Campus Days
14.-16. januar 2010

Rapportering med SharePoint 2010 og SQL Server 2008 R2

Carsten Fetterlein Hansen

carstenf@microsoft.com

Microsoft TechNet

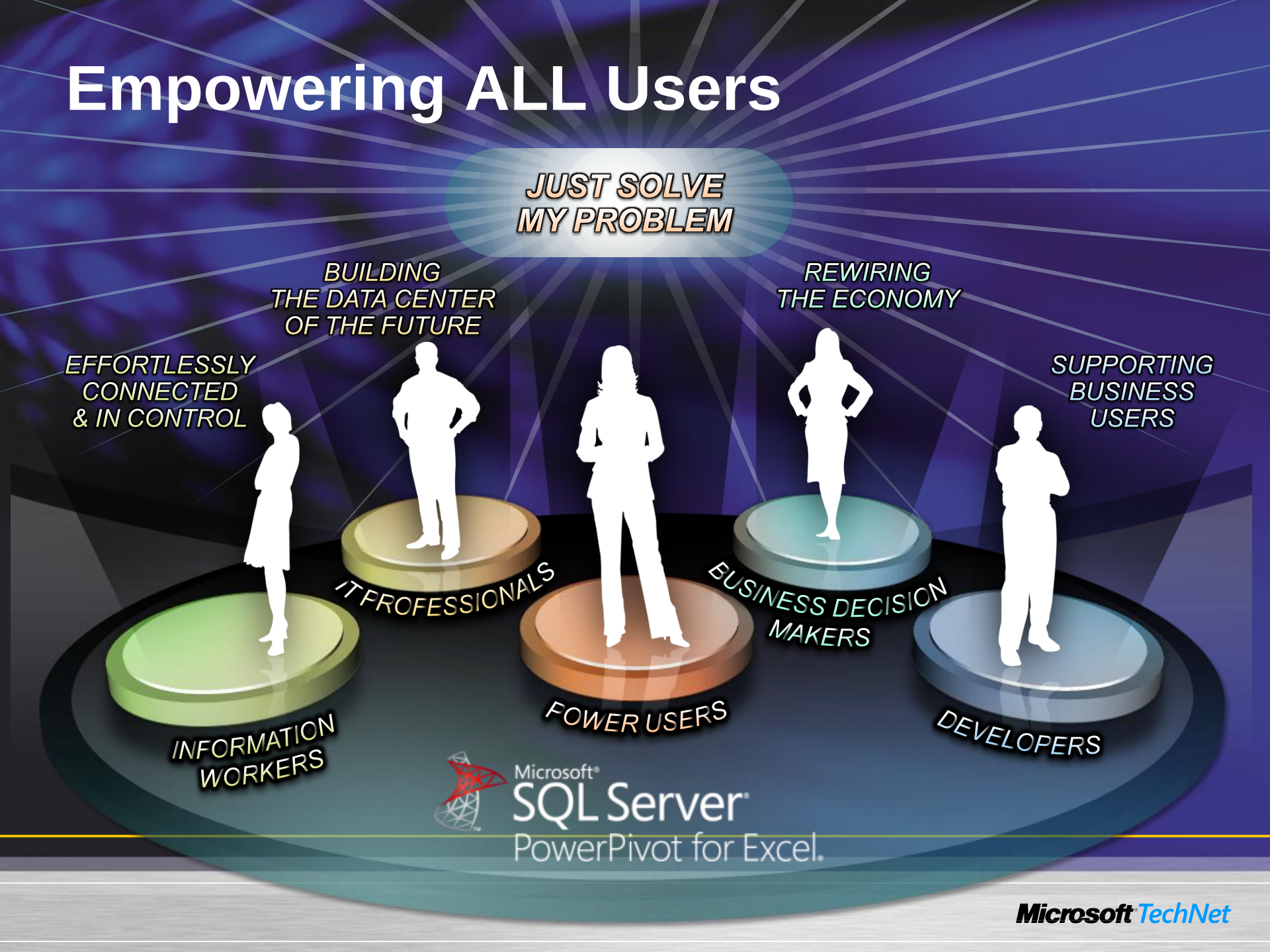
Formålet med denne session er at give et indblik i mulighederne med SQL Server 2008 R2 Report Builder og SharePoint 2010

20%

Today's BI Reality for Most Organizations

Difficult To Use	"Foreign" tools inhibit adoption and use
Fragmented	Functionality split across multiple tools
Inflexible	Rigid and unable to change with the business
Departmental	Narrowly deployed without a complete view
Costly	Too costly for broad deployment

Empowering ALL Users

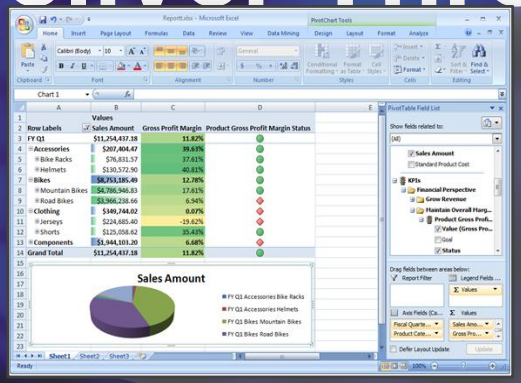


Microsoft BI Vision & Strategy

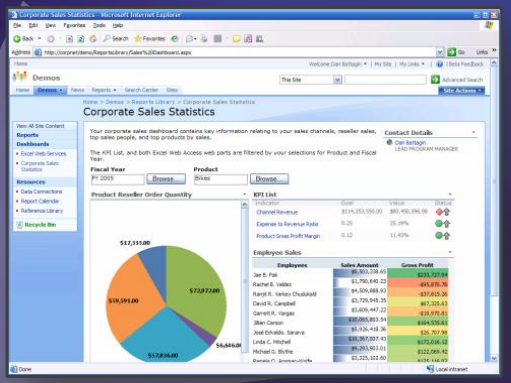
Improving organizations by providing business insights to ***all*** employees leading to better, faster, more relevant decisions

- Thinking Bigger About BI
- Complete & integrated Business Intelligence offering
- Empower decision makers across your extended organization

Deliver Through Office



Analyze data in Excel

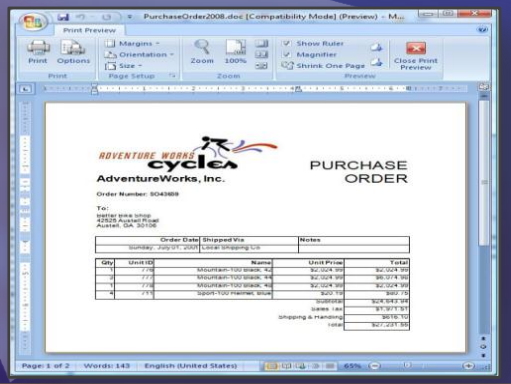


Publish reports and analysis to SharePoint

SQL Server

Collaborate and share reports, analysis, and scorecards

Render reports in Microsoft Office



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Microsoft SQL Server 2008 R2

Empowering end users through "Managed Self-Service BI"

End User Empowerment

+

IT Management & Compliance

"Managed Self Service BI" delivered through:

- Self Service Analysis → Desktop Analytics
- **Self Service Reporting → End User Reporting**
- **SharePoint Integration → Sharing, Collaboration & Management**

