

PUG 2011 SSRS

Presented by Wes Osborn
Central Library Consortium

<http://bit.ly/pug2011wes>



Outline

What is SSRS?

Installing Report Builder

Building your first report

Exploring SSRS features

Sharing Time



www.jameshance.com

What is SSRS?

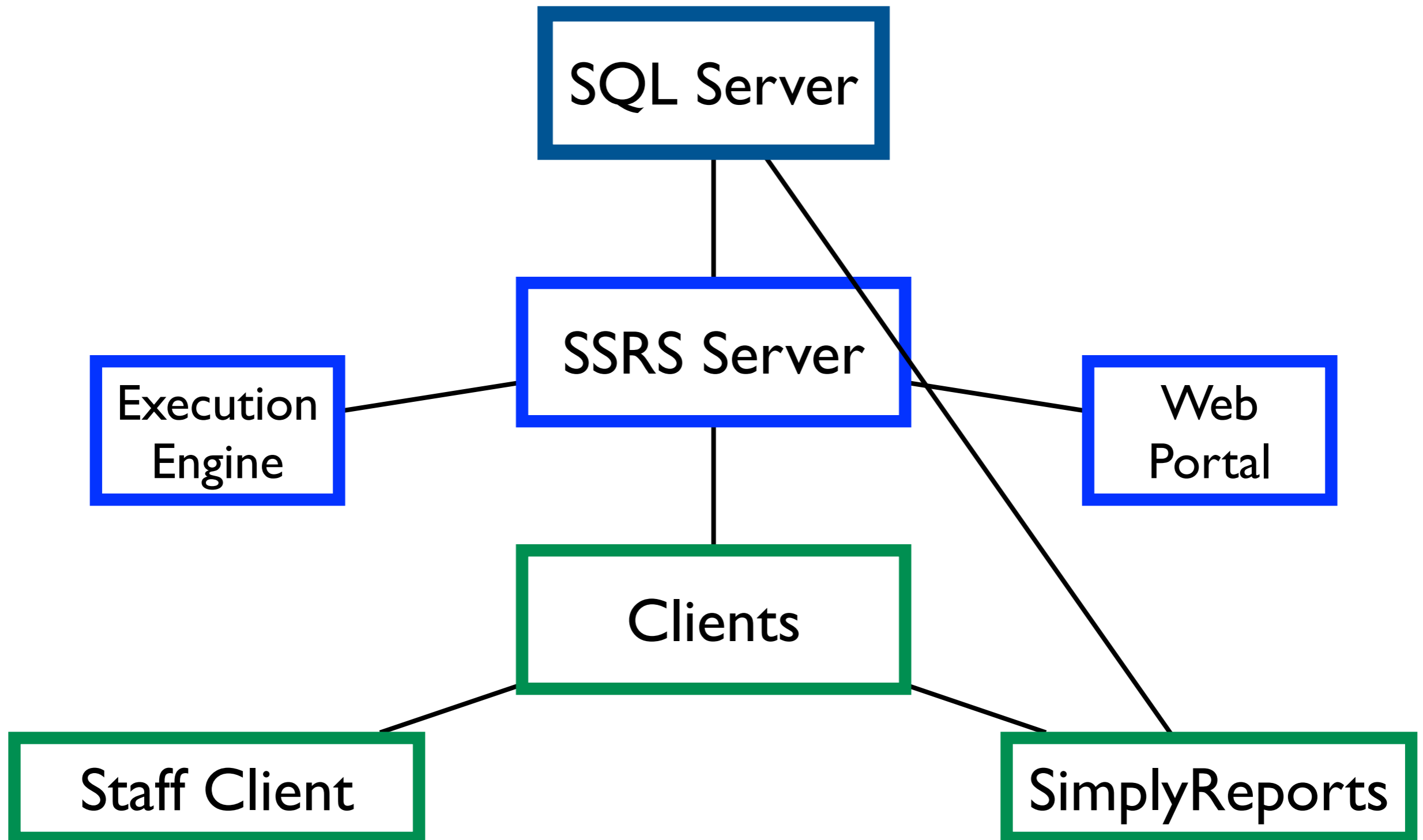
Part of SQL “Suite”

Formats output of SQL

Schedules Reports

SSRS Components

Where SSRS “lives”



What does SSRS “eat”

SQL

RDL File

XML

Where do RDL files hide?

On Report Server

C:\ProgramData\Polaris\4.0\Reports

In Report Server Database

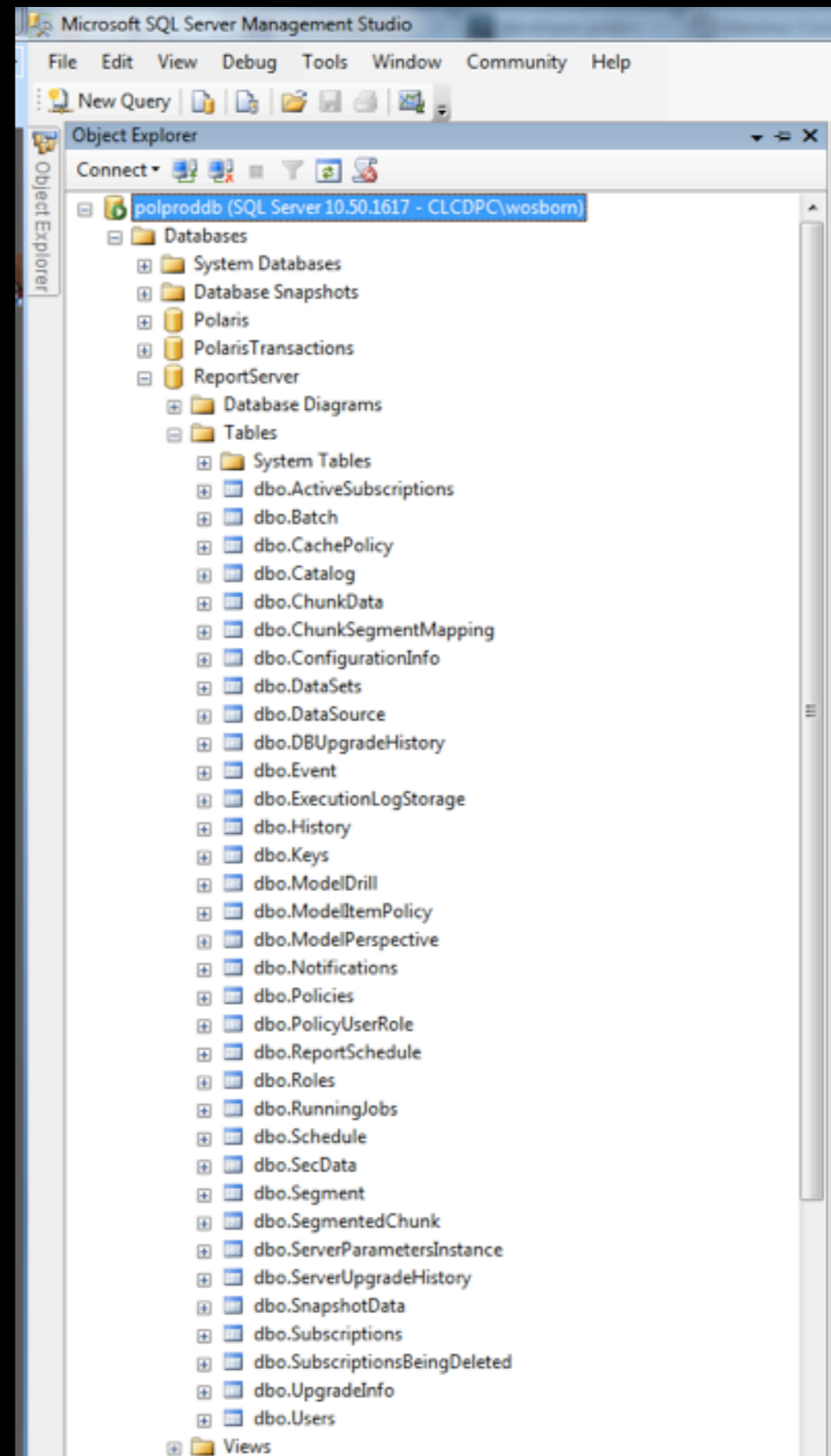
ReportServer.dbo.Catalog

Speaking of the Report Server Database

Stores SSRS Settings

Can be on ANY SQL Server

Scheduled Reports get created as SQL Jobs



Select a page

- General
- Steps
- Schedules
- Alerts
- Notifications
- Targets

Script Help

Name: 992F453A-23BE-4530-8B4F-2BB659EBF58F

Owner: CLCDPC\POLARISSSRS\$

Category: Report Server

Description: This job is owned by a report server process. Modifying this job could result in database incompatibilities. Use Report Manager or Management Studio to update this job.

Connection

Server: polproddb
Connection: CLCDPC\wosbom
[View connection properties](#)

Enabled

Source:

Created: 6/2/2011 8:56:30 AM

Last modified: 6/6/2011 10:34:18 PM

Last executed: 6/2/2011 9:00:00 AM

Progress

 Ready

[View Job History](#)

OK Cancel





ReportServer Database



Configuring SSRS



Microsoft
SQL Server 2008 R2
Reporting Services Configuration Manager

 Connect POLPRODSSRS\MSSQLSERVER Service Account Web Service URL Database Report Manager URL E-mail Settings Execution Account Encryption Keys Scale-out Deployment

Report Server Database



Reporting Services stores all report server content and application data in a database. Use this page to create or change the report server database or update database connection credentials.

Current Report Server Database

Click Change database to select a different database or create a new database in native or SharePoint integrated mode.

SQL Server Name:	POLPRODDB
Database Name:	ReportServer
Report Server Mode:	Native

[Change Database](#)

Current Report Server Database Credential

The following credentials are used by the report server to connect to the report server database. Use the options below to choose a different account or update a password.

Credential:	Service Account
Login:	LocalSystem
Password:	*****






[Change Credentials](#)

Results

[Copy](#)[Apply](#)[Exit](#)

Connect

POLPRODSSRS\MSSQLSERVER

 Service Account Web Service URL Database Report Manager URL E-mail Settings Execution Account Encryption Keys Scale-out Deployment

E-mail Settings



To use report server e-mail, specify an existing SMTP server and an e-mail account that can send e-mail from that server.

SMTP Settings

To edit, change the fields and click the Apply button.

Sender Address:

Current SMTP Delivery Method:

SMTP Server:

Results

```
*C:\Program Files\Microsoft SQL Server\MSRS10_50.MSSQLSERVER\Reporting Services\ReportServer\rsreportserver.config - Notepad++
File Edit Search View Encoding Language Settings Macro Run TextFX Plugins Window ?
RSWebApplication.config rsreportserver.config
28 <!-- <Add Key="WatsonFlags" Value="0x0428" /> minidump -->
29 <!-- <Add Key="WatsonFlags" Value="0x0002" /> no dump-->
30 <Add Key="WatsonFlags" Value="0x0428"/>
31 <Add Key="WatsonDumpOnExceptions" Value="Microsoft.ReportingServices.Diagnostics.Utilities.InternalCatalogException:
32 <Add Key="WatsonDumpExcludeIfContainsExceptions" Value="System.Threading.ThreadAbortException, System.Web.UI.ViewSt.
33 <URLReservations>
34 <Application>
35 <Name>ReportServerWebService</Name>
36 <VirtualDirectory>ReportServer</VirtualDirectory>
37 <URLs>
38 <URL>
39 <UrlString>https://+:443</UrlString>
40 <AccountSid>S-1-5-18</AccountSid>
41 <AccountName>LocalSystem</AccountName>
42 </URL>
43 <URL>
44 <UrlString>http://+:80</UrlString>
45 <AccountSid>S-1-5-18</AccountSid>
46 <AccountName>LocalSystem</AccountName>
47 </URL>
48 </URLs>
49 </Application>
50 <Application>
51 <Name>ReportManager</Name>
52 <VirtualDirectory>Reports</VirtualDirectory>
53 <URLs>
54 <URL>
55 <UrlString>https://+:443</UrlString>
```

C:\Program Files\Microsoft SQL Server
\MSRS10_50.MSSQLSERVER\Reporting Services
\ReportServer\rsreportserver.config

Getting started

I'd really like a
report that...

Quick links

- ↓ [Overview](#)
- ↓ [System requirements](#)
- ↓ [Instructions](#)
- ↓ [Additional information](#)

Microsoft SQL Server 2008 R2 Report Builder 3.0 provides an intuitive report authoring environment for business and power users. It supports the full capabilities of SQL Server 2008 R2 Reporting Services. The download provides a stand-alone installer for Report Builder 3.0.

Quick details

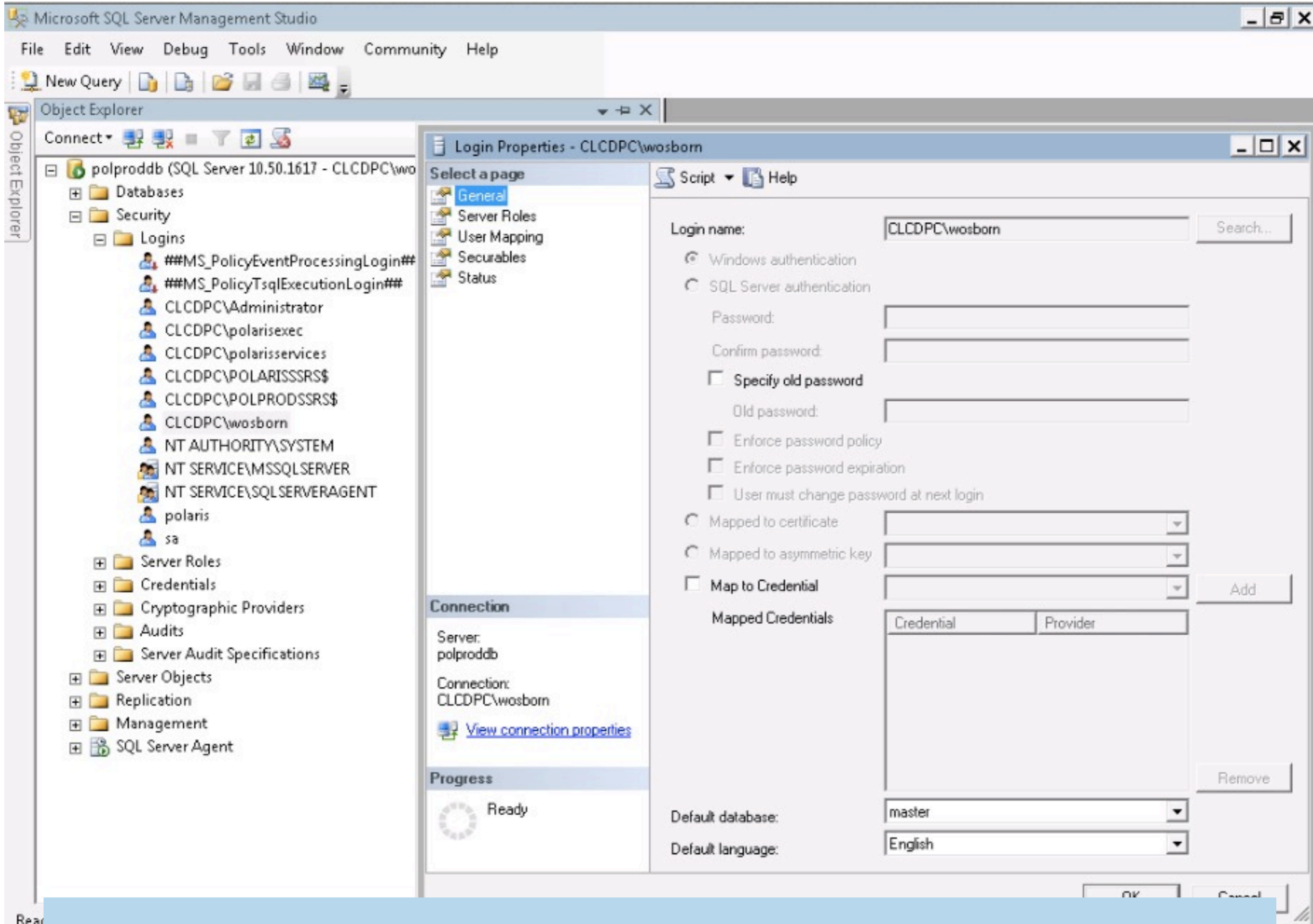
Version: 10.50.1600.1 **Date Published:** 7/12/2010
Change Language:

Files in this download

The links in this section correspond to files available for this download. Download the files appropriate for you.

