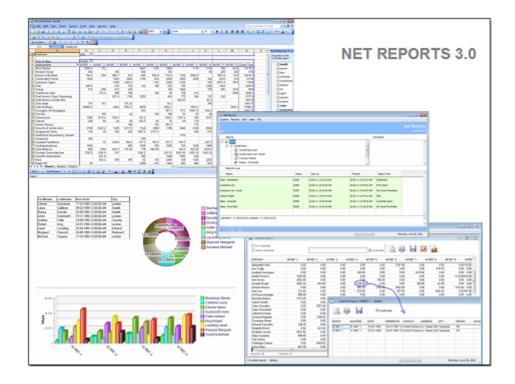
NET Reports 3.0



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NET Reports 3.0

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Printed: September 2012 in (whereever you are located)

Publisher

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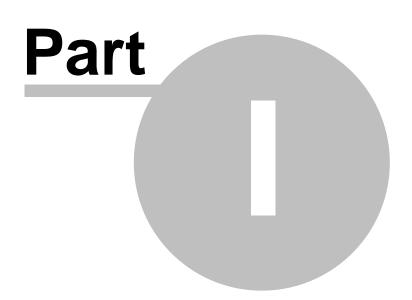
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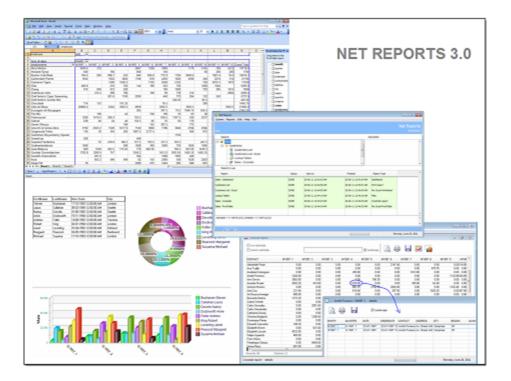
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Introduction



1 Introduction



A client/server solution for powerful reports from different databases like MS. Sql, Oracle, Postgress, MySql and any other database server. Reports can be used in Intranet or Internet as well.

Access your reports from virtually anywhere.

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1.1 Overview

NET Reports gives easy access to data from different sources by offering the right tools for:

- queries
- reports layouts
- reports access management

Create integrated reports from all enterprise databases like ERP, HR, CRM and more.

Dynamic reports and a modern style dashboard report are a click away.



NET Reports 3.0 uses an advanced client server multi tier architecture based on PSG <u>REST</u> services.

The system is build using <u>PSG</u> 2.0 software development platform.

It's robust architecture based on HTTPS for data communication creates a solution that can be used in Intranet or Internet as well.



High availability, access your NET Reports server from virtually anywhere in the world.

Required:

- Operating system: Windows XP or later (Windows 2000,2003,Vista,7)

- Microsoft Office and Ms.Query (Office setup) to run PivotTables reports (it work with Microsoft Office 32 bit releases only).

Introduction	4

User manual



2 **User** manual

- <u>Install and setup</u>
 <u>User Interface</u>
- 3. Running reports 4. Report types

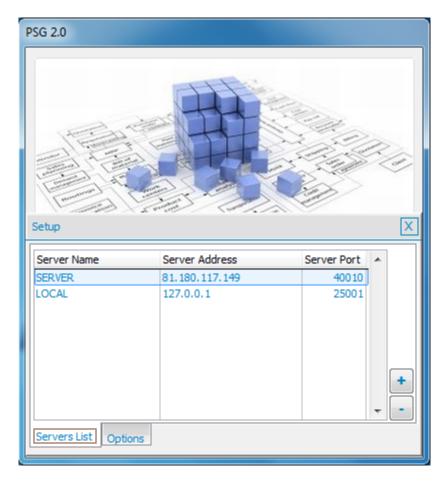


2.1 Install and setup

Download and install the client application (nr30setup.zip):

Administrator rights are required as the setup kit need to properly install components under the system account.

After installation switch to user account, open the program from the desktop shortcut and press "Setup" (this settings are kept on local account profile).



Set the server address here (ask your system administrator for details) Server address (one of next):

- computer name (local network only)
- domain name
- Server IP or NAT router Internet IP

PSG 2.0		
	The second secon	Reports 3.0
Server	SERVER	Setup
User	administrator	Ok
Password		Cancel

Enter your credits (user and password) and press "Ok" (ask your system administrator for details)

2.2 User interface

The user interface is a reports explorer with two main areas:

- Reports that can be used, the tree list on top (see "Running reports" for details)
- The used reports results, the bottom grid list

9

System Admin Reports Edit Help Exit						
					Net	Reports
Reports				D	escription	
Soot Soot Customers List Gustomers Gus						
Reports in use						
Report	Status	Start at	Finished	Report Type		
Lookup Tables	DONE	11-03-11 11:11:43 PM	11-03-11 11:11:45 PM	Files		
Sales - PivotTable	DONE	11-03-11 11:11:56 PM	11-03-11 11:11:59 PM	Ms. Excel PivotTable		
Customers List	DONE	11-03-11 11:55:20 PM	11-03-11 11:55:21 PM	Print report		
Customers List - Excel	DONE	11-03-11 11:55:23 PM	11-03-11 11:55:24 PM	Ms. Excel Worksheet		
Sales - Crosstab	DONE	11-03-11 11:55:35 PM	11-03-11 11:55:36 PM	CrossTab report		

Double click will open a report (any presented list). Right click opens a short menu with option to delete the report result.

System menu:

Interface properties	
Base color	Base font Tahoma, 8, N
Get more colors	Get font
Select language	EN
	Change password
WebBrowser - HTML Help	
default	•

Base color - the color used into the interface

Font - system feature, not used here

Select language - the interface labels maybe translated if available

Change password - to change the login password

WebBrowser - HTML Help - The interface uses a small and simple IE based web browser to present the help file. If, for any reason, you may want to change this, you have to set the path and the executable file of the new browser.

Help file is available with F1 or from the help menu. HTML pages are used to present the help file

2.3 Running report

There are several report types used by NET Reports.

To run a report, first identify the report into the tree list

Reports	Description	
 Root □ In the second sec	Sales Report Parameters: - time period Database NorthWind Report type - Excel PivotTable	•

Right text box will offer information about the reports.

6 Run report: 10101010 Ok Cancel 011010 010 01 101010 0110101010 10101 10 0 0110 0101) 1010101 Time period - --- -• Data for 07.1996,12.1997

Double click on the report, will open the report parameter interface:

Enter the parameters and press "Ok".

Each report may have a different interface, one can have different controls like textbox, datebox, listbox, combobox, checkbox. There are common controls that are widely used. Set the reports parameters, all are required.

Press Ok, the request is sent to the server and a new row will appear into the bottom list:

Report	Status	Start at	Finished	Report Type	
pokup Tables	DONE	11-03-11 23:11:43	11-03-11 23:11:45	Files	
ales - PivotTable	DONE	11-03-11 23:11:56	11-03-11 23:11:59	Ms. Excel PivotTable	
Customers List	DONE	11-03-11 23:55:20	11-03-11 23:55:21	Print report	
ustomers List - Excel	DONE	11-03-11 23:55:23	11-03-11 23:55:24	Ms. Excel Worksheet	
ales - Crosstab	DONE	11-03-11 23:55:35	11-03-11 23:55:36	CrossTab report	
ales - PivotTable	NEW	18-03-11 12:33:59	18-03-11 12:33:59	Ms. Excel PivotTable	
startdate = {^1997/01/01}; enddate = {^1997/12/31}					

The STATUS is "NEW", the text below shown the chosen report parameters.