Build

- Connect to data
- Integrate your data
- Develop visually

Manage

- Predictable response
- Simplified management
- Scale across mixed workloads

Deliver

- Deliver relevant information
- Drive actionable insights
- Share insights

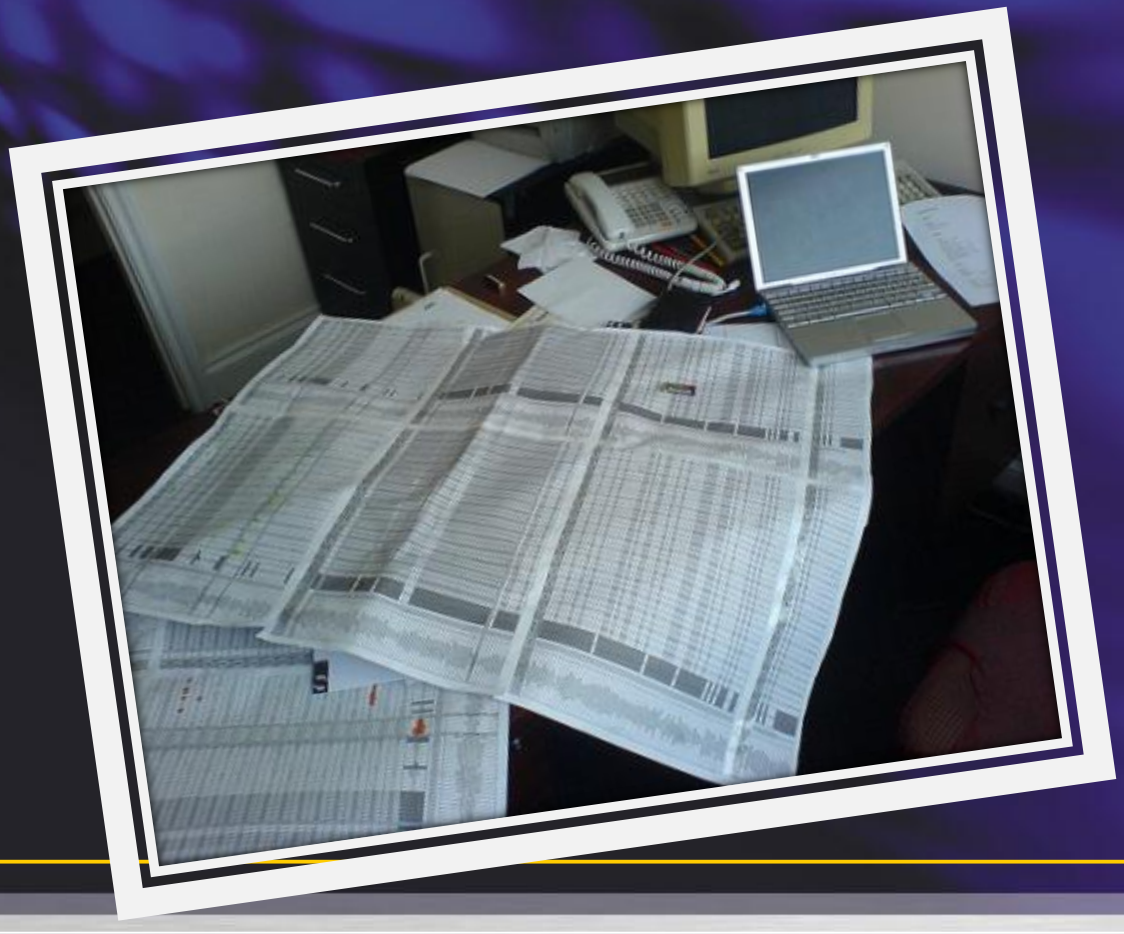
DEVELOPERS

IT PROFESSIONALS

POWER USERS/INFORMATION WORKERS

BUSINESS DECISION MAKERS

Microsoft SQL Server 2008 R2



rapporter

demo

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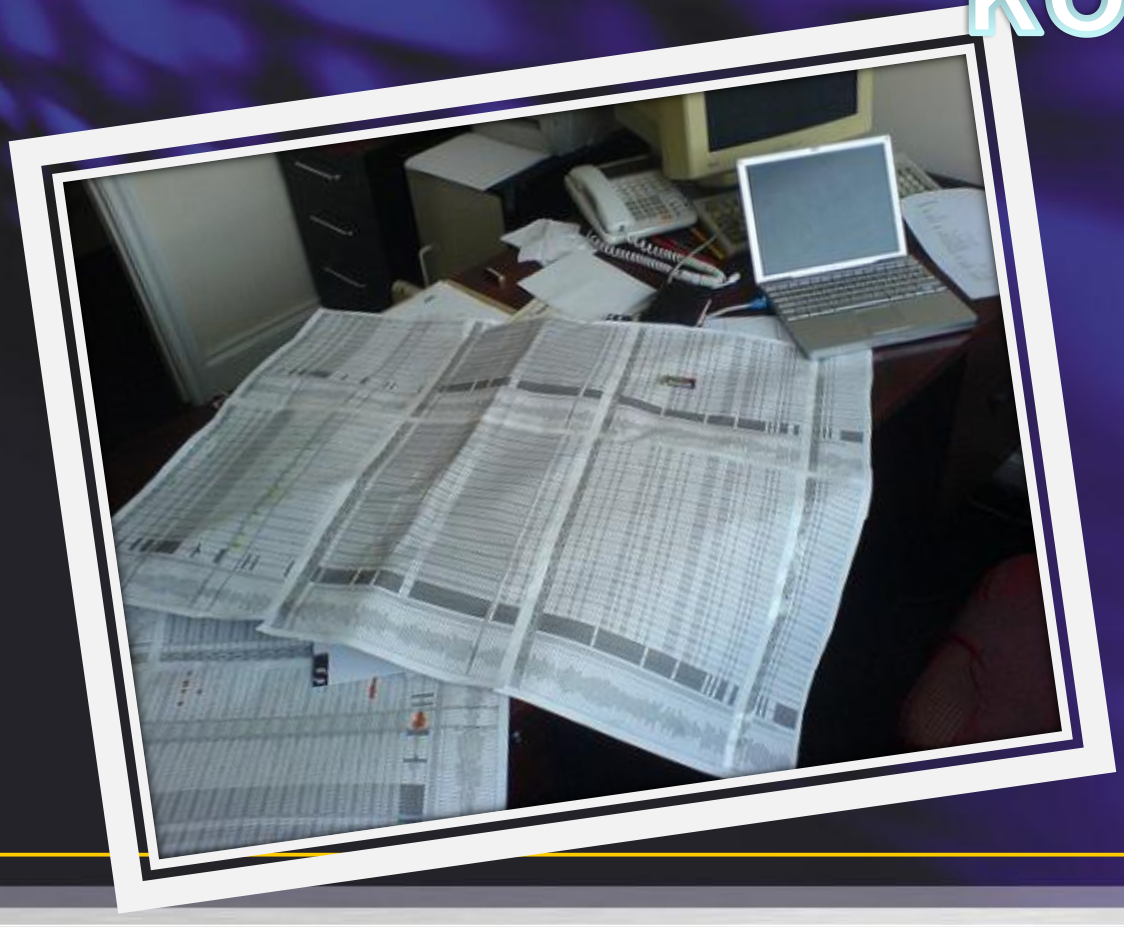
Self Service Report Authoring

- Productive & Intuitive Authoring:
  - Report part publishing and reuse
  - Leverage hours of IT investment in Predefined reports. All reports can now be componentized and shared with IW and other IT users.
- Collaboration:
  - “Grab & Go” reporting with a shared component library

Microsoft SQL Server 2008 R2

Rapport komponenter



demo

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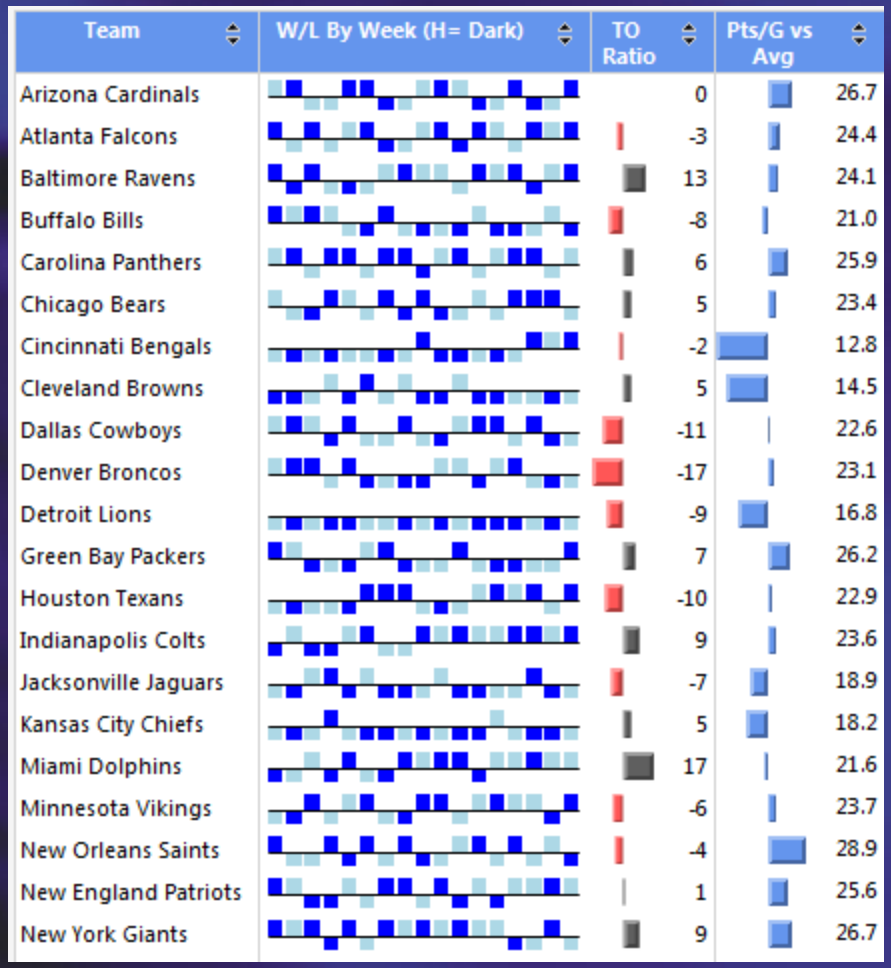
Tablix Visualizations: Sparklines and Data Bars

- Sparklines
  - "Data intense, word-sized graphics" – *Tufte*
  - Automatic axis alignment. All charts can have the same data points, regardless of source data.
  - Can be converted into full charts to support additional small multiple scenarios.
- Data Bars
  - Usually depicts a single value in a cell.
  - Min and Max are automatically determined, but are configurable.

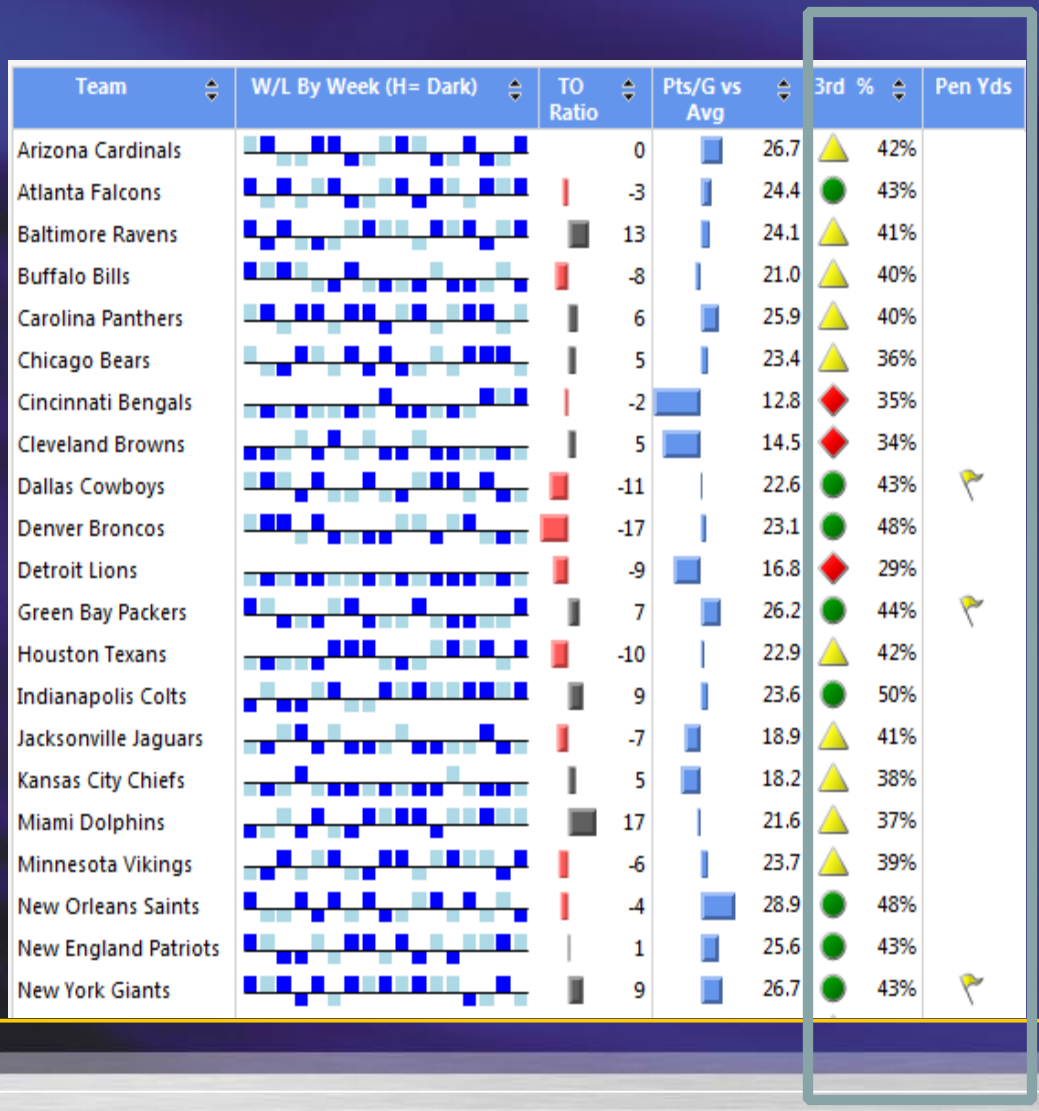


Team	W/L By Week (H= Dark)	TO Ratio	Pts/G vs Avg
Arizona Cardinals		0	26.7
Atlanta Falcons		-3	24.4
Baltimore Ravens		13	24.1
Buffalo Bills		-8	21.0
Carolina Panthers		6	25.9
Chicago Bears		5	23.4
Cincinnati Bengals		-2	12.8
Cleveland Browns		5	14.5
Dallas Cowboys		-11	22.6
Denver Broncos		-17	23.1
Detroit Lions		-9	16.8
Green Bay Packers		7	26.2
Houston Texans		-10	22.9
Indianapolis Colts		9	23.6
Jacksonville Jaguars		-7	18.9
Kansas City Chiefs		5	18.2
Miami Dolphins		17	21.6
Minnesota Vikings		-6	23.7
New Orleans Saints		-4	28.9
New England Patriots		1	25.6
New York Giants		9	26.7

Sparklines | Data Bars

Tablix Visualization: Indicators

- Icons used to depict the status against a value, goals or a trend.
- Report authors can create their own sets or choose from several pre-configured sets.
- Colors, Icon and Size can be changed based on data.
- Automatic support for comparing each member of a group against siblings.
- Can also be placed inside gauges.