File Name	Size	
1033\ReportBuilder3Readme.htm	12 KB	DOWNLOAD
1033\Samples\Report Builder 3.0 Samples.zip	128 KB	DOWNLOAD
1033\x86\ReportBuilder3.msi	31.0 MB	DOWNLOAD

Google: Report Builder 3.0



Create DB user account

Default Target Server

The following information will help configure your installation.



Optional: Enter the default target server URL to host new reports.

For example:

`http://<servername>/reportserver` for a report server running in native mode.

`http://<servername>` for a report server running in SharePoint integrated mode.

Leave this value empty if you do not want to specify a default target server.

Default target server URL (optional):

< Back

Next >

Cancel

Specify Report Server Host



New Report

Display data from various data sources in tables, charts, and other formats.



New Dataset

Share queried data among multiple reports.



Open

Open a saved report.



Recent

Open a recently used report.

Create a report from a wizard or from a blank report.



Table or Matrix Wizard

Guides you through choosing the data source connection, layout, and style for a table or matrix report.



Chart Wizard

Guides you through creating column, line, pie, bar, and area charts.



Map Wizard

Displays report data against a geographical background.



Blank Report

Choose a dataset

Choose a dataset

- Choose an existing dataset in this report or a shared dataset

[Browse...](#)

- Create a dataset

Help

< Back

Next >

Cancel

Choose a connection to a data source

Choose a published data source, or create a connection for use only in this report.

Data Source Connections:

Polaris
http://reports.dcohoio.org/reportserver/Polaris

Test Connection Result

Connection created successfully.

OK

Browse... | New...

Test Connection

Help

< Back

Next >

Cancel

Enter Data Source Credentials



Connecting to data source 'Polaris'...

- Use the current Windows user
- Use the following:

User name:

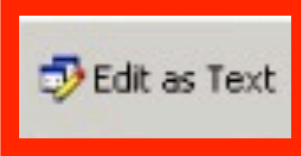
Password:

- Use as Windows credentials
- Save password with connection



Design a query

Build a query to specify the data you want from the data source.



Edit as Text
Import...
Run Query

Database view

- dbo
- Polaris

Selected fields

Field	Aggregate

Relationships Auto Detect Edit Fields

Applied filters

Field name	Operator	Value	Parameter

Query results

Help

< Back

Next >

Cancel

Design a query

Build a query to specify the data you want from the data source.

Edit as Text

Import...



Command type: Text

```
select * from polaris.polaris.patrons with (nolock) where LastActivityDate > '2011-08-01'
```

PatronID	PatronCodeID	OrganizationID	CreatorID	ModifierID	Barcode	SystemBlocks	YTDCir
7	1	24	1	112	21869000535305	0	103
12	1	11	1	27	21868001133011	0	168
25	1	20	1	84	21170000183315	0	40
34	1	9	1	364	21868001949028	0	5
37	1	17	1	58	20231000150323	0	34
40	1	17	1	198	20231000151040	0	88

Patrons w/Activity after 8/1/11

87	1	24	1	112	21869000607104	0	44
----	---	----	---	-----	----------------	---	----

Help

< Back

Next >

Cancel



Polaris Users Group

Files

[Edit folders](#) [File sharing settings](#)

[Upgrade to Remove Ads](#)

- All files
- E-mail attachments
- Files not in folders
- Content
- PUG 2010
- SSRS RDL Files**
- Create folder

SSRS RDL Files

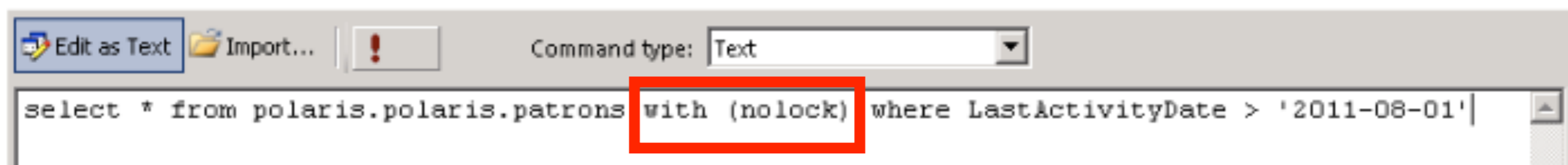
There are no files in this folder

Your group is currently using 12% of its quota — 31.46Mb of 250Mb.

[Upgrade for more storage](#)



File Sharing on the new PUG Website



The screenshot shows a SQL query editor window. The top toolbar includes buttons for 'Edit as Text', 'Import...', and a warning icon. A dropdown menu for 'Command type' is set to 'Text'. The main text area contains the following SQL query: `select * from polaris.polaris.patrons with (nolock) where LastActivityDate > '2011-08-01'`. The text `with (nolock)` is highlighted with a red rectangular box.

with (nolock)



**I HATE typing
“with (nolock)”**



Hotstrings and Auto-replace

- Replace long strings with short hotkeys
- Free
- Easy to install

<http://www.autohotkey.com/docs/Hotstrings.htm>

AutoHotkey

wnl = with (nolock)

formsig = full formal signature

ssig = short signature

hdclose = closing helpdesk tickets

Polrais = Polaris

Back to our regular
programming



Design a query

Build a query to specify the data you want from the data source.

Edit as Text

Import...



Command type: Text

```
select * from polaris.polaris.patrons with (nolock) where LastActivityDate > '2011-08-01'
```

PatronID	PatronCodeID	OrganizationID	CreatorID	ModifierID	Barcode	SystemBlocks	YTDCir
7	1	24	1	112	21869000535305	0	103
12	1	11	1	27	21868001133011	0	168
25	1	20	1	84	21170000183315	0	40
34	1	9	1	364	21868001949028	0	5
37	1	17	1	58	20231000150323	0	34
40	1	17	1	198	20231000151040	0	88

Patrons w/Activity after 8/1/11

87	1	24	1	112	21869000607104	0	44
----	---	----	---	-----	----------------	---	----

Help

< Back

Next >

Cancel

Arrange fields

Arrange fields to group data in rows, columns, or both, and choose values to display. Data expands across the page in column groups and down the page in row groups. Use functions such as Sum, Avg, and Count on the fields in the Values box.

Available fields

- PatronID
- PatronCodeID
- OrganizationID
- CreatorID
- ModifierID
- Barcode
- SystemBlocks
- YTD CircCount
- LifetimeCircCount
- LastActivityDate**
- ClaimCount
- LostItemCount
- ChargesAmount
- CreditsAmount

Column groups

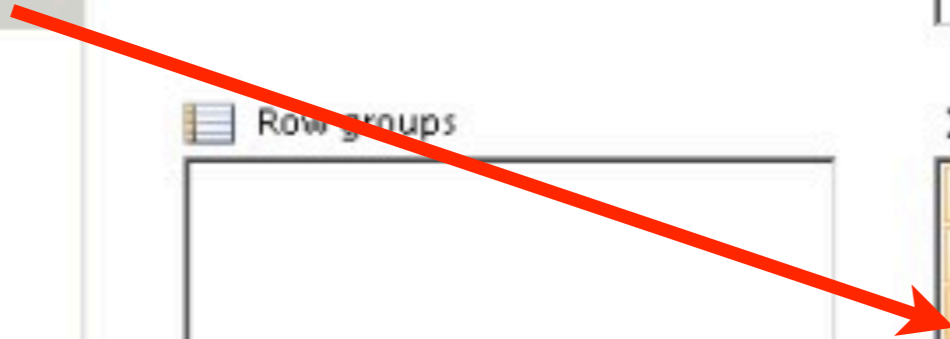
Empty box for column groups.

Row groups

Empty box for row groups.

Σ Values

- Sum(PatronID) ▼
- Barcode ▼
- LastActivityDate ▼**



Choose the layout

If you choose to show subtotals and grand totals, you can place them above or below the group. Stepped reports show hierarchical structure with indented groups in the same column.

Options:

- Show subtotals and grand totals
 - Blocked, subtotal below
 - Blocked, subtotal above
 - Stepped, subtotal above
- Expand/collapse groups

Preview

Patron ID	Barcode	Last Activit
[Sum(PatronID)]	[Barcode]	[LastActivityDate]

Choose a style

Styles feature different fonts and color schemes, but do not affect the basic layout. You can customize the style after you finish the wizard.

Styles:

Corporate
Forest
Generic
Mahogany
Ocean
Slate

Preview

Patron ID	Barcode	Last Activit
[Sum(PatronID)]	[Barcode]	[LastActivityDate]

Help

< Back

Finish >>

Cancel

Home Insert View

Run Paste

Views Clipboard Font Paragraph Border Number Layout

Merge Split Align

Report Data

New Edit...

- Built-in Fields
- Parameters
- Images
- Data Sources
- Datasets

Click to add title

Patron ID	Barcode	Last Activit
[Sum(PatronID)]	[Barcode]	[LastActivityDate]

[&ExecutionTime]

Row Groups

Column Groups

(Details)



Run



Design



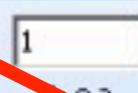
Zoom



First



Previous



Next



Last



Refresh



Stop



Back



Print



Page Setup



Print Layout



Export



Document Map



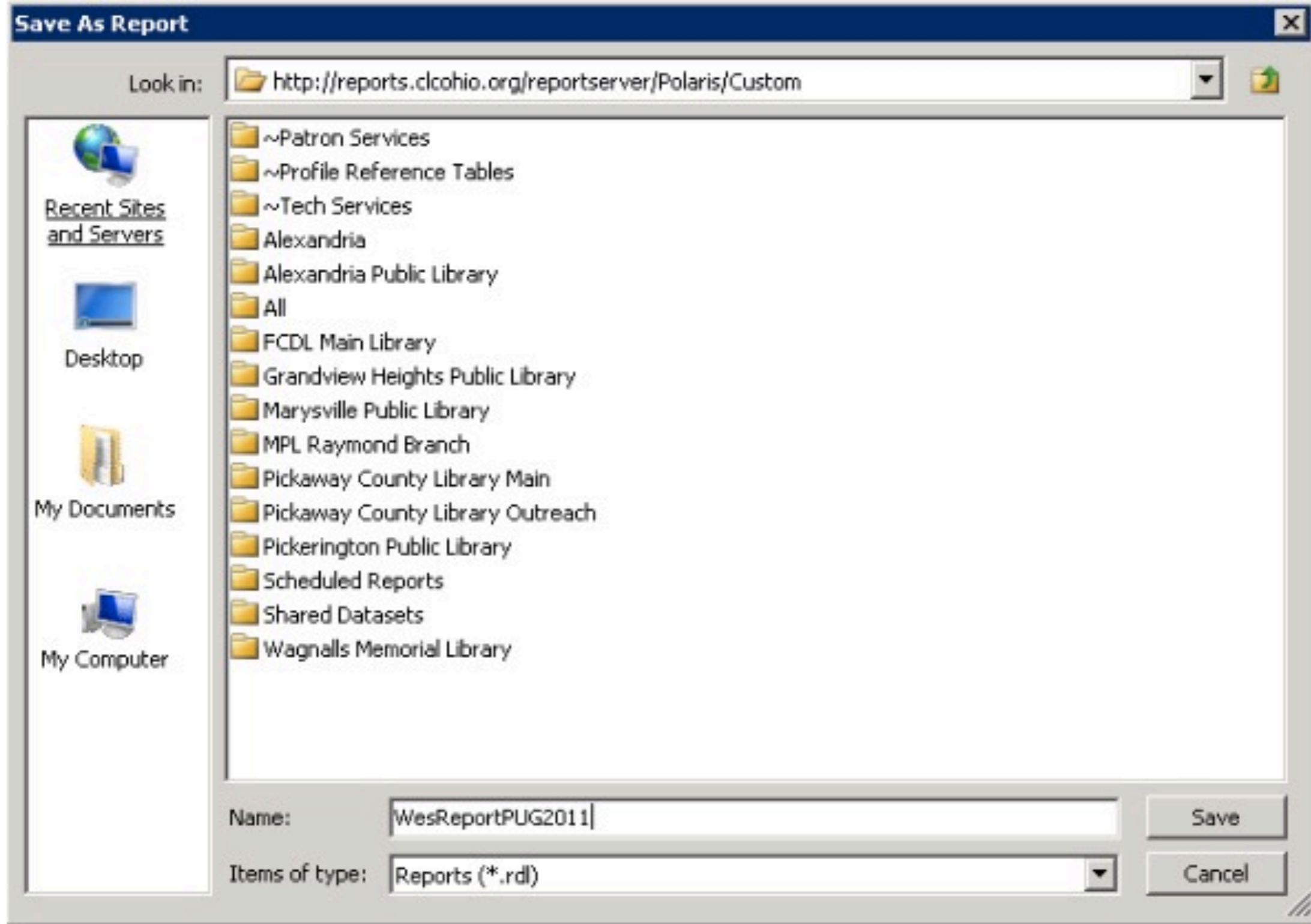
Parameters



Find

Save the Report

Patron ID	Barcode	Last Activity Date
7	21869000535305	8/23/2011 6:55:17 AM
12	21868001133011	8/27/2011 10:14:37 AM
25	21170000183315	8/26/2011 7:54:01 AM
34	21868001949028	8/18/2011 4:57:49 PM
37	20231000150323	8/1/2011 11:46:39 AM
40	20231000151040	8/27/2011 10:57:45 AM
44	20231000023140	8/25/2011 1:34:41 PM
73	21869000793227	8/11/2011 7:29:53 AM
74	21869000470206	8/20/2011 11:40:14 AM
87	21869000607104	8/24/2011 6:56:17 PM
89	21868001948996	8/13/2011 11:57:15 AM
96	21868001705552	8/29/2011 1:06:48 PM



Published directly to staff client

Report Categories:

- [-] Polaris
 - [+] Acquisitions
 - [+] Cataloging
 - [+] Circulation
 - [+] Custom
 - [+] Notices
 - [+] PAC
 - [+] Public Services
 - [+] Serials
 - [+] System

Available Reports:

Name	Type	Date Modified
~Patron Services	Folder	5/16/2011 11:50 AM
~Profile Reference Tables	Folder	5/12/2011 11:53 PM
~Tech Services	Folder	5/12/2011 11:53 PM
Alexandria	Folder	5/12/2011 11:52 PM
Alexandria Public Library	Folder	7/1/2011 12:22 PM
All	Folder	5/12/2011 11:52 PM
FCDL Main Library	Folder	5/12/2011 11:52 PM
Grandview Heights Public Library	Folder	6/16/2011 5:09 PM
Marysville Public Library	Folder	6/16/2011 9:24 AM
MPL Raymond Branch	Folder	5/12/2011 11:52 PM
Pickaway County Library Main	Folder	5/12/2011 11:52 PM
Pickaway County Library Outreach	Folder	5/12/2011 11:52 PM
Pickerington Public Library	Folder	5/12/2011 11:52 PM
Scheduled Reports	Folder	5/19/2011 12:02 PM
Shared Datasets	Folder	5/19/2011 12:22 PM
Wagnalls Memorial Library	Folder	5/12/2011 11:52 PM
WesReportPUG2011	Report	8/31/2011 1:57 PM

Output Selection & Refresh

SSRS Feature Tour

SSRS Features

Scannable Barcodes

Repeating header rows

Conditional formatting

Scheduling “Automatic” Reports

Separating data from design

Scannable Barcodes

Scannable Barcodes

Surprise! It's just another font!