When the report is ready the status changes to "DONE"

Sales - PivotTable	DONE	15-02-11 08:21:14 PM	15-02-11 08:21:16 PM	Ms. Excel PivotTable	
					-
startdate = {^1997/01/01}; enddate = {^1997/12/31}					•
					-

Double click on report to open it or right click for a short menu (open/delete report).

Check Reports Types for more details

2.4 Report types

Different report output types are available as fallows:

- 1. <u>Files</u>
- 2. Print report
- 3. CrossTab report
- 4. Ms. Excel PivotTable
- 5. Ms. Excel WorkSheet
- 6. DashBoard report

2.4.1 Files

Used to return flat files, this report can return many files at once. The file browser interface is presented here.

H								
Productname	Supplierid	Categoryid	Quantityperunit	Unitprice	Unitsinstock	Unitsonorder	Reorderlevel	Discontinued
Alice Mutton	7	6	20 - 1 kg tins	39.0000	0	0	0	т
Aniseed Syrup	1	2	12 - 550 ml bottles	10.0000	13	70	25	F
Boston Crab Meat	19	8	24 - 4 oz tins	18.4000	123	0	30	F
Camembert Pierrot	28	4	15 - 300 g rounds	34.0000	19	0	0	F _
Carnarvon Tigers	7	8	16 kg pkg.	62.5000	42	0	0	F
Chai	1	1	10 boxes x 20 bags	18.0000	39	0	10	F
Chang	1	1	24 - 12 oz bottles	19.0000	17	40	25	F
Chartreuse verte	18	1	750 cc per bottle	18.0000	69	0	5	F
Chef Anton's Cajun Seas	2	2	48 - 6 oz jars	22.0000	53	0	0	F
Chef Anton's Gumbo Mix	2	2	36 boxes	21.3500	0	0	0	т
Chocolade	22	3	10 pkgs.	12.7500	15	70	25	F
Côte de Blaye	18	1	12 - 75 d bottles	263.5000	17	0	15	F
Escargots de Bourgogne	27	8	24 pieces	13.2500	62	0	20	F
Filo Mix	24	5	16 - 2 kg boxes	7.0000	38	0	25	F
lotemysost	15	4	10 - 500 g pkgs.	21.5000	26	0	0	F
Geitost	15	4	500 g	2.5000	112	0	20	F
Genen Shouyu	6	2	24 - 250 ml bottles	15.5000	39	0	5	F
Snocchi di nonna Alice	26	5	24 - 250 g pkgs.	38.0000	21	10	30	F
Gorgonzola Telino	14	4	12 - 100 g pkgs	12.5000	0	70	20	F
Grandma's Boysenberry	3	2	12 - 8 oz jars	25.0000	120	0	25	F
Gravad lax	17	8	12 - 500 g pkgs.	26.0000	11	50	25	F
Guaraná Fantástica	10	1	12 - 355 ml cans	4.5000	20	0	0	т
Gudbrandsdalsost	15	4	10 kg pkg.	36.0000	26	0	15	F
Gula Malacca	20	2	20 - 2 kg bags	19.4500	27	0	15	F
Gumbär Gummibärchen	11	3	100 - 250 g bags	31.2300	15	0	0	F
Gustaf's Knäckebröd	9		24 - 500 g pkgs.	21.0000	104	0	25	F
kura	4		12 - 200 ml jars	31.0000	31	0	0	F
inlagd Sill	17		24 - 250 g jars	19.0000	112	0	20	F
poh Coffee	20		16 - 500 g tins	46.0000	17	10	25	F .

By pressing the "Save" button on left top of the page a new form is opened.

	Loo	Lookup Tables from 10-02-11 04:16:08 PM					* *	
Productnam	Supplierid	Categoryid	Quantitype	Unitprice	Unitsinsto	Unitsonord	Reorderlev Discontin	nu Productid
Alice Mutton	7	6	20 - 1 kg tins	39.0000	0	0	0 T	17
Aniseed Syrup	1	2	12 - 550 ml bottles	10.0000	13	70	25 F	3
Boston Crab Meat	19	8	24 - 4 oz tins	18.4000	123	0	30 F	40
Camembert Pierrot	28	4	15 - 300 g rounds	34.0000	19	0	0 F	60
Carnarvon Tigers	7	8	16 kg pkg.	62.5000	42	0	0 F	18
Chai	1	1	10 boxes x 20 bags	18.0000	39	0	10 F	1
Chang	1	1	24 - 12 oz bottles	19.0000	17	40	25 F	2
Chartreuse verte	18	1	750 cc per bottle	18.0000	69	0	5 F	39
Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	22.0000	53	0	0 F	4
Chef Anton's Gumbo Mix	2	2	36 boxes	21.3500	0	0	0 Т	5
Chocolade	22	3	10 pkgs.	12.7500	15	70	25 F	48
Côte de Blaye	18	1	12 - 75 d bottles	263.5000	17	0	15 F	38
Escargots de Bourgogne	27	8	24 pieces	13.2500	62	0	20 F	58
Filo Mix	24		16 - 2 kg boxes	7.0000	38	0	25 F	52
Flotemysost	15	4	10 - 500 g pkgs.	21.5000	26	0	0 F	71
Geitost	15	4	500 g	2.5000	112	0	20 F	33
Genen Shouyu	6	2	24 - 250 ml bottles	15.5000	39	0	5 F	15
Gnocchi di nonna Alice	26	5	24 - 250 g pkgs.	38.0000	21	10	30 F	56
Gorgonzola Telino	14	4	12 - 100 g pkgs	12.5000	0	70	20 F	31
Grandma's Boysenberry Spread	3	2	12 - 8 oz jars	25.0000	120	0	25 F	6
Gravad lax	17	8	12 - 500 g pkgs.	26.0000	11	50	25 F	37
Guaraná Fantástica	10	1	12 - 355 ml cans	4.5000	20	0	0 T	24
Gudbrandsdalsost	15	4	10 kg pkg.	36.0000	26	0	15 F	69
Gula Malacca	20	2	20 - 2 kg bags	19.4500	27	0	15 F	44
Gumbär Gummibärchen	11	3	100 - 250 g bags	31.2300	15	0	0 F	26
Gustaf's Knäckebröd	9	5	24 - 500 g pkgs.	21.0000	104	0	25 F	22
Ikura	4	8	12 - 200 ml jars	31.0000	31	0	0 F	10
Inlagd Sill	17	8	24 - 250 g jars	19.0000	112	0	20 F	36

This comes with options to save the file to different formats, print or export to CrossTab/ Pivot Table.

2.4.2 Print Report

This is a paper based report type. By installing a PDF printer driver like <u>http://www.bullzip.com/</u> you can create PDF files by printing to the PDF driver.

🍪 Load report: Customers	List from 10-02-11 04:05:20 PM	X
		-2
Print Preview	Print	Cancel