Team	W/L By Week (H= Dark)	TO Ratio	Pts/G vs Avg	3rd %	Pen Yds
Arizona Cardinals		0	26.7	42%	
Atlanta Falcons		-3	24.4	43%	
Baltimore Ravens		13	24.1	41%	
Buffalo Bills		-8	21.0	40%	
Carolina Panthers		6	25.9	40%	
Chicago Bears		5	23.4	36%	
Cincinnati Bengals		-2	12.8	35%	
Cleveland Browns		5	14.5	34%	
Dallas Cowboys		-11	22.6	43%	
Denver Broncos		-17	23.1	48%	
Detroit Lions		-9	16.8	29%	
Green Bay Packers		7	26.2	44%	
Houston Texans		-10	22.9	42%	
Indianapolis Colts		9	23.6	50%	
Jacksonville Jaguars		-7	18.9	41%	
Kansas City Chiefs		5	18.2	38%	
Miami Dolphins		17	21.6	37%	
Minnesota Vikings		-6	23.7	39%	
New Orleans Saints		-4	28.9	48%	
New England Patriots		1	25.6	43%	
New York Giants		9	26.7	43%	

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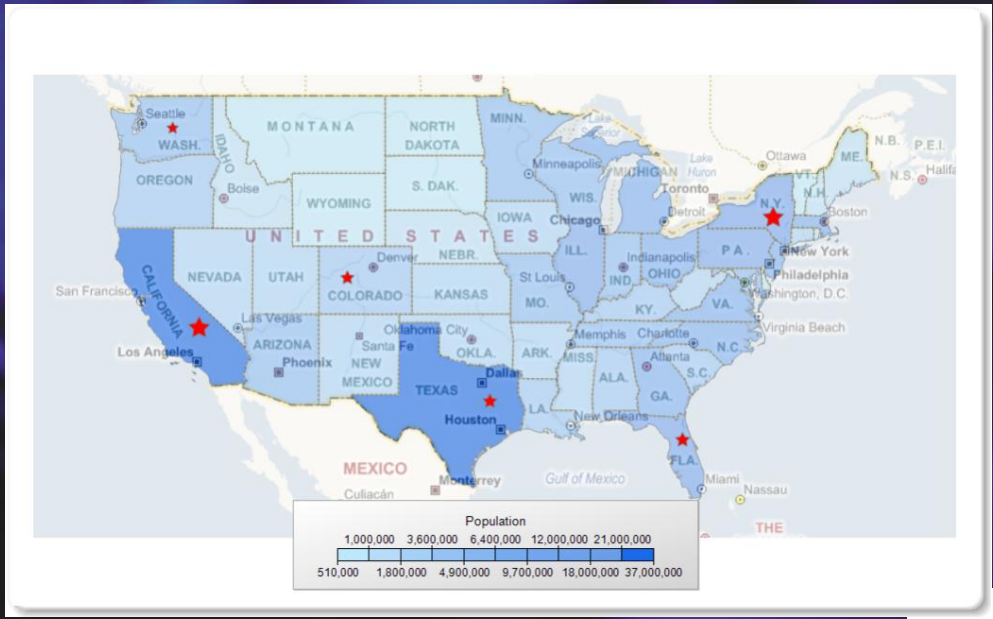
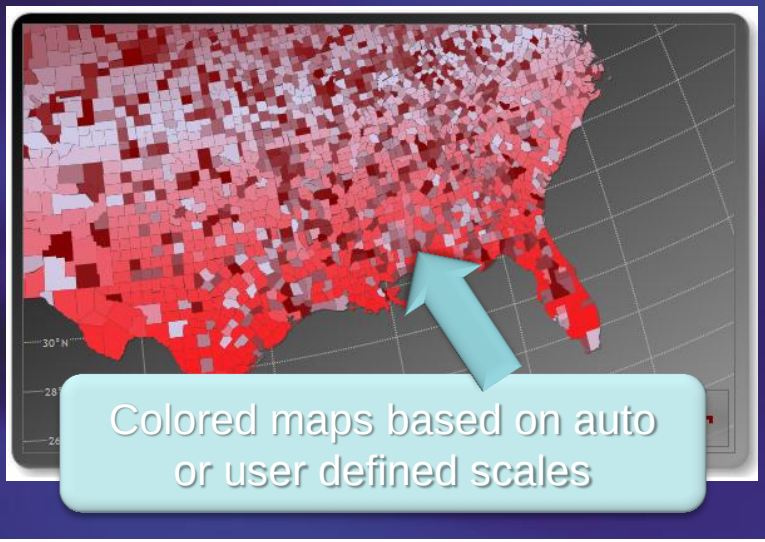
Map Features

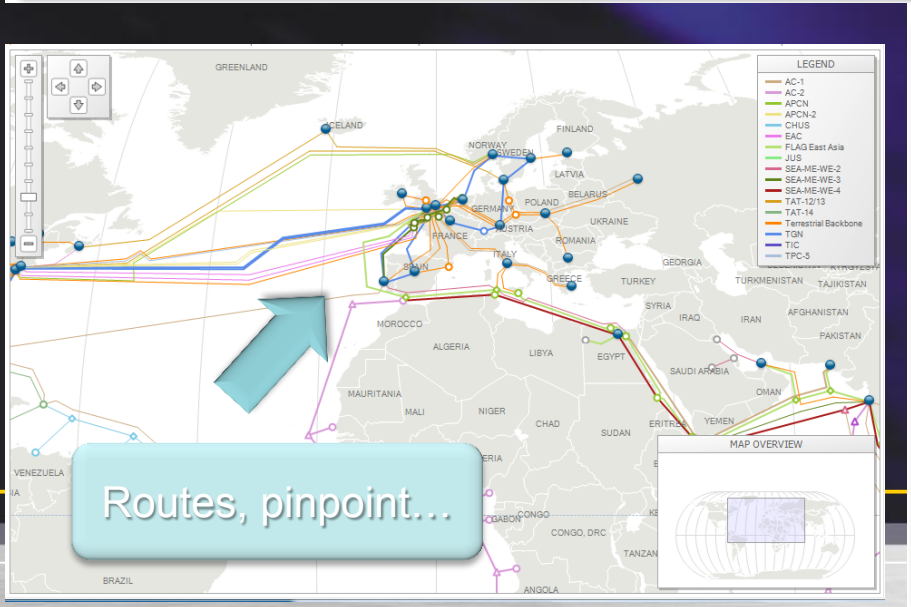
- Support for SQL Spatial
- Integration with Virtual Earth tiles
- Data Grouping
  - Equal intervals, equal distribution, optimal, user-defined
- Multiple Map layers

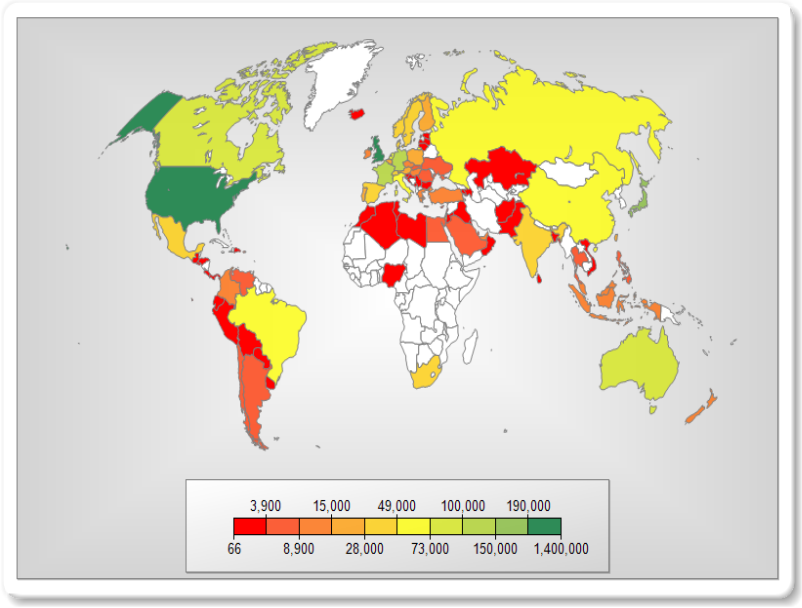
Cool looking Data Visualization: and soon…

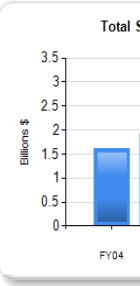




Worldwide Sales of FY08 (thousands $)



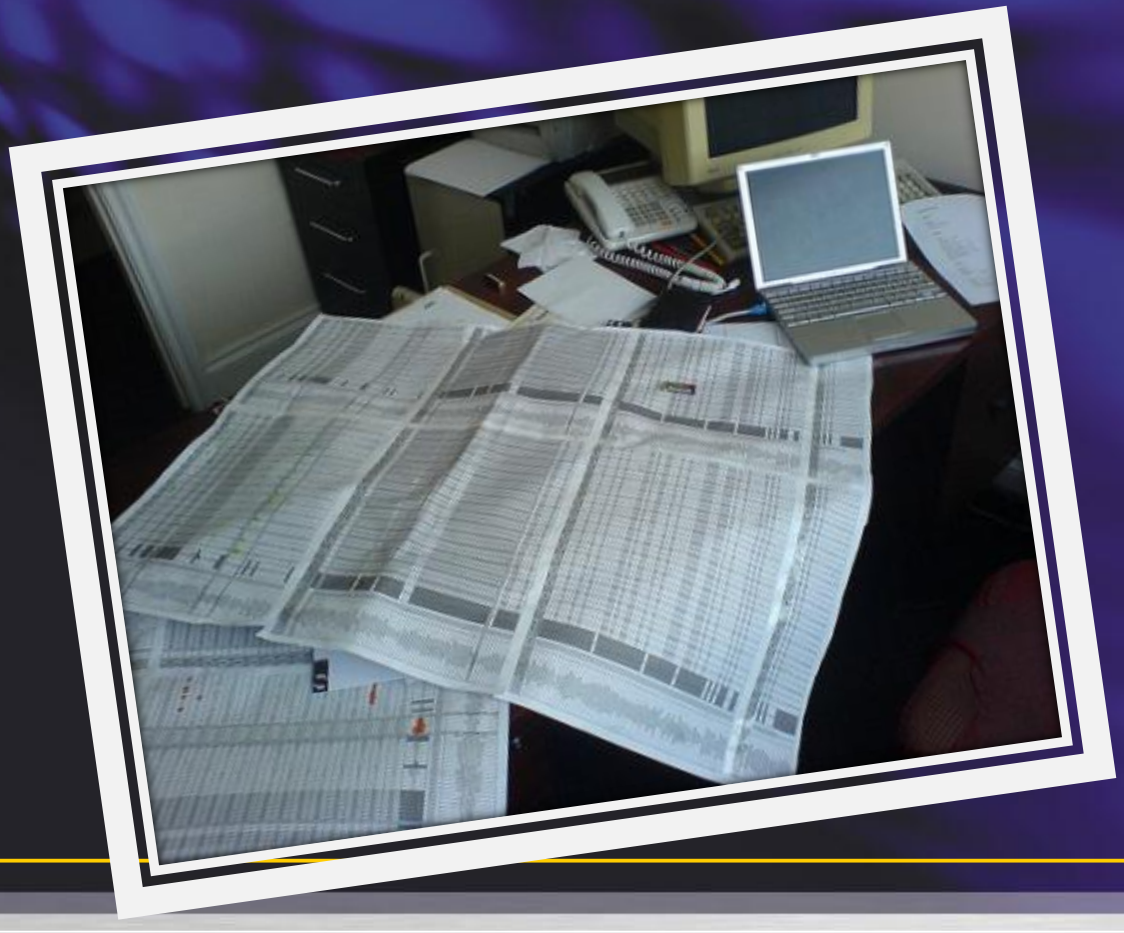




Routes, pinpoint…

Microsoft SQL Server 2008 R2

Maps



demo

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Employee Sales Summary 2008 - Microsoft SQL Server Report Builder

Home Insert View

Run Paste Merge Split Align

Views Clipboard Font Paragraph Border Number Layout

Report Data

New Edit...