Use Code39

Free

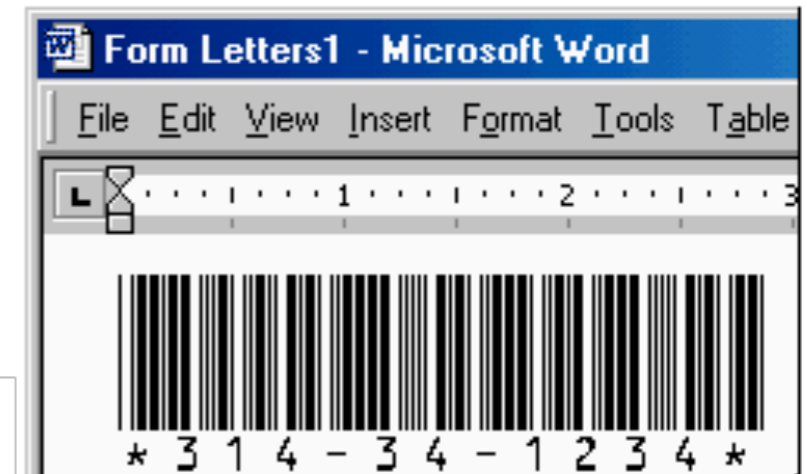
Easy to install/use

Most scanners can read

Free Barcode Font Download

This free barcode font can be used to generate medium-size Code 39 barcodes in TrueType or OpenType format, which can encode uppercase letters, numbers and some special symbols. This is a fully-functional freeware font, not a demo or evaluation.

[Download the free Code 39 barcode font](#)



<http://www.idautomation.com/fonts/free/>

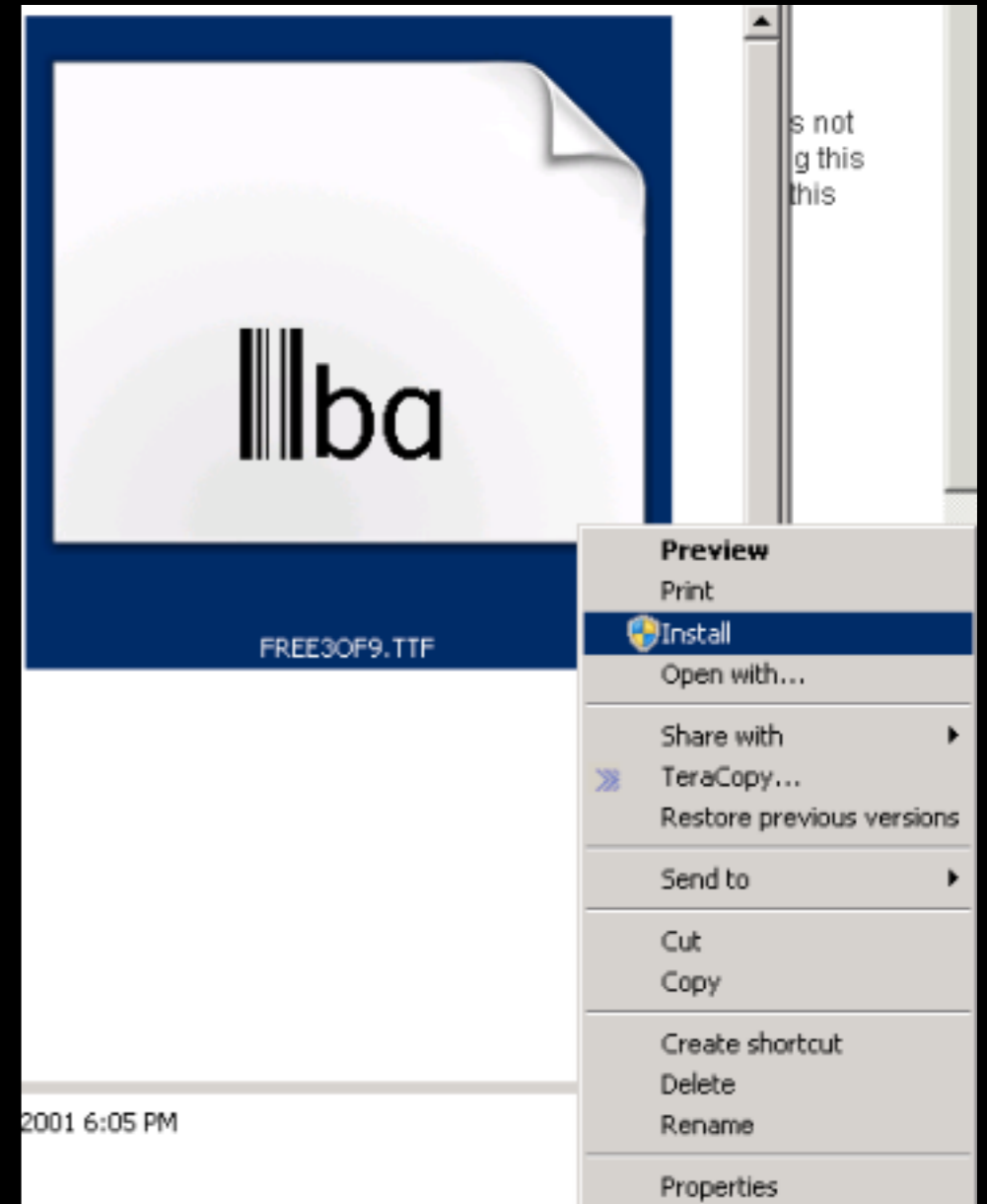
Install it everywhere

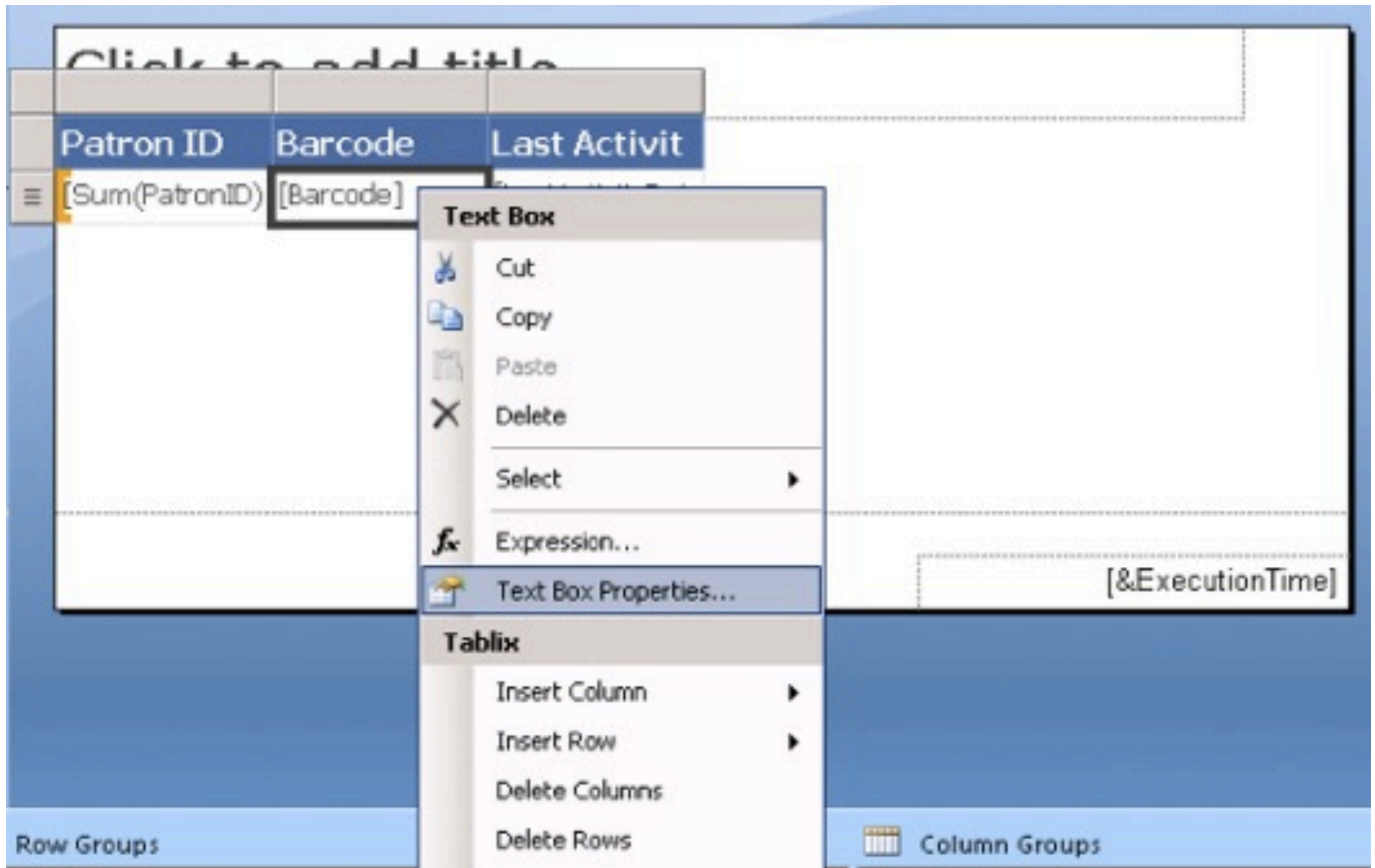
Report Server

Report Builder PC

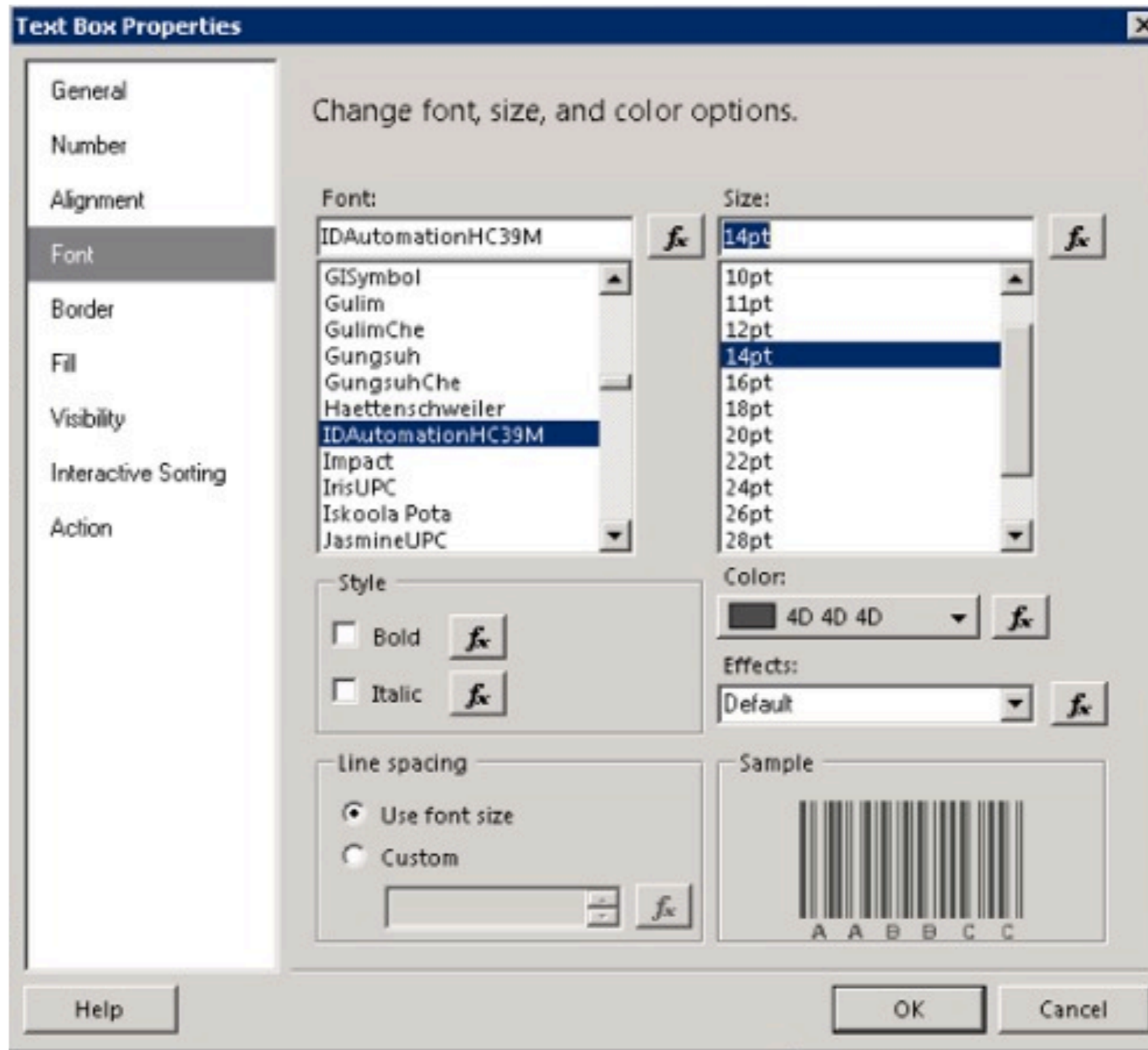
Polaris Staff Clients

Terminal Server






Change font Type



Select Font & Set Font Size

Click to add title

Patron ID	Barcode	Last Activity
[Sum(PatronID)]		[LastActivityDate]

[&ExecutionTime]

A red arrow points to the vertical line separating the 'Barcode' and 'Last Activity' columns.

Enlarge Column Width

WesReportPUG2011-

Run

Design Zoom Views Zoom

Navigation

1 of 2?

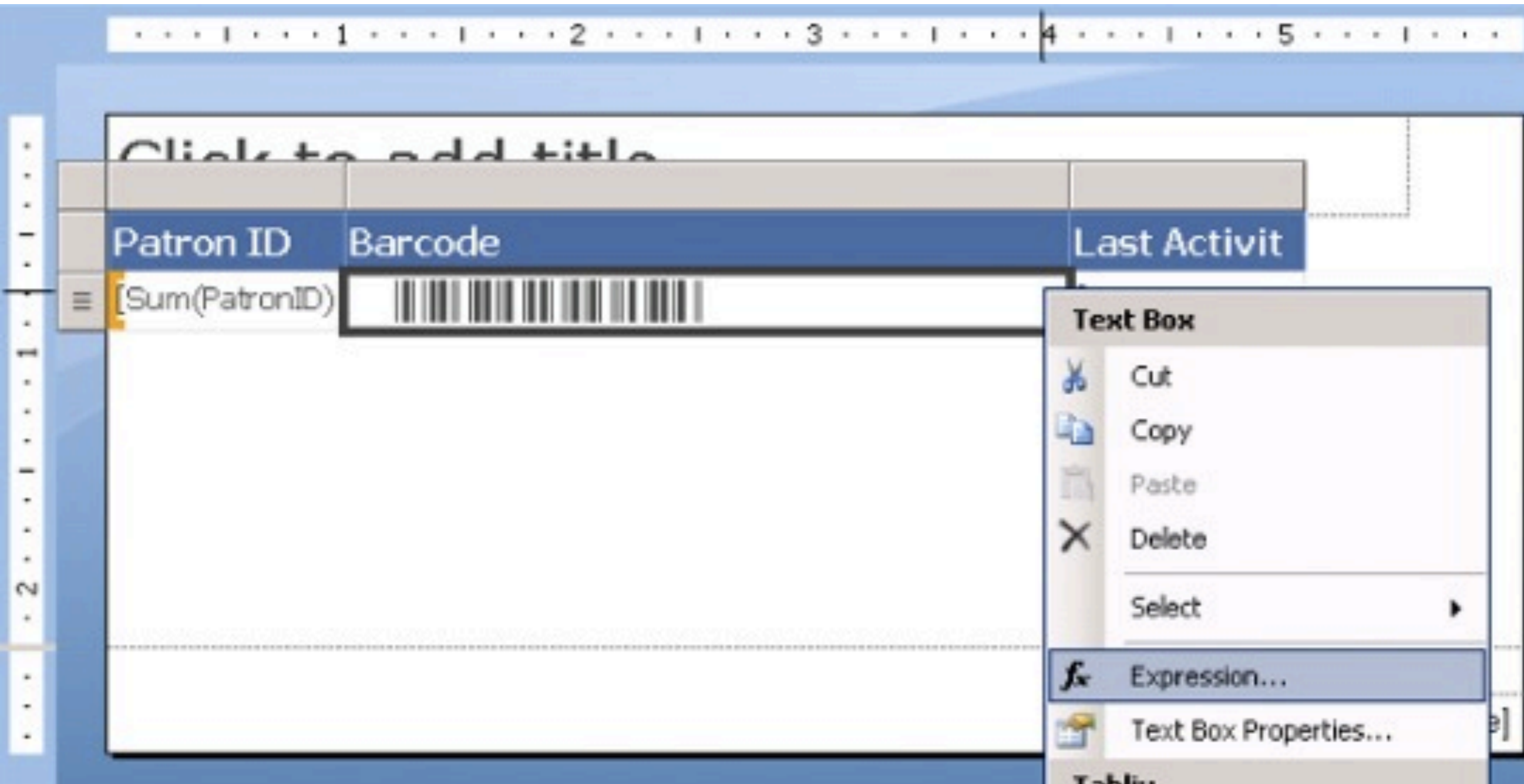
First Previous Next Last

Refresh Stop Back

Print

Patron ID	Barcode	Last Activity Date
7	 2 1 8 6 9 0 0 0 5 3 5 3 0 5	8/23/2011 6:55:17 AM
12	 2 1 8 6 8 0 0 1 1 3 3 0 1 1	8/27/2011 10:14:37 AM
25	 2 1 1 7 0 0 0 0 1 8 3 3 1 5	8/26/2011 7:54:01 AM

Barcode still NOT scannable



Editing field Expression

Expression



Set expression for: Value

=Fields!Barcode.Value

Category:

- Constants
- Built-in Fields
- Parameters
- Fields (DataSet1)
- Datasets
- Variables
- + Operators
- + Common Functions

Item:

- <All>

No constants are available for this property.