and

Print Preview

			14 4	10 ▶ ▶ 75%	- 📭 🎒				
			12		,				
rs List from 1	0-02-11 04								
								-	
				Customers List			18-03-2011 19:44:01		
				Customers Est					
Companynam	9	Contactitie	Contactname	Address	City	Country			
Alfreds Futteri		Sales Representative	Maria Anders	Obere Str. 57		Germany			
Ana Trujilo En		Owner	Ana Trujilo	Avda, de la Constitución 2222		Mexico			
helados Antonio Moren	Tanunda	Owner	Antonia Mormon	Mataderos 2312	México D.F.	Mexico			
Around the Ho		Sales Representative	Thomas Hardy	120 Hanover Sq.		UK			
Berglunde ene		Order Administrator	Christina Berglund	Berguyayápan S		Sweden			
Blauer See De		Sales Representative	Hanna Moos	Forsterstr, 57		Germany			
Blandesddsl a		Warketing Manager	Frédérique Citeaux	24, place Kléber		France			
Bólido Comida		Owner	Martin Sommer	C/ Aracull 67		Scain			
Bon app'		Owner	Laurence Lebihan	12, rue des Bouchers		France			
Bottom-Dollar	Marketa	Accounting Manager	Elizabeth Lincoln	23 Tagygasen Blyd.		Ceneda			
B'a Beveragee		Sales Representative	Motoria Aehworth	Fauntieroy Circus	London	JK			
Cattus Comid	as para llevar	Sales Agent	Patricio Simpson	Cento 333	Buenos Aires	Argentina			
Centro com ero	ial Moctezuma	Marketing Manager	Francisco Chang	Sierras de Granada 9993	México D.F.	Mexico			
Chop-suey Ch	nese	Owner	Yang Wang	Hauptsir. 29	Bem :	Switzerland			
Comércio Mine	iro	Sales Associate	Pedro Afonso	Av. dos Luciados, 23	See Paulo I	Brazi			
Consolidated I	loi dinge	Seles Representative	Elizabeth Brown	Berkeley Gardens 12 Brewery	London	JK			
Die Wandernd	e Kuh	Sales Representative	RtaMüler	Adenauerallee 900	Stuttgart (Germany			
Drachenblut D	elikatessen	Order Administrator	Sven Ottileb	Wakerweg 21		Germany			
Du monde enti	er	Owner	Janine Labrune	67, rue des Cinquante Otages		France			
Eastern Conne	ction	Sales Agent	Ann Devon	35 King George		лк			
Ernet Handel		Sales Manager	Roland Mendel	Kirchgesee 6		Austria			
Familia Arquib		Warketing Aealetant	Arla Cruz	Rua Orós, 92		Brazi			
FISSA Febrica S.A.	Inter: Saichidhae	Accounting Manager	Diego Roel	C/ Moralzarzal, 86	Meditd	Spain			
Folee gourna	Idea	Assistant Sales Agent	Martine Rancé	164, chaussée de Tournal	LIN	France			
Folk och 18 HB		Owner:	Maria Lanson	Akergatan 24		Sweden			
France restaut	ntion	Warketing Manager	Carine Schmitt	54, rue Royale	Nantes	France			
Franchi S.p.A.		Sales Representative	Paolo Accorti	Via Nonte Bianco 34	Torino I	taly			
Frankonversor	d	Marketing Manager	Peter Franken	Berliner Platz 43	München (Germany			
Furla Bacalha	e Frutos do Mer	Sales Manager	Lino Rodriguez	Jerdim dee roeee n. 32	Liebos	Portugal			
Galeria del gal	amonint	Marketing Manager	Eduardo Sasvedra	Rambia de Cataluna, 23	Barcelona	Scain			

2.4.3 CrossTab Report

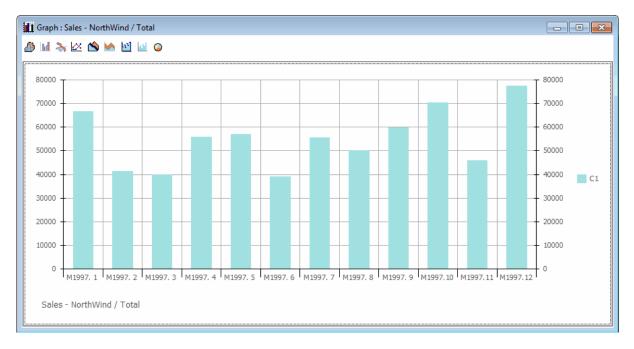
CrossTab report is 3 dimension cube report. It is a light option for data analysis.

row subtotals Page Filter	•	Sales - NorthW	ind		Landscape	<u>,</u>		
RODUCT	M1997. 1	M1997. 2	M1997. 3	M1997. 4	M1997. 5	M1997. 6	M1997. 7	м1997. 8
ir Rodney's Marmalade	0.00	0.00	0.00	3159.00	1215.00	0.00	1701.00	0.00
ir Rodney's Scones	736.00	640.00	280.00	520.00	210.00	0.00	140.00	970.00
irop d'érable	364.80	2622.00	0.00	1140.00	855.00	0.00	3420.00	570.00
pegesild	211.20	336.00	48.00	108.00	0.00	0.00	0.00	276.00
iteeleye Stout	1368.00	115.20	0.00	54.00	1008.00	360.00	972.00	540.00
arte au sucre	2955.00	1379.00	0.00	147.90	2958.00	1725.50	986.00	4683.50
eatime Chocolate Biscuits	306.60	489.10	189.80	0.00	92.00	322.00	0.00	460.00
hüringer Rostbratwurst	2079.00	2376.00	1782.00	4456.44	0.00	1237.90	0.00	3218.54
ofu	1246.20	0.00	223.20	1627.50	0.00	1302.00	0.00	558.00
ourtiere	271.40	595.90	141.60	149.00	365.05	0.00	402.30	223.50
unnbröd	432.00	0.00	259.20	72.00	810.00	0.00	0.00	90.00
Incle Bob's Organic Dried Pea	0.00	384.00	720.00	1500.00	300.00	0.00	1650.00	1050.00
/alkoinen suklaa	520.00	0.00	325.00	0.00	0.00	0.00	0.00	406.25
/egie-spread	3510.00	0.00	0.00	0.00	0.00	263.40	1053.60	0.00
Vimmers gute Semmelknödel	186.20	1888.60	1010.80	0.00	0.00	1795.50	0.00	299.25
Zaanse koeken	646.00	0.00	228.00	57.00	0.00	237.50	142.50	0.00
otal	66692.80	41207.20	39979.90	55699.39	56823.70	39088.00	55464.93	49981.69

Reports can be filtered on "Page filter", can be printed, or exported to different file types. The report data can be reorganized at run time depending on available option (CrossTab button)

rt - Wizard			
		Page	Column
, C, 8	*	EMPLOYEE	MONTH
, C, 9 , D, 8		Row	Data
, T, 8 . C. 30		PRODUCT	VALUE
, C, 60			VALUE
, C, 15 , C, 15			
, I, 4			
, 1, 8 , N, 14			
, C, 40 , C, 31	-	Save	Cancel
	, C, 8 , C, 9 , D, 8 , T, 8 , C, 30 , C, 60 , C, 15 , C, 15 , C, 15 , I, 4 , Y, 8 , N, 14 , C, 40	, C, 8 , C, 9 , D, 8 , T, 8 , C, 30 , C, 60 , C, 15 , C, 15 , I, 4 , Y, 8 , N, 14 , C, 40	Page , C, 8 , C, 9 , D, 8 , T, 8 , C, 30 , C, 15 , I, 4 , Y, 8 , N, 14

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Or a graph by line can be created with the Graph Button.

2.4.4 Ms. Excel PivotTable

Ms. Excel PivotTable is one of the most advanced data analysis tools available today. Requires Microsoft Office.