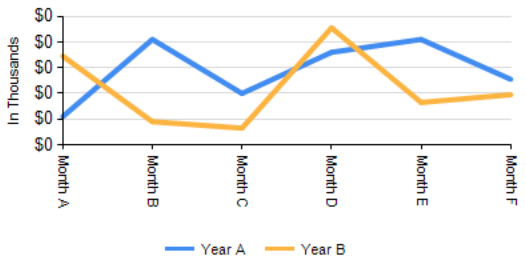
- Built-in Fields
- Parameters
- Images
- AdventureWorks2008
  - EmpSalesMonth
    - Employee
    - Year
    - MonthNumber
    - Month
    - Category
    - Sales
  - SalesEmployees
    - BusinessEntityID
    - Employee
    - JobTitle
  - EmployeeSalesYearOverY
    - Employee
    - Year
    - MonthNumber
    - Month
    - Sales
  - EmployeeSalesDetail
    - Employee
    - Subcategory
    - Sales
    - SalesOrderNumber
    - SalesOrderID
    - Product
    - OrderQty
    - UnitPrice
    - Category

[&ReportName]

ADVENTURE WORKS cycles

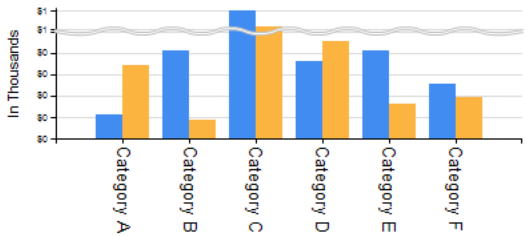
[ReportMonth]
[@ReportYear]

Yearly Sales Comparison



«Expr»		
[SalesOrderNum	[Category]	[Sum(Sales)]
		[Sum(Sales)]
	Total:	[Sum(Sales)]

«Expr»



Properties Library

Search Name and Description

Add Criteria

Name Created By

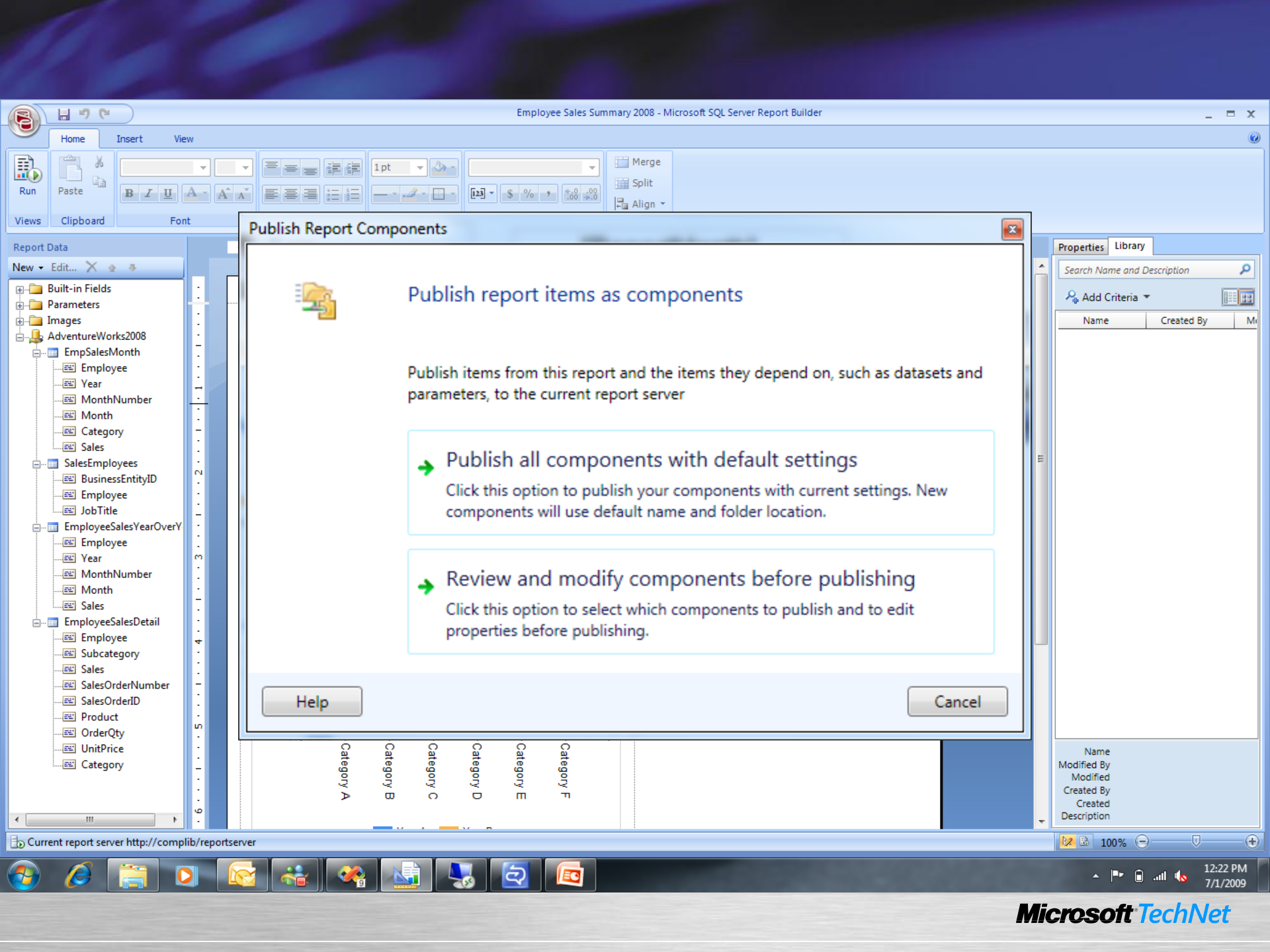
Name
Modified By
Modified
Created By
Created
Description

Current report server http://complib/reportserver

100%

12:22 PM
7/1/2009

Microsoft TechNet


Employee Sales Summary 2008 - Microsoft SQL Server Report Builder
Home
Insert
View
Run
Paste
Merge
Split
Align
Views
Clipboard
Font
Publish Report Components
Publish report items as components
Publish items from this report and the items they depend on, such as datasets and parameters, to the current report server
Publish all components with default settings
Click this option to publish your components with current settings. New components will use default name and folder location.
Review and modify components before publishing
Click this option to select which components to publish and to edit properties before publishing.
Help
Cancel
Report Data
New
Edit...
Built-in Fields
Parameters
Images
AdventureWorks2008
EmpSalesMonth
Employee
Year
MonthNumber
Month
Category
Sales
SalesEmployees
BusinessEntityID
Employee
JobTitle
EmployeeSalesYearOverY
Employee
Year
MonthNumber
Month
Sales
EmployeeSalesDetail
Employee
Subcategory
Sales
SalesOrderNumber
SalesOrderID
Product
OrderQty
UnitPrice
Category
Properties
Library
Search Name and Description
Add Criteria
Name
Created By
Name
Modified By
Modified
Created By
Created
Description
Category A
Category B
Category C
Category D
Category E
Category F
Current report server http://complib/reportserver
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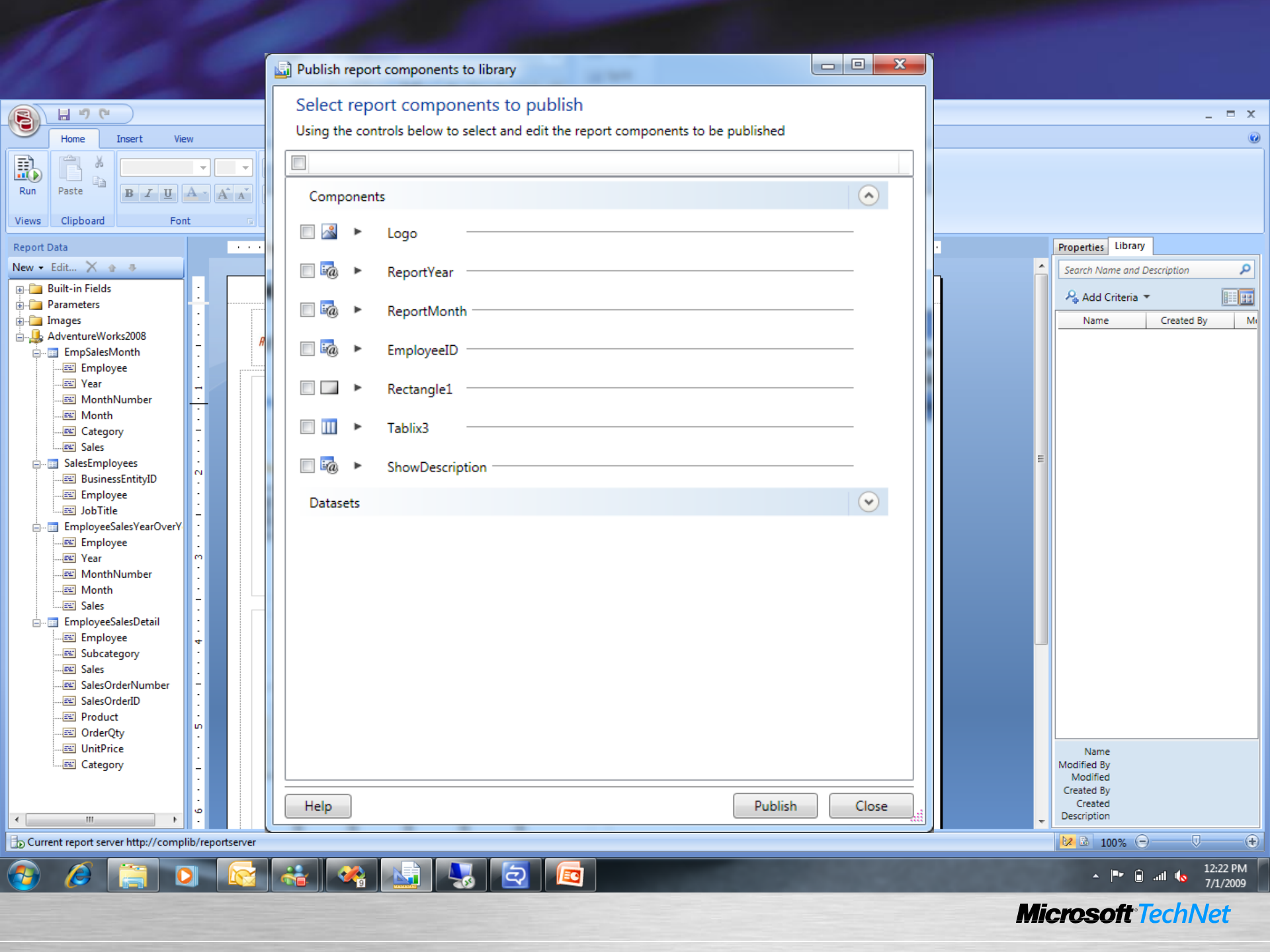
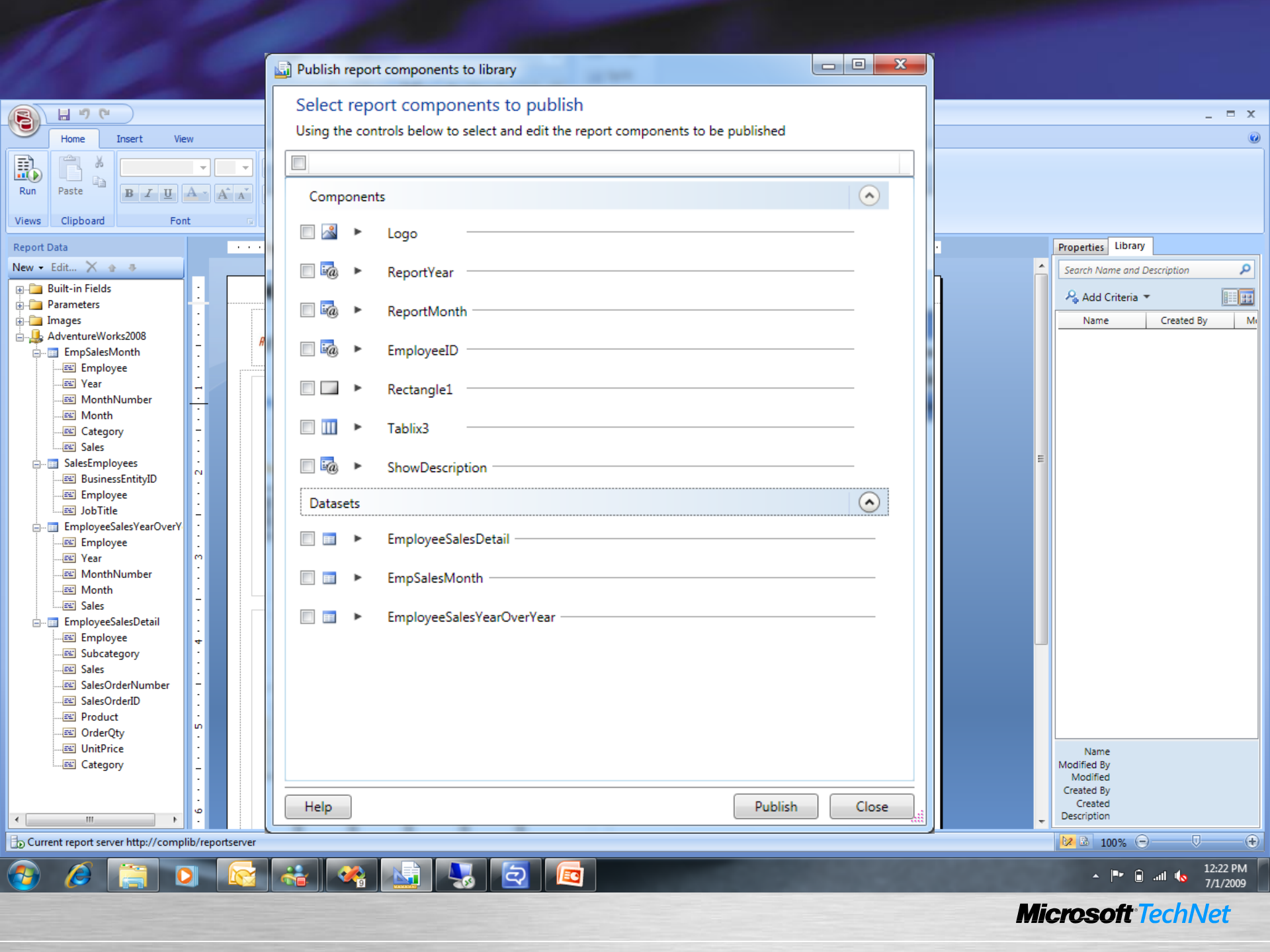
12:22 PM
7/1/2009
Microsoft TechNet