Help

OK

Cancel



Set expression for: Value

```
= "*" & Fields!Barcode.Value & "*" |
```

Category:

- Constants
- Built-in Fields
- Parameters
- Fields (DataSet1)
- Datasets
- Variables
- + Operators
- + Common Functions

Item:

<All>

No constants are available for this property.

Concatenating with &






fx are your friends

WesReportPUG2011 - M

Run

Design Zoom Views Zoom Navigation Refresh Stop Back Print

1 of 27

Patron ID	Barcode	Last Activity Date
7	 * 2 1 8 6 9 0 0 0 5 3 5 3 0 5 *	8/23/2011 6:55:17 AM
12	 * 2 1 8 6 8 0 0 1 1 3 3 0 1 1 *	8/27/2011 10:14:37 AM
25	 * 2 1 1 7 0 0 0 0 1 8 3 3 1 5 *	8/26/2011 7:54:01 AM

Barcode now scannable

Repeating Header Rows

WesReportPUG2011

Run

Design Views

Zoom Zoom

First Previous of 2? Next Last

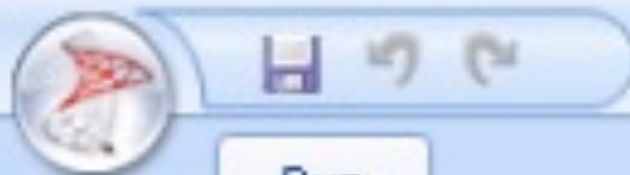
Refresh Stop Back

Navigation

Print

Patron ID	Barcode	Last Activity Date
7	 * 2 1 8 6 9 0 0 0 5 3 5 3 0 5 *	8/23/2011 6:55:17 AM
12	 * 2 1 8 6 8 0 0 1 1 3 3 0 1 1 *	8/27/2011 10:14:37 AM
25	 * 2 1 1 7 0 0 0 0 1 8 3 3 1 5 *	8/26/2011 7:54:01 AM





Run



Design

Views



Zoom



Zoom



First



Previous

2
of 3?



Next



Last



Refresh



Stop



Back



Print

Navigation

325



8/21/2011
5:11:43 PM

* 2 1 8 6 8 0 0 1 5 4 0 0 7 4 *

328



8/24/2011
9:08:45 PM

* 2 1 8 6 8 0 0 1 0 7 9 6 9 3 *

339



8/13/2011
3:15:27 PM

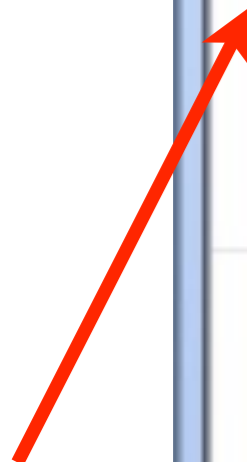
* 2 1 1 7 0 0 0 0 2 5 2 9 8 7 *

343



8/29/2011
11:06:06 AM

* 2 1 8 7 0 0 0 0 0 1 6 1 8 9 *



Google:

“Repeat Header / Keep
Header Visible in Tables
in RS 2008”

OR

<http://bit.ly/qznwYN>

Follow the convoluted
but clearly written
instructions

Paragraph Border Number Layout

1 pt

[123] \$ % + %0.00 %0.0

Merge Split Align

Click to add title

Patron ID	Barcode	Last Activit
[Sum(PatronID)]		[LastActivityDate]

Properties

Tablix Member

Data Only

DataElementName
DataElementOutput: Auto

Misc

ComponentMeta:

Other

CustomProperties:
FixedData: **True**
HideIfNoRows: False
KeepTogether: False
KeepWithGroup: **After**
RepeatOnNewPage: **True**

Visibility

Hidden: **False**
ToggleItem:

Advanced Mode

FixedData

Indicates whether the entire member, including its body cells, displays on the pag...

Row Groups

(Static)
= (Details)





Column Groups

(Static)
(Static)
(Static)

WesReportPUG2011 - M

Run

Design Zoom First Previous **2 of 37** Next Last Refresh Stop Back Print

Patron ID	Barcode	Last Activity Date
325	 * 2 1 8 6 8 0 0 1 5 4 0 0 7 4 *	8/21/2011 5:11:43 PM
328	 * 2 1 8 6 8 0 0 1 0 7 9 6 9 3 *	8/24/2011 9:08:45 PM
339	 * 2 1 1 7 0 0 0 0 2 5 2 9 8 7 *	8/13/2011 3:15:27 PM
343	 * 2 1 8 7 0 0 0 0 0 1 6 1 8 9 *	8/29/2011 11:06:06 AM

All pages now have headers!

Conditional formatting

Conditional Formatting

Activity within the past 10 days

Color the row background red

Otherwise leave it white

The screenshot shows a Microsoft Access table with the following columns: Patron ID, Barcode, and Last Activit. The first row is highlighted in black. The Properties window is open, showing the Fill section with Background Color set to an expression. A red arrow points from the expression field in the Properties window to the highlighted row in the table.

Patron ID	Barcode	Last Activit
[Sum(PatronID)]	[Barcode]	[LastActivityDate]

Properties window - Fill section:

- Background Color: [Expression...]

Set Row Background Color to an Expression

Expression [Close]

Set expression for: BackgroundColor

```
= iif(Fields!LastActivityDate.Value > DateAdd("d",-10, Globals!ExecutionTime), "Tomato", "White")
```

- Category:
- Constants
 - Built-in Fields
 - Parameters
 - Fields (DataSet1)
 - Datasets
 - Variables
 - Operators
 - Common Functions

- Item:
- <All>

Values:

No Color

Black	Red	Olive	Green	Blue	Dark Blue	Purple	Grey
Dark Red	Orange	Olive	Green	Teal	Blue	Purple	Grey
Red	Orange	Green	Dark Green	Cyan	Blue	Purple	Grey
Pink	Yellow	Yellow	Light Green	Cyan	Light Blue	Purple	Grey
Pink	Tan	Yellow	Light Green	Cyan	Light Blue	Purple	White
Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey

[More colors...](#)

Help

OK

Cancel



Run



Design

Views



Zoom

Zoom



First



Previous

1

of 2?



Next



Last



Refresh



Stop

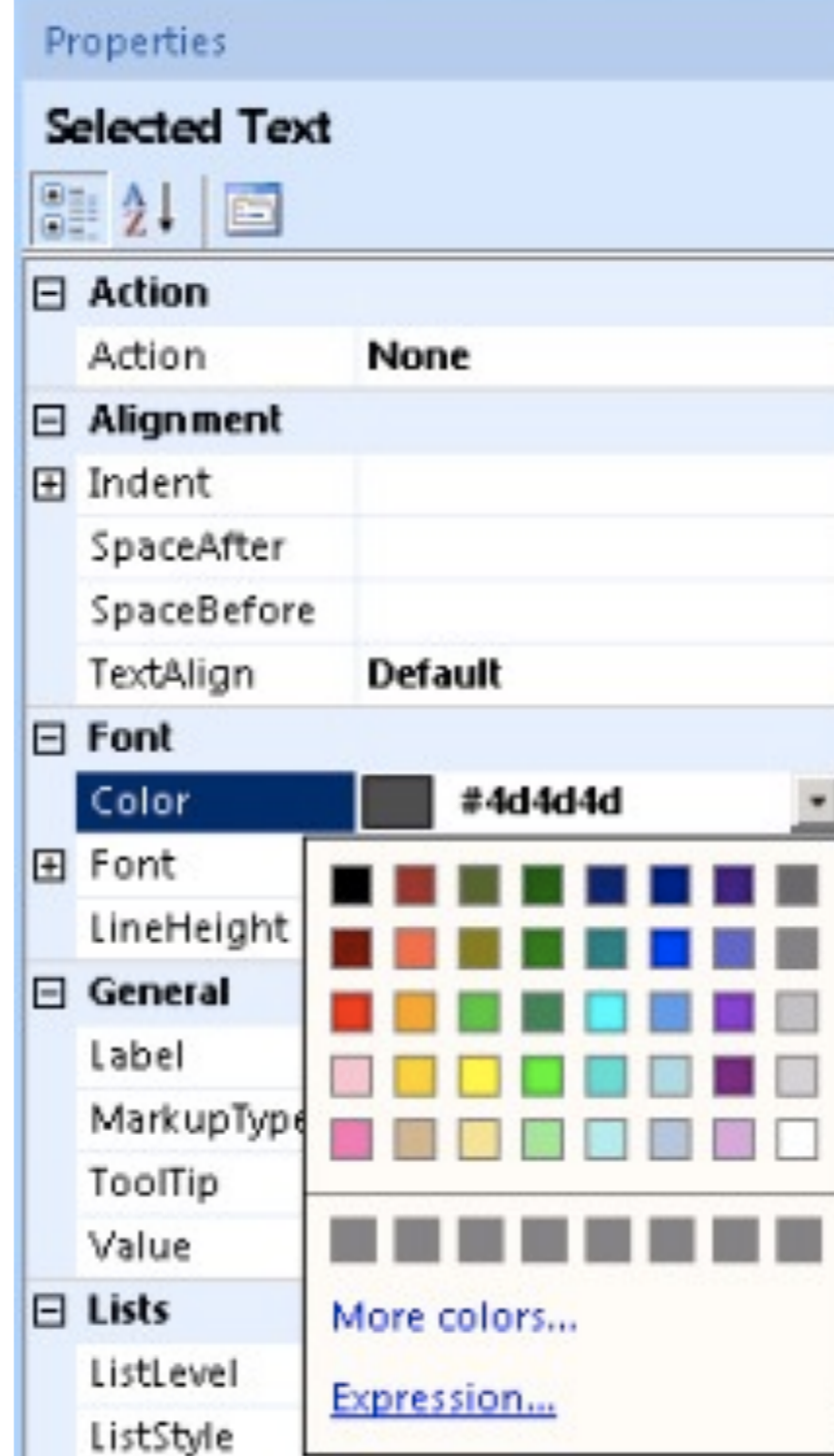


Back



Print

Patron ID	Barcode	Last Activity Date
7	 * 2 1 8 6 9 0 0 0 5 3 5 3 0 5 *	8/23/2011 6:55:17 AM
12	 * 2 1 8 6 8 0 0 1 1 3 3 0 1 1 *	8/27/2011 10:14:37 AM
25	 * 2 1 1 7 0 0 0 0 1 8 3 3 1 5 *	8/26/2011 7:54:01 AM
34	 * 2 1 8 6 8 0 0 1 9 4 9 0 2 8 *	8/18/2011 4:57:49 PM
37	 * 2 0 2 3 1 0 0 0 1 5 0 3 2 3 *	8/1/2011 11:46:39 AM
40	 * 2 0 2 3 1 0 0 0 1 5 1 0 4 0 *	8/27/2011 10:57:45 AM



Any formatting can be conditional



fx are your friends

Scheduling “Automatic” Reports

Automatic Reporting

Creating Report Parameters

Automatically Filling in Parameters

Scheduling Reports to run

Creating Report Parameters

Design a query

Build a query to specify the data you want from the data source.

Edit as Text

Import...

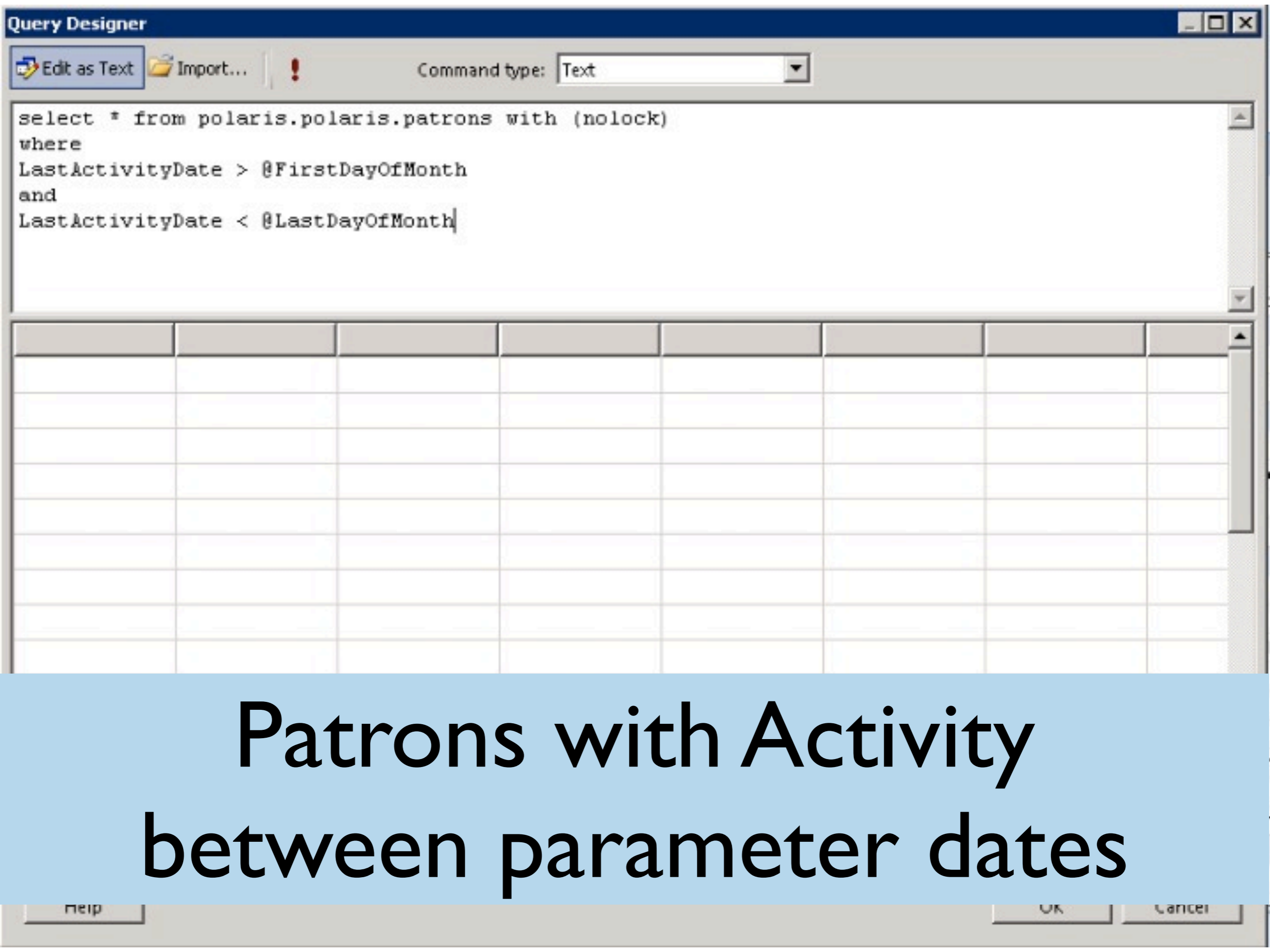


Command type: Text

```
select * from polaris.polaris.patrons with (nolock) where LastActivityDate > '2011-08-01'
```

PatronID	PatronCodeID	OrganizationID	CreatorID	ModifierID	Barcode	SystemBlocks	YTDCir
7	1	24	1	112	21869000535305	0	103
12	1	11	1	27	21868001133011	0	168
25	1	20	1	84	21170000183315	0	40
34	1	9	1	364	21868001949028	0	5
37	1	17	1	58	20231000150323	0	34
40	1	17	1	198	20231000151040	0	88
44	13	17	1	198	20231000023140	0	64
73	1	24	1	112	21869000793227	0	33
74	1	24	1	112	21869000470206	0	52
87	1	24	1	112	21869000607104	0	44

Patrons w/Activity after 8/1/11



**Patrons with Activity
between parameter dates**

Report Data



New ▾

Edit...