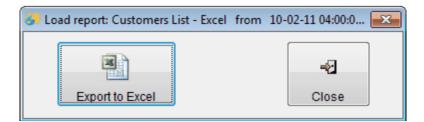
A1 A B C D E F G H I J K L M N 2 A1 A employee A1 A L M N <td< th=""><th>🖳 File Edit View Insert Format</th><th></th><th>ata <u>W</u>indov</th><th></th><th>∑ • ≜ </th><th>Z (10a 😡</th><th>100%</th><th>• @] :</th><th>Δrial</th><th></th><th>- 10 -</th><th>B Z</th><th>u = =</th><th>Type a questio</th><th></th><th>elp</th></td<>	🖳 File Edit View Insert Format		ata <u>W</u> indov		∑ • ≜	Z (10a 😡	100%	• @] :	Δrial		- 10 -	B Z	u = =	Type a questio		elp
A1 B C D E F G H I J K L M N 1 employee (AI) 0 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th><u> </u></th><th></th><th></th><th></th><th></th><th></th><th>2 = =</th><th></th><th>0 ->.0 </th><th></th></t<>							<u> </u>						2 = =		0 ->.0	
A1 ▲ B C D E F G H I J K L M N 2 imployee (AII)			_	hanges E <u>n</u>	d Keview	-										
A B C D E F G H I J K L M N 1 employee (All) • <t< th=""><th>PivotTable 🕶 📶 🛍 📑 📲 🕴 👔</th><th>1 🗄 🗞 🚺</th><th>-</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	PivotTable 🕶 📶 🛍 📑 📲 🕴 👔	1 🗄 🗞 🚺	-													
Image Image <th< th=""><th>A1 - 🖈 employee</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>	A1 - 🖈 employee															
2 3 month month<	A	В	С	D	E	F	G	Н		J	K	L	М	N	_	PivotTable Fiel 💌
2 month mo	1 employee	(All)	1													
4 productname M1997.1 M1997.2 M1997.3 M1997.4 M1997.6 M1997.7 M1997.8 M1997.9 M1997.10 M1997.11 M1997.12 Grand Tc 6 Alice Mutton 3026.4 312 2847 1326 3000 1170 2145 780 4212 1971 6 Aniseed Syrup 400 160 600 140 60 200 200 17 7 Boston Crab Meat 76.4 294 896.7 552 644 956.8 772.8 1104 2649.6 1821.6 18.4 104 8 Camerbert Pierrot 1632 3604 1190 816 4250 1020 4590 340 2210 510 215 1726 2760 1525 750 2812.5 1875 177.1 1044 529 1044 529 1900 722 2865 1615 77 1044 520 120 144 520 120 144 5																Drag items to the PivotTable report
Alice Mutton 3026 4 312 2847 1326 3900 1170 2145 780 4212 1971 Aniseed Symp 400 160 600 140 60 200 17 Boston Crab Meat 764. 294 895.7 552 644 956.8 772.8 1104 2649.6 1821.6 184.1 1047 Camaron Tigers 1500 162.2 3604 1190 816 4250 1020 4590 340 2210 510 211 Chair 489.6 216 720 144 180 522 720 1260 1044 529 Chair 489.6 216 720 144 180 522 720 1260 1044 529 Chair 489.6 216 720 144 180 522 720 1446 529 Chair 912 2836 912 228 190 1900 722 285	3 Sum of value	month 💌														
Aniseed Syrup 400 160 600 140 600 200 200 11 Boston Crab Meat 764.4 294 896.7 552 644 966.8 772.8 1104 2649.6 1821.6 184.4 104.7 Camembert Pierot 1632 3604 1109 816 4250 1020 4550 2810.5 1821.6 184.4 100.7 Carametor Tigers 1500 1562.5 1125 2500 512.5 750 2812.5 1875 177.7 O Chai 489.6 216 720 144 180 522 720 1266 1044 529 1 Chang 912 836 912 228 180 90 738 414 2664 492 2 Chatrouse verte 374.4 288 180 180 90 738 414 2664 492 3 Chef Antoris Gumbo Mix - - 320.25 854.4 405 573	productname	M1997. 1	M1997. 2	M1997. 3	M1997.4	M1997.5	M1997.6	M1997.7	M1997.8	M1997. 9	M1997.10	M1997.11	M1997.12	Grand Total	E	month
Boston Crab Meat 764.4 294 896.7 552 644 966.8 772.8 1104 2649.6 1821.6 184 1047 Camembert Pierrot 1632 1632 3604 1190 816 4250 1020 4459 340 2210 510 21 Camavon Tigers 1500 1562.5 1125 5200 5125 750 2812.5 1875 175 1750 2812.5 1757 27812.5 1875 177 20 1044 522 720 1260 190.4 522 190 1900 7722 285 1615 77 Charge verte 374.4 288 180 180 90 738 414 2664 492 Chef Antor's Cajuno Samoo Mix - - 320.25 85.4 405 Colcolade 714 153 191.25 76.5 306 1440 Colcolade 714 153 191.25 76.5 3052.5 <	Alice Mutton	3026.4	312			2847	1326	3900		1170	2145	780	4212	19718.4		- quarter
Camembert Pierrot 1632 1632 3604 1190 816 4250 1020 4590 340 2210 510 211 Camaron Tigers 1500 1562.5 112 2600 5125 750 2812.5 1875 177 Chai 489.6 216 720 144 180 522 720 1260 1044 529 Chang 912 836 912 228 190 1900 722 285 1615 77 Chartoris Cajun Seasoning 374.4 281.6 1100 2200 440 770 264 132 550 575 575 576 576 576 576 576 577 577 278 444 2866 492 573 577 577 278 414 2866 492 573 577 577 578 566 573 573 574 495 576 566 573 576 566.5	Aniseed Syrup	400)	160		600		140			60	200	200	1760		- I date
Camaroon Tigers 1500 1562.5 1125 2500 5125 750 2812.5 1875 177 Chai 489.6 216 720 144 180 522 720 1260 1044 529 Charay 912 836 912 228 1800 180 90 738 414 266 492 Chartrouse verte 374.4 281.6 1100 2200 440 770 264 132 500 573 Chef Antor's Cajun Seasoning 281.6 1100 2200 440 770 264 3550 573 Chef Antor's Cajun Seasoning 281.6 1100 2200 440 770 264 3550 573 Chef Antor's Cajun Seasoning 153 191.25 76.5 306 1440 Chef Antor's Caluba Mix - - 320.25 306 1440 Che de Blaye 20869.2 6324 3952.5 8959 3952.5 3952.5 <td>Boston Crab Meat</td> <td>764.4</td> <td>294</td> <td>896.7</td> <td>552</td> <td>644</td> <td>956.8</td> <td>772.8</td> <td>1104</td> <td>2649.6</td> <td></td> <td>1821.6</td> <td>18.4</td> <td>10474.3</td> <td></td> <td>- I orderdat</td>	Boston Crab Meat	764.4	294	896.7	552	644	956.8	772.8	1104	2649.6		1821.6	18.4	10474.3		- I orderdat
Ochai 488.6 216 720 144 180 522 720 1260 1044 529 Chang 912 836 912 228 190 1900 722 285 1615 77 Charteruse verte 374.4 288 180 180 90 738 414 2664 492 3 Chef Antoris Cajuns Seasoning 281.6 1100 2200 440 770 264 132 550 573 Chef Antoris Gumbo Mix - - 320.25 85.4 405 405 1440 522 560 1440 522 560 1440 522 560 573 560 1440 550 573 560 573 560 560 573 560 560 573 560 573 560 573 560 573 560 560 573 560 573 560 560 573 560 574 450 570 <td< td=""><td>Camembert Pierrot</td><td>1632</td><td>2</td><td>1632</td><td>3604</td><td>1190</td><td>816</td><td>4250</td><td>1020</td><td>4590</td><td>340</td><td>2210</td><td>510</td><td>21794</td><td></td><td></td></td<>	Camembert Pierrot	1632	2	1632	3604	1190	816	4250	1020	4590	340	2210	510	21794		
1 Chang 912 836 912 228 190 1900 722 285 1615 77 2 Chartreuse verte 374.4 288 180 90 738 414 2664 492 3 Chef Anton's Cajun Seasoning 281.6 1100 2200 440 770 264 132 550 573 4 Chef Anton's Gumbo Mix	Carnarvon Tigers			1500	1562.5		1125	2500	5125		750	2812.5	1875	17250		- Contactn
2 Chartreuse verte 374.4 288 180 90 738 414 2664 492 3 Chef Antoris Cajun Seasoning 281.6 1100 2200 440 770 264 132 550 573 Chef Antoris Gumbo Mix) Chai	489.6	6	216	720	144	180	522	720		1260	1044		5295.6		- 🖂 address
3 Chef Anton's Cajun Seasoning 281.6 1100 2200 440 770 264 132 550 573 4 Chef Anton's Gumbo Mix	1 Chang	912	2 836	912	228			190			722	285	1615	7600		- City
Chef Anton's Gumbo Mix 320.25 86.4 405 Chocolade 714 153 191.25 76.5 306 1440 Côto de Blaye 20869.2 6324 3952.5 8959 3952.5 3952.5 3952.5 5196 Escargots de Bourgogne 265 397.5 79.5 1046.75 556.5 2345	2 Chartreuse verte		374.4	288	180		180	90	738	414			2664	4928.4		- region
Chocolade 714 153 191.25 76.5 306 1440 Côte de Blaye 20869.2 6324 3952.5 8959 3952.5 3952.5 5196 Escargots de Bourgogne 2245 397.5 79.5 1046.75 556.5 2245	Chef Anton's Cajun Seasoning			281.6	1100	2200		440	770	264	132	550		5737.6		- quantity
Othe de Blaye 20869.2 6324 3952.5 8959 3952.5 3952.5 3952.5 5196 / Escargots de Bourgogne 265 397.5 79.5 1046.75 556.5 2345	Chef Anton's Gumbo Mix								320.25					405.65		- I unitorice
Escargots de Bourgogne 265 397.5 79.5 1046.75 556.5 2345	Chocolade	714	153		191.25			76.5			306			1440.75		
		20869.2	2	6324	3952.5								3952.5	51962.2		- 🗄 value
						265								2345.25		product
	Filo Mix		196		42		700	196	35	63		721	161	2142		employ
													602	9034.3		
		238	3 40	24		132.5			50					814.5		
														1503.5		
								1786	3040					34754.8		< III
		140) 30	350	200	1687.5	2137.5				875			8020		
4 Grandma's Rovsenberry Spread 750 29	Grandma's Boysenberry Spread	/						•	1750			750		2500		Add To Row