Publish report components to library
Select report components to publish
Using the controls below to select and edit the report components to be published
Components
Logo
ReportYear
ReportMonth
EmployeeID
Rectangle1
Tablix3
ShowDescription
Datasets
Help
Publish
Close
Report Data
New
Edit...
Built-in Fields
Parameters
Images
AdventureWorks2008
EmpSalesMonth
Employee
Year
MonthNumber
Month
Category
Sales
SalesEmployees
BusinessEntityID
Employee
JobTitle
EmployeeSalesYearOverY
Employee
Year
MonthNumber
Month
Sales
EmployeeSalesDetail
Employee
Subcategory
Sales
SalesOrderNumber
SalesOrderID
Product
OrderQty
UnitPrice
Category
Properties
Library
Search Name and Description
Add Criteria
Name
Created By
Name
Modified By
Modified
Created By
Created
Description
Current report server http://complib/reportserver
100%
12:22 PM
7/1/2009
Microsoft TechNet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ShowDescription
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EmployeeSalesDetail
EmpSalesMonth
EmployeeSalesYearOverYear
Help
Publish
Close
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AdventureWorks2008
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Employee
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JobTitle
EmployeeSalesYearOverY
Employee
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EmployeeSalesDetail
Employee
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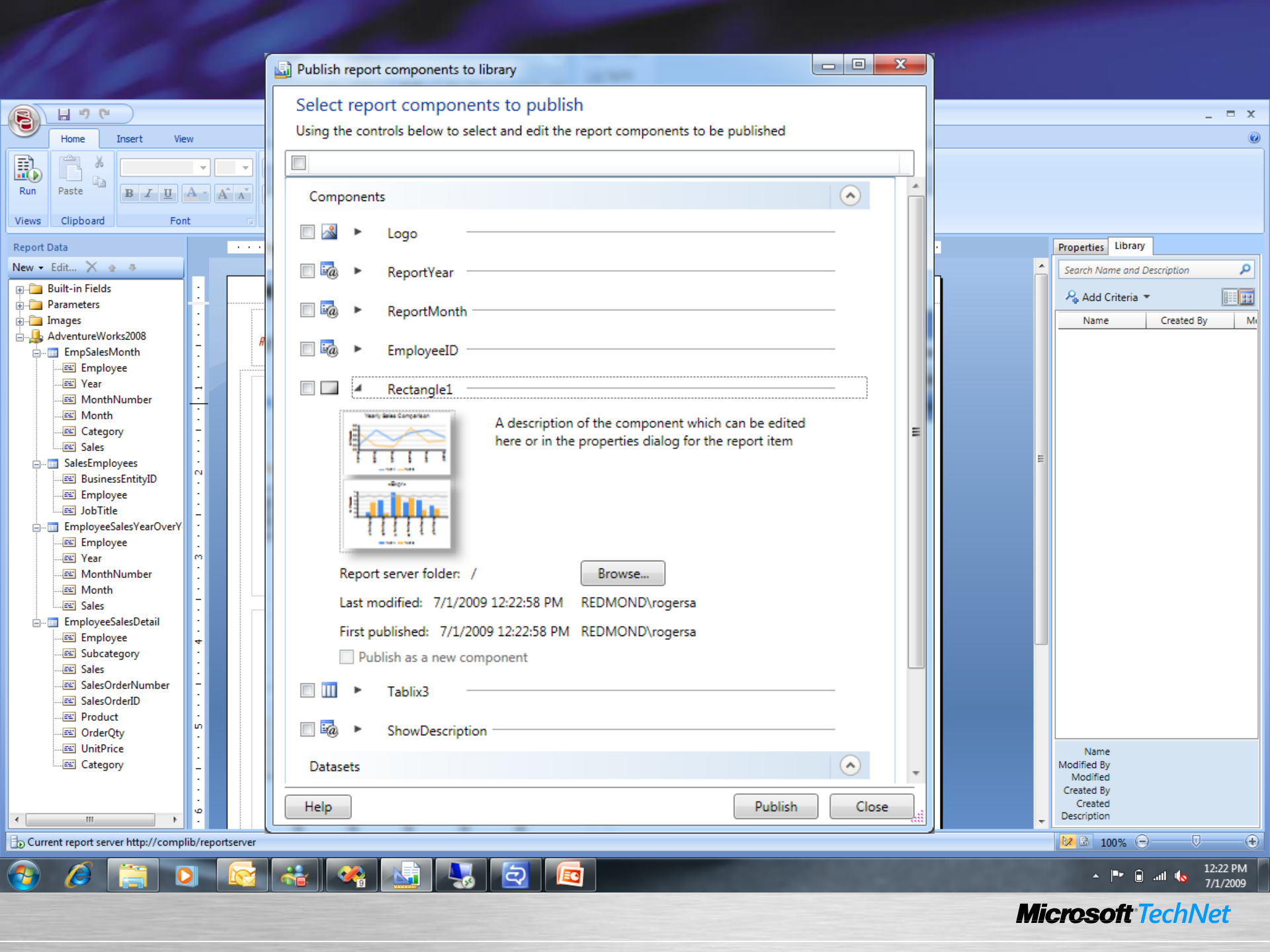
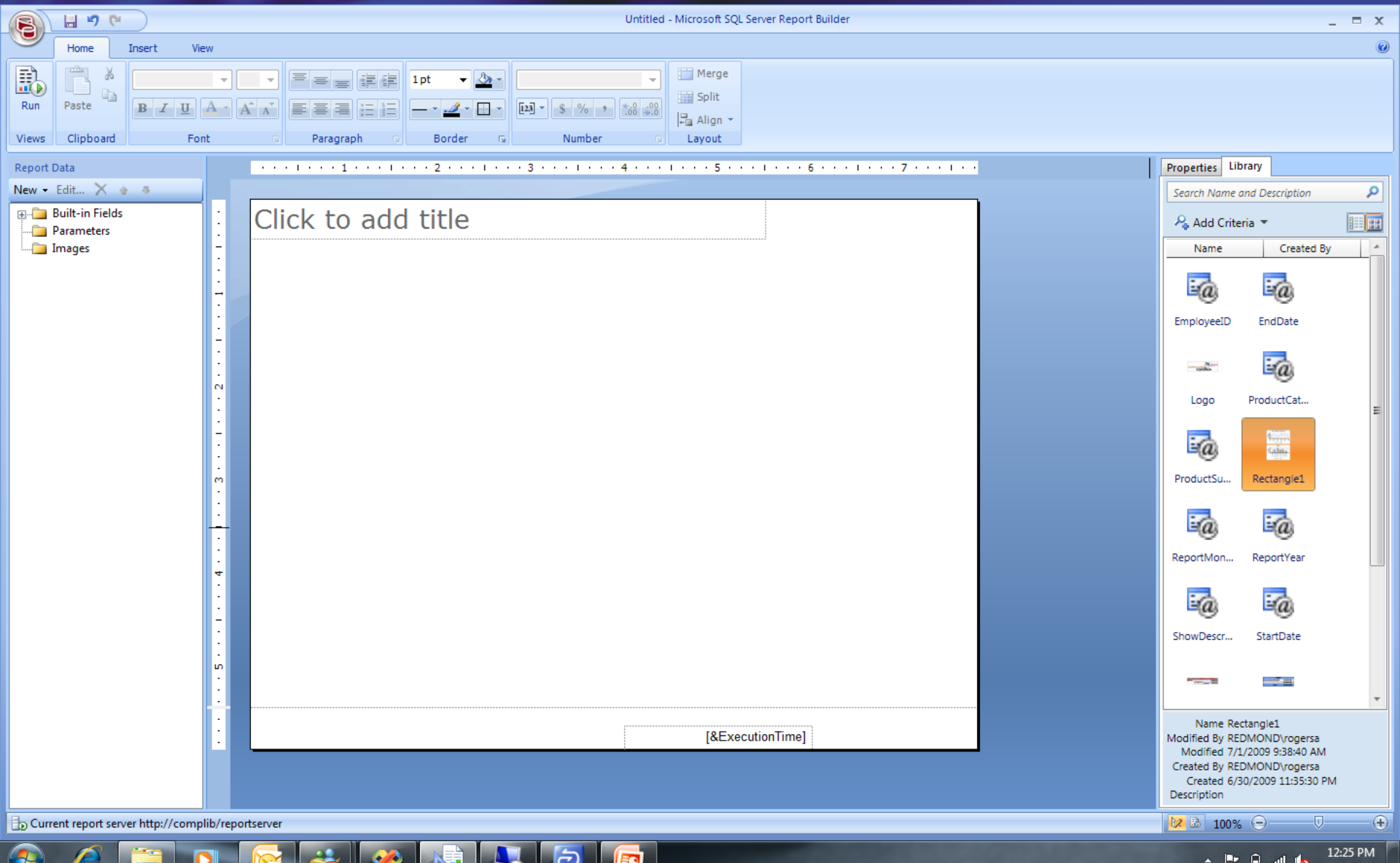
SalesOrderNumber
SalesOrderID
Product
OrderQty
UnitPrice
Category
Properties
Library
Search Name and Description
Add Criteria
Name
Created By
Name
Modified By
Modified
Created By
Created
Description
Current report server http://complib/reportserver
100%
12:22 PM
7/1/2009
Microsoft TechNet