Built-in Fields



Parameters



FirstDayOfMonth



LastDayOfMonth



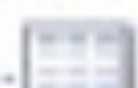
Images



Data Sources



Datasets



DataSet1

Automatically Filling in Parameter Values

Report Parameter Properties



General

Available Values

Default Values

Advanced

Change name, data type, and other options.

Name:

FirstDayOfMonth

Prompt:

Data type:

Date/Time

- Allow blank value ("")
- Allow null value
- Allow multiple values

Select parameter visibility:

- Visible
- Hidden
- Internal

Help

OK

Cancel

Report Parameter Properties



General

Available Values

Default Values

Advanced

Choose the default values for this parameter.

Select from one of the following options:

- No default value
- Specify values
- Get values from a query

Add Delete ↑ ↓

Value

(Null)	▼	<i>f_x</i>
--------	---	----------------------

Help

OK

Cancel

Set expression for: Value

```
=dateadd("m",-1,dateserial(year(Today),month(Today),1))
```

Category:

- Constants
- Built-in Fields
- Parameters
- Fields
- Datasets
- Variables
- + Operators
- + Common Functions

Item:

<All>

No constants are available for this property.

**Day 1 of Current Month
Minus 1 Month**

Report Parameter Properties



General

Available Values

Default Values

Advanced

Change name, data type, and other options.

Name:

LastDayOfMonth

Prompt:

Data type:

Date/Time

- Allow blank value ("")
- Allow null value
- Allow multiple values

Select parameter visibility:

- Visible
- Hidden
- Internal

Help

OK

Cancel

Report Parameter Properties



General

Available Values

Default Values

Advanced

Choose the default values for this parameter.

Select from one of the following options:

- No default value
- Specify values
- Get values from a query

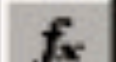
Add

Delete



Value

(Null)



Help

OK

Cancel

Expression

Set expression for: Value

```
=dateadd("s",86399, dateadd("d",-1,dateserial(year(Today),month(Today),1)))
```

Category:

- Constants
- Built-in Fields
- Parameters
- Fields
- Datasets
- Variables
- + Operators
- + Common Functions

Item:

<All>





No constants are available for this property.

**Day 1 of current month, minus 1 day, add
86399 seconds (11:59pm)**

PUG Test Report

Report Run Time:

8/31/2011 1:25:47 PM

Patron ID	Barcode	Last Activity Date
32	 * 2 1 8 6 9 0 0 0 3 1 4 2 6 3 *	7/6/2011 12:56:01 PM
47	 * 2 1 8 7 1 0 0 0 2 7 2 6 5 7 *	7/11/2011 5:11:16 PM
71	 * 2 1 8 6 8 0 0 2 2 0 6 8 9 9 *	7/26/2011 12:21:16 PM
82	 * 2 1 8 7 1 0 0 0 0 6 8 0 7 1 *	7/7/2011 6:35:43 PM

Did it really run for the proper dates?

* 2 1 8 6 8 0 0 1 9 4 8 5 5 8 *

PUG Test Report

Report Run Time: [&ExecutionTime]

- Cut
- Copy
- Paste
- Insert
- View
- Select All
- Body Properties...

- Text Box
- Line
- Table
- Matrix
- Rectangle
- List
- Image
- Subreport
- Chart
- Gauge

Last Activit
[LastActivityDate]

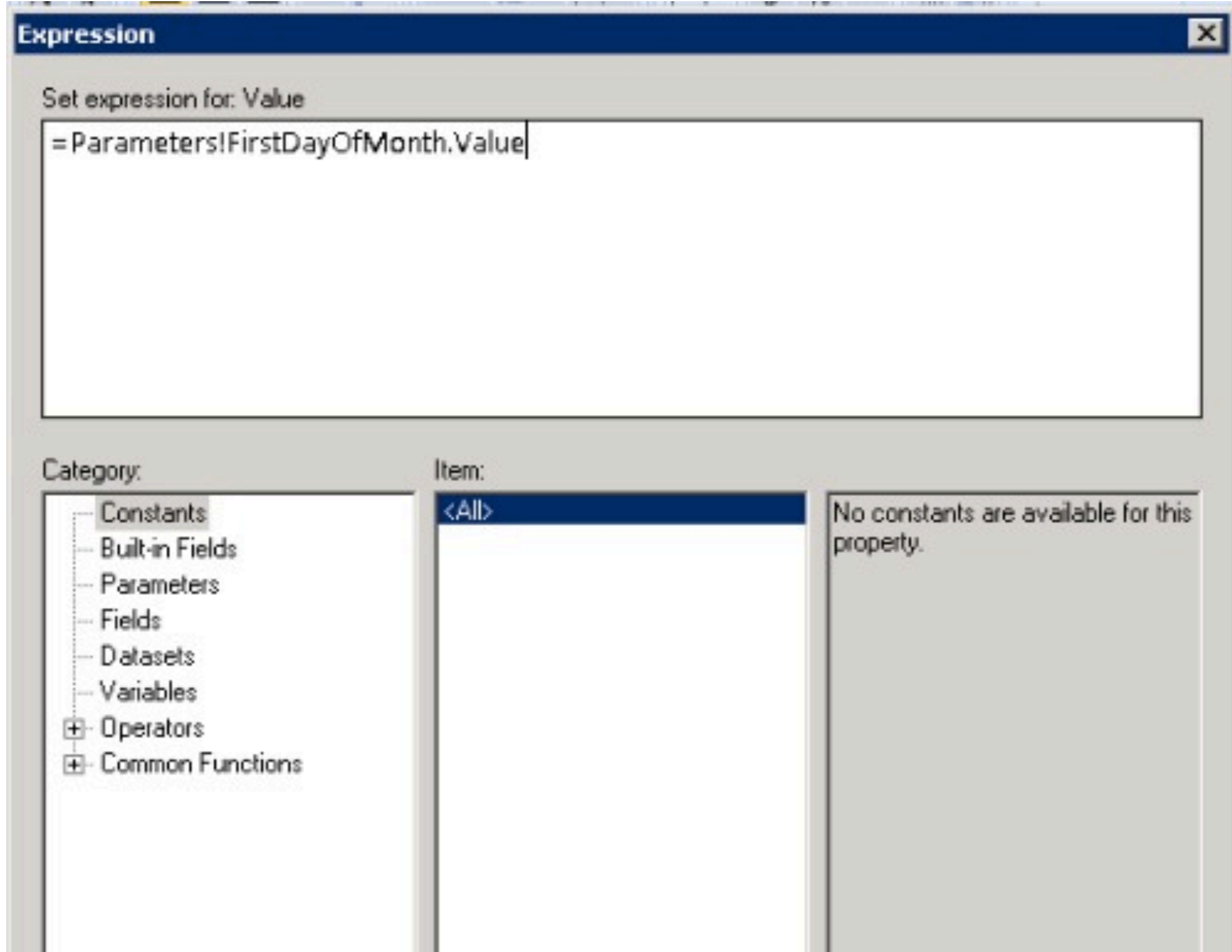
[&ExecutionTime]

Row Groups

Column Groups

The screenshot shows a report designer interface. On the left, a 'Report Data' pane contains a tree view with folders for 'Built-in Fields', 'Parameters', 'Images', 'Data Sources', and 'Datasets'. Under 'Parameters', two items are listed: '@ FirstDayOfMonth' and '@ LastDayOfMonth'. A red arrow points from the '@ FirstDayOfMonth' parameter to a text box in the report body. The report body is titled 'PUG Test Report' and contains several text boxes and a table. The text boxes are: 'Report Run Time: [&ExecutionTime]', 'Report Start Date: [@FirstDayOfMonth]', and 'Report End Date: [@LastDayOfMonth]'. The table has three columns: 'Patron ID', 'Barcode', and 'Last Activit'. The first row of the table contains the values '[PatronID]', a barcode, and '[LastActivityDate]'. At the bottom right of the report body, there is a text box containing '&ExecutionTime'.

Drag parameter to text box






Expression of dragged element

PUG Test Report

Report Run Time: 8/31/2011 1:27:01 PM

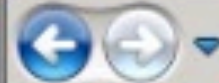
Report Start Date: 7/1/2011 12:00:00 AM Report End Date: 7/31/2011 11:59:59 PM

Patron ID	Barcode	Last Activity Date
32	 * 2 1 8 6 9 0 0 0 3 1 4 2 6 3 *	7/6/2011 12:56:01 PM
47	 * 2 1 8 7 1 0 0 0 2 7 2 6 5 7 *	7/11/2011 5:11:16 PM
71	 * 2 1 8 6 8 0 0 2 2 0 6 8 9 9 *	7/26/2011 12:21:16 PM
82	 * 2 1 8 7 1 0 0 0 0 6 8 0 7 1 *	7/7/2011 6:35:43 PM
307	 * 2 1 8 6 8 0 0 1 9 4 8 5 5 8 *	7/19/2011 2:26:26 PM



fx are your friends

Scheduling Reports to Run



CLC SQL Server Report Server Custom

- New Folder
- New Data Source
- Report Builder
- Folder Settings
- Upload File

- ~Patron Services
- ~Profile Reference Tables
- ~Tech Services
- Alexandria
- Alexandria Public Library
- All
- FCDL Main Library
- Grandview Heights Public Library
- Marysville Public Library
- MPL Raymond Branch
- Pickaway County Library Main
- Pickaway County Library Outreach
- Pickerington Public Library
- Scheduled Reports
- Shared Datasets
- Wagnalls Memorial Library
- WesReportPUG2011

<https://reports.clcohoio.org/Reports/>

CLC SQL Server Report Server

Custom

New Folder | New Data Source | Report Builder | Folder Settings | Upload File Details View

~Patron Services

Alexandria

FCDL Main Library

MPL Raymond Branch

Pickerington Public Library

Wagnalls Memorial Library

~Profile Reference Tables

Alexandria Public Library

Grandview H

Pickaway Co

Scheduled R

~Tech Services

All

Marysville Public Library

Pickaway County Library Outreach

Shared Datasets

Items in Custom

- WesReportPUG2011

- Move
- Delete
- Subscribe...
- Create Linked Report...
- View Report History
- Security
- Manage
- Download...
- Edit in Report Builder

Delivered by: E-Mail

To: wosborn@clcoho.org

Cc:

Bcc:

(Use (;) to separate multiple e-mail addresses.)

Reply-To:

Subject: @ReportName was executed at @ExecutionTime

Include Report Render Format: MHTML (web archive)

Include Link

Priority: Normal

Comment: Test

Subscription Processing Options

Specify options for subscription processing.

Run the subscription:

- When the scheduled report run is complete. Select Schedule
At 8:00 AM every Mon of every week, starting 8/31/2011
- On a shared schedule: Daily At 8am
At 8:00 AM every day, starting 5/16/2011

Report Parameter Values

Specify the report parameter values to use with this subscription.

FirstDayOfMonth

Use Default

LastDayOfMonth

Use Default

My Subscriptions - Report Manager - Windows Internet Explorer

https://reports.clcoho.org/Reports/Pages/Subscription

Home | My Subscriptions | Site Settings |

CLC SQL Server Report Server

My Subscriptions

Search

X Delete

<input type="checkbox"/>		Report ↓	Description	Folder	Trigger	Last Run	Status
<input type="checkbox"/>		Statistical Summary - Last Month	Send e-mail to wosborn@clcoho.org	/Polaris/Custom/Scheduled Reports	Timed Subscription	8/1/2011 2:00 AM	Mail sent to wosborn@clcoho.org
<input type="checkbox"/>		Statistical Summary - Last Month	Send e-mail to rmcdonnell@marysvillelib.org	/Polaris/Custom/Scheduled Reports	Timed Subscription	8/1/2011 2:00 AM	Mail sent to rmcdonnell@marysvillelib.org
<input type="checkbox"/>		Statistical Summary - Last Month	Send e-mail to dshedloski@alexandria.lib.oh.us	/Polaris/Custom/Scheduled Reports	Timed Subscription	8/1/2011 2:00 AM	Mail sent to dshedloski@alexandria.lib.oh.us
<input type="checkbox"/>		Statistical Summary - Last Month	Send e-mail to msteiner@fcdlibrary.org	/Polaris/Custom/Scheduled Reports	Timed Subscription	8/1/2011 2:00 AM	Mail sent to msteiner@fcdlibrary.org
<input type="checkbox"/>		Statistical Summary - Last Month	Send e-mail to mludlum@ghpl.org	/Polaris/Custom/Scheduled Reports	Timed Subscription	8/1/2011 2:00 AM	Mail sent to mludlum@ghpl.org
<input type="checkbox"/>		Statistical Summary - Last Month	Send e-mail to jguenther@pickawaylib.org	/Polaris/Custom/Scheduled Reports	Timed Subscription	8/1/2011 2:00 AM	Mail sent to jguenther@pickawaylib.org
<input type="checkbox"/>		Statistical Summary - Last Month	Send e-mail to egruber@wagnalls.org	/Polaris/Custom/Scheduled Reports	Timed Subscription	8/1/2011 2:00 AM	Mail sent to egruber@wagnalls.org
<input type="checkbox"/>		Statistical Summary - Last Month	Send e-mail to clong@plaincitylib.org	/Polaris/Custom/Scheduled Reports	Timed Subscription	8/1/2011 2:00 AM	Mail sent to clong@plaincitylib.org
<input type="checkbox"/>		Statistical Summary - Last Month	Send e-mail to sgoldsberry@pickeringtonlibrary.org	/Polaris/Custom/Scheduled Reports	Timed Subscription	8/1/2011 2:00 AM	Mail sent to sgoldsberry@pickeringtonlibrary.org
<input type="checkbox"/>		WesReportPUG2011	Send e-mail to wosborn@clcoho.org	/Polaris/Custom	Timed Subscription		New Subscription

Managing Subscriptions

Job Properties - 992F453A-23BE-4530-8B4F-2BB659EBF58F

Select a page

- General
- Steps
- Schedules
- Alerts
- Notifications
- Targets

Script Help

Name: 992F453A-23BE-4530-8B4F-2BB659EBF58F

Owner: CLCDPC\POLARISSSRSS

Category: Report Server

Description: This job is owned by a report server process. Modifying this job could result in database incompatibilities. Use Report Manager or Management Studio to update this job.

Connection

Server: polproddb

Connection: CLCDPC\wosbom

[View connection properties](#)

Progress

Ready

Enabled

Source:

Created: 6/2/2011 8:56:30 AM

Last modified: 6/6/2011 10:34:18 PM

Last executed: 6/2/2011 9:00:00 AM




Surprise! A new SQL Job!

