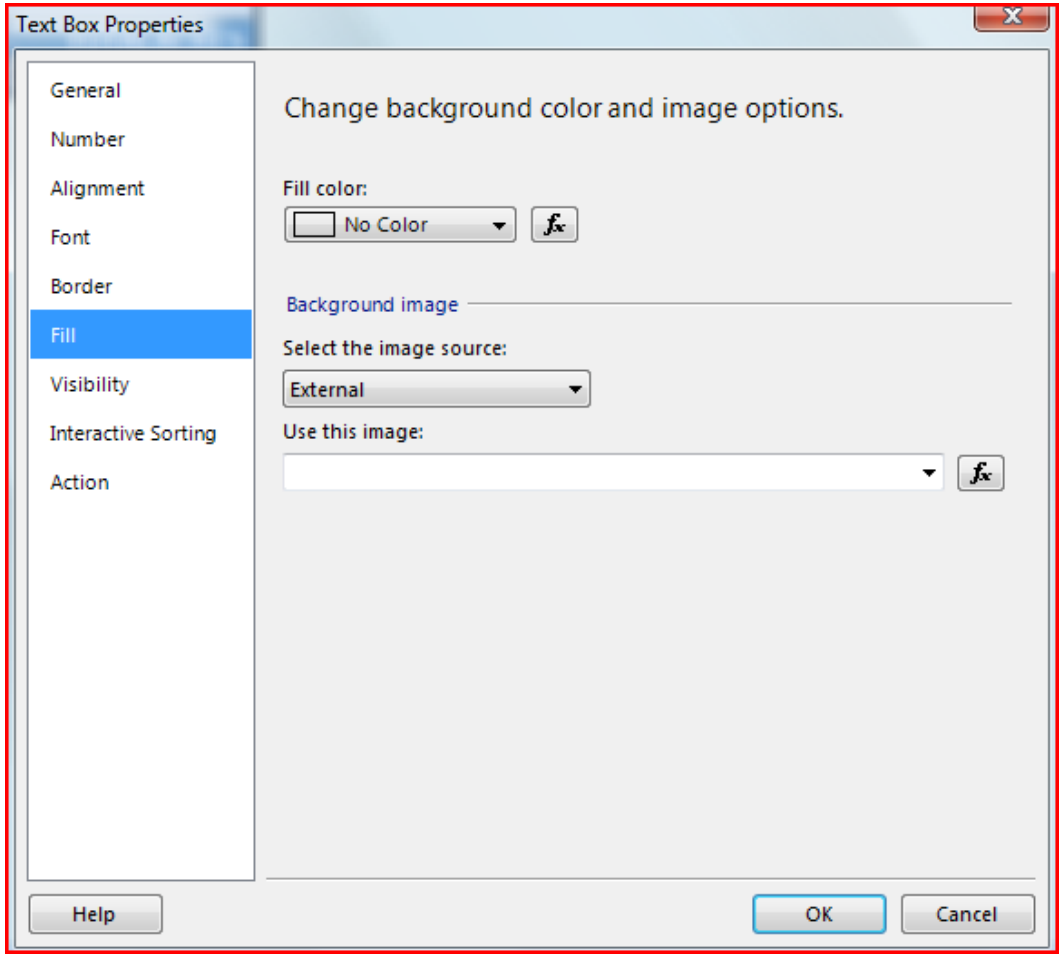
Text Box Properties



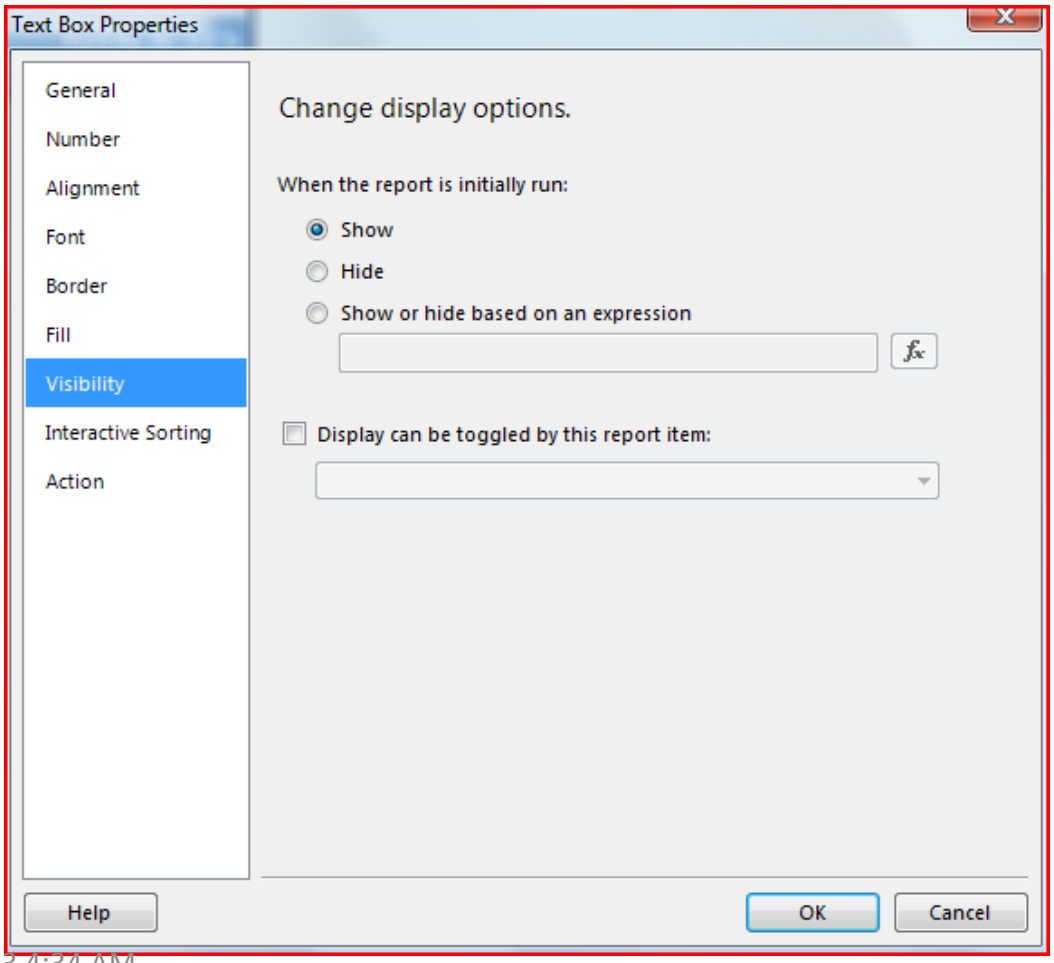
Text Box Properties



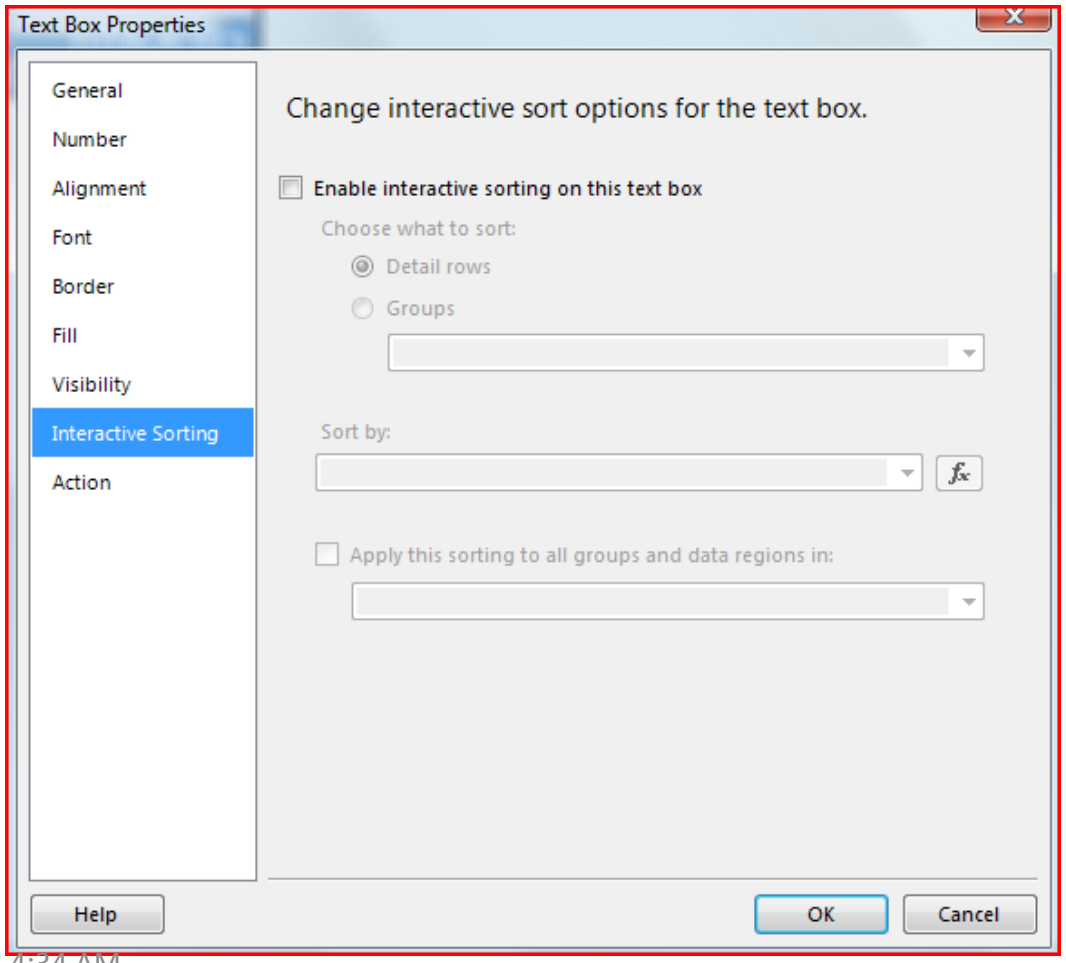
Text Box Properties