The PivotTable is created by automating Ms. Office.

Depending on Office release different option's are available, the last is the best.

2.4.5 Ms. Excel WorkSheet

One list is exported to an Excel sheet

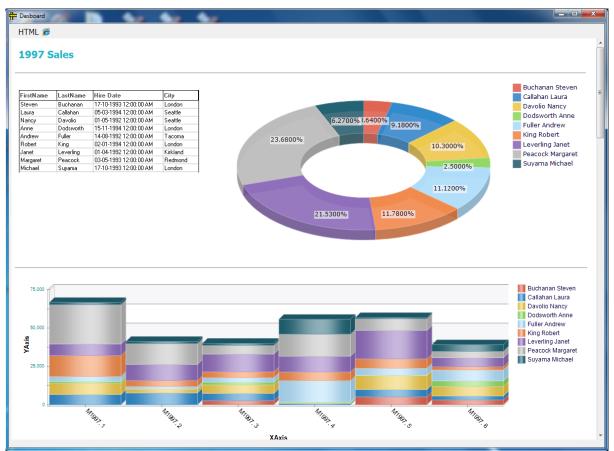


🔄 <u>F</u> ile <u>E</u> dit <u>V</u> iew Insert F <u>o</u> rmat <u>T</u>							pe a question for	
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🖢 🖄 🖄 🖉 🧠 🖄 🗇 🏷 📓 🍇	■ I V Reply with Changes E	nd Review						
A1 - & Company Nar								
A	В	С	D	E	F	G	Н	
1 Company Name	Contact title	Contact Name	Address	City	Region	Country	Postal Code	Phone
2 Alfreds Futterkiste	Sales Representative	Maria Anders	Obere Str. 57	Berlin	-	Germany	12209	030-0074321
3 Ana Trujillo Emparedados y helados	Owner	Ana Trujillo	Avda, de la Constituci [®] n 2222	MÚxico D.F.			05021	(5) 555-4729
	Owner	Antonio Moreno	Mataderos 2312	MÚxico D.F.		Mexico		(5) 555-3932
5 Around the Horn	Sales Representative	Thomas Hardy	120 Hanover So.	London		UK		(171) 555-7788
6 Berglunds snabbk+p	Order Administrator	Christina Berglund	Berguvsvrigen 8	Lulea		Sweden		0921-12 34 65
7 Blauer See Delikatessen	Sales Representative	Hanna Moos	Forsterstr. 57	Mannheim			68306	0621-08460
8 Blondesddsl pere et fils	Marketing Manager	FrÚdÚrique Citeaux	24. place KlÚber	Strasbourg			67000	88.60.15.31
9 B'lido Comidas preparadas	Owner	MartÝn Sommer	C/ Araguil, 67	Madrid		Spain	28023	(91) 555 22 82
10 Bon app'	Owner	Laurence Lebihan	12. rue des Bouchers	Marseille				91.24.45.40
11 Bottom-Dollar Markets	Accounting Manager	Elizabeth Lincoln	23 Tsawassen Blvd.	Tsawassen	BC	Canada	T2F 8M4	(604) 555-4729
12 B's Beverages	Sales Representative	Victoria Ashworth	Fauntlerov Circus	London		UK	EC2 5NT	(171) 555-1212
13 Cactus Comidas para llevar	Sales Agent	Patricio Simpson	Cerrito 333	Buenos Aires		Argentina	1010	(1) 135-5555
14 Centro comercial Moctezuma	Marketing Manager	Francisco Chang	Sierras de Granada 9993	MÚxico D.F.			05022	(5) 555-3392
15 Chop-suey Chinese	Owner	Yang Wang	Hauptstr. 29	Bern		Switzerland	3012	0452-076545
16 ComÚrcio Mineiro	Sales Associate	Pedro Afonso	Av. dos Lus Yadas, 23	Sao Paulo	SP	Brazil	05432-043	(11) 555-7647
17 Consolidated Holdings	Sales Representative	Elizabeth Brown	Berkeley Gardens 12 Brewery	London		UK		(171) 555-2282
18 Die Wandernde Kuh	Sales Representative	Rita MŘller	Adenauerallee 900	Stuttgart		Germany	70563	0711-020361
19 Drachenblut Delikatessen	Order Administrator	Sven Ottlieb	Walserweg 21	Aachen		Germany	52066	0241-039123
20 Du monde entier	Owner	Janine Labrune	67, rue des Cinquante Otages	Nantes		France	44000	40.67.88.88
21 Eastern Connection	Sales Agent	Ann Devon	35 King George	London				(171) 555-0297
22 Ernst Handel	Sales Manager	Roland Mendel	Kirchgasse 6	Graz		Austria		7675-3425
23 Familia Arquibaldo	Marketing Assistant	Aria Cruz	Rua Or's, 92	Sao Paulo	SP	Brazil	05442-030	(11) 555-9857
24 FISSA Fabrica Inter. Salchichas S.A.		Diego Roel	C/ Moralzarzal, 86	Madrid				(91) 555 94 44
	Assistant Sales Agent	Martine RancÚ	184, chaussÚe de Tournai	Lille		France	59000	20.16.10.16
first			1	!				

2.4.6 DashBoard report

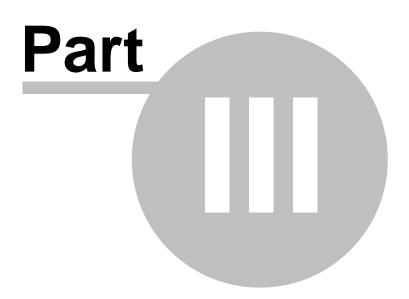
Top management report type, it can show data from multiple data sources using tables, graphs and text fields.