Test

PUG Test Report

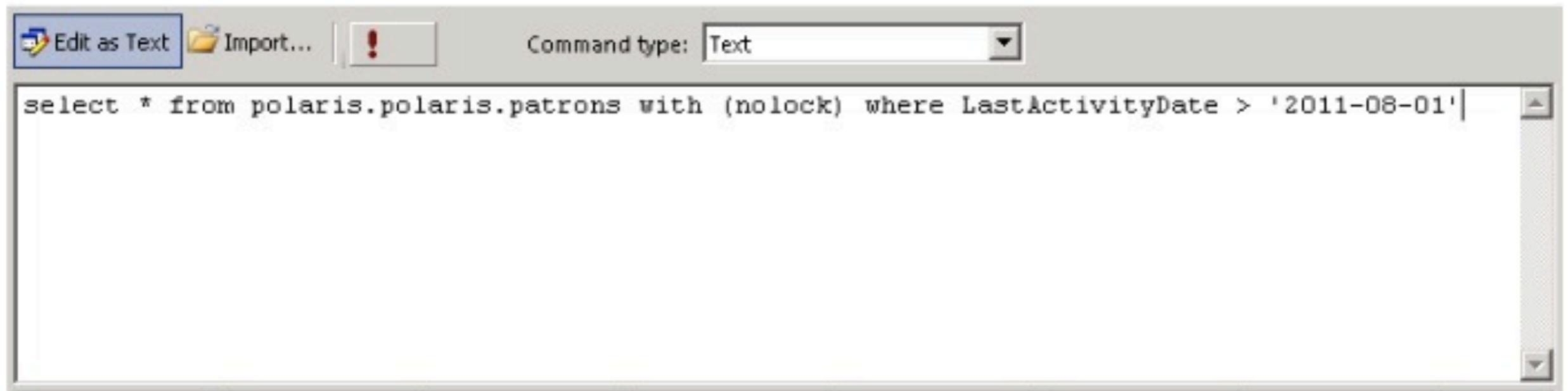
Report Run Time: 9/8/2011 7:45:05 PM

Report Start Date: 8/1/2011 12:00:00 AM **Report End Date:** 8/31/2011 11:59:59 PM

Patron ID	Barcode	Last Activity Date
37	 * 2 0 2 3 1 0 0 0 1 5 0 3 2 3 *	8/1/2011 11:46:39 AM
73	 * 2 1 8 6 9 0 0 0 7 9 3 2 2 7 *	8/11/2011 7:29:53 AM
74	 * 2 1 8 6 9 0 0 0 4 7 0 2 0 6 *	8/20/2011 11:40:14 AM
89	 * 2 1 8 6 8 0 0 1 9 4 8 9 9 6 *	8/13/2011 11:57:15 AM
90	 * 2 0 2 3 1 0 0 0 1 3 5 2 3 3 *	8/29/2011 6:17:57 PM
108	 * 2 0 2 3 1 0 0 0 1 3 6 9 4 2 *	8/25/2011 3:13:39 PM
119	 * 2 0 3 0 5 0 0 0 0 3 4 3 4 7 *	8/16/2011 11:45:38 AM

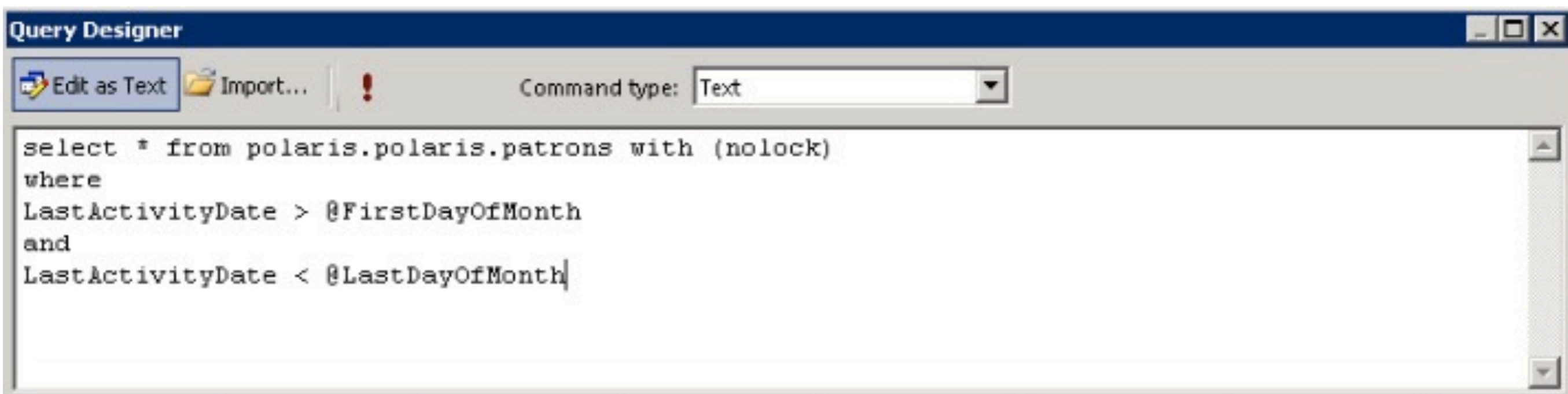


Separating Data from Design



A screenshot of a SQL query editor window. The window has a title bar with "Edit as Text" and "Import..." buttons, and a "Command type" dropdown menu set to "Text". The main text area contains the following SQL query:

```
select * from polaris.polaris.patrons with (nolock) where LastActivityDate > '2011-08-01'
```



A screenshot of a SQL query editor window titled "Query Designer". The window has a title bar with "Edit as Text" and "Import..." buttons, and a "Command type" dropdown menu set to "Text". The main text area contains the following SQL query:

```
select * from polaris.polaris.patrons with (nolock)
where
LastActivityDate > @FirstDayOfMonth
and
LastActivityDate < @LastDayOfMonth
```

Dataset SQL as Text

Data source:

Polaris

New...

Query type:

Text Table Stored Procedure

Query:

```
select o.abbreviation as patronbranchabbr,pr.patronfullname,p.barcode  
as patronbarcode,pr.altemailaddress,pr.emailaddress from  
polaris.patronregistration pr with (nolock) inner join polaris.patrons p  
with (nolock) on (pr.patronid = p.patronid) inner join  
polaris.organizations o with (nolock) on (p.organizationid =  
o.organizationid) where p.organizationid in (@OrganizationList) and  
pr.deliveryoptionid = 1 and pr.emailaddress is not null and  
pr.emailaddress > ' ' order by patronbranchabbr asc,patronfullname|asc
```

f_x

What a Mess!

Data source:

Polaris

New...

Query type:

Text Table Stored Procedure

Select or enter stored procedure name:

Polaris.Rpt_ItemCircCollMatTran

f_x

Query Designer...

Refresh Fields

Much cleaner

```
select o.abbreviation as patronbranchabbr,pr.patronfullname,p.barcode
as patronbarcode,pr.altemailaddress,pr.emailaddress from
polaris.patronregistration pr with (nolock) inner join polaris.patrons p
with (nolock) on (pr.patronid = p.patronid) inner join
polaris.organizations o with (nolock) on (p.organizationid =
o.organizationid) where p.organizationid in (@OrganizationList) and
pr.deliveryoptionid = 1 and pr.emailaddress is not null and
pr.emailaddress > ' ' order by patronbranchabbr asc,patronfullname|asc
```

Ugly

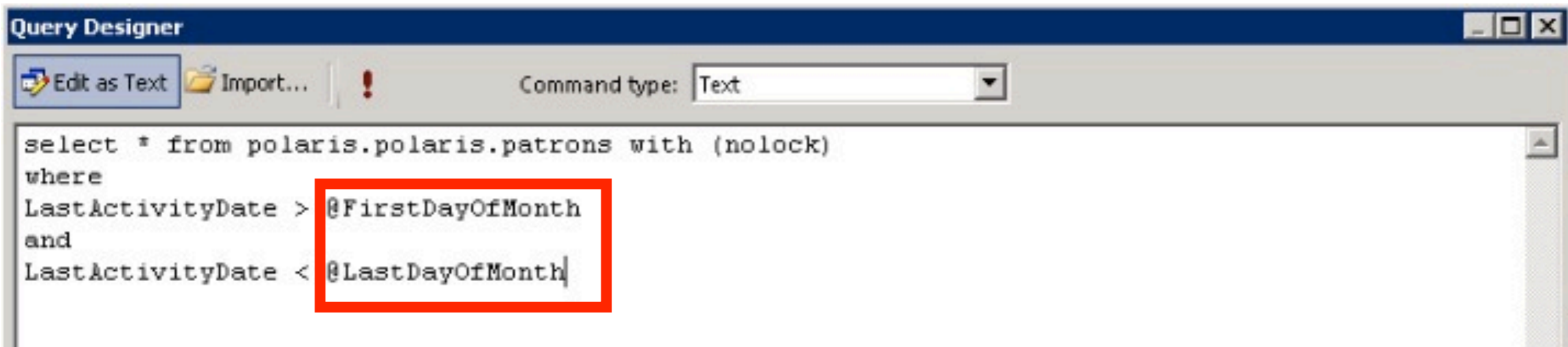
```

1 USE [Polaris]
2 GO
3
4 /***** Object:  StoredProcedure [Polaris].[Rpt_ItemCircCollMat]      Script Date: 09/01/2011 11:42:02 *****/
5 SET ANSI_NULLS ON
6 GO
7
8 SET QUOTED_IDENTIFIER ON
9 GO
10
11
12 CREATE PROCEDURE [Polaris].[Rpt_ItemCircCollMat]
13     @OrganizationList varchar(MAX)
14 AS
15 BEGIN
16     SET NOCOUNT ON
17
18     CREATE TABLE #Branches (OrganizationID INT)
19     IF LEN(@OrganizationList) = 1 AND @OrganizationList = '0' -- ALL SELECTED
20     BEGIN
21         INSERT INTO #Branches
22         SELECT OrganizationID FROM Polaris.Organizations WITH (NOLOCK) WHERE OrganizationCodeID IN (3)
23     END
24     ELSE
25     BEGIN
26         EXEC ('INSERT INTO #Branches SELECT OrganizationID FROM Polaris.Organizations WITH (NOLOCK) WHERE Orga:
27     END
28
29     declare @strAll varchar(10)
30     select @strAll = '<All>'

```

Beautiful

But what about
parameters?



The image shows a screenshot of a 'Query Designer' window. The title bar reads 'Query Designer'. Below the title bar, there are buttons for 'Edit as Text' and 'Import...', and a 'Command type' dropdown menu set to 'Text'. The main area contains the following SQL query:

```
select * from polaris.polaris.patrons with (nolock)
where
LastActivityDate > @FirstDayOfMonth
and
LastActivityDate < @LastDayOfMonth
```

The two lines of the WHERE clause, 'LastActivityDate > @FirstDayOfMonth' and 'LastActivityDate < @LastDayOfMonth', are enclosed in a red rectangular box.

Used to be embedded in SQL

Run



Design

Views



Zoom

Zoom



First



Previous

1

of



Next



Last



Refresh



Stop



Back

Navigation



Print



Page Setup

Print

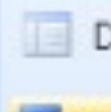


Print Layout



Export

Export



Document Map



Parameters

Options

Organization: <Select a Value>

Begin Date: <Select a Value>

- <All>
- Alexandria Public Library (ALEM)
- CLC Electronic Library (CLCe)
- FCDL Baltimore Branch Library (FCDLBA)
- FCDL Bremen Rushcreek Memorial Branch Library (FCDLB)
- FCDL Johns Memorial Branch Library (FCDLJ)
- FCDL Main Library (FCDL)

Organization: NULL

End Date:

Data source:

Polaris

New...

Query type:

Text Table Stored Procedure

Select or enter stored procedure name:

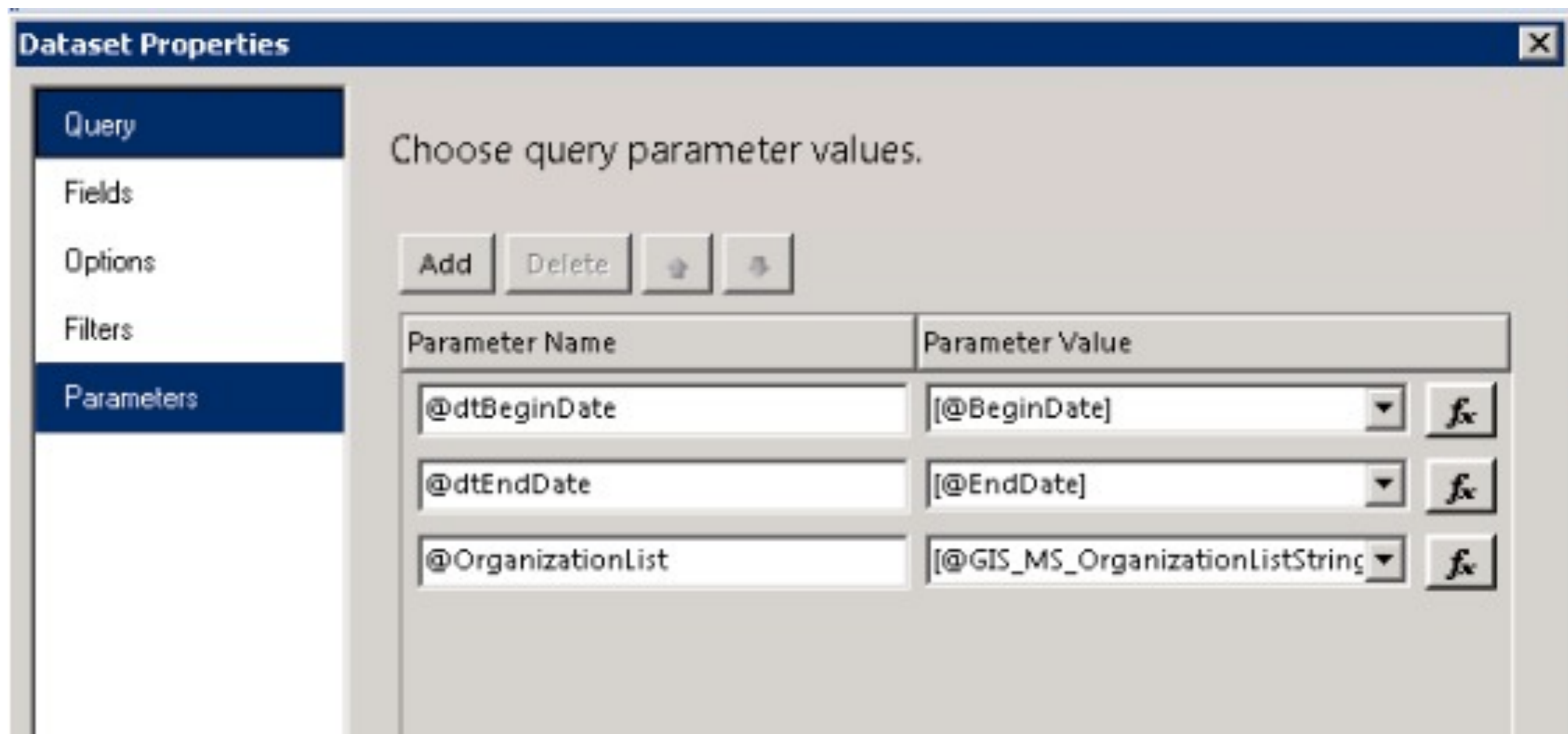
Polaris.Rpt_ItemCircCollMatTran

f_x

Query Designer...

Refresh Fields

No place for an @



Now add them manually

Add Delete ↕ ↕

Parameter Name

@dtBeginDate
@dtEndDate
@OrganizationList

```
1 USE [Polaris]
2 GO
3
4 /***** Object: StoredProcedure [Polaris].[Rpt_ItemCircCollMatTran]    Script Date: 09/01/2011 11:48:25 *****/
5 SET ANSI_NULLS ON
6 GO
7
8 SET QUOTED_IDENTIFIER ON
9 GO
10
11
12 CREATE PROCEDURE [Polaris].[Rpt_ItemCircCollMatTran]
13     @dtBeginDate datetime,
14     @dtEndDate datetime,
15     @OrganizationList varchar(MAX)
16 AS
17 BEGIN
18     SET NOCOUNT ON
19
20     CREATE TABLE #Branches (OrganizationID INT)
21     IF LEN(@OrganizationList) = 1 AND @OrganizationList = '0' -- ALL SELECTED
```

SSRS names match SP names

Dataset Properties

Query

Choose a data source and create a query.

Name:
dsItemCircCollMatTran

Use a shared dataset.
 Use a dataset embedded in my report.

