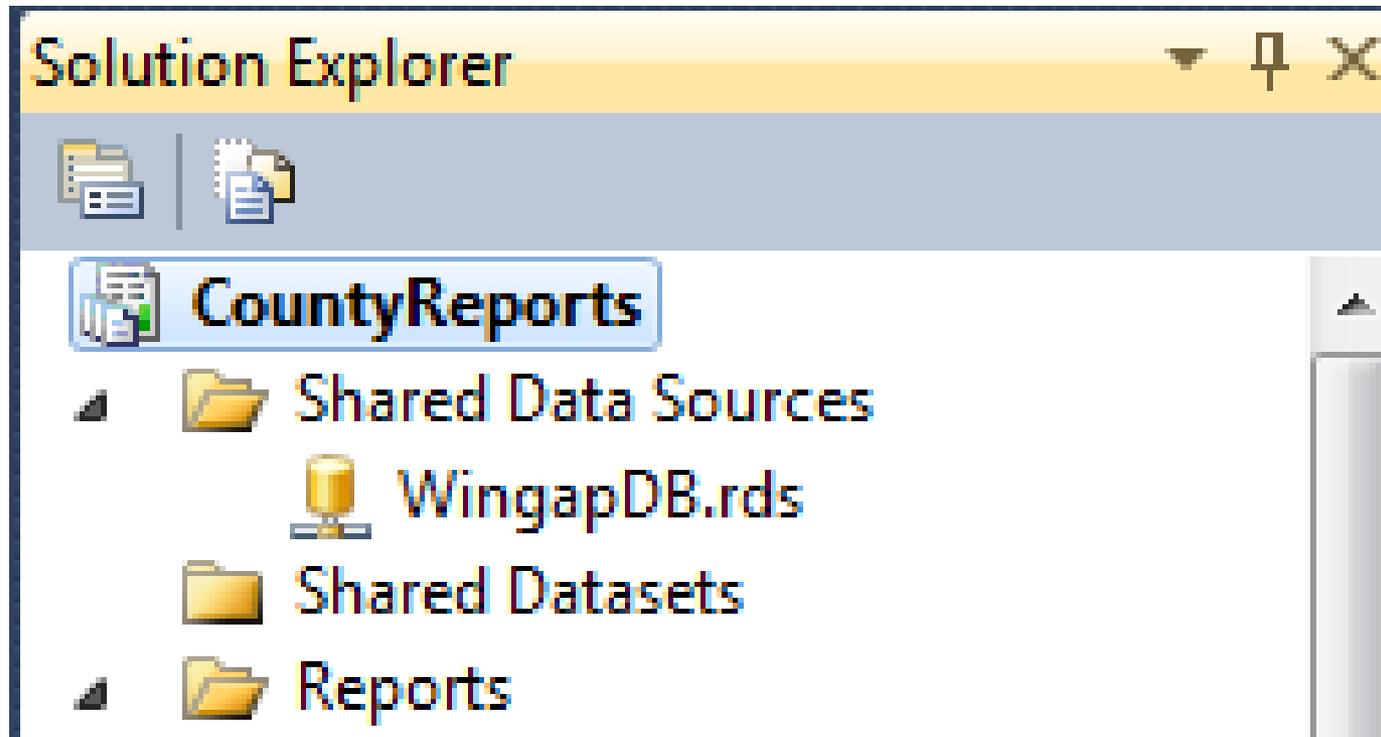


Quick Intro to SSRS for New WINGAP SQL users

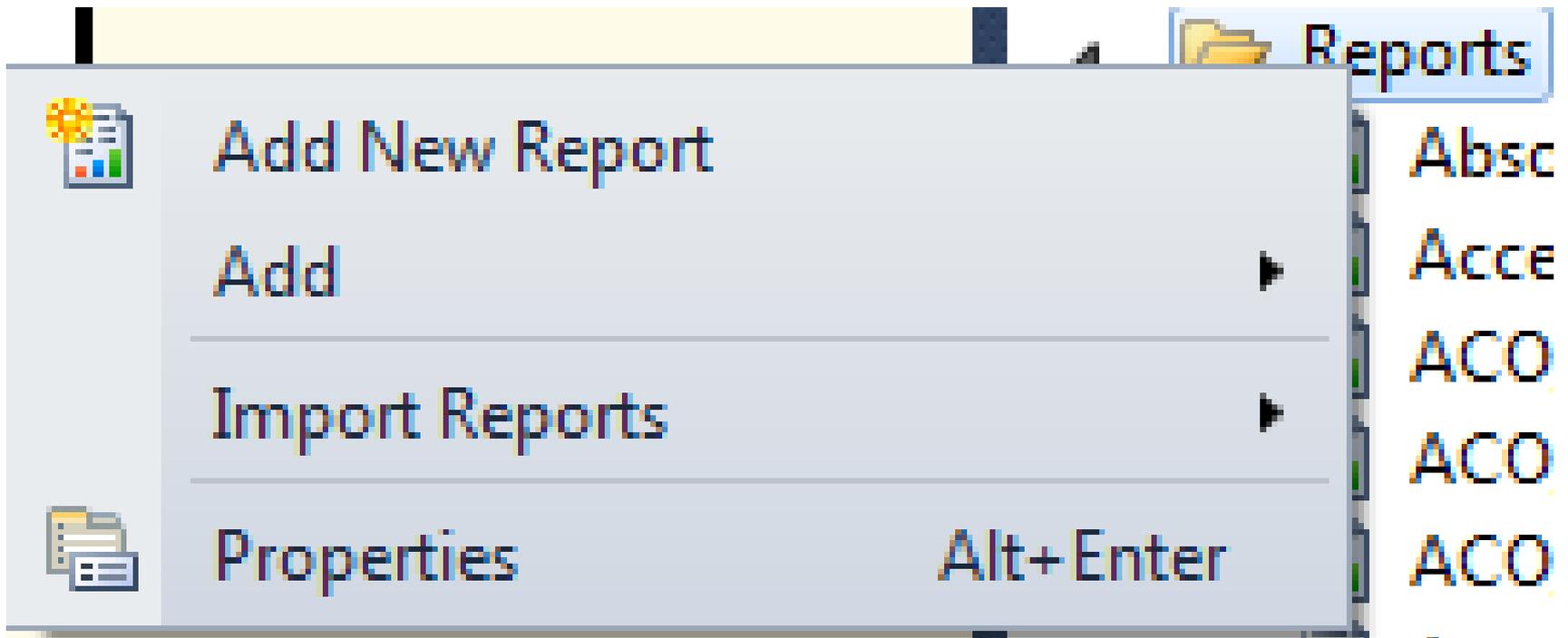
Start the Report Wizard

- In the SOLUTION EXPLORER Window:

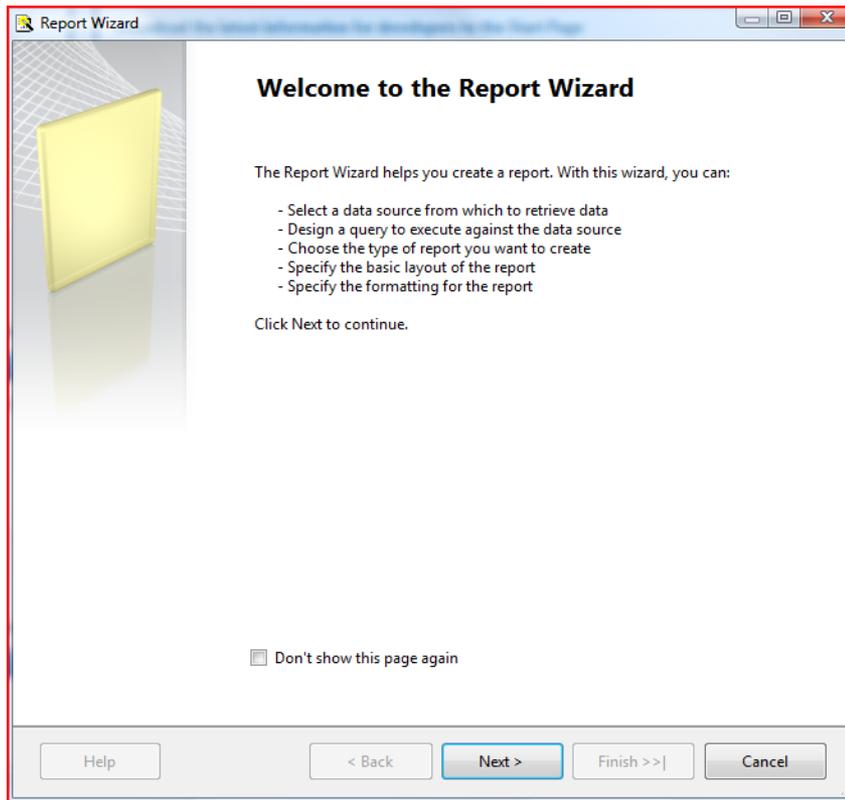


Start the Report Wizard

- 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

The screenshot shows the 'Report Wizard' dialog box with the title 'Select the Data Source'. The instruction reads: 'Select a data source from which to obtain data for this report or create a new data source.' There are two radio buttons: 'Shared data source' (unselected) and 'New data source' (selected). Under 'New data source', there is a 'Name:' field containing 'DataSource1', a 'Type:' dropdown menu set to 'Microsoft SQL Server', and a 'Connection string:' text area. To the right of the text area are 'Edit...' and 'Credentials...' buttons. At the bottom left is a 'Make this a shared data source' checkbox. At the bottom of the dialog are 'Help', '< Back', 'Next >', 'Finish >>|', and 'Cancel' buttons.

- Select a data source

Select Data Source

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

Shared data source

New Data Source

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

New data source

Name:
Houston08

Type:
Microsoft SQL Server

Connection string:

Make this a shared data source

Edit...

Credentials...

Connection Properties

Connection Properties

Data source:
Microsoft SQL Server (SqlClient) Change...

Server name:
Refresh

Log on to the server

Use Windows Authentication
 Use SQL Server Authentication

User name:
Password:
 Save my password

Connect to a database

Select or enter a database name:

Attach a database file:
 Browse...

Logical name:

Advanced...

Test Connection OK Cancel

- 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

Data source:

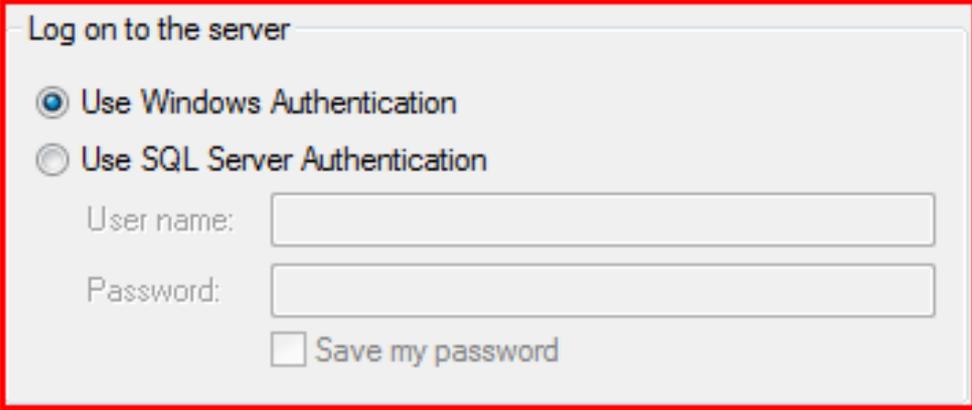
Microsoft SQL Server (SqlClient)

Server name:

atthomas-pc\sqlexpress

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



Log on to the server

Use Windows Authentication

Use SQL Server Authentication

User name:

Password:

Save my password

Connection to a database

Connect to a database

Select or enter a database name:

Attach a database file:

Logical name:

- 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

Connect to a database

Select or enter a database name:

Attach a database file:

Logical name:

Back to Select data source screen

Select the Data Source
Select a data source from which to obtain data for this report or create a new data source.

Shared data source

New data source

Name:
Houston08

Type:
Microsoft SQL Server

Connection string:
Data Source=ATTHOMAS-PC\SQLEXPRESS;Initial Catalog=HOUSTON

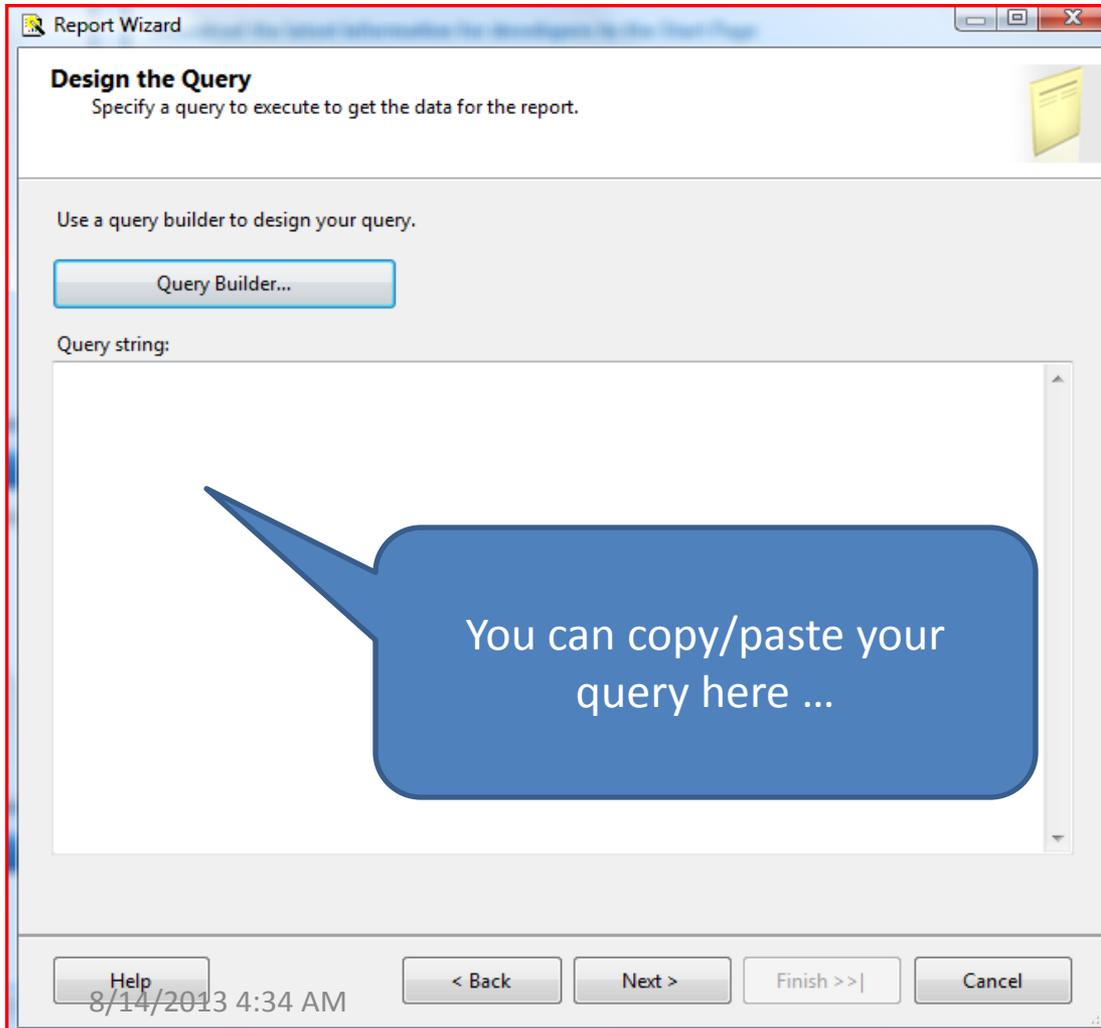
Make this a shared data source

Buttons: Edit..., Credentials..., Help, < Back, Next >, Finish >>, Cancel

Callout: Check this box to make this data source shared for future use.