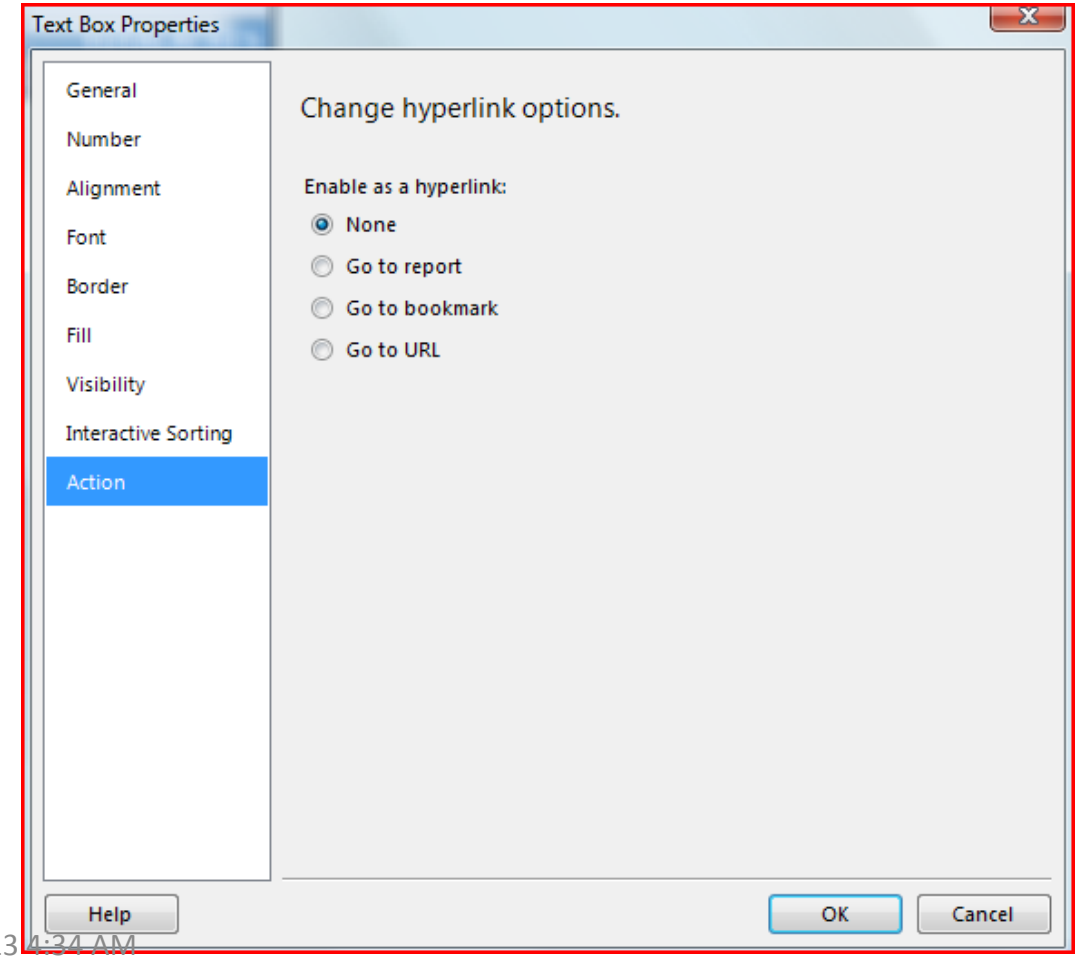
Text Box Properties



Text Box Properties



Text Box Properties



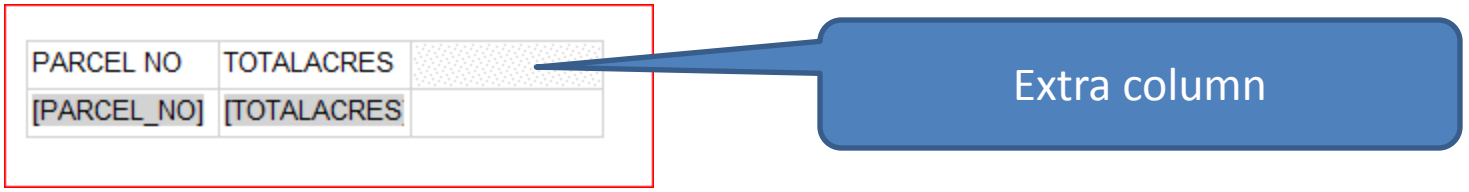
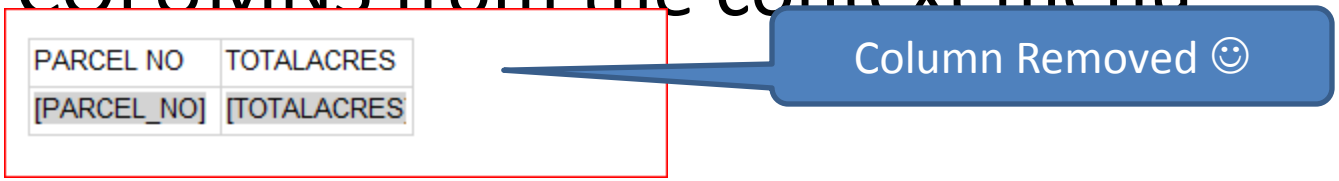
Report Formatting

- For ease of formatting we should turn on the report format toolbar
- From the RS menu select:
  - VIEW > TOOLBARS > REPORT FORMATTING

- From this toolbar it is very easy to format font style, font size, font colors, background colors, font alignment, etc

Report Layout

- Our report has an ‘extra’ column



- We can delete that column by right-clicking the column header and selecting DELETE COLUMNS from the context menu