TRAINING GUIDE

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clarity through connections www.lucity.com

Using Crystal Reports with Lucity

Intermediate - 1

The third of a seven-part series, this workbook is designed for Crystal Reports® users with some experience. By now you have many of the skills needed to modify existing reports. The main advantage to modifying existing reports is that the general format is already defined. This format helps create a uniform look and feel for your reports. It also helps save you the time it takes to set up the initial aspects of your reports. These include items such as page numbers, date fields, title placement, logos, lines, size, spacing, and boldness, just to name a few.

In this workbook, you'll learn that creating new reports uses many of these same techniques, but starts with a blank page. Through a series of step-by-step examples, we'll show you how to create a Crystal Report from scratch.

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Creating Reports

Before creating a report it is a good idea to have a general idea of what you would like the report to look like. You should know which tables, fields and calculations will be involved. You should know which module the report will be run from.

We would like a report to run from the Employees Setup module.

It will show the Name, Job Title, Department, Supervisor and Active.

It will group on Department.

It will count the number of Employees for the Department.

Report Wizard

- 1. Open Work > Work Flow Setup > Employees.
- 2. Ctrl right click all fields to be used in the report.
 - Table Name: WKUEMP
 - Fields: Name: EM_EMPL_TY

Job Title: EM_TITLETY

Department: EM_DEPT_TY

Supervisor: EM_SUPR_TY

Active: EM_ACT_FLG

- 3. Open Crystal Reports.
- 4. Click on Standard Report Wizard.

Getting Started		Register Your Produc	
West on the second s	New Reports Standard Report Wizard Standard Report Wizard Cross-Tab Report Wizard Mailing Label Report Wizard OLAP Cube Report Wizard	Recent Reports 1. WOSum.rpt 2. PStationSum.rpt 3. CT_reqsworev.rpt 4. LCEx_WOSumRunTot&Sum.rp 5. LCEx_WOSumRunTot.rpt	
Resources Online		Search	

Bring in Tables

- 5. Open Create New Connection >> ODBC (RDO) >> GBAWork001 >> Next >> Finish >> Tables
- 6. Move WKUEMP under Selected Tables (right-hand side).
- 7. Click Next.

Bring in Fields

8. Select the fields you would like to have in the report and move them to the right-hand box titled *Fields to Display*.

Standard Report Creation Wizard		×
Fields Choose the information to display on the report.		
Available Fields: Available Fields: MKUEMP Main EM_AC_ID EM_ACT_FLG EM_ACT_FLG EM_ADRESS EM_ADRESS EM_ADRESS EM_ADR_APT EM_ASRN EM_ASRN EM_ASRN EM_CITY EM_CLASS EM_CLASS EM_CLASS EM_CLASS EM_CRT_BY EM_CRT_DTTM EM_DEPT_CD MAIN EM_DEPT_TY Browse Data Find Field	Fields to Display: WKUEMP.EM_EMPL_TY WKUEMP.EM_DEPT_TY WKUEMP.EM_DEPT_TY WKUEMP.EM_SUPR_TY WKUEMP.EM_ACT_FLG	* *
< Back Next >	Finish Cancel	Help

9. Click Next.

Field Grouping

- 10. If you wish to group your data, select the grouping field and move it to the right side of the dialog under *Group By*.
 - Since we would like to group this report by **Department**, move the **EM_DEPT_TY** field to *Group By*.

Standard Report Creation Wizard			X
Grouping (Optional) Group the information on t	he report.		(8
Available Fields:	Group By:	+	+
Report Fields	WKUEMP.EM_DEPT_TY - A		

11. Click Next.

Summaries

12. You may also choose fields to summarize.

- For our example, we'd like to count the number of Employees (EM_EMPL_TY).
- You'll need to select the type of summary from the drop-down box at the bottom of the dialog. For our example, we've chosen *Count*.