Design the Query

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

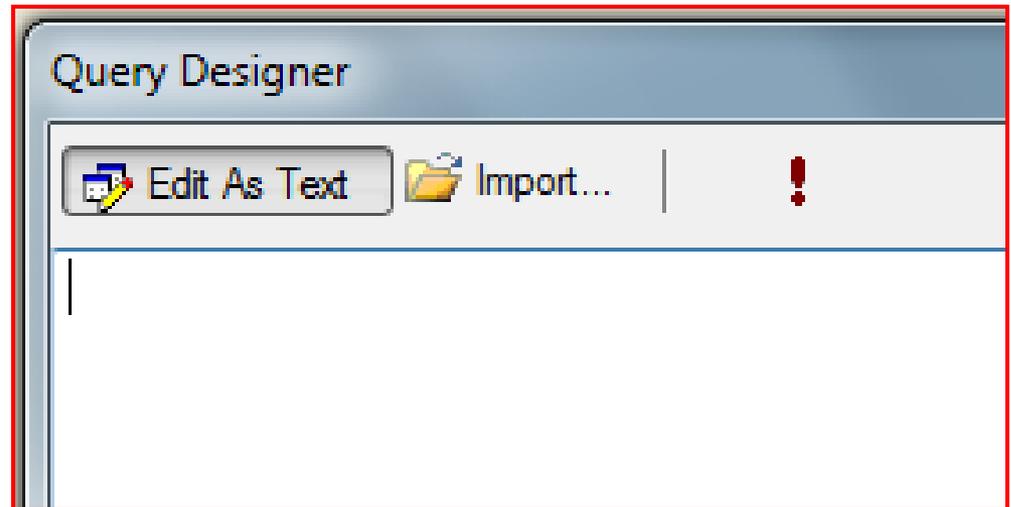


Data Set: Query Building

- 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





Right click to add tables

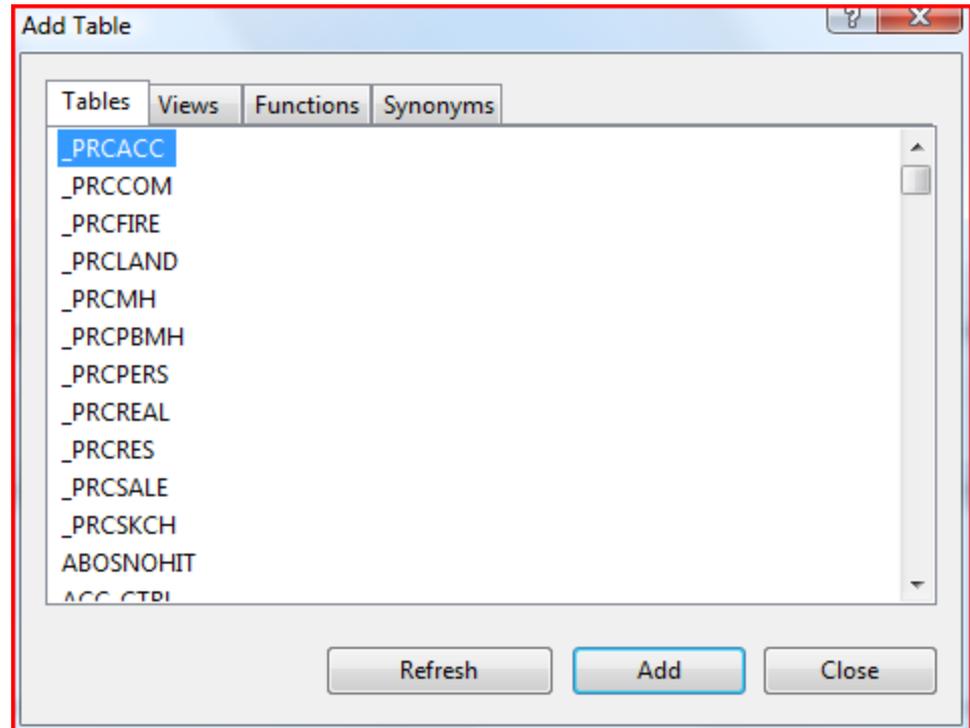
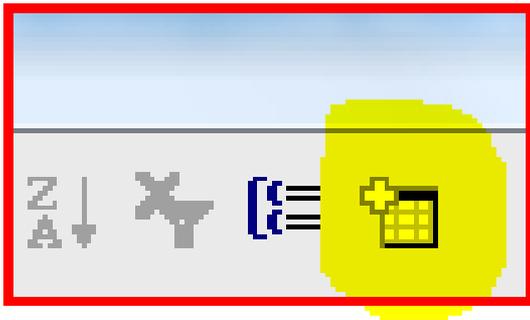
Or click toolbar button to add tables

	Column	Alias	Table	Outp...	Sort Type	Sort Order	Filter	Or...	Or...
▶				■					
				■					
				■					

```
SELECT  
FROM
```

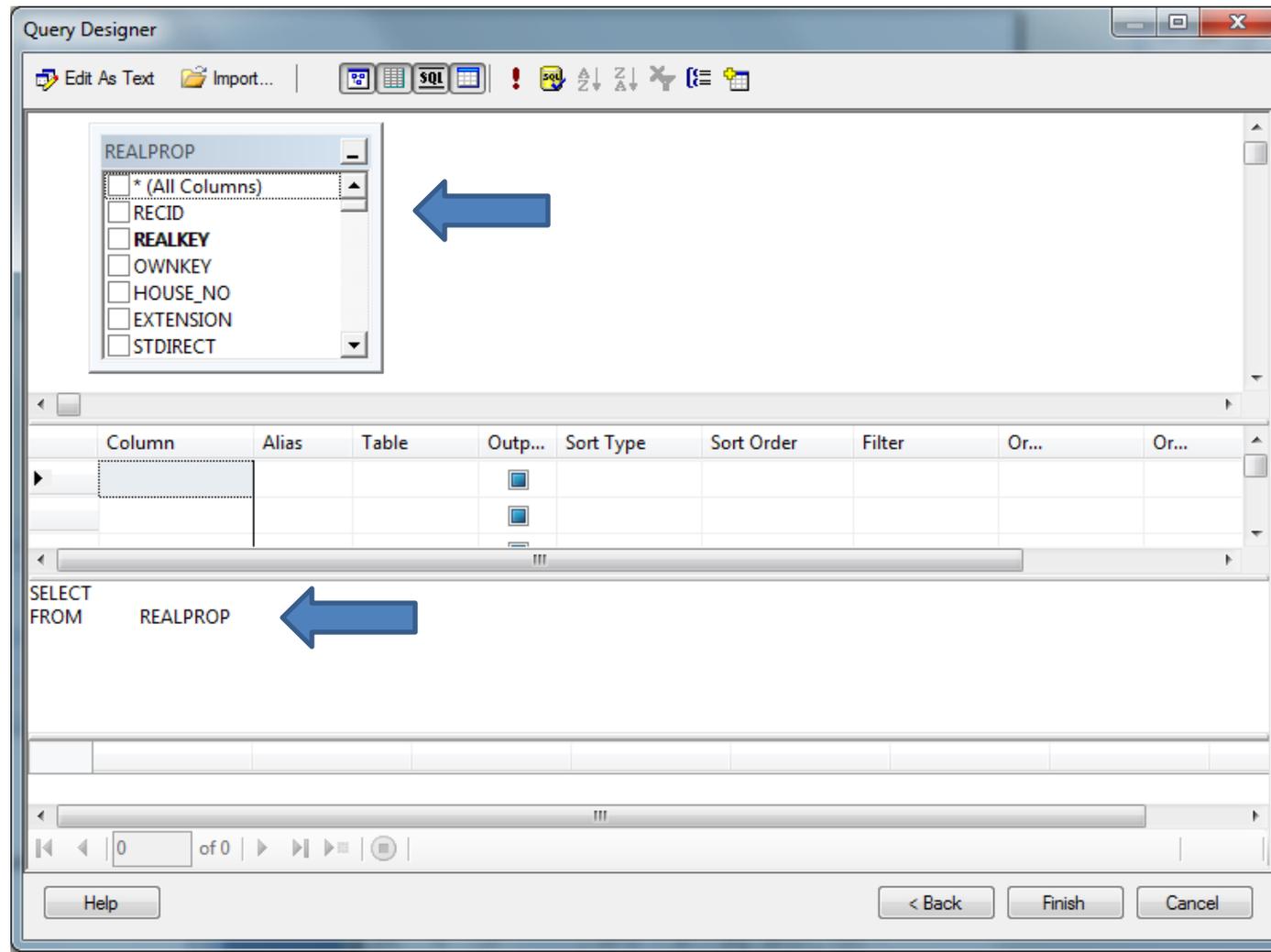
Query Designer

- Add Table Button



Data Set: Graphical Query Building

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



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	<input checked="" type="checkbox"/>			
TOTALACRES		REALPROP	<input checked="" type="checkbox"/>			

... they appear here ...