(18 graph types are available here)



Sample from Ms.SQL Northwind database (1996-1997 data)

Administrator manual

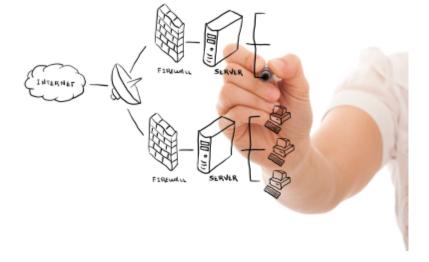


3 Administrator manual

The management of the system requires the NET Reports "administrator" password.

Available options are:

- user management
- reports management
- user access rights



3.1 Server - Install and setup

NET Reports 3.0 relays on PSG client/server platform. Install first the PSG 2.0 server manager

Run the PSG servers manager.

Server name	Created		ſ
Server hame	Created	^	Install
			Uninstall and remove
			Config
			Connig

Press Install to install a new PSG server.

Install new PSG server	
Path	E:\
Directory name	NETREPORTS
Server name	Net Reports
Install package	D:\NR30SERVER.ZIP
	Install Close

Chose the install package (zip file) for NET Reports server and press Install.

Server name	Created	^	Install
Net Reports	07/02/11 01:05:56 PM		Uninstall and remove
			Uninstali and remove
			Config
4			

Press "Config" to open the new installed server configuration program.

3.2 Config

Server configuration utility. It runs only on server computer, started from PSG server manager application.

Several PSG server's can be installed on the same server computer.

Here we have the basic options used to configure the "NET Reports" server as many others are already pre configured, for more help option please study the PSG server configuration help that covers all options.

There are two operations to perform here:

- Windows Service setup
- Server certificate setup

Windows Service setup

Configuration utility E	:\NETREPORTS			_				
					Return	Exit		
Registration	Server	Installe	ed documents	Utils		Versions		
Data	abase and application s	erver		Application				
Server port:	40010 Set	PSG certificate	et certificate	iew certificate	Set NT	Service		
Default certificate should be used only for tests! One local certificate can be issued using Utils Tab here								
NET Reports						^		
* PSG server should be	restarted to apply change	5				-		
					Test connection	on string		

Server port:

- NET Reports uses two ports for data communications

- one for application communications (server port field in previous screen picture)
- one for HELP system (server port -10)

Those ports should be available by enable access into the firewall and properly routing if the server should be used from a different network as the Internet or another Intranet segment.

Use "Set NT Service" to set the Windows Service for the PSG server instance.

👿 PSG NT Service							
Service name							
PSG							
Work dir:							
E:WETREPORTS							
Run the server first to check if additional firewall settings are required on Windows Xp,Vista and Windows 7 see Help file for more details Run server							
Install service*							
Remove service							
Start	Stop						
*use Services Manager to m	anage the service						

The PSG server opens two ports to offer his services as application server. Traffic on ports will be HTTPS and HTTP.

Most firewalls need to be configured to allow PSG to run as a server.

Press "Run Server" - on Windows XP, Vista and 7 the Microsoft Firewall will ask if the application should be blocked or not.

Allow the PSG server to run here.

Do the same with any other firewall or security software that may run on the computer, please refer to the firewall help for more details.

Set the service name here and press "Install service" button.

PSG	
	Add PSG Reports SERVER
	1 Check Service time - minutes
	300 Pause Start - miliseconnds
	300 Pause End - miliseconds
	User Interface
	Cancel Generate INI file and INSTALL the service

Press "Generate INI file and INSTALL the service" button.

Next the server can be started from this interface or from operating system service manager.

Server certificate setup

The PSG server uses HTTPS for data communication. The used encryption is SSL3 and uses public/ private key cryptography.

In order to implement this a certificate should be used. While any certified certificate by a third party like Verisign and others could be used, also a non certified certificate could be used here. The security level is the same.

A certified certificate is generally used when the server should be verified by the client that is the real one like on-line shops. Here the certificate is used first to add good encryption to the system.

A default certificate is set by default. It will be enough for Intranet or local networks. To set a new certificate use "Set certificate" under "Server" tab. Chose a certificate and set the password if the certificate is protected by a password.

Found on "Utils" page, a certificate utility is available and can be used to create a "self-signed" certificate that can be used to secure the PSG server.

PSG Configuration utility E:\N	ETREPORTS				
				Return	Exit
Registration	Server	Installed documents	Utils		Versions
Available PSG commands Declared SQL commands International - Captions T Certificate utility Set dient interface progra	Certificate				
File name (other auxiliar fi	les) Client Rel	ative Path	•		

Use "Certificate" to create a new certificate and go back to the server page to set it as default.

Certificate Utility	×
BitCount	512 bit
Host Common Name (CommonName)	PSG 2.0 Server certificate
Owner Country (Country) Owner Email (Email) Short description (FriendlyName) Organization (Organization)	
Validity period Start date (ValidFrom) End Date (ValidTo)	
Certificate file name: KEY Password	
	Generate Cancel

Fill all fields and press "Generate" button. A bigger Bit Count will provide a better encryption but also will need more power. Generally 512 is enough, but 2048 can be used as well.

3.3 **Users management**

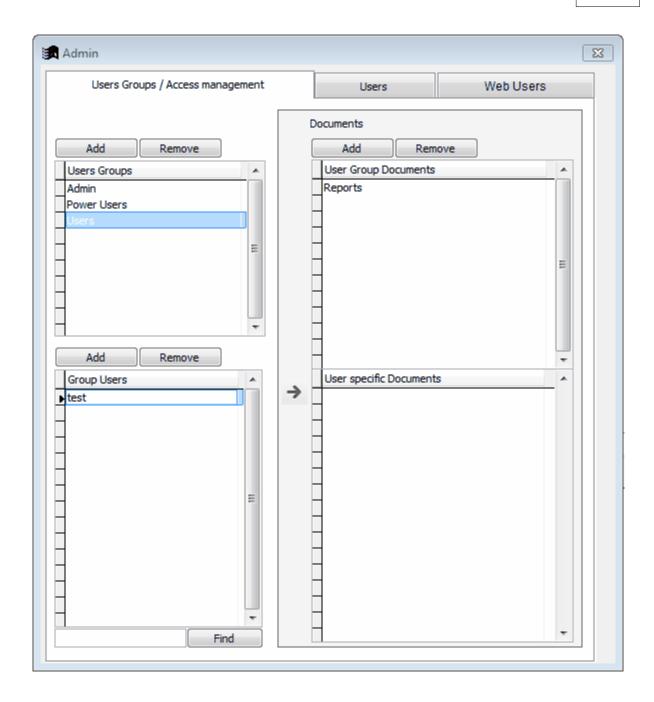
Available only for administrator in the client interface under "Admin" menu as "Users Management".

First set the users accounts. Administrator account can not be removed.

27 NET Reports 3.0

Users Groups /	Access management	Us	ers	Web Users
	in a second s			
	Find]		
Users List]		
Administrator			Add	
test			Remove	
			Change Password	i
			Print	
		User	Administrato	r
		Description	PSG System	administrator
		First Name		
		Lastname		
		🔽 Active		
		User Grou	ips	•
		Admin Power Use		
		Power Use	ers	
		-		
	-			-

Next set the users groups, add users per groups and add rights to users groups. The "Reports" document should be added to the user group access rights. This will allow users to access the reports user interface.



3.4 Reports management

This module is used to manage the installed reports (found using the client interface as "administrator" under "Reports" menu).

Reports management to
Add folder Delete folder
Add report Delete report
Edit report
Connections
101010 011010 01 01 011010
0 10101 0110 010 0 101010
2012

Tree view explorer:

Right click on a node for a short menu. One report can be copied with copy/paste from the short menu.

Double click on one report to edit. Use right text box to write report description.

Database connections are needed in order to use reports.

The "Connections" button opens the database connections window.

Create the connection string that should work with the database on your server. An ODBC connection string is required.

Press "Test connection" to verify the connection string.

Press "Create XML" to create a metadata XML file of the database to be used later by the reports designer graphic interface.