Standard Report Creation Wizard	X
Summaries (Optional) Add summary information to	o the report.
Available Fields: Report Fields WKUEMP.EM_ACT_FLG WKUEMP.EM_DEPT_TY WKUEMP.EM_SUPR_TY WKUEMP.EM_TITLETY WKUEMP.EM_TITLETY WKUEMP EM_ACC_ID EM_ACCOUNT EM_ACCOUNT EM_ACT_FLG EM_ADRESS EM_ADRESS EM_ADRESS EM_ADR_APT EM_ASGN EM_BIRTH Browse Data Find Field	Summarized Fields:
< Back	Next > Finish Cancel Help

13. Click Next.

Group Sorting

14. There is also a *Group Sorting* option. There is only one group so this is already in the sort box.

🗎 Standard Report Creation Wizard	x
Group Sorting (Optional) Sort the groups based on the summarized totals.	
Group that will be sorted:	
☑ WKUEMP.EM_DEPT_TY	
What kind of group ordering would you like to see?	
None	
Top 5 groups	
Bottom 5 groups	
Comparing summary values for the Top or Bottom groups:	
▼	

15. Click Next.

Chart Addition

16. There is an additional option to add a chart. For our example, we will not put a chart in at this time.

Standard Report Creation Wizard	23
Chart (Optional) Include a chart on the report.	[10]
What kind of chart would you like to see? No Chart O Bar Chart O Line Chart O Pie Chart O	
Chart title:	
On change of:	-
Show summary:	-

17. Click Next

Record Selection

- 18. In the following dialog, you'll see a *Record Selection* option. We'll use this option to view *Active Employees* only.
 - Move EM_ACT_FLG to the right side of the screen under *Filter Fields*.
 - Use the drop down box to choose the selection criteria. For our example, we've selected *is True*.

📱 Standard Report Creation Wizard		23
Record Selection (Optional) Select a subset of information	ion to display.	8
Available Fields: Report Fields WKUEMP.EM_ACT_FLG WKUEMP.EM_DEPT_TY WKUEMP.EM_SUPR_TY WKUEMP.EM_SUPR_TY WKUEMP.EM_TITLETY WKUEMP EM_AC_ID EM_ACCOUNT EM_ACCOUNT EM_ADDRESS EM_ADDRESS EM_ADR_APT EM_ASGN EM_ASNWORK EM_BIRTH	Filter Fields: > is True.	_
EM_CITY	-	

19. Click Next.

Template

20. There are a number of *Templates* available to choose from. Typically, you would choose *No Template*.

Standard Report Creation Wizard	× •
Template (Optional) Select a template for the report.	
Available Templates	Preview
No Template	
Block (Blue)	
Confidential Underlay	
Corporate - Page Sections Only	
Corporate (Blue)	
Corporate (Green)	
Double-Sided Page Headers/Footers	
Executive Summary or Title Page	
Form (Maroon)	
Gray Scale	
High Contrast Contrast Index	
Table Grid Template	
Browse	
< Back Ne	xt > Finish Cancel Help

• The other options are worth looking at and playing with. It is easy to select one and preview the look.

Standard Report Creation Wizard					X
Template (Optional) Select a template for the re	port.				5
Available Templates		Preview			
No Template			Craya		
Block (Blue)			A particular descent part of a large		
Confidential Underlay					
Corporate - Page Sections Only			Television and		
Corporate (Blue)			teries etc. calmo		
Corporate (Green)	=		The second secon		
Double-Sided Page Headers/Footers			Tattalaan arka		
Executive Summary or Title Page			Territoria chell		
Form (Maroon)			and an	····· ·····	
Gray Scale			Table Cast		
High Contrast					
Contrast Index					
Table Grid Template	-		Padring		

21. Select *Finish* when you are done.

The Report Wizard has created the following:

Star	t Page	Report1 ×				
Design	Previe	w				
				· · · ·	· · 5 · . · · · · 6 · · ·	• • • • • 7 • • • • • • • 8 •
RH						
PH	Đ	Print Dat				
		EM DEPT	EM EMPL	EM TITLET	EM SUPR	EM ACT F
GH1	Đ	Group #1 Name	-			
D	Ð	EM_DEPT_TY	EM_EMPL_TY	EM_TITLETY	EM_SUPR_TY	EM_ACT_FLG
GF1	D	Group #1 Name] {f WKUEMP.EM_EM	PL_TY		
RF	Ð	Grand Total:	f WKUEMP.EM_EM	PL_TY		
PF						
	D					ge Number