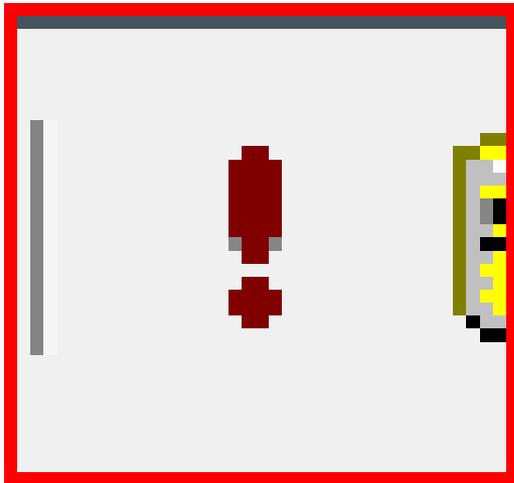
```
SELECT PARCEL_NO, TOTALACRES  
FROM REALPROP
```

... and here ... sexy!

RS is building the t-sql statement for you

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





- 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	<input checked="" type="checkbox"/>					
TOTALACRES		REALPROP	<input checked="" type="checkbox"/>					

```
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

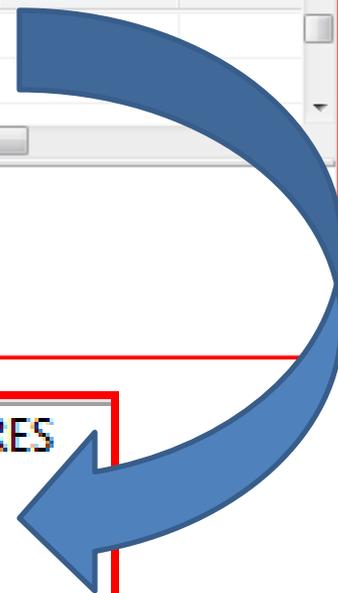
1 of 55296 Retrieving Data ...

Query Designer

- Select Fields
- Select Sort orders

	Column	Alias	Table	Outp...	Sort Type	Sort Order	Filter	Or...	Or...	
▶	PARCEL_NO		REALPROP	<input checked="" type="checkbox"/>		1				
	CURR_VAL		REALPROP	<input checked="" type="checkbox"/>						
	TOTALACRES		REALPROP	<input type="checkbox"/>						

SELECT REALKEY, PARCEL_NO, CURR_VAL, TOTALACRES
FROM REALPROP

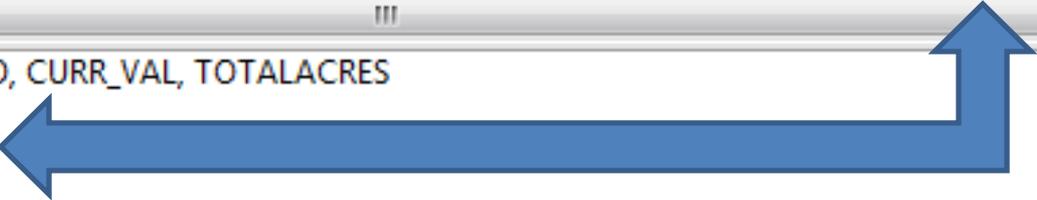


```
SELECT REALKEY, PARCEL_NO, CURR_VAL, TOTALACRES  
FROM REALPROP  
ORDER BY PARCEL_NO
```

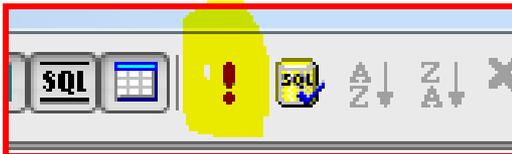
Select Filter Conditions

	Column	Alias	Table	Outp...	Sort Type	Sort Order	Filter
	CURR_VAL		REALPROP	<input checked="" type="checkbox"/>			
▶	TOTALACRES		REALPROP	<input checked="" type="checkbox"/>			> 25


```
SELECT REALKEY, PARCEL_NO, CURR_VAL, TOTALACRES
FROM REALPROP
WHERE (TOTALACRES > 25)
ORDER BY PARCEL_NO
```



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
	50152	000040 05A00...	120400	27.00

◀◀ | 1 | of 1035 | ▶▶▶▶ | ◻

Design the Query

Specify a query to execute to get the data for the report.



Use a query builder to design your query.

Query Builder...

Query string:

```
SELECT REALKEY, PARCEL_NO, CURR_VAL, TOTALACRES
FROM REALPROP
WHERE (TOTALACRES > 25)
ORDER BY PARCEL_NO
```

Help

< Back

Next >

Finish >>|

Cancel

Choose how to arrange the data

Report Wizard - Design the Table

Choose how to group the data in the table.

Available fields:

- REALKEY
- PARCEL_NO
- CURR_VAL
- TOTALACRES

Displayed fields:

Page>

Group>

Details>

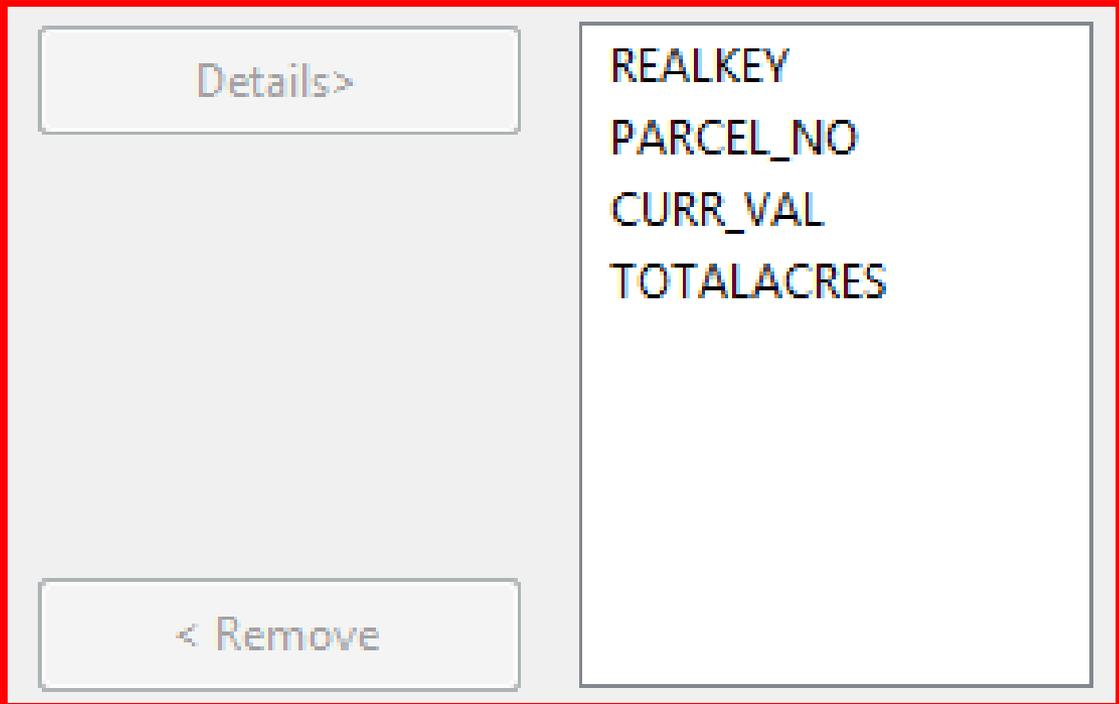
< Remove

XXXX
XXXX
XXXX
XXXX
XXXX
XXXX
XXXX
XXXX
XXXX
XXXX

< Back Next > Finish >>| Cancel

How to arrange the data

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



The image shows a screenshot of a report layout. On the left side, there is a button labeled "Details>". On the right side, there is a list of fields: REALKEY, PARCEL_NO, CURR_VAL, and TOTALACRES. At the bottom left, there is a button labeled "< Remove". The entire content is enclosed in a red border.

Report Style

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

The image displays six distinct report styles, each enclosed in a red border. Each style consists of a header section and a data table. The header section contains the text 'XXXXXX' in a large, bold font, followed by 'xxxx' in a smaller font. The data table is a 3x5 grid of cells, each containing 'XXXXX'. The styles are defined by their color schemes: light blue, green, dark blue, dark red, light blue, and white.

XXXXXX				
xxxx				