🌏 Databases con	nections		- • •
Add new	Delete		
Connection ID	Connection Name		×
TEST	Test		
NorthWind	NorthWind		
•			•
Connection string			
Driver={SQL Serv	er};Server=adi-pc\sqlexpr	ess;Database=northwind; Uid=sa;Pwd=123456; Ok Succesfull connection Connection string is OK OK	Test connection Create XML

Connections string samples for different database servers can be found at <u>http://www.connectionstrings.com</u> Check for ODBC connection.

3.4.1 Edit report

Reports editor, each report should have at least one SQL query and an output. NET reports allows reports from more databases at a time and users interfaces.



Report description page: - used to add a description to the report that's useful for the end user

Edit report: Test 1		83
Report name Test 1		Report
Report description Report description HERE		Variables - Interface
	L	ice SQL's procedures
		es Output
	Ŧ	

3.4.1.1 Variables interface

A visual form editor can be used to define variables that can be filled at runtime.

- Textbox
- Combobox
- Listbox
- Checkbox
- Label

Drag and drop the object on grid shape, a parameters list will be visible on the right side of the page.

🚱 Edit report: Te	st 1		
adi			Report
			- Variables - Interface
	Time period		Iterfa
	ostartdate Employee	oenddate	8
	ComboBox5548	-	ş
	Shipper		SQL's procedures
	ListBox8513		cdures (
			0
			Output
		-1	

Textbox

Name:	ostartdat	te	
Variable type:	Date		•
Position:			
Top:		t	101
Left:			93
Height:			22
Width:		1	148

Set the variable name and type.

С

ComboB	ох			
Name:		ComboBox5548		
Position:				
Тор	:			147
Left	:			93
Heig	jht:			22
Wid	th:			228
Database:		NorthWir	nd	•
Table:		Employee	es	-
Fields:				_
Title TitleOfCou BirthDate HireDate Address City	urtesy			▲
LastNi FirstN Emplo				*
Widths	200,2	00,0		

Set the database, table and fields to be used.

The last field in the list will be used as the value of the control. Widths - set the width of each field into the combobox (0 - to hide the key value).

istBox			
Name:	ListBox85	513	
Position:			
Top:			203
Left:			93
Height:			129
Width:			229
Database:	NorthWir	nd	
Table:	Shippers		-
Fields:			
Phone			<u> </u>
ChipporTD			
ShipperID CompanyNa	ame		
1			
			-

Same as the "combobox" control, the difference is that first field gives the value of the control. Both, comobox and listbox, do not work well with integer keys, avoid using integer fields as key. All variables declared with textbox,comobox and listbox can be used later in SQL queries.

Label

Caption					
Time period					
Position:					
Top:	74				
Left:	140				
Height:	22				
Width:	148				

Set the label caption.

3.4.1.2 SQL procedures

Here the SQL queries can be set. This part requires SQL language knowledge.

🧼 Edit report: Test 1			
Available Data:	SQL's SQL name Database first NorthWind Image: SQL of the second	lerdate) as quarter,first.* from	Report Variables - Interface SQL's procedures Output

1. The used databases (access the databases structures)

- here we see only one - Northwind, but a lot of databases can be used if we have proper connections between them.

- Ex: Sales database and HR database data will require

- at least a table codes of employees from
 - both databases if we want to integrate

data from both databases to the same report

- data and structure can be seen
- this control can be hidden using the vertical shape on right of the control.

2. SQL Queries

- each query should have a name.
- there can be as many as needed

- the query can be written by hand (right text edit or text editor 🕍) or a visual query editor

can be used 🎵

				▲ 📑 dbo
Orders 🖂	OrderDetails	Products		
1	» 🗆 *			
OrderID Integer	OrderID Integer			
	ProductID Integer	ProductName WideStrin		CustomerCus
				Customers
	Discount Float			Employees
				EmployeeTer
	Categories 🛛 🖂			
	•			
	CategoryID Integer	Discontinued Boolean		OrderDetails
	CategoryName WideStr		-	Orders
	Description			Orders Qry
	Picture Blob	Shippers 🖂		
B Shipcound y WideSurng				Products
	/	1 □ / ShipperID Integer		
		CompanyName WideStr		
Suppliers 🖂 🛛		Phone WideString		
••••••••••••••••••••••••••••••••••••••		<u></u>		Region
SupplierID Integer				
				Shippers
ContactName WideStrin				 Summary of
			~ ~	
	Allas Sort Type Sort Ord		or or	Suppliers
				Territories
Categories.Category				
E Suppliers.CompanyN				
: V Shippers.CompanyN				
Shippers.CompanyNa Employees.LastName	employee			
: V Shippers.CompanyN	employee			
	OrderDD Integr CustomeDD ExployeeD Integre Declaration RequiredDate Datation RequiredDate Datation RequiredDate Datation Skplota Integre Skplota Integre Skplota Integre Skplota Datation Skplota Datatio Skplota Datatio Skplota	Order10 Integer Custome10 Employee10 Integer Custome10 Employee10 Integer Order20 Integer Order20 Integer Supporter Datatione Supporter D	OrderID Integer CustometD EndovetD Integer CustometD EndovetD Integer CustometD EndovetD Integer CustometD EndovetD Integer CustometD EndovetD Integer CustometD Suppleter EndovetD Integer CustometD Suppleter Suppleter Integer CustometD Suppleter Supple	OrderDD Integer CustomeD ExployeeDD Integer CustomeDate Distature SuppletE Distature Supp

Each query can be tested by pressing the button. It is a good idea to test each query when created.

3. Here we set the code that runs last on server. RUNSQL(<sqlname>) - runs the SQL query named <sqlname> RETURNSQL(<sqlnqme>) - return SQL result.

Between those commands, SQL's that collect data from multiple sources can be inserted. Available new functions:

- _month(<date field>) returns month like "M2011.01" from "2011-01-01"
- _quarter(<date field>) returns quarter from date like "Q2011-01"

Sample:

RunSQL('first')

select _month(first.orderdate) as month,_quarter(first.orderdate) as quarter,first.* from first into cursor second

ReturnSQL('second')

All queries can be tested at once by pressing button here.

3.4.1.3 Output

Each report should have a report output layout. Different types of results can be set as output layout as required.

- Files

- List Print
- List Excel
- CrossTab
- Excel PivotTable
- Dashboard

		X
Report data sources Report type	모	Report
Files Create report Print report Modify report	Report	\vdash
Kemove report layout	ort	Variables - Interface
Ms.Excel workbook CrossTab report		Interfac
- Dashboard	Layout	$\left - \right $
Get data Custom	u0	SQL's procedures
2		edures
	ciotatos.	Output
	10101010 011010 010 01 101010 01 10101010	
	0 10101 10 0110 0101 0 10101010	
	01011010101010101010101010101010101010	

To create or modify a template layout first the records dataset is required. Press "Get data" button to have the queries results (1).

Chose the report type and press "Create report".

If a report is already set, press "Remove report layout", chose a new output type and press "Create report"

Files is set by default, the queries results will be presented as lists into a tabbed form. All others options uses easy wizards and visual interfaces to create the layouts.

3.4.1.3.1 List - Print

🚱 Edit report: Customers List					×
Report data sources	Report type Files Files Files Files Files Files Files Files Files Files Files Ms.Excel PivotTable Files Ms.Excel workbook Files CrossTab report CossTab report Custom	Create report Modify report Remove report layout	Á	Report Layout	

Have the data cursors from the server, chose "Print report" and then "Create report".

NET Reports - Classic Report - wizard					
Available fields			Selected fields		
COMPANYNAME CONTACTTITLE CONTACTNAME ADDRESS CITY REGION COUNTRY POSTALCODE PHONE FAX	~	44			
			L	Cancel	Next

Select all needed fields to the list in the right part of the form and press "Next".