Data source:
Polaris

Query type:
 Text Table Stored Procedure

Select or enter stored procedure name:
Polaris.Rpt_ItemCircCollMatTran

Query Designer... Refresh Fields

- Built-in Fields
- Parameters
 - GIS_MS_OrganizationList
 - GIS_MS_OrganizationListSt
 - BeginDate
 - EndDate
- Images
- Data Sources
- Datasets
 - dsItemCircCollMatTran**
 - CollectionName
 - MaterialType
 - ItemRecordCount
 - CirculationPercent

Refresh SP Output Columns

SMSFineText	Money is owed on your library account. Please call the library or check your account on line.
EmailFineSubj	Fine Notice
EmailFineText	The following charges have been incurred since the last notice and should be paid immediately. Thank you for your prompt attention to these charges.
MailFineSubj	Fine Notice
MailFineText	The following charges have been incurred since the last notice and should be paid immediately. Thank you for your prompt attention to these charges.
BillsEnabled	Yes
NumDaysBillingNotice	31
BillDeliveryMethod	Print ONLY
BillADDTXTMessages	Disabled
SMSBillText	Money is owed on your library account. Please call the library or check your account on line.
EmailBillSubj	BILLING NOTICE
EmailBillText	THIS IS A BILL. Your account has been charged for failure to return the following items. Please remit payment or contact the library as soon as possible.
MailBillSubj	Billing Notice
MailBillText	This is your final notice to return the item(s) listed below. You are being billed for replacement costs.

```

11
12
13
14
15 -- =====
16 -- Author:      Wes Osborn
17 -- Create date: 2011.01.24
18 -- Description: Supports SSRS custom report "Library Notices Information" that shows libraries what their noti
19 -- Updated: 2011.03.22 Added support for canceled notices
20 -- =====
21 CREATE PROCEDURE [dbo].[CLC_Custom_Rpt_LibraryNoticesInformation]
22     -- Organization code needed for process
23     @Library int
24 AS
25 BEGIN
26     -- SET NOCOUNT ON added to prevent extra result sets from
27     -- interfering with SELECT statements.
28     SET NOCOUNT ON;
29
30     declare @deliverymethod bit
31     declare @addtxtmessages varchar(10)
32
33     create table #noticeinfo (setting varchar(50),value varchar(4000))
34
35     /* what is the email notice reply to address */
36 insert into #noticeinfo (setting, value)
37 select 'ReplyEmail' as [setting], Polaris.Polaris.fn_SA_GetValue ('NSPARMRMEMAILREPLYTO',@Library) as [value]
38
451
452 /* is additional TXT delivery method enabled for reminder notices */
453 select @addtxtmessages = Polaris.Polaris.fn_SA_GetValue ('NSPARMRM_ADDTXT',@Library)
454 if @addtxtmessages = 'No'
455     begin
456         insert into #noticeinfo (setting, value)
457         select 'ReminderADDTXTMessages' as [setting], 'Disabled' as [value]
458     end
459 ELSE
460     insert into #noticeinfo (setting, value)
461     select 'ReminderADDTXTMessages' as [setting], 'Enabled' as [value]
462
463 /* Overdue REMINDER notice SMS text */
464 insert into #noticeinfo (setting, value)

```

470+ Lines of code

```

471 /* Overdue REMINDER notice EMAIL text */
472 insert into #noticeinfo (setting, value)

```


If you want to customize a
Polaris Report...

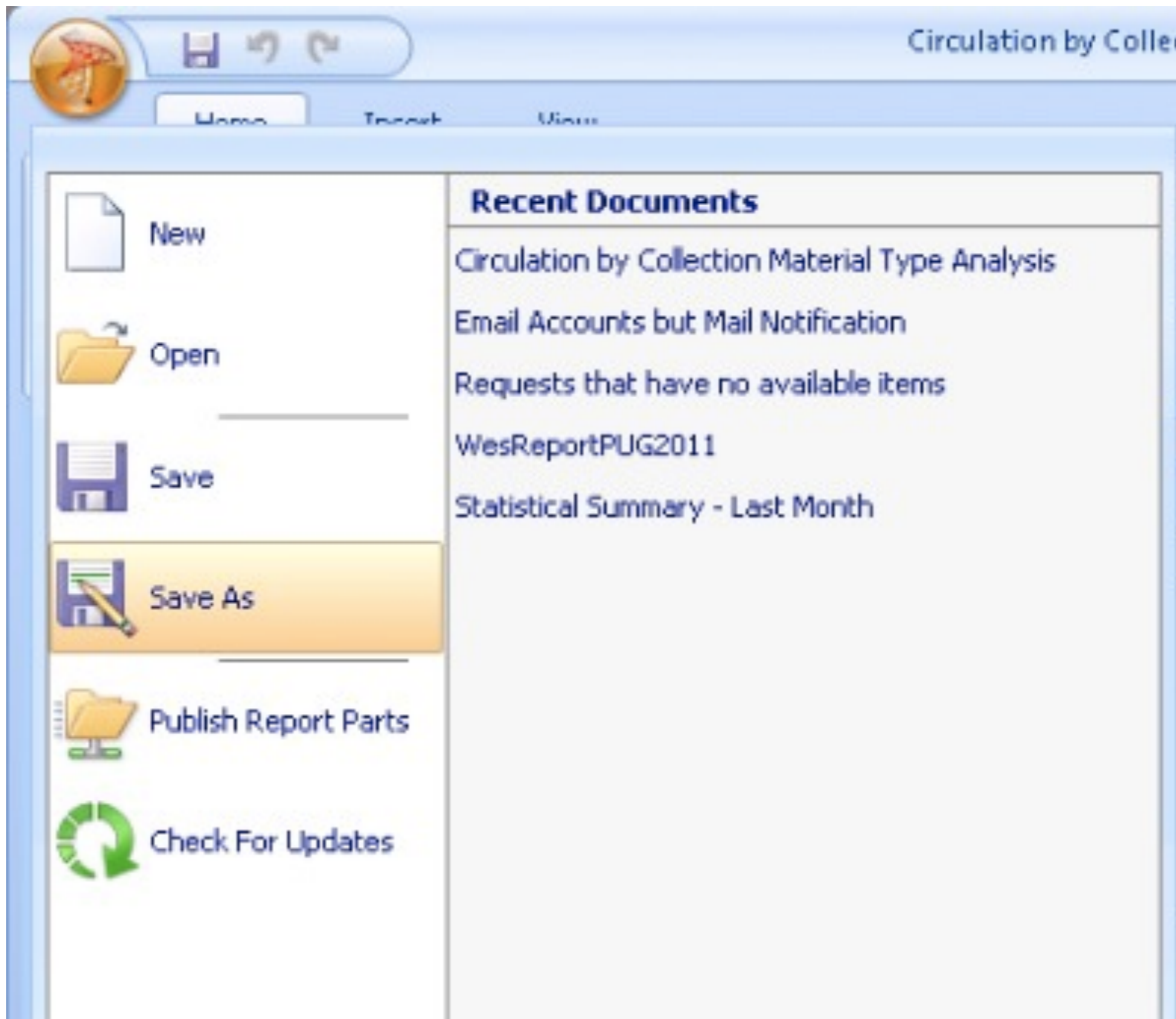
Change the RDL and
Stored Procedure

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the Object Explorer shows a tree view of a database named 'Polaris'. The 'Polaris.Rpt_ItemCircColl' stored procedure is selected, and its context menu is open. The menu options are: 'New Stored Procedure...', 'Modify', 'Execute Stored Procedure...', 'Script Stored Procedure as...', 'View Dependencies', 'Policies', and 'Facets'. The 'Script Stored Procedure as...' option is highlighted, and its sub-menu is visible, showing 'CREATE To', 'ALTER To', 'DROP To', and 'DROP And CREATE To'. The 'CREATE To' option is further expanded, showing 'New Query Editor Window', 'File ...', 'Clipboard', and 'Agent Job ...'. A red rectangle highlights the 'Script Stored Procedure as...' option and its sub-menu. In the background, a query window is open, showing the text 'CircCollMatTran] Script Date: 09/01/2011 11:48:' and 'ist= '0' -- ALL SELECTED'.

Copying Stored Procedure

```
1 USE [Polaris]
2 GO
3
4 /***** Object:  StoredProcedure [Polaris].[Rpt_ItemCircCollMatTran]      Script
5 SET ANSI_NULLS ON
6 GO
7
8 SET QUOTED_IDENTIFIER ON
9 GO
10
11
12 CREATE PROCEDURE [Polaris].[CLC_Custom_Rpt_ItemCircCollMatTran]
13     @dtBeginDate datetime,
14     @dtEndDate datetime,
15     @OrganizationList varchar(MAX)
16 AS
17 BEGIN
18     SET NOCOUNT ON
19
20     CREATE TABLE #Branches (OrganizationID INT)
```

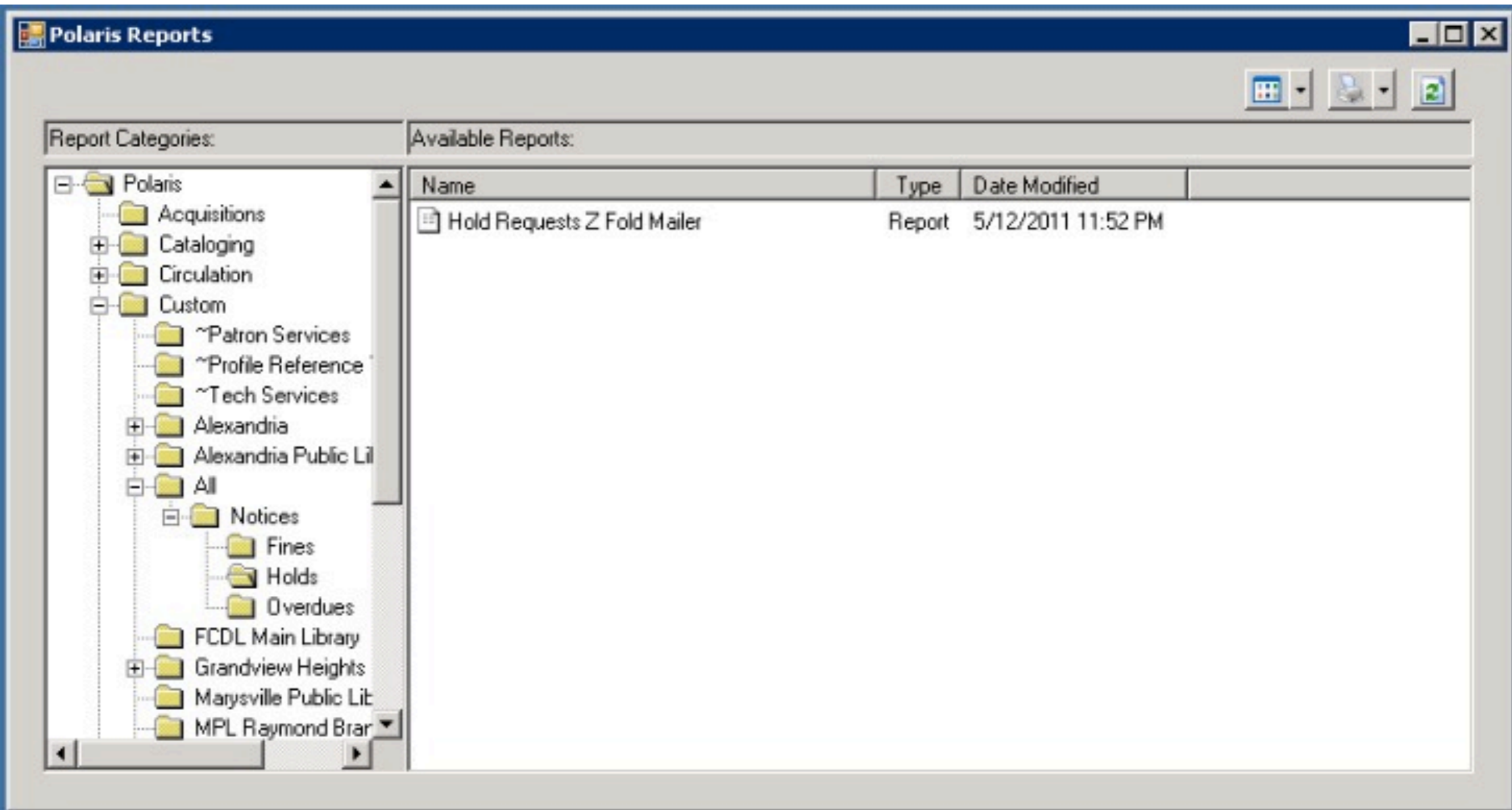
Rename it



“Save As” for a RDL Copy

A Note about Notices

Location Matters!



**Custom -> All -> Notices ->
Match Folder & Report Name**

Recap

Run



Design



Zoom

Views



First



Previous

1 of 2?



Next



Last



Refresh



Stop



Back

Navigation



Print



Page Setup

Print



Print Layout

Print



Export

Export



Document Map

Parameters

Options

Find



Find

Patron ID	Barcode	Last Activity Date
7	21869000535305	8/23/2011 6:55:17 AM
12	21868001133011	8/27/2011 10:14:37 AM
25	21170000183315	8/26/2011 7:54:01 AM
34	21868001949028	8/18/2011 4:57:49 PM
37	20231000150323	8/1/2011 11:46:39 AM
40	20231000151040	8/27/2011 10:57:45 AM
44	20231000023140	8/25/2011 1:34:41 PM
73	21869000793227	8/11/2011 7:29:53 AM
74	21869000470206	8/20/2011 11:40:14 AM
87	21869000607104	8/24/2011 6:56:17 PM
89	21868001948996	8/13/2011 11:57:15 AM
96	21868001705552	8/29/2011 1:06:48 PM



Run



Design

Views



Zoom

Zoom



First



Previous

1

of 2 ?



Next



Last



Refresh



Stop






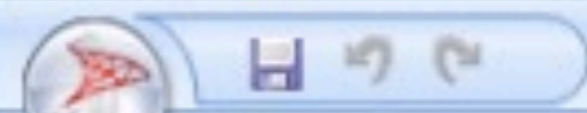
Back



Print

Navigation

Patron ID	Barcode	Last Activity Date
7	 * 2 1 8 6 9 0 0 0 5 3 5 3 0 5 *	8/23/2011 6:55:17 AM
12	 * 2 1 8 6 8 0 0 1 1 3 3 0 1 1 *	8/27/2011 10:14:37 AM
25	 * 2 1 1 7 0 0 0 0 1 8 3 3 1 5 *	8/26/2011 7:54:01 AM



Run



Design

Views



Zoom

Zoom



First



Previous

2

of 3 ?



Next



Last



Refresh



Stop



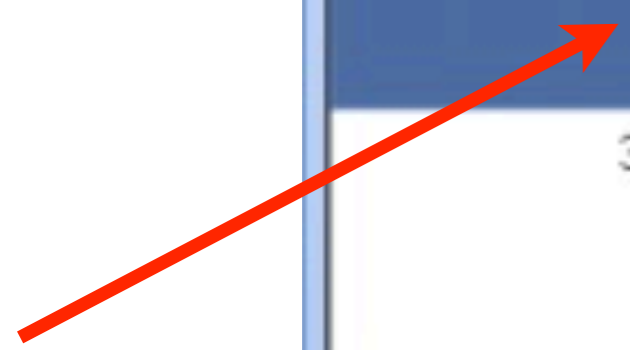
Back



Print

Navigation

Patron ID	Barcode	Last Activity Date
325	 * 2 1 8 6 8 0 0 1 5 4 0 0 7 4 *	
328	 * 2 1 8 6 8 0 0 1 0 7 9 6 9 3 *	
339	 * 2 1 1 7 0 0 0 0 2 5 2 9 8 7 *	
343	 * 2 1 8 7 0 0 0 0 0 1 6 1 8 9 *	





Run



Design

Views



Zoom

Zoom



First



Previous

1 of 2?