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX

XXXXXX				
xxxx				
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX

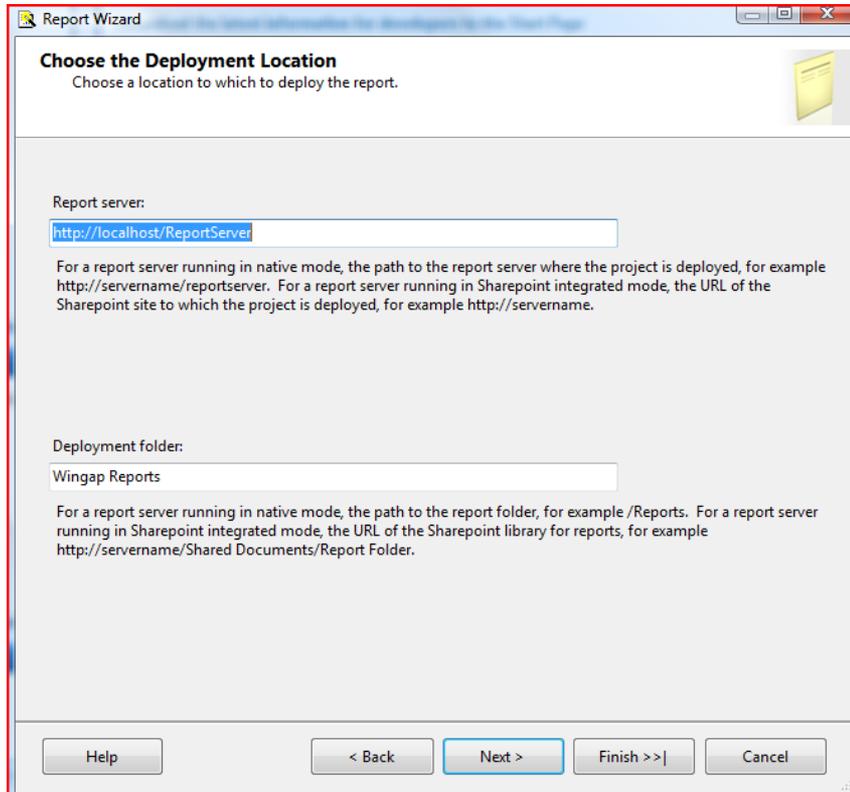
XXXXXX				
xxxx				
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX

XXXXXX				
xxxx				
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX

XXXXXX				
xxxx				
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX

XXXXXX				
xxxx				
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX	XXXXX	XXXXX	XXXXX	XXXXX

Deployment Settings



The screenshot shows a Windows dialog box titled "Report Wizard" with the subtitle "Choose the Deployment Location". The main instruction is "Choose a location to which to deploy the report." There are two input fields: "Report server:" with the value "http://localhost/ReportServer" and "Deployment folder:" with the value "Wingap Reports". Below each field is explanatory text. At the bottom, there are four buttons: "Help", "< Back", "Next >", and "Cancel".

Report Wizard
Choose the Deployment Location
Choose a location to which to deploy the report.

Report server:

For a report server running in native mode, the path to the report server where the project is deployed, for example http://servername/reports. For a report server running in Sharepoint integrated mode, the URL of the Sharepoint site to which the project is deployed, for example http://servername.

Deployment folder:

For a report server running in native mode, the path to the report folder, for example /Reports. For a report server running in Sharepoint integrated mode, the URL of the Sharepoint library for reports, for example http://servername/Shared Documents/Report Folder.

Help < Back Next > Finish >> | Cancel

- 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:

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

Wingap Reports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Format Report Tools Window Help

Debug

Report Data

Acre List.rdl [Design] Start Page

Design Preview

Acre List

REALKEY	PARCEL_NO	CURR_VAL	TOTALACRE
[REALKEY]	[PARCEL_NO]	[CURR_VAL]	[TOTALACRES]

Row Groups: (table1_Details_Group)

Column Groups:

Properties

Report

- Code
- Data Only
 - DataElementName
 - DataElementStyle: Attribute
 - DataSchema
 - DataTransform
- General
 - Author
 - Description
 - Width: 360pt
- Localization
 - DescriptionLocID
 - Language: en-US
- Other
 - AutoRefresh: 0
 - ConsumeContainerWhitespace: True
 - CustomProperties
- Page
 - BackgroundColor: Automatic
 - BackgroundImage
 - BorderColor: Black
 - BorderStyle: None
 - BorderWidth: 1pt
 - Columns
 - InteractiveSize: 8.5in, 11in
 - Margins: 1in, 1in, 1in, 1in
 - PageSize: 8.5in, 11in
- References
 - Assemblies
 - Classes
- Variables
 - DeferVariableEvaluation: False
 - Variables

Assemblies

Specifies the assemblies that the report references.