NET Reports - Classic Report	- wizard		
	Report Title		
	 Landscape Portrait 	Page A4 Gridlines Both	•
	Column label	Gridlines color	
Report Header / Detail Band	Companyname		
Companyname	Contacttitle	Contactname	Addres
Alfreds Futterkiste	Sales Representative	Maria Anders	Obere
Ana Trujillo Emparedados y I	Owner	Ana Trujillo	Avda. (
Antonio Moreno Taquería	Owner	Antonio Moreno	Matad
<			
		Cancel Previous	Next

Set here some reports items as title, columns names, page type and press "Next".

NET Rep	ports - Classic Report	t - wiza	rd				
	Field	Sum	Max	Min	Avg	*	Totals & Group options
							Page footer totals
						Ŧ	Summary band
	COMPANYNAME CONTACTTITLE CONTACTNAME	* III	Gro	oup by Remo	ve gro	oup	field from detail line
	ADDRESS						Add max three groups
	CITY REGION COUNTRY	+					 Data should be ordered acordingly into the SQL statement
							Cancel Previous Finish

The wizard can add page groups and totals, set them here and press "Finish" when ready.

🚹 Net Re	eports	-							
System	Admin Reports Edit Hel								
()= 9	l: 🗋 🔀 🧐 🕒 🖅 🗍	🔉 A 🖿 + 🗆 O 🖁	🔒 🎼 릐 ㅠ 😐 후						
	ort Designer - first.frx								8
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°-									
			<u> </u>	Customers List"			UAL	ETIMEO	
-									
.1								7	
_	"Companyname"	Contacttitle"	"Contactname"	"Address"	Citv"	Region"	Country"	_	
	age Header								
0_	companyname	contacttitle	contactname	address	citv	Iregion	lcountry		
📃 📥 De	etail								
0	<u>.</u>	1	1	1	1	1	-		
							"Pac	ae ^t pagen	
	- .								- I
	age Footer								-
•									

The reports is created and opened into the report editor.

Each field could be set as wanted.

Field Pro	operties				-	-		x
General	Style	Dynamics	Format	Print when	Calculate	Protection	Other	Advanced
<u>E</u> xpressio	n:							
first.cont	tactnam	e						
Object	positior							
	0 <u>F</u> I							
	-	x relative to <u>t</u> x relative to <u>b</u>						
				ana				
✓ Stretc								
	id positio page top	on in layout -	Height:					
	.447 in 🗄			in ≑				
From			Width:					
3	.770 in 🗄	*	1.645	in 🚔				
					0	K Ci	ancel	Help

3.4.1.3.2 List - Excel

After you have the data cursors available, select the "MS. Excel workbook" option and press "Create report".

)	
	-
	el

Select the fields and press "Next".

NET Reports - report to Ms. E	cel® wizard		
		✓ date	
Title: Customers List			
	Columns Headers		
COMPANY	TITLE	CONTACT	ADD
COMPANY	TITLE	CONTACT	ADD
<			•
		🔽 page&pages	
✓ autocenter Number of columns: 10	 ✓ Gridlines ✓ Auto fit in columns ✓ Repeat columns 	 Portrait Landscape 	
	cancel	vious next finish	

Set the Excel page and column headers here.

NET Reports - report to Ms. Excel® wizard
Press 'Finish' to create the Excel export script file
cancel previous next finish

Press "Finish".

3.4.1.3.3 CrossTab

Have the data cursors from the server, chose "CrossTab" and press "Create report" button.

Wizard - Crosstab Report	t			
Title			Save	Cancel
Monthly sales				
MONTH ; C QUARTER ; C DATE ; D CONTACT ; C ADDRESS ; C CITY ; C REGION ; C QUANTITY ; I UNITPRICE ; Y VALUE ; Y PRODUCT ; C EMPLOYEE ; C	•	Page REGION ; C Row EMPLOYEE ; C	Column MONTH Data	;C VALUE ;Y
	*			

Drag and drop fields to corresponding containers in the right (Page filter, Row, Column, Data).

Press "Save" when ready.

See "CrossTab report" for the report result.

3.4.1.3.4 Excel PivotTable

Have the data cursors from the server, chose "Excel PivotTable" and press "Create report" button.

Wizard - Crosstab Report	t		
Title			Save Cancel
		Page	Column
MONTH ; C QUARTER ; C DATE ; D CONTACT ; C ADDRESS ; C CITY ; C REGION ; C QUANTITY ; I UNITPRICE ; Y VALUE ; Y PRODUCT ; C EMPLOYEE ; C	•	:Page: Row :Row: Rows Totals Columns Totals	:Column: Data :Data:

Drag and drop fields to corresponding containers in the right (Page filter, Row, Column, Data).

Press "Save" when ready.

See "Ms. Excel PivotTable" for the report result.

3.4.1.3.5 Dashboard

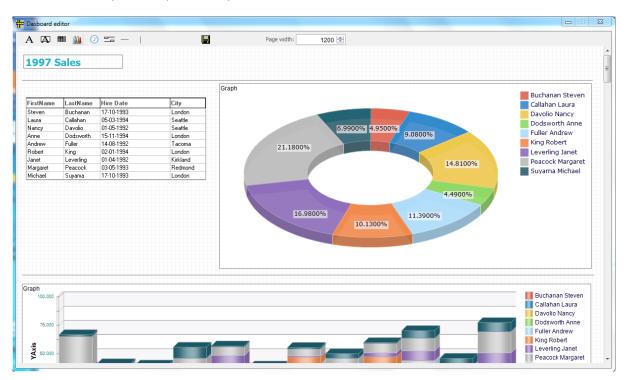
A visual editor for the Dashboard report. This reports uses more than one data cursor if necessary.

This sample is a report that present sales and some lists.

- list of products and stock products
- sales in a period second
- list of employees employees

Report data sources	Report type	
products 🔺	📴 Files	Create report
employees	Print report	Modify report
	률 Ms.Excel PivotTable	Remove report layout
	Ms.Excel workbook	
	ਿੱ ₽ CrossTab report	
	Dashboard	
x	다 Custom	

Press "Create report" to open the report editor.



- place objects on the page

- move and change size using the mouse

- right click to set the object properties or delete the object.

Graph object:

	Properties				x		
	Left	7		Width	1147		i.
	Тор	479		Height	352		
				Graph T	ype		1
	DataSource	second	•	9.Stacked Bars	-	-	н
	DataField	VALUE	-	1			Ü
	X Ax Field	MONTH	-				
	Graph Field	EMPLOYEE	-				
	Title						
M10 1	SubTitle					4	
M1907.6	3D Level		10 🌲			67.72	
XAxis				Powered by FoxCha	rts 🔅 VFP		

Select the data source, datafield, X Ax field and graph field. For Pie reports type (pie and doughnut) the "Graph field" is not necessary.

3D Level - 0 for plain graph.

Grid list object:

Product Name		Supplier	F	Price	Units in stock
Alice Mutton	Properties				×
Aniseed Syrup Boston Crab Meat	Left	14	Widt	h 7	75 12
Camembert Pierrot	Тор	1493	Heigh	nt 1	00 1
	DataSource	products	 Column 	IS	4
	Rows Height	16	Headers Heigh	nt	25
	Column	Column 1	▼ Widt	h 2	00
	Header	Product Name			
	Arial		Bold Italic	9 🚖	
	Field				
	Arial		Bold Italic	9 🛖	
	ControlSource	products.PRODU	CTNAM		

Set the grid parameters, for each column and header you may set properties as font name and size.

The object will be resized vertically at run time to show all items in the list. All objects in the page bellow the grid will be moved down accordingly.

3.5 Users access rights

Found on client interface under "Reports" menu. This can be used to set access to reports for users or users groups.