Preview

sign Preview ×						: 😪 🖄 🖌 🔺
Report 1			. 2		. 5 6	7 8 .
Adult Sp						
Commerc	PH .					
	РН .	3/2/2014				
Commun						
Culture 8		EM DEPT TY	EM EMPL TY	EM TITLETY	EM SUPR TY	EM ACT FLG
Develop	GH1 ·					
Facilities		Facilities Maintenance				
Fire Ope	D _	Facilities Maintenance	HONG MAN			True
Fleet Ma	D -	Facilities Maintenance	DICKCRISTOPH		JAMES WOOD	True
- Fleet Ma	D -	Facilities Maintenance	NICKWORTH		JAMES WOOD	True
Freeston	D .	Facilities Maintenance	DYLAN OPAL			True
Library F	D	Facilities Maintenance	ROBERTROTO		JAMES WOOD	True
McQuee	D .	Facilities Maintenance	JORDAN SIMPLY		JAMES WOOD	True
Mesquite	D -	Facilities Maintenance	FRED KELLEY		JAMES WOOD	True
PARKS	D N	Facilities Maintenance	JAMES WOOD		RYAN SEASON	True
Prks & O	D .	Facilities Maintenance	ADAM ADAMS		JAMES WOOD	True
	GF1					
- Public W	-	Facilities Maintenance		9		
	GH1 ·					
···· PW Field	·	Fire Operations				
Recyclin	D	Fire Operations	STEW TALLEY		RHETT BOSTON	True
Resident	D ···	Fire Operations	CLINT WEST		PHILLIP ALEXANDER	True
Resident	GF1					
Riparian E		Fire Operations		2		

This report still needs modifications to make it presentable.

- 22. Remove the Active field (EM_ACT_FLG) since the report is selecting on this field.
- 23. Remove the **EM_DEPT_TY** field since it is the Group field.
- 24. Add a text object in the Page Header for the Title (Employees By Department).
 - Resize and center the *Title*.
- 25. Change the Column Headers (field headings) to match the fields.
- 26. Modify the Summary Fields.
 - a. Left align.
 - b. Reduce widths.
 - c. Remove the bottom borders.
- 27. Change the Group Option to Keep Group Together.

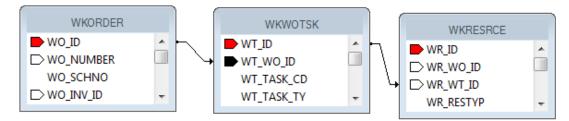
3/2/2014	Employees	Employees By Department										
	Name	Job Title	Supervisor									
Facilities Maintenance												
	NICK W OR TH JAMES W OOD	COMM REFUSE SERVICE FACILITIES MANAGER	JAMES WOOD									
	FRED KELLEY HONG MAN	SECRETARY SENIOR CUSTODIAN WOF	JAMES WOOD									
	ADAM ADAMS	SENIOR MAINTENANCE W										
	DICK CRISTOPH ROBERT ROTO JORDAN SIMPLY DYLAN OPAL	OFFICE SUPERVISOR SENIOR CUSTODIAN WOF SENIOR CUSTODIAN WOF SENIOR MAINTENANCE W										
Facilities Maintenance	9											
Fire Operations												
	STEW TALLEY CLINT WEST		RHETT BOSTON PHILLIP ALEXANDER									
Fire Operations	2											

28. Finally, save the report with an appropriate name under the Work family of reports (LC_EmpByDept.rpt).

Table Joins

Usually in Crystal's Database Expert the tables are linked with an outer join. When there is information in the first table then it looks to the table it is joined to with the outer join. This normally shows up with an arrow from the one to the other. (Sometimes in older versions of Crystal the arrow point doesn't show up, so the line looks like an inner join. You have to click on it to figure out the kind of join that is being made.)