Next



Last



Refresh



Stop



Back






Print

Patron ID	Barcode	Last Activity Date
7	 * 2 1 8 6 9 0 0 0 5 3 5 3 0 5 *	8/23/2011 6:55:17 AM
12	 * 2 1 8 6 8 0 0 1 1 3 3 0 1 1 *	8/27/2011 10:14:37 AM
25	 * 2 1 1 7 0 0 0 0 1 8 3 3 1 5 *	8/26/2011 7:54:01 AM
34	 * 2 1 8 6 8 0 0 1 9 4 9 0 2 8 *	8/18/2011 4:57:49 PM
37	 * 2 0 2 3 1 0 0 0 1 5 0 3 2 3 *	8/1/2011 11:46:39 AM
40	 * 2 0 2 3 1 0 0 0 1 5 1 0 4 0 *	8/27/2011 10:57:45 AM

PUG Test Report

Report Run Time: 8/31/2011 1:27:01 PM

Report Start Date: 7/1/2011 12:00:00 AM Report End Date: 7/31/2011 11:59:59 PM

Patron ID	Barcode	Last Activity Date
32	 * 2 1 8 6 9 0 0 0 3 1 4 2 6 3 *	7/6/2011 12:56:01 PM
47	 * 2 1 8 7 1 0 0 0 2 7 2 6 5 7 *	7/11/2011 5:11:16 PM
71	 * 2 1 8 6 8 0 0 2 2 0 6 8 9 9 *	7/26/2011 12:21:16 PM
82	 * 2 1 8 7 1 0 0 0 0 6 8 0 7 1 *	7/7/2011 6:35:43 PM
307	 * 2 1 8 6 8 0 0 1 9 4 8 5 5 8 *	7/19/2011 2:26:26 PM





One more thing...

WesReportPUG

Run

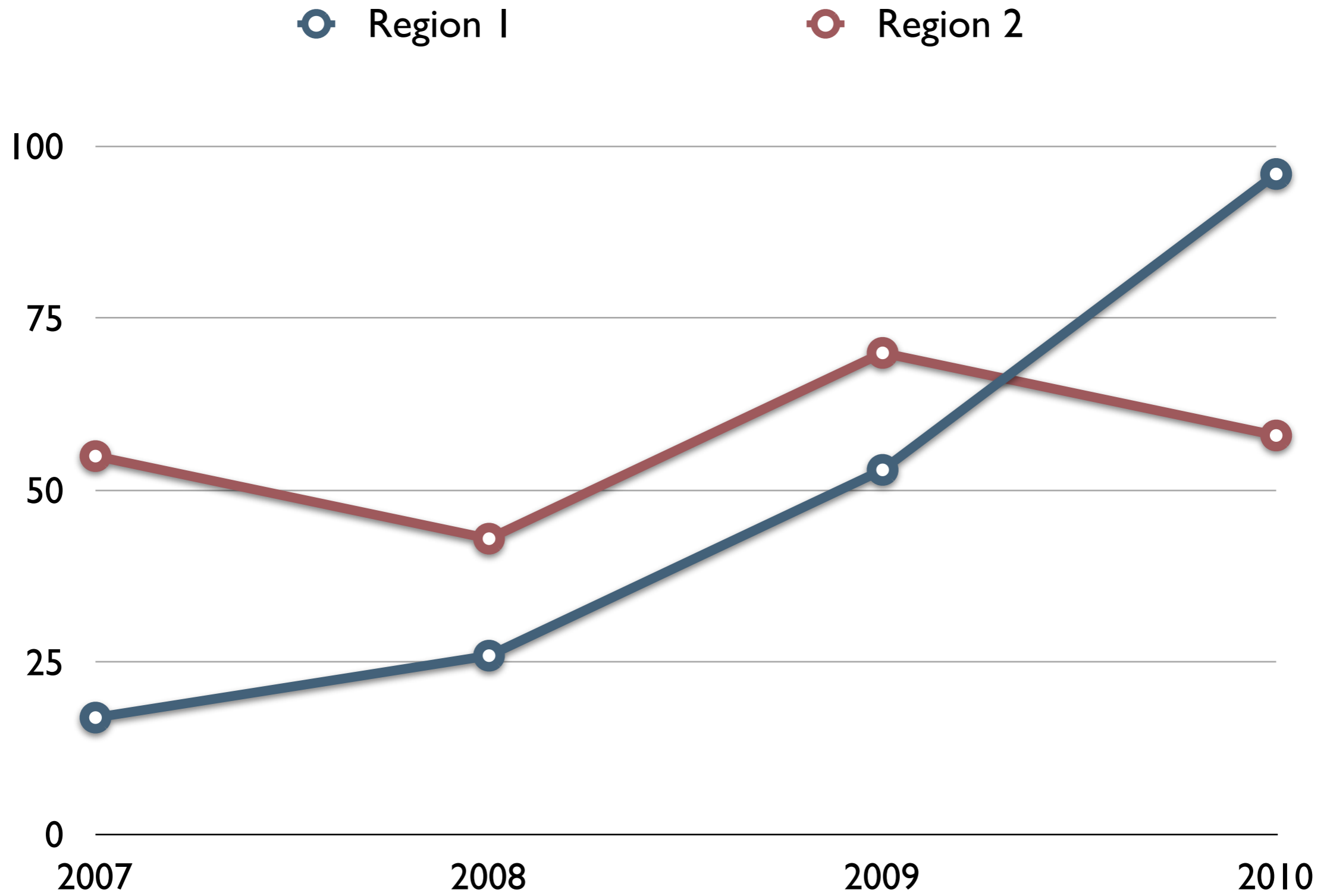
Design Zoom First Previous **189 of 189** Next Last Refresh Stop Back

Views Zoom Navigation

20062	 * 2 1 8 6 8 0 0 0 9 0 1 2 5 1 *	7/31/2011 4:44:12 PM
221936	 * 2 1 8 7 0 0 0 2 1 3 2 0 5 9 *	7/31/2011 4:46:35 PM
100143	 * 2 1 8 7 0 0 0 0 2 8 1 9 5 7 *	7/31/2011 4:48:14 PM
48917	 * 2 1 1 7 0 0 0 0 4 9 6 2 5 3 *	7/31/2011 4:52:41 PM

189 Pages!

The Solution...



Charts!



```
select datepart(d, lastactivitydate) as DayOfMonth, count(*) as NumberOfPatrons
from polaris.polaris.patrons with (nolock)
where
LastActivityDate > @FirstDayOfMonth
and
LastActivityDate < @LastDayOfMonth
group by datepart(d, lastactivitydate)
order by datepart(d, lastactivitydate)
```

Simplifying the data set

Home

Insert

View



Report Parts



Table



Matrix



List

Data Regions



Chart



Gauge



Map



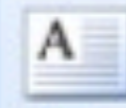
Data Bar



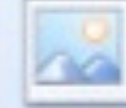
Sparkline



Indicator



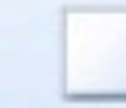
Text Box



Image



Line



Rectangle



Subreport

Subreports

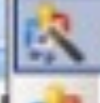


Chart Wizard...



Insert Chart

The wizard guides you through adding a chart to the report.

PUG Test Report

Report Run Time: [&ExecutionTime]

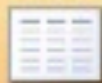
Report Start Date: [@FirstDayOfMonth]

Report End Date: [@LastDayOfMonth]

Choose a dataset

Choose a dataset

- Choose an existing dataset in this report or a shared dataset



DataSet1
[in this Report] DayOfMonth, NumberOfPatrons

[Browse...](#)

- Create a dataset

Choose a chart type

Choose a chart type that best displays your data.

Chart type:



Column

A column chart displays a series as a set of vertical bars grouped by category. Column charts are useful for illustrating comparisons among...



Line

A line chart displays a series as a set of points connected by a single line. Line charts are used to represent large amounts of data that occ...



Pie

A pie chart displays value data as percentages of a total. Consider using a pie chart after the data has been aggregated to seven data poi...



Bar

A bar chart displays data horizontally. It is popular for categorical information, because the categories can be displayed horizontally.



Area

The area chart displays data contiguously, so it is commonly used to represent data that occurs over a continuous period of time.

- Use a stacked chart to display the total value of multiple series.
- Use a 100 percent stacked chart to show relative proportions between multiple series.

Help

< Back

Next >

Cancel

Arrange chart fields

Add data fields to the chart. For most chart types, a field in the Categories list is displayed on the x-axis. A field in the Values list shows aggregated data on the y-axis. A field in the Series list creates a new series in the chart.

Available fields

DayOfMonth
NumberOfPatrons

Categories

DayOfMonth

Series

--

Σ Values

Sum(NumberOfPatrons) ▼

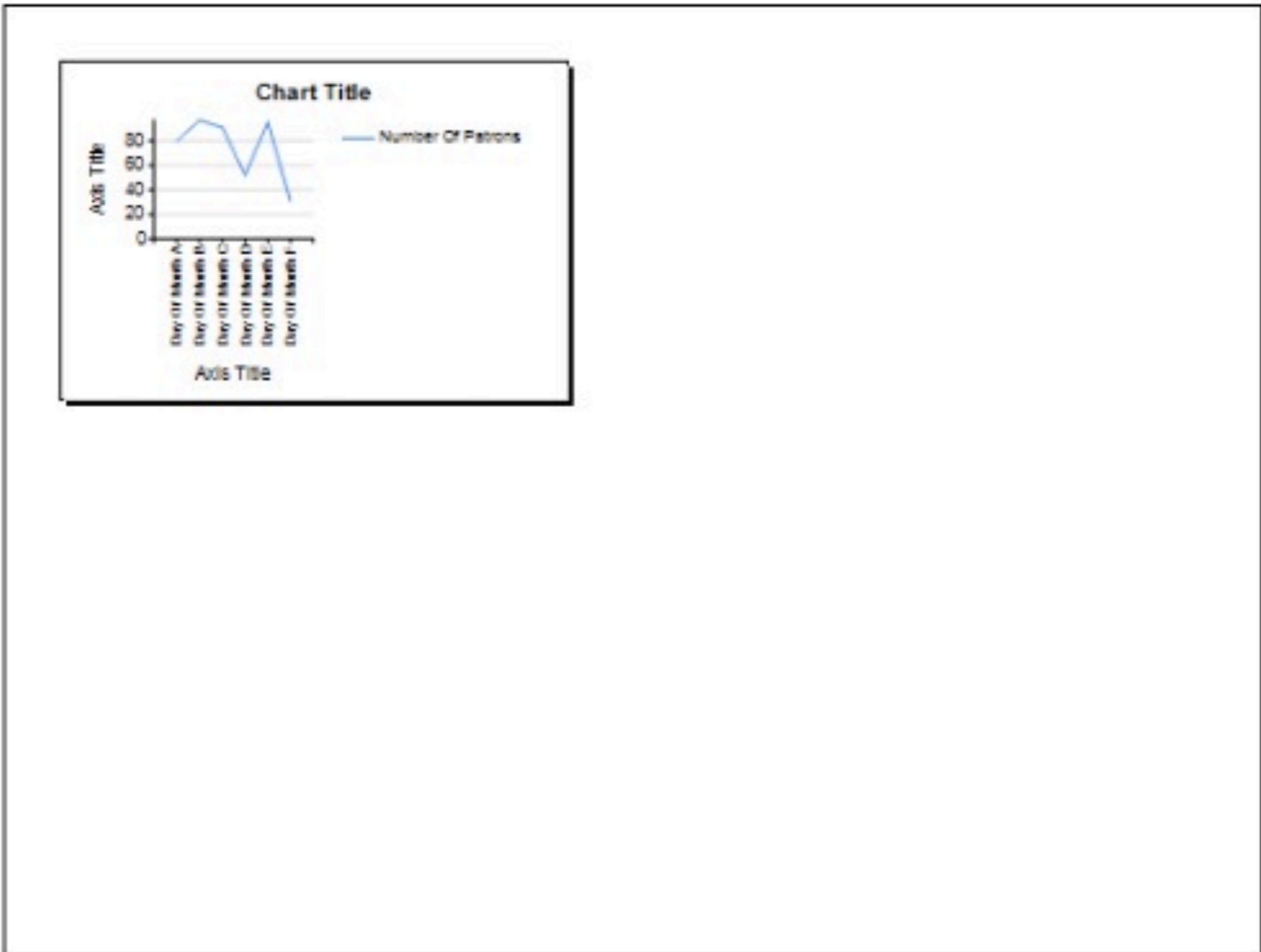
Choose a style

Styles feature different fonts and color schemes, but do not affect the basic layout. You can customize the style after you finish the wizard.

Styles:

- Corporate
- Forest
- Generic**
- Mahogany
- Ocean
- Slate

Preview



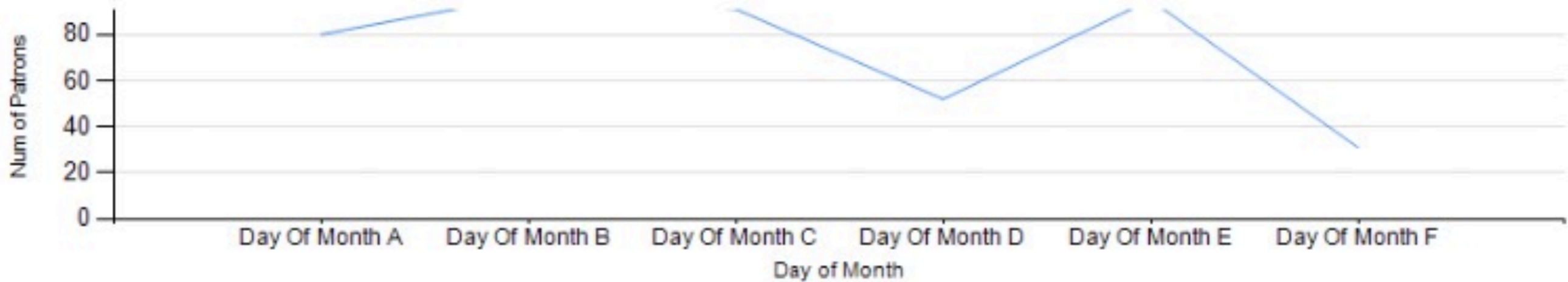
PUG Test Report

Report Run Time: [&ExecutionTime]

Report Start Date: [@FirstDayOfMonth]

Report End Date: [@LastDayOfMonth]

=Most Active Days in " & MonthName(DatePart("m",Parameters!FirstDayOfMonth.Value)) & " (based upon LastActivityDate)"

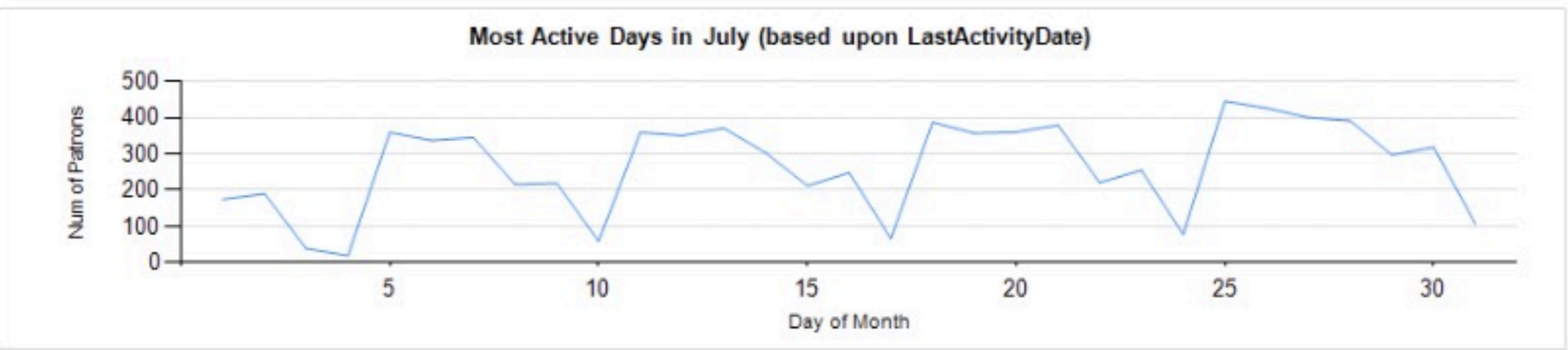


Cleanup Chart Object

PUG Test Report

Report Run Time: 8/31/2011 3:31:07 PM

Report Start Date: 7/1/2011 12:00:00 AM **Report End Date:** 7/31/2011 11:59:59 PM



New Report Output



Giveaway Time!

Questions?
wosborn@clcoho.org

Slides available at
<http://bit.ly/pug2011wes>