Publish report components to library
Select report components to publish
Using the controls below to select and edit the report components to be published
Components
Logo
ReportYear
ReportMonth
EmployeeID
Rectangle1
A description of the component which can be edited here or in the properties dialog for the report item
Report server folder: /
Browse...
Last modified: 7/1/2009 12:22:58 PM REDMOND\rogersa
First published: 7/1/2009 12:22:58 PM REDMOND\rogersa
Publish as a new component
Tablix3
ShowDescription
Datasets
Help
Publish
Close
Report Data
New
Edit...
Built-in Fields
Parameters
Images
AdventureWorks2008
EmpSalesMonth
Employee
Year
MonthNumber
Month
Category
Sales
SalesEmployees
BusinessEntityID
Employee
JobTitle
EmployeeSalesYearOverY
Employee
Year
MonthNumber
Month
Sales
EmployeeSalesDetail
Employee
Subcategory
Sales
SalesOrderNumber
SalesOrderID
Product
OrderQty
UnitPrice
Category
Properties
Library
Search Name and Description
Add Criteria
Name
Created By
Name
Modified By
Modified
Created By
Created
Description
Current report server http://complib/reportserver
100%
12:22 PM
7/1/2009
Microsoft TechNet



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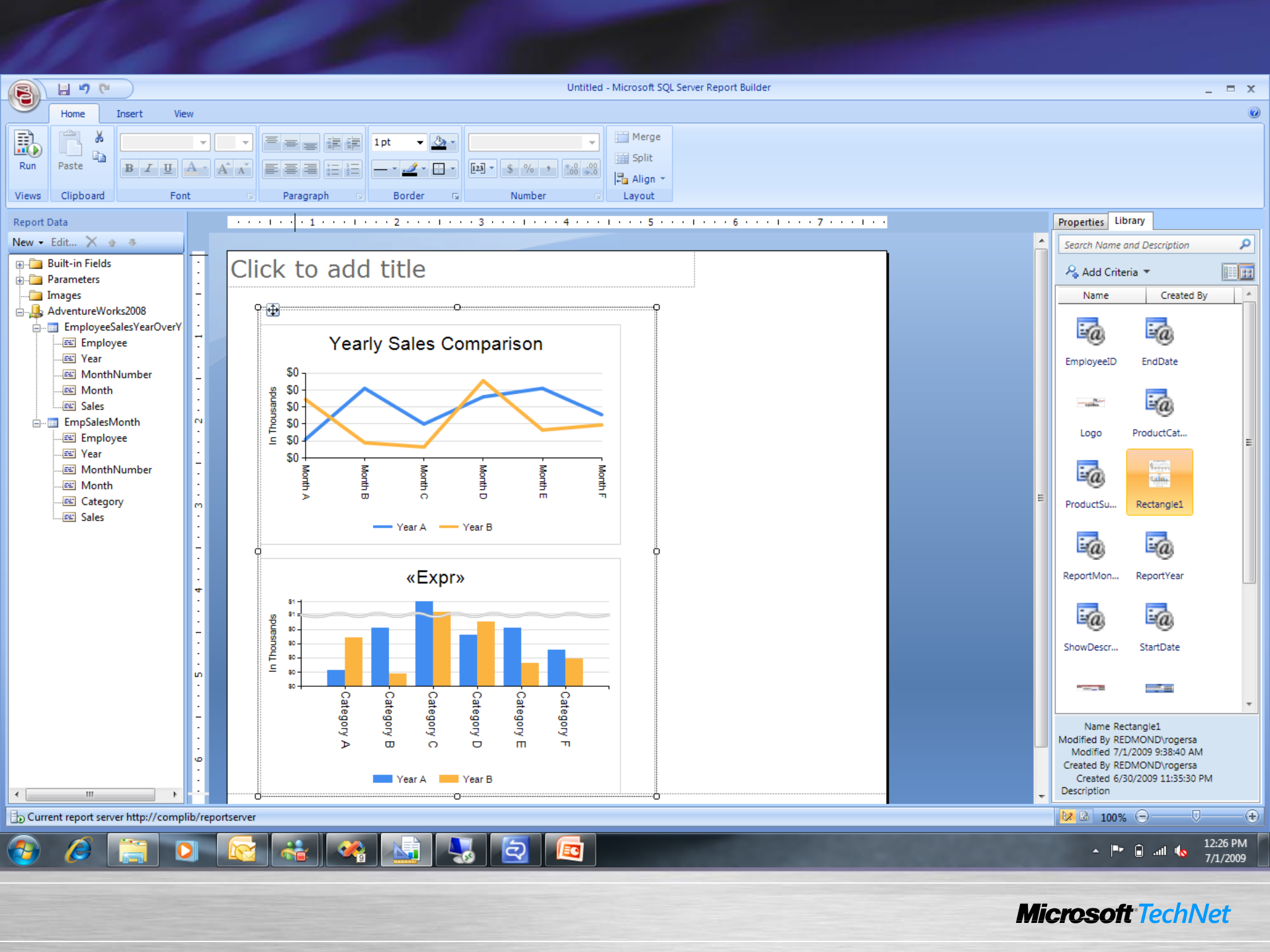
Untitled - Microsoft SQL Server Report Builder
Home
Insert
View
Run
Paste
Views
Clipboard
Font
Paragraph
Border
Number
Merge
Split
Align
Layout
Report Data
New
Edit...
Built-in Fields
Parameters
Images
AdventureWorks2008
EmployeeSalesYearOverY
Employee
Year
MonthNumber
Month
Sales
EmpSalesMonth
Employee
Year
MonthNumber
Month
Category
Sales
Click to add title
Yearly Sales Comparison
In Thousands
$0
$0
$0
$0
$0
Month A
Month B
Month C
Month D
Month E
Month F
Year A
Year B
«Expr»
In Thousands
Category A
Category B
Category C
Category D
Category E
Category F
Year A
Year B
Properties
Library
Search Name and Description
Add Criteria
Name
Created By
EmployeeID
EndDate
Logo
ProductCat...
ProductSu...
Rectangle1
ReportMon...
ReportYear
ShowDescr...
StartDate
Name Rectangle1
Modified By REDMOND\rogersa
Modified 7/1/2009 9:38:40 AM
Created By REDMOND\rogersa
Created 6/30/2009 11:35:30 PM
Description
Current report server http://complib/reportserver
100%
12:26 PM
7/1/2009
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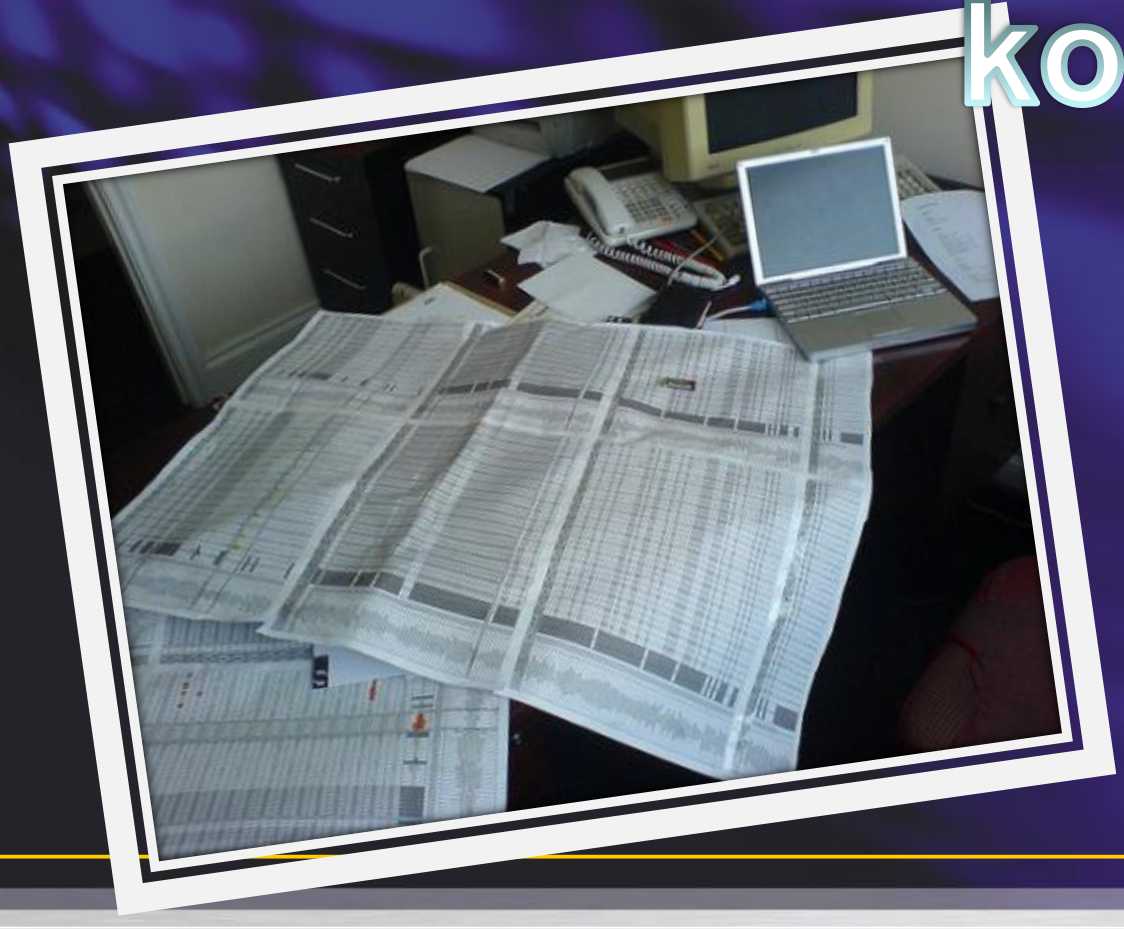
Microsoft SQL Server 2008 R2