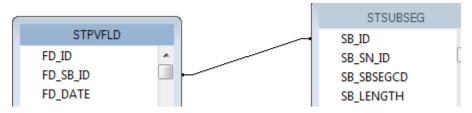
Left Outer Join:



There would need to be a work order before you would pull task information. There would need to be a task before the resource information would show up.

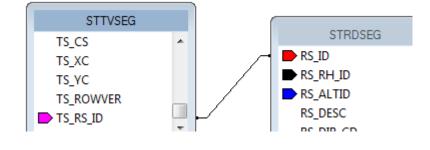
There are some cases within Lucity where an inner join is required. One example is where both Subsegment and Road share the same table (**STPVFLD**) for storing Inspection data. Chances are good that you would not use both Subsegment and Road so this shouldn't be an issue but if you do, then an inner join would be the way to handle the information.

Inner Join:



Now in order to see records both tables would need to have data where **FD_SB_ID** is equal to **SB_ID**.

A similar case is how the Traffic Volume table (**STTVSEG**) connects to Segment and Roads. An inner join is again used.



Example 15

Blank Report

Reports can be made from a "blank slate". It will have the five sections open to add what you would like.

We will create a *Sewer Pipe* report with Lamping data. The Lamping data comes from a grid or child box. Usually there would be multiple lamping records to the one pipe, a one-to-many relationship. If pipe and lamping fields were brought into the same Detail section of a report then the line would show for every Lamping record which would also duplicate the Pipe information. This isn't a good way to present the data.

Alt Pipe ID:	US Structure:	DS Structure:	Lamp Date:	US or DS:	_
1000	113495	113497	3/1/2009	Up	
1000	113495	113497	2/3/2008	Up	
1000	113495	113497	2/9/2007	Down	

Typically there would be at least one group on a field from the parent table and then at least one group on a field from the second table.

We would like a report to run from the Sewer Pipe Inventory module.

It will show the Alt Pipe ID, US Structure, DS Structure, Size and Length.

It will *show* Lamping Date Inspected (descending), Time (descending), US or DS, Cleaning and Deposition.

It will group on Alt Pipe ID, Lamping Date and Time.

It will show the most recent record (LP_LATEST) Lamping Date in red if it is not within the last year.

- 1. Open Sewer > Inventory > Pipes
- 2. Control right click all fields to be used in the report to find the field names.
 - Table Name for Pipe: SWNET

Fields:Alt Pipe ID:NT_NUMBERUS Structure:NT_USMANDS Structure:NT_DSMANSize:NT_DIALength:NT_LENGTH

• Table name for Lamping: SWLAMP

Fields: Date Inspected: LP_DT_INSP

Time Inspected: LP_TM_INSP

US or DS: LP_INMH_TY

- Cleaning: LP_CLN_TY
- Deposition: LP_DPO_TY

3. Open Crystal Reports and click Blank Report.

🔂 Crystal Reports - [Start Page]		المرابع بالمرابع
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Resources Online		Search

Bring in Tables

- 4. Next, open Create New Connection >> ODBC (RDO) >> GBASewer001 >> Finish.
- 5. Move the SWNET and SWLAMP tables to the Selected Tables section.
- 6. Click OK.

Link Tables

- 7. This should bring you to the *Links* section where the two tables will be connected.
 - a. Sometimes the link has already been added this is Crystal's best guess and is usually incorrect, so delete it. Click and select *Clear Links*.
 - b. Find the common linking field. Typically this would be an ID field with a common part. If this isn't obvious, check the Detail report that is provided with the module and see how the tables are connected.

NT_ID links to LP_NETID

- c. Typically it is good practice to have the main table (parent table, the table of the module you are running the report in) in the top left corner. Then additional tables are linked from there. The tables can be moved by clicking on the top bar of a table and dragging it to a new location.
 - Click on the Main ID of the parent table (NT_ID), hold and drag to the connecting field of the other table (LP_NETID), release.
 - > A line has been created.
 - Right click on the line and select *Link Options...*

- d. The Join Type by default is *Inner Join* (both table values are equal to see a record). The majority of the time this join should be *Left Outer Join* (It will show all records in the Parent table whether there are records in the linked table).
 - \circ $\;$ Change to Left Outer Join.