Output

Show output from:

8/14/2013 4:34 AM

Error List

Creating project 'Wingap Reports'... project creation successful.

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]



Design



Preview



1

of 2 ?

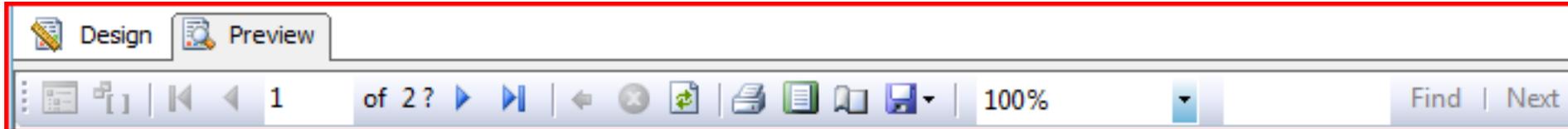


100%

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

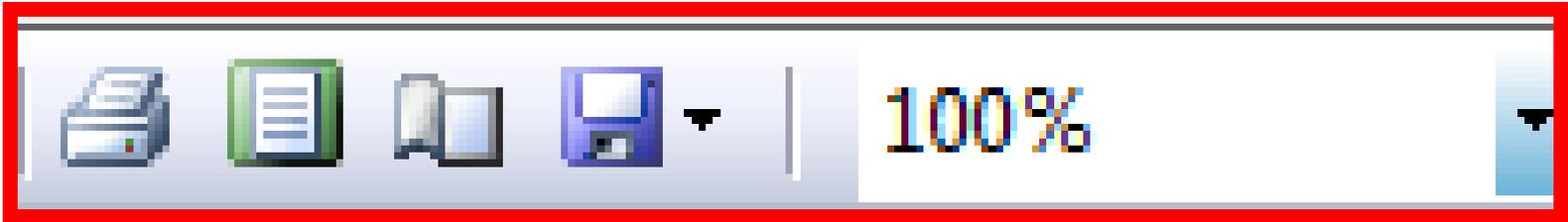


Preview Tools



- 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

General

Number

Alignment

Font

Border

Fill

Visibility

Interactive Sorting

Action

Change name, value, and sizing options.

Name:
CURR_VAL

Value:
[CURR_VAL] 

ToolTip:


Sizing options

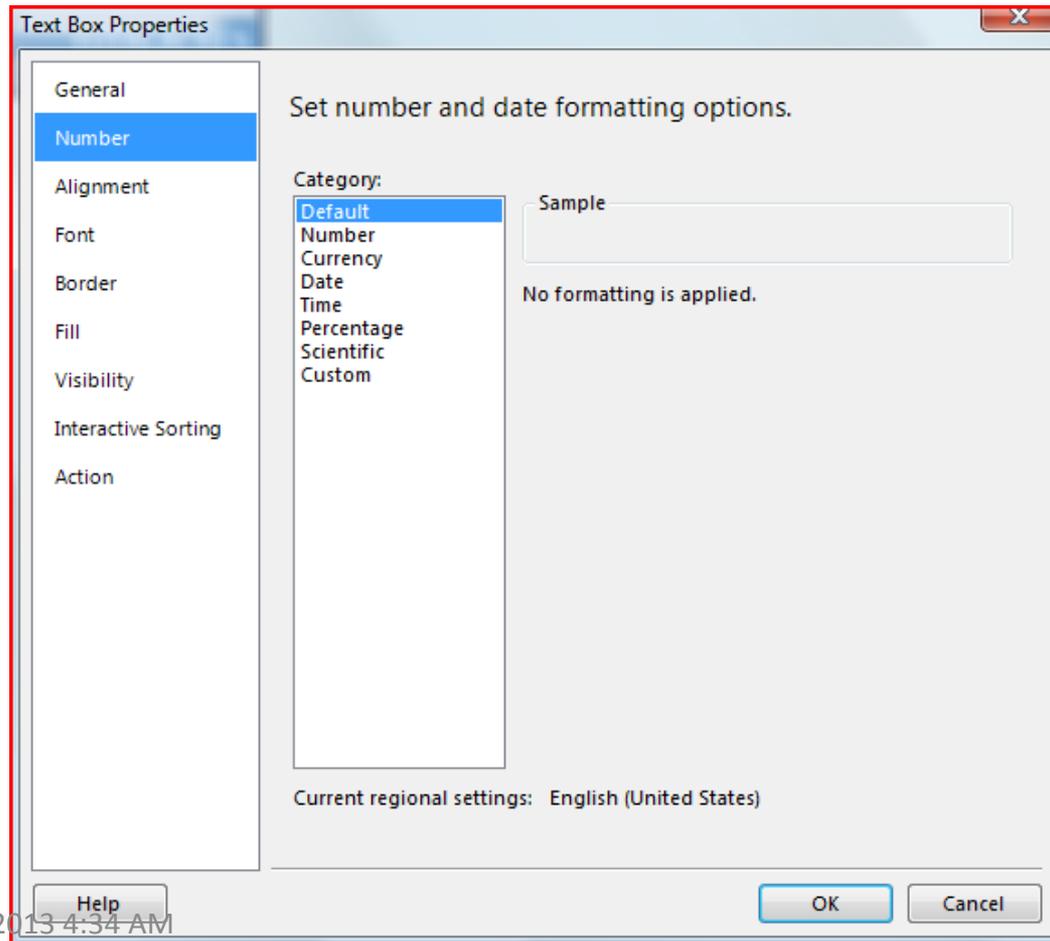
Allow height to increase

Allow height to decrease

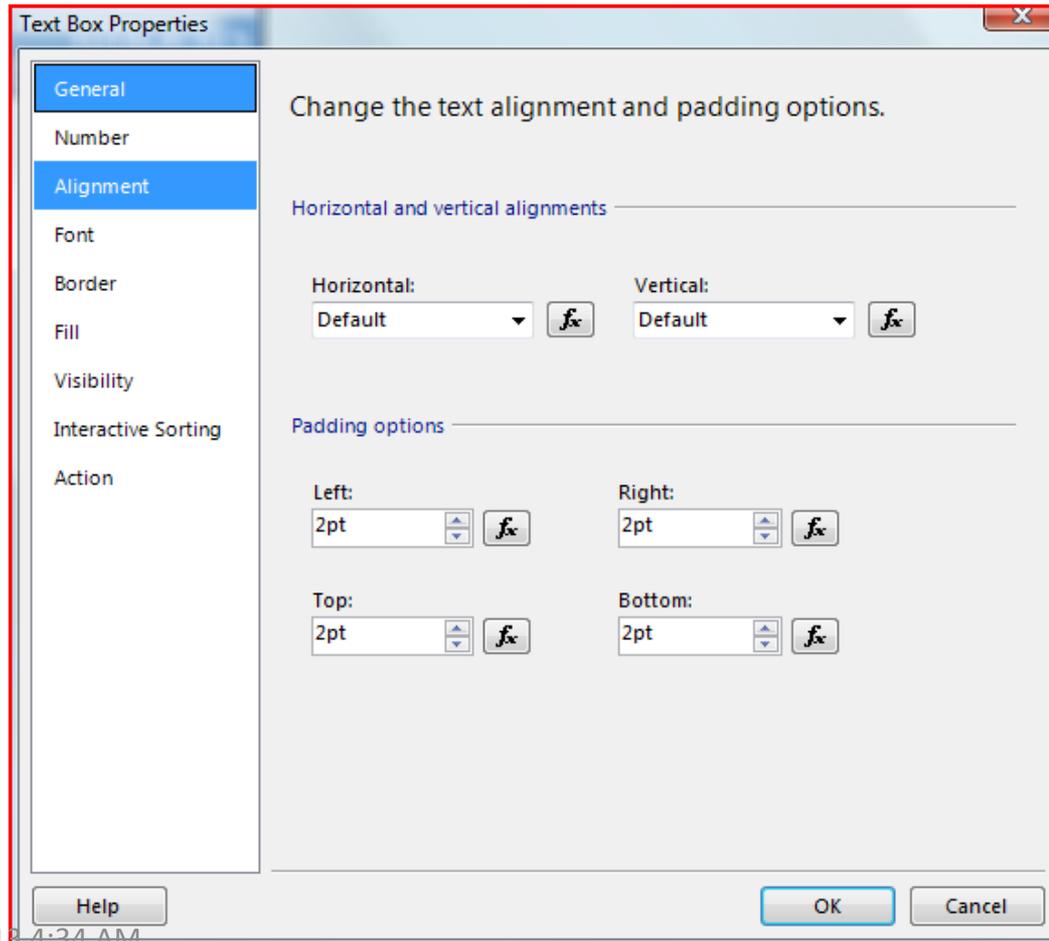
OK Cancel

Help

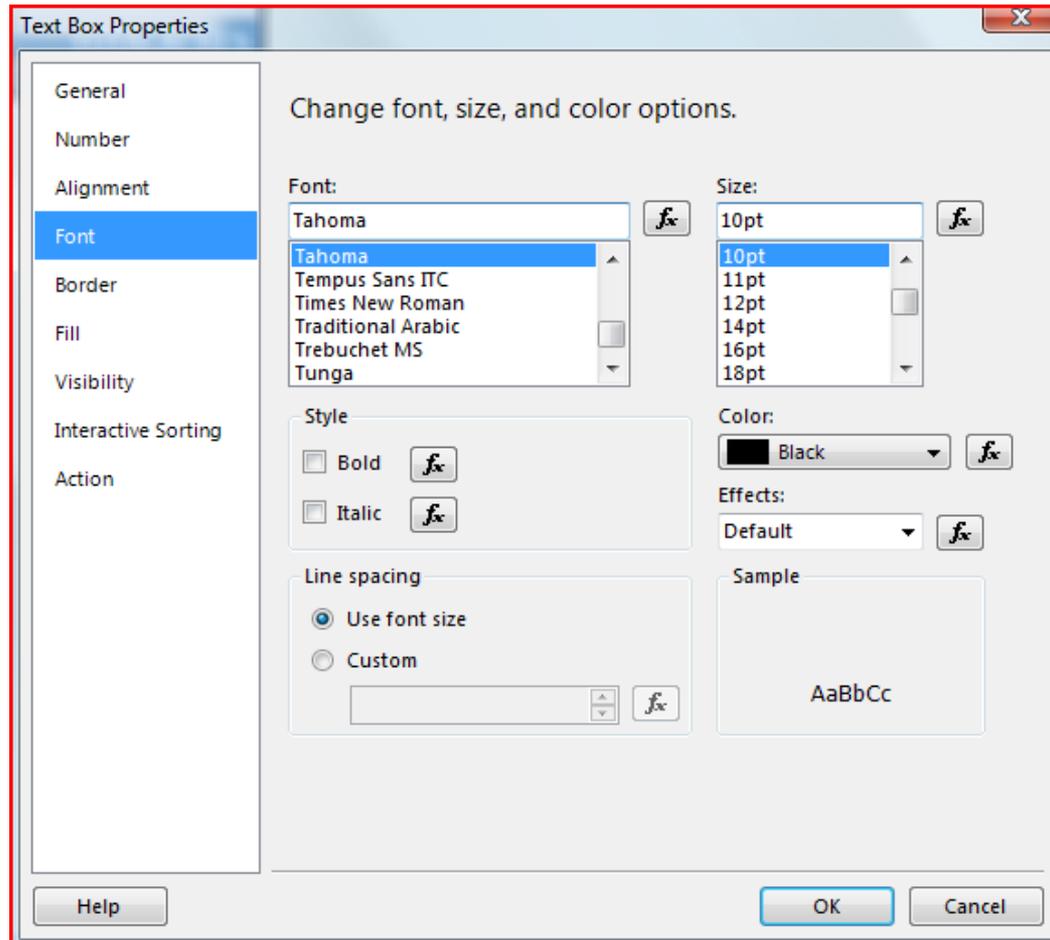
Text Box Properties



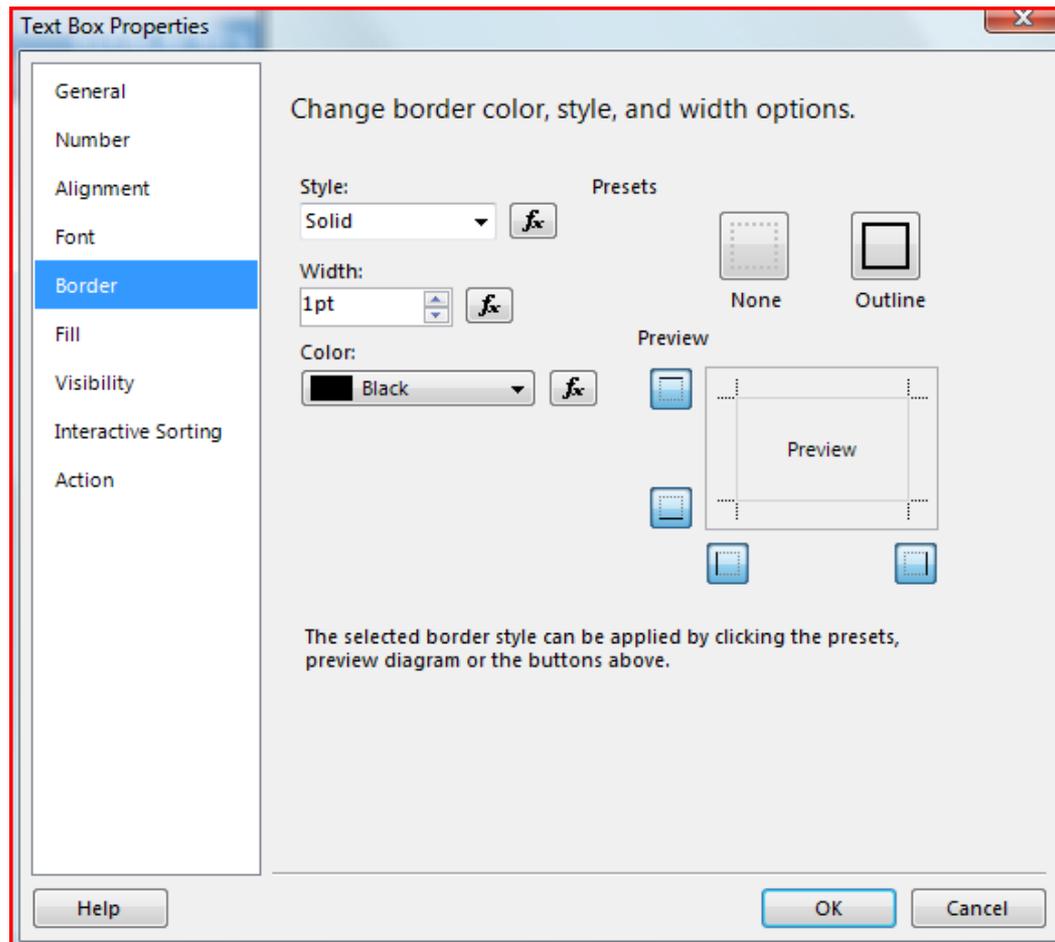
Text Box Properties



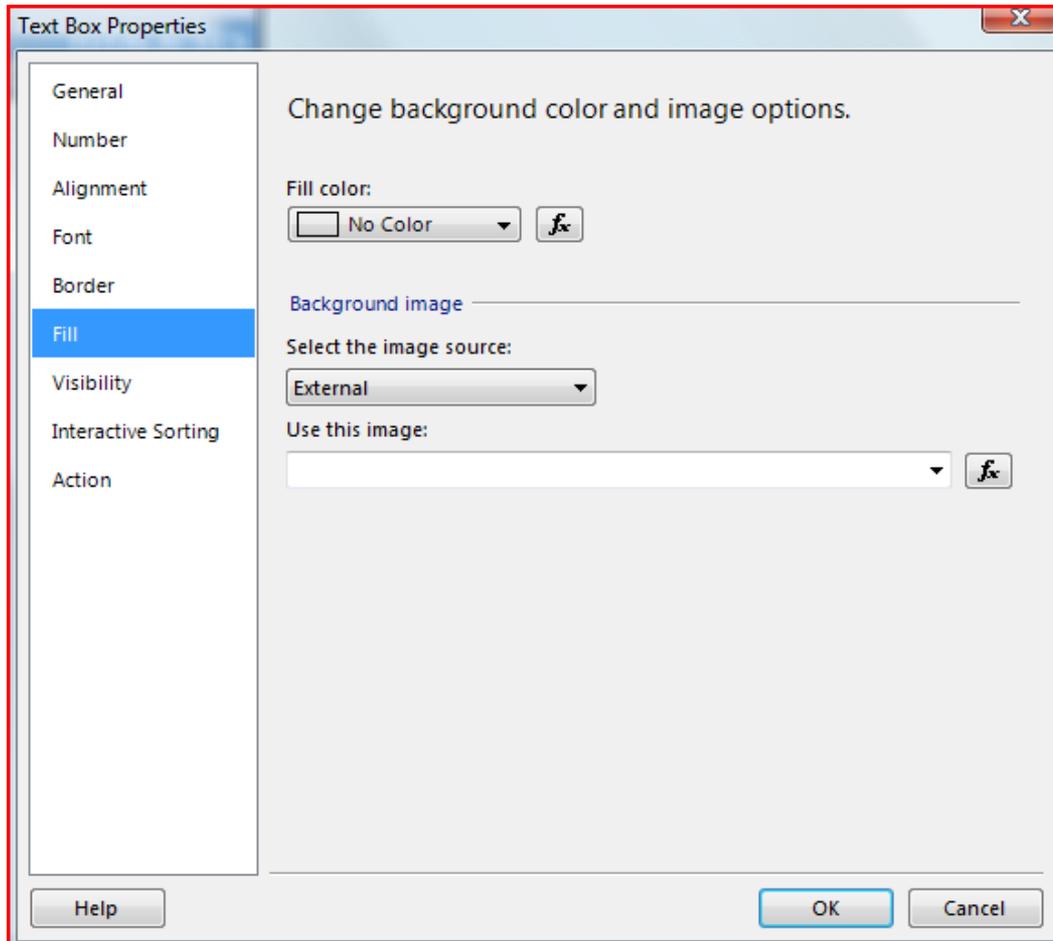
Text Box Properties



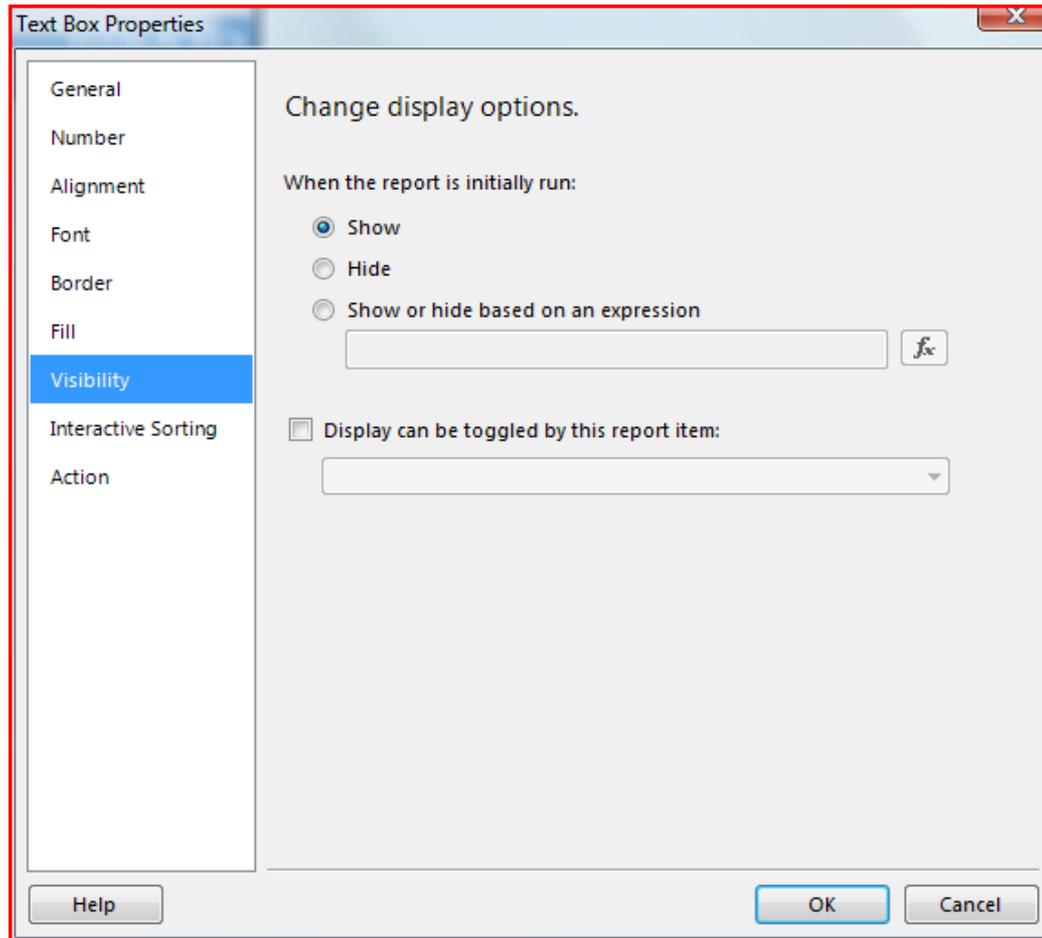
Text Box Properties



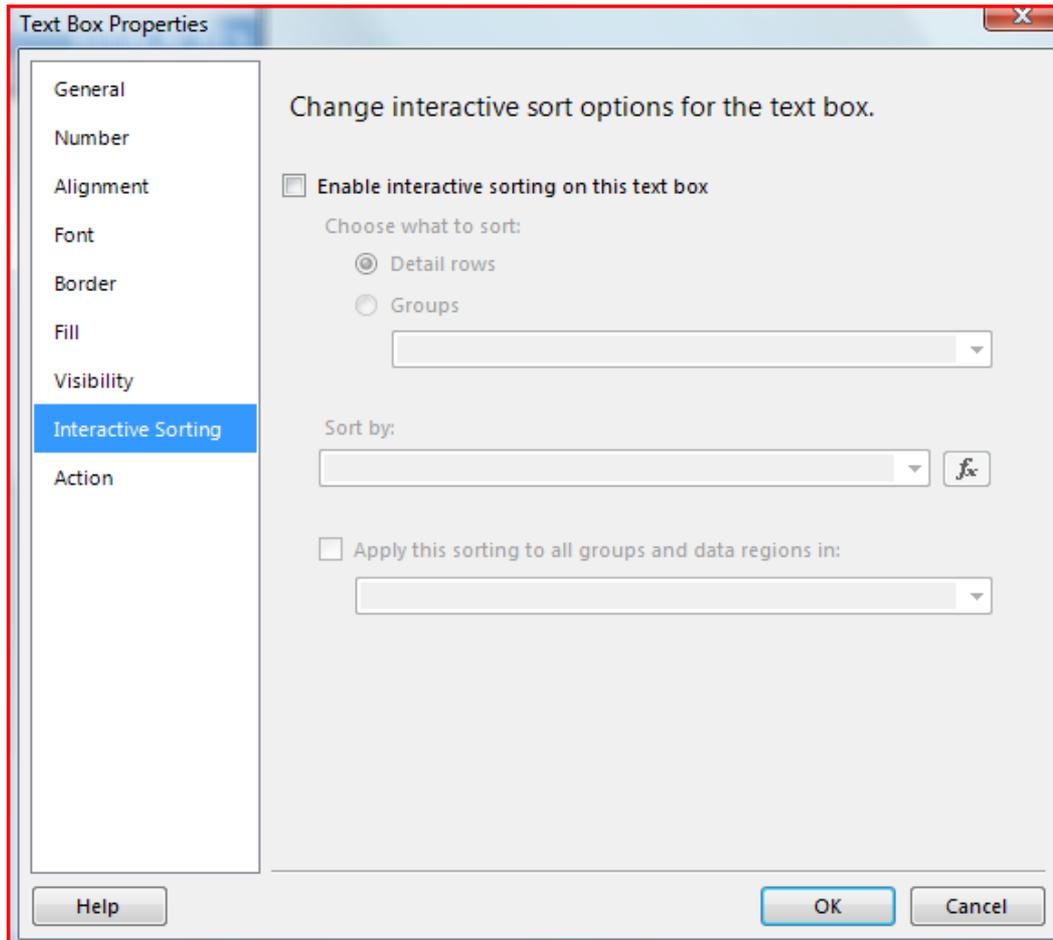
Text Box Properties



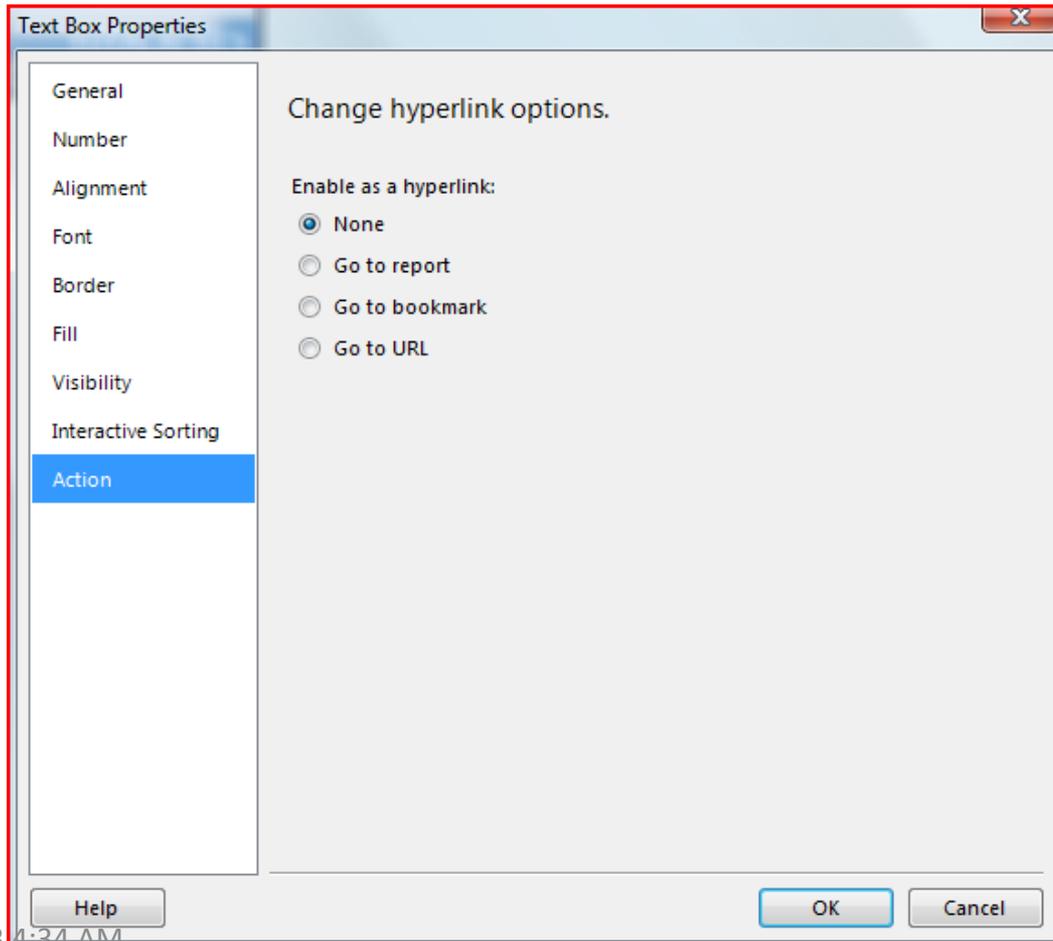
Text Box Properties



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

PARCEL NO	TOTALACRES	
[PARCEL_NO]	[TOTALACRES]	

Extra column

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

PARCEL NO	TOTALACRES
[PARCEL_NO]	[TOTALACRES]

Column Removed 😊