Deling af komponenter



demo

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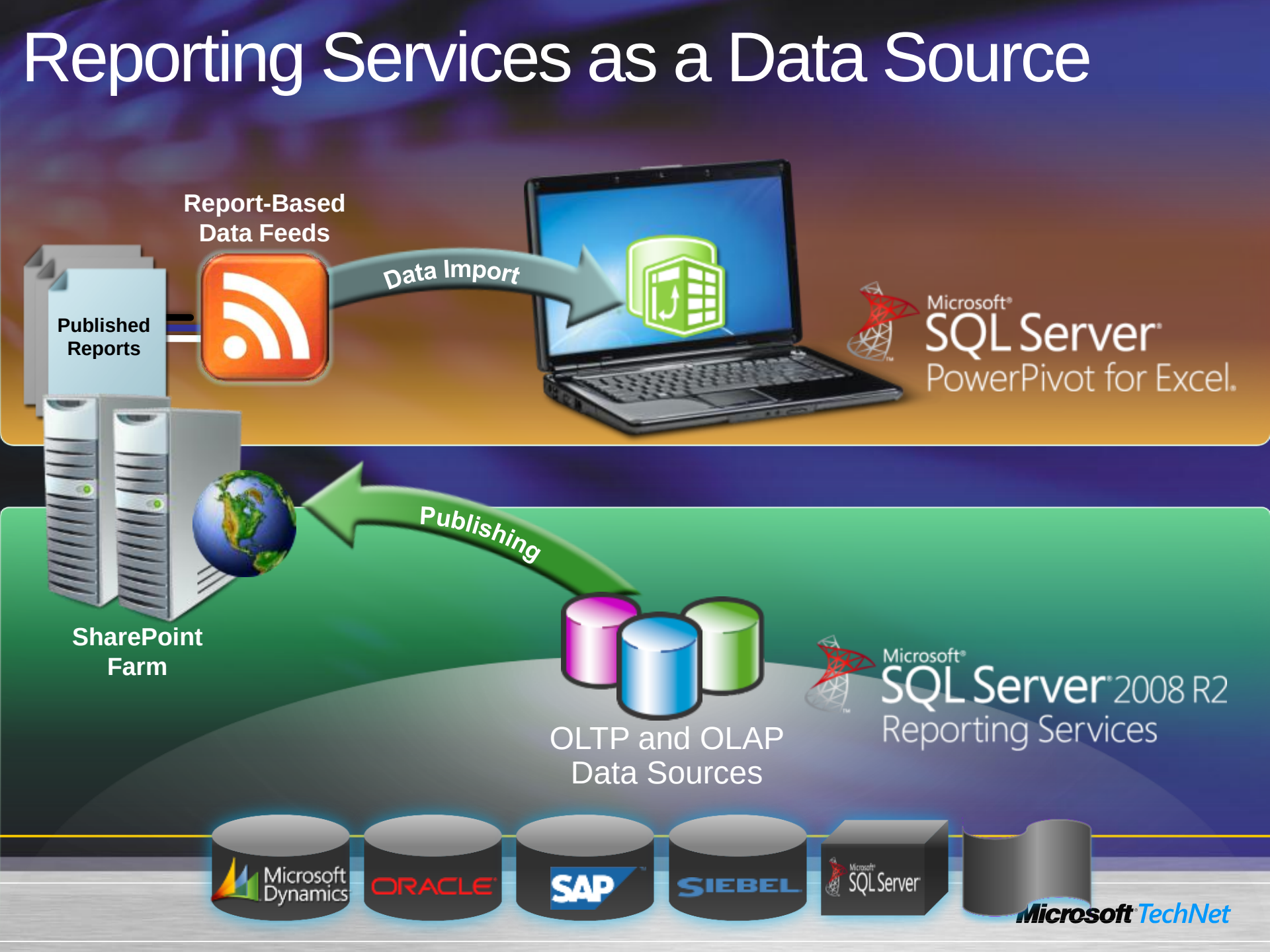
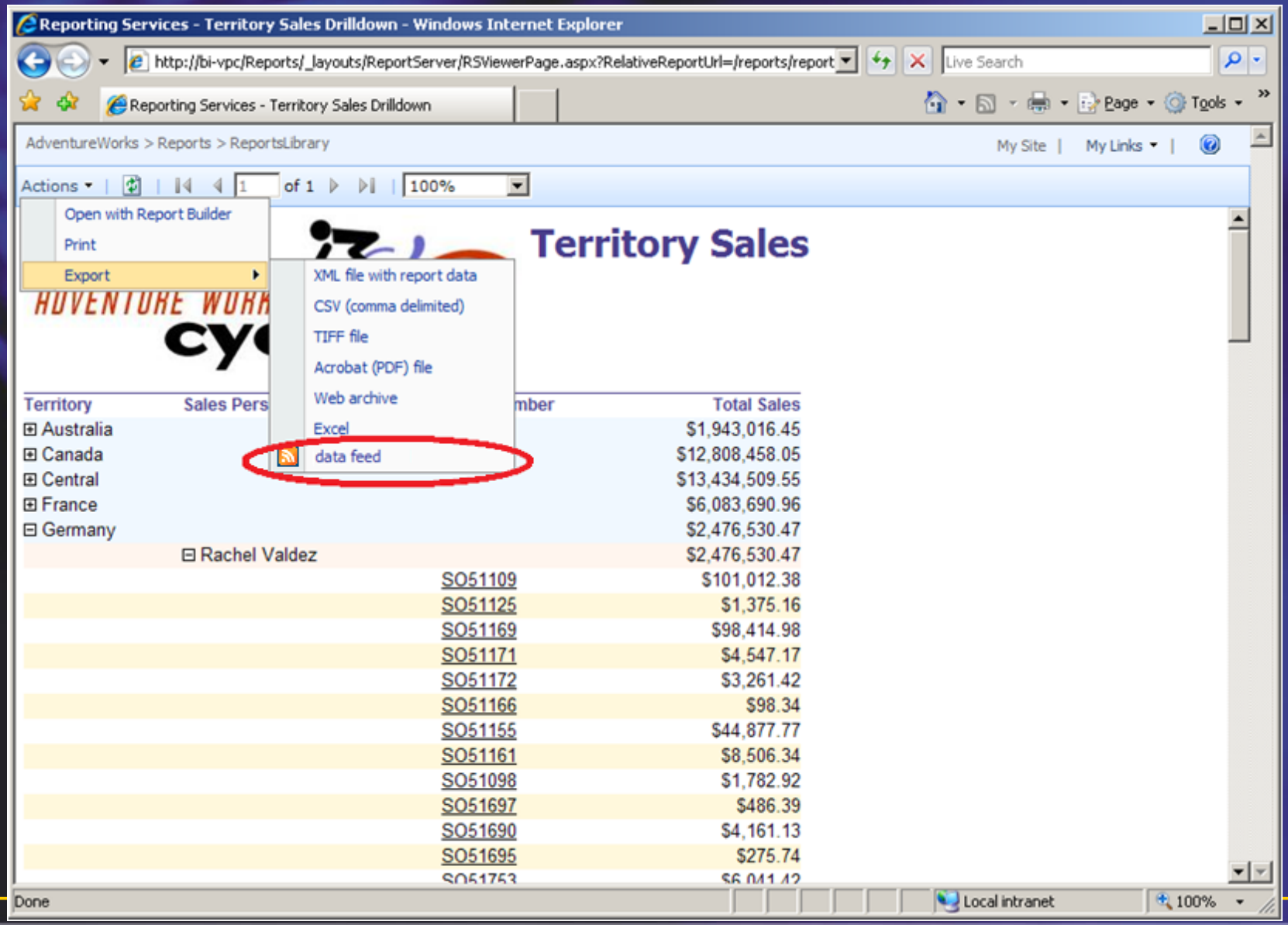
Reporting Services as a Data Source



Self Service Analytics to Self Service Reporting and back…

- Reports as the primary data source for information worker analysis
  - SSRS reports become Data Feeds
- Native support for KPIs
- Build SSRS report on top of Information Worker analysis models