Link Options		×
SWNET.NT_ID> SWLAMP.LP_	NETID	4
Join Type Inner Join Left Outer Join Right Outer Join Full Outer Join	Enforce Join Not Enforced Enforced From Enforced To Enforced Both	Link Type
	OK Cancel He	lp
○ OK		

e. When you click off the line, the line now has an arrow pointing from the parent table to the linked table.

Data Links				
Link together the tables	-	-		
Linking is needed to match re	cords of one t	able with co	prresponding records of anot	her tabl
SWNET	г		SWLAMP	
► NT_FTYP_TY			LP_MOD_DT	
NT_GOVT_CD)		LP_MOD_TM	
NT_GOVT_TY			LP_MOV_FLG	
► NT_ID		┝ ───	→ ■ LP_NETID	
NT_IDM			LP_OFFSET	
NT_IGNORE	-		LP_POSTTV	

8. Click OK.

You now have a blank page to create a report.

Design	
	••••1•••1•••1•••2•••1•••3•••1•••4••••5•••1•••6•••1•••7•••1•••8•
RH	
PH	
D	
RF	
PF	

- 9. Give the report a name. *File >> Save As*.
 - a. Make sure you save the report in the proper report file. For our example, select the **Sewer** file.
 - b. The name for this report will be LC_SWPipeLamping.rpt.

The report can be created using any of the previously discussed techniques.

10. Insert a logo in the *Report Header*.

Design																						
		•	•	•	T	•	•	•	1	•	•	•	T	•	•	•	2	•	•	•	T	•
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Special Fields

- 11. In *Field Explorer*, open *Special Fields*. There are a number of preset fields which aid in the report design.
 - Drag in the **Page Number**, **Print Date**, and **Print Time** preset fields. (For a long report avoid the "Page N of M" option, it slows down the report run)
 - 🖻 🐨 🛣 Special Fields ----- Content Locale ---- Data Date ---- Data Time ----- Data Time Zone ----- File Author 🚥 File Path and Name 🚥 Group Number ------ Group Selection Formula 📼 Horizontal Page Number ------- Modification Date 📼 Page N of M 🚥 Page Number --- Print Date 🚥 Print Time - Princ hine Zone 🚥 Record Selection Formula - Report Comments 🚥 Report Title ---- Total Page Count
- 12. Create a report title in the *Page Header* section.
 - a. Bring in a text object; we've titled this one, Sewer Pipe Lamping Summary Report.
 - b. Increase the field size and format to font 16, Italic.
- 13. Enter Column Titles with the Insert Text Object function.
 - a. Right align Size and Length.
 - b. Add guide marks.
 - c. Align tops of Column Titles.
 - d. Add a line to the bottom of the Page Header section.

Design	
RH	
PH :	
	Sewer Pipe Lamping Summary Report
	Alt Pipe ID: US Structure: DS Structure: Size: Length

- 14. Insert Group (NT_NUMBER).
- 15. Drag the appropriate fields into the Group Header 1 section.
 - Align top of fields.
- 16. Suppress the *Group Footer 1* section.
 - Right click in left margin next to GF1, select Suppress.
- 17. Add an additional section to Group Header 1.
 - Right click in the left margin of *GH1*, select *Insert Section Below*.
- 18. Place Lamping Title and Column Titles in the *Group Header 1b* section.
 - a. Format Not Bold, Italic and Column Titles underlined.
 - b. Align Column Titles.

PH	:	Sewer Pipe Lamping Summary Report									
	-	Alt Pipe ID:	US Structure:	D S Structure:	Size	Length					
GH1a		NT_NUMBER	NT_USMAN	NT_DSMAN	T_DIA	LENGTH					
GH1b	:	Lamping <u>Date</u>	[<u>Time</u>] [<u>USorDS</u>]	<u>Cleaning</u>] [Per	oosition]					

