#### **Report Parts**

There is a good preliminary documentation on building Report Parts in MSDN:

Publishing Report Parts in Report Builder 3.0 - http://msdn.microsoft.com/en-us/library/ee633670%28v=SQL.105%29.aspx

### The Good

As per the MSDN documentation, it's good to know that the following items can now be "reused" across different reports:

- Charts
- Gauges
- Images
- Maps
- Parameters
- Rectangles
- Tables
- Matrices
- Lists

# The Not-So-Good-Yet

It seems very limiting to me, though, that Report Parts can only be created/published from Report Builder 3.0. As someone who works almost 100% using BIDS, I think having to switch tools to just be able to publish a report part will definitely affect my report writing momentum. And by switching tools I mean, creating the report in BIDS, deploying to the Report Server, navigating to that site, and then editing that report in Report Builder 3.0. That's quite a few extra steps ...

Also, I would have loved to be able to publish a report header and footer as report parts. Unfortunately the current CTP version does not support it.

## **Creating your first Report Part**

For this mini tutorial I am going to assume you have created your report in BIDS 2008.

- 1. Deploy your report to the report server.
- 2. Go to that report. Hover over the report name, and click on the down arrow to reveal the contextual dropdown. Select Edit in Report Builder



3. Once Report Builder opens, go to the Report Builder main button (I think it looks like a scroll), and select Publish Report Parts.



4. In the Publish Report Parts window, select **Review and modify report parts before publishing** (unless you really want to publish all report parts with default settings)

🚮 Publish Report Pa	arts	X
	Publish report parts to the site or server.	
	When you publish report parts to the current report server, you also publish the report parts they depend on, such as datasets and parameters.	
	<ul> <li>Publish all report parts with default settings</li> <li>New report parts will use the default name and folder location.</li> </ul>	
	<ul> <li>Review and modify report parts before publishing.</li> <li>Select which report parts to publish, and edit properties before publishing.</li> </ul>	
Help	Cancel	

5. In the next window, select which Report Parts you want to publish. Put a description too, makes it easier for your Report Builder users to identify report parts later on.

Publish Report P	Parts			_ 🗆
elect report pa	rts to publish			
ou can edit the tit ou publish a repor	tle and description befo rt part without publishi	ore you publish. Publi ing its dataset, the da	shing a dataset creates a shared taset is embedded in the report	dataset. If part.
Report parts	BricoByColorChart			
🗹 🚺 🔺	PricebyColorChart			
		This is a pie chart that color. This was origina Manager.	breaks down prices of our product Ily requested by the Marketing	ts by
Publis	sh as a new copy of the n	eport part		
Report s	erver folder: /Report Pa	rts	Browse	
Last mod	dified: 3/31/2010 10:08:	44 PM	POSEIDON\Administrator	
First pub	olished: 3/31/2010 10:08	8:44 PM	POSEIDON\Administrator	
▼ ►	ProductListTablix			
Datasets				
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esults				
<u>H</u> elp			Publish	<u>C</u> lose

6. When you're done, click on Publish. Note there is no dialog box notifying you that publishing is done. All you get are the green checkmarks beside the report parts you selected, and the message at the bottom of the Publish Report Parts dialog box saying how many report parts were published, and how many failed.

🗟 Publish Report Parts	
Select report parts to publish	
You can edit the title and description before you publish. Publishing a dataset creates a shared dataset. you publish a report part without publishing its dataset, the dataset is embedded in the report part.	If
Report parts	
🗖 🌇 🖌 PriceByColorChart	
This is a pie chart that breaks down prices of our products by color. This was originally requested by the Marketing Manager.	
Publish as a new copy of the report part	
Report server folder: /Report Parts <u>B</u> rowse	
Last modified: 3/31/2010 10:08:44 PM POSEIDON\Administrator	
First published: 3/31/2010 10:08:44 PM POSEIDON\Administrator	
ProductListTablix	
Datasets	
DataSet1	
Results 0 report parts failed to publish, 2 published successfully.	
<u>H</u> elp <u>Publish</u> <u>Close</u>	

7. If this is the first time you published a Report Part, a new Report Part folder will be created in your report server.



8. Inside the Report Part folder are your published report parts. Note that the icon of the report parts give it away – puzzle pieces! Also note that when you hover over a report part and click on the down arrow, you will reveal the contextual menu for a report part (move, delete, security, manage and download).

🖉 Report Parts - Report Manager - Windows Internet Explorer					
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File Edit View Favorites Tools Help					
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SQL Server Reporting Services					
Report Parts				Search	2
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□ Type Name ↓		Description	Last Run Modified Da	ate Modified	Ву
PriceByColorChart	This is a pie chart that breaks down prices of our products by color. This was originally requested by the Marketing Manager.	3/31/2010 1	0:11 PM POSEID	ON\Administrator	
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	Manage				
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Contains commands for working with the selected items.	Contains commands for working with the selected items. $4^{\circ}$ $\star$ $2^{\circ}$ 100% $\star$ //				

That's it! That's how you publish your report parts using Report Builder 3.0! Pretty nifty, eh?

## **Report Part Gallery**

Inside the Report Builder 3.0, you will also see the Report Part Gallery tab, which will list all available Report Parts you can add to your report.

		ProductList	Report - Microsoft SQL Se	rver Report Builder				_ = ×
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		Chart Tit	le	Color 1 Color 2 Color 3 Color 4 Color 5 Color 6	PriceByColor	ProductListT		
Product ID	Name	Color	List Price	Sell Start Date				
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#### **Report Part Updates**

It is also important to note that if any report parts get updated, the reports that use that report part will display a notice when opened in Report Builder. It will tell you that the published report part(s) have been updated on the server.



Once you choose to view changes, you can select which report parts you want to update.

률 Update Report Parts	
Select updates	
The copies of the report parts in this report have been updated on the server. Select the report you would like to update to match the server copy. This will overwrite the report part in this rep	parts that ort.
Name Name	
🗹 👘 🔺 PriceByColorChart	
This is a pie chart that breaks down prices of our products by color. This was originally requested by the Marketing Manager	с.
Last modified: 3/31/2010 10:18 PM POSEIDON\Administrator First published: 3/31/2010 10:11 PM POSEIDON\Administrator Report server path: /Report Parts/PriceByColorChart	
Results	
Help	Close

And once it's updated, no in-your-face notice again that the update was successful. It's still just that subtle green checkmark beside the report part you chose to update.

🖥 Update Report Parts	. <mark>   ×</mark>
Select updates	
The copies of the report parts in this report have been updated on the server. Select the report parts to you would like to update to match the server copy. This will overwrite the report part in this report.	hat
Name Name	
F 👘 🔺 PriceByColorChart	
This is a pie chart that breaks down prices of our products by color. This was originally requested by the Marketing Manager.	
Last modified: 3/31/2010 10:18 PM POSEIDON\Administrator	
First published: 3/31/2010 10:11 PM POSEIDON\Administrator	
Report server path: /Report Parts/PriceByColorChart	
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