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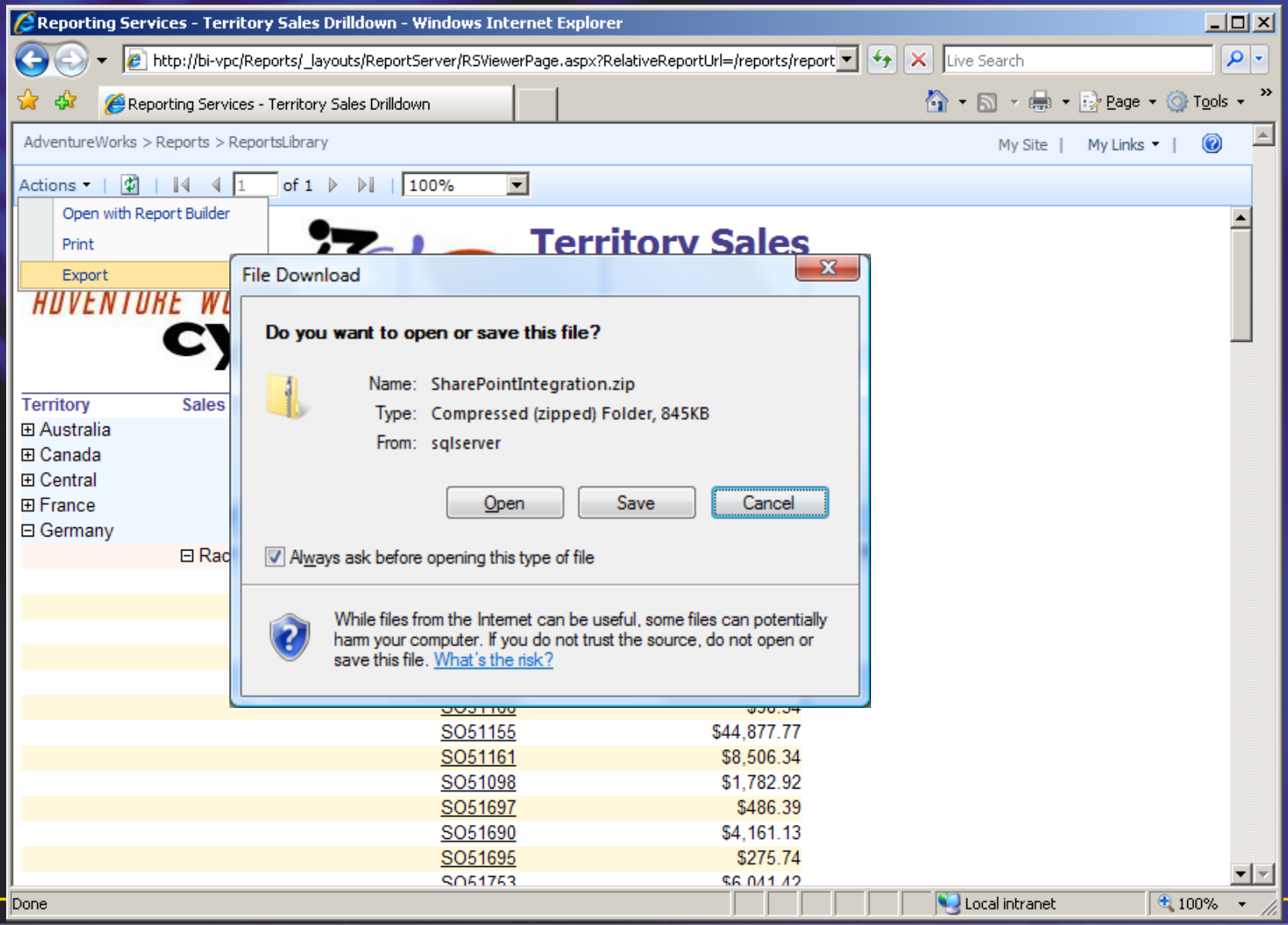
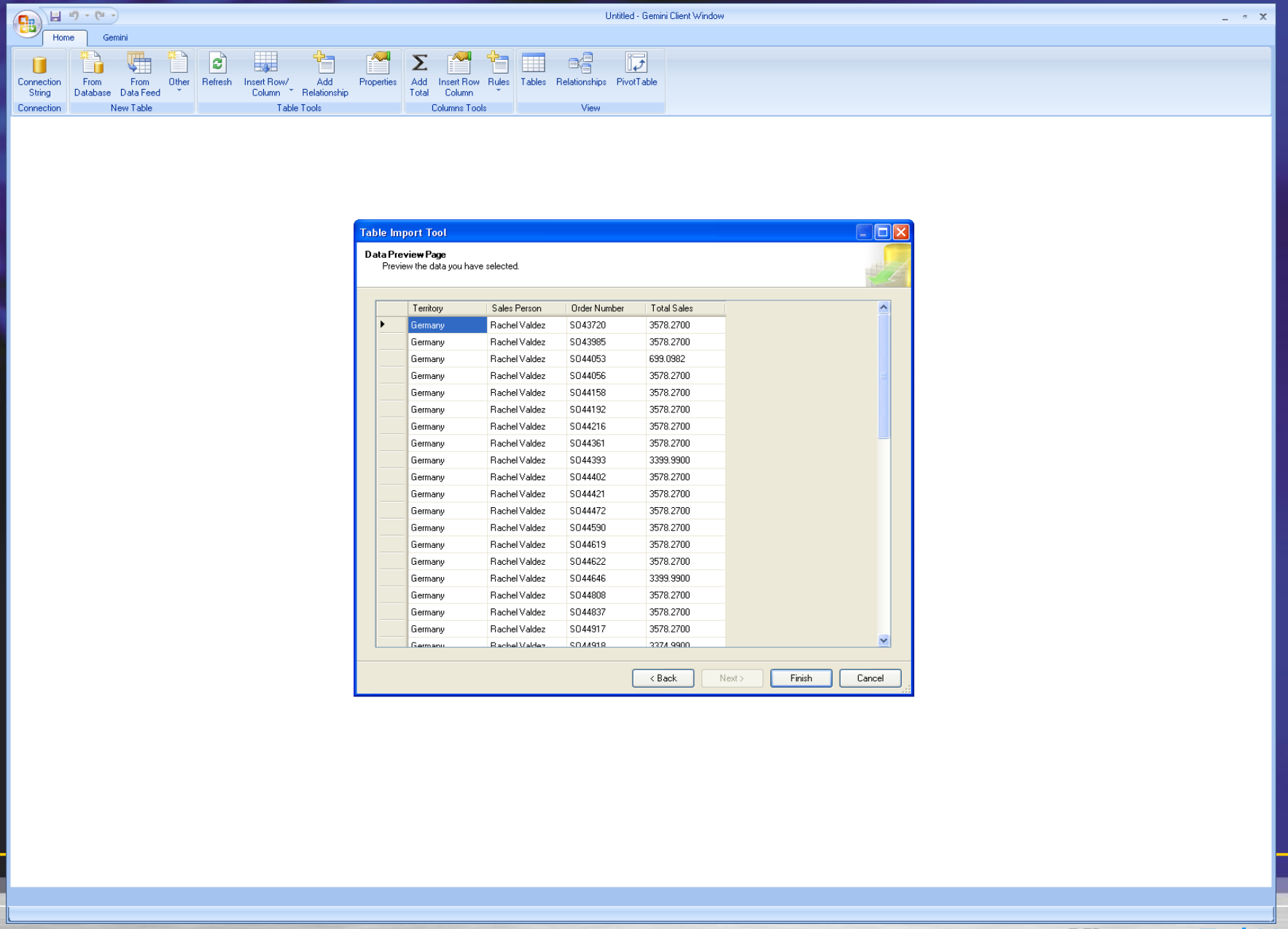
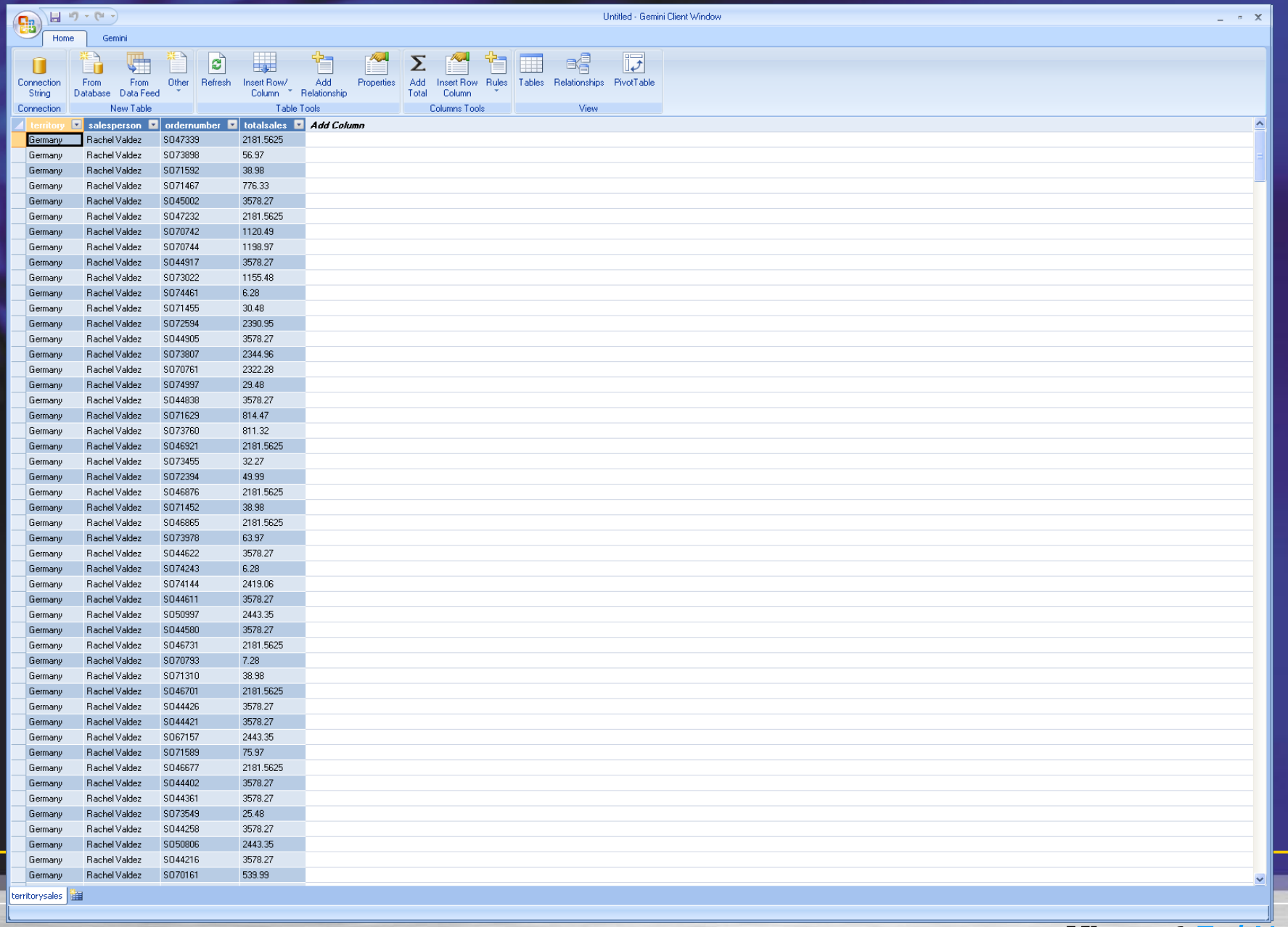
Microsoft Internal Only



Microsoft TechNet
Microsoft Internal Only



Microsoft TechNet



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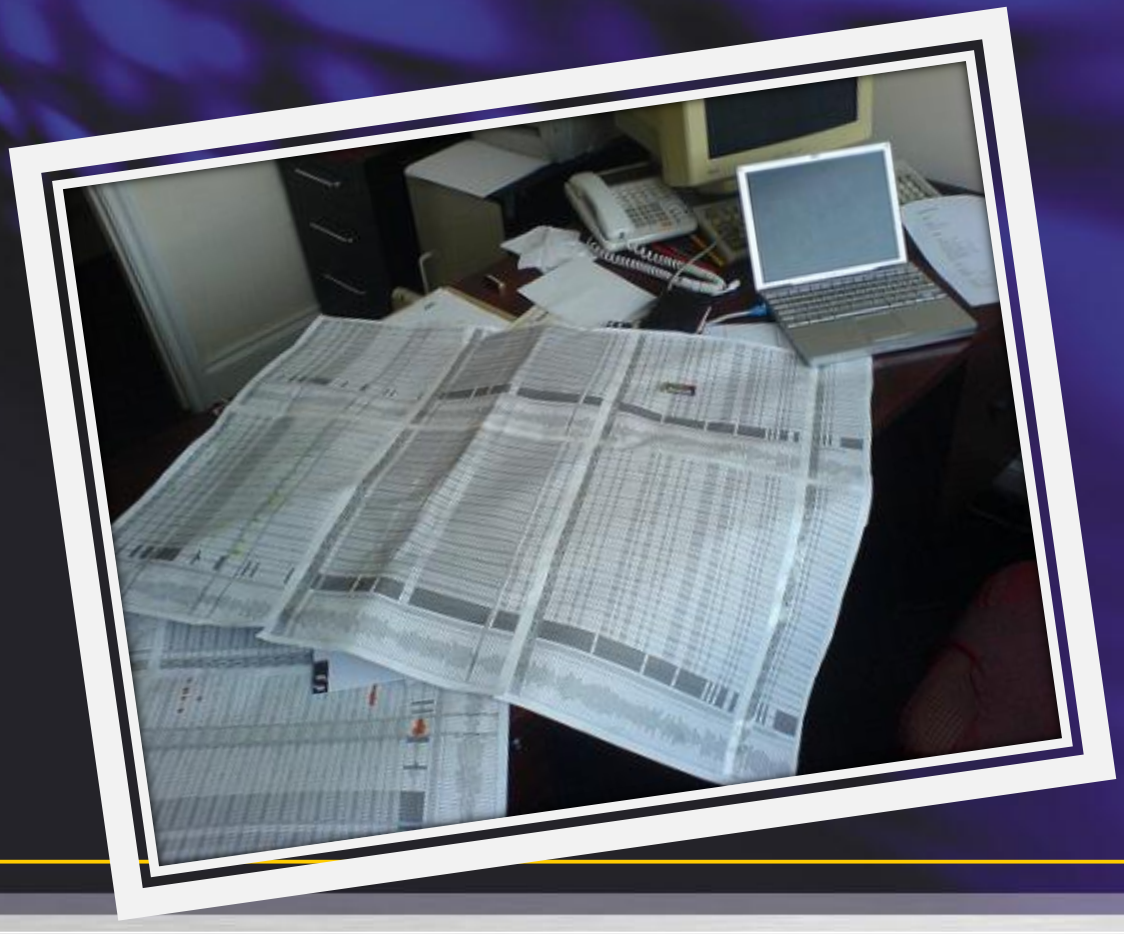
Microsoft SQL Server 2008 R2



Rapport kilder

demo

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Summary - Managed Self-Service BI

Empowering end users through "Managed Self-Service BI"

"Managed Self Service BI" delivered through:

- Self Service Analysis → Desktop Analytics
- **Self Service Reporting → End User Reporting**
- **SharePoint Integration → Sharing, Collaboration & Management**

Microsoft SQL Server 2008 R2

Microsoft SharePoint 2010

Microsoft Excel 2010

Microsoft®

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