- 19. Insert Group on Pipe Lamping Inspected Date (LP_DT_INSP). GH2
 - a. Select from drop box In descending order.
 - b. Click OK.
 - c. Suppress the Group Header 2 and Group Footer 2 sections.
- 20. Insert Group on Pipe Lamping Inspected Time (LP_TM_INSP). GH3
 - a. Set up like the Date group In descending order.
 - b. Suppress the Group Header 3 and Group Footer 3 sections.
- 21. Create formulas for the Lamping Date and Time fields.
 - o Date({SWLAMP.LP_DT_INSP})
 - Time({SWLAMP.LP_TM_INSP})
- 22. Bring into the Detail section the newly created Date and Time formulas. Bring in the other desired Lamping fields.
 - o Align

PH	:	Sewer Pipe Lamping Summary Report										
	-	Alt Pipe ID:		US Structure:]		DS Structur	e:]	- -	Size	Length:	
GH1a		NT_NUMBER	1	NT_USMAN		1	NT_DSMAN			T_DIA	LENGTH	
GH1b	:	Lamping <u>Date</u>	Tim e	-	US or DS	;		<u>Cleaning</u>	;	Dep	osition	
GH2		Group#2/Name///////	1///	///////////////////////////////////////	///////////////////////////////////////	///	///////////////////////////////////////	///////	//////	///////////////////////////////////////	///////////////////////////////////////	///////////////////////////////////////
GH3		Group#3/Name//////	[[]]	///////////////////////////////////////	///////////////////////////////////////	///	///////////////////////////////////////	///////	//////	///////////////////////////////////////	///////////////////////////////////////	<u>/////////////////////////////////////</u>
D	•	@LampDate	@La	mpTime]	LP_INMH	_тү		P_CLN_	TY] [P_	DPO_TY	1
GF3		///////////////////////////////////////	/////	///////////////////////////////////////	////////	///	///////////////////////////////////////	///////	//////	///////////////////////////////////////	///////////////////////////////////////	///////////////////////////////////////
GF2		///////////////////////////////////////	////	///////////////////////////////////////	////////	///	///////////////////////////////////////	///////	//////	///////////////////////////////////////	///////////////////////////////////////	<u>/////////////////////////////////////</u>
GF1		///////////////////////////////////////	////	///////////////////////////////////////	////////	///	///////////////////////////////////////	///////	//////	///////////////////////////////////////	///////////////////////////////////////	///////////////////////////////////////

Conditional Formatting

- 23. Conditionally format the @LampDate field to show red if the latest date is over a year old.
 - a. Right click @LampDate, select Format Field...
 - b. Font Tab, click the formula box next to Color:.
 - c. Enter the following formula:
 - d. if ({SWLAMP.LP_LATEST} and {@LampDate} < printdate 365) then crRed else crBlack
 - e. Save and close
 - f. OK

Alt Pipe ID:	US Structur	re:	DS Struct	ure:	Size:	Length:
1000	113495		113497		8	170.80
Lam ping						
Date	<u>Tim e</u>	<u>US or DS</u>		<u>Cleaning</u>	Depositio	on
3/1/2009	10:00 am	Up		No	N/A	
2/3/2008	7:54 am	Up		Yes	Mud	
2/9/2007	2:03 pm	Up		No	R ock s	
1001	113486		127237		8	412.00
Lam ping						
Date	<u>Tim e</u>	<u>US or DS</u>		<u>Cleaning</u>	Depositio	on
8/3/2013	8:52 am	Up				
2/23/2006	10:52 am	Up		Yes	Mud	
1002	113487		113486		8	401.40
Lam ping						
Date	<u>Tim e</u>	<u>US or DS</u>		<u>Cleaning</u>	Depositio	<u>on</u>
5/23/2004	11:08 am	Up		N/A	Mud	
1003	113493		113494		8	49.10
Lam ping						
<u>D ate</u>	<u>Tim e</u>	<u>US or DS</u>		<u>Cleaning</u>	<u>Depositi</u>	on
1004	113625		113624		8	401.40

Blank Lines

In the previous example, Pipe 1003 shows the *Detail* section as empty space when there are no Lamping records. It also shows the Lamping Header Titles in *GH1b*.

These issues can be addressed in two ways.

• You could remove pipes that do not have Lamping records by changing the Table linking to Inner Join.

OR

- If you want to keep the pipes and will use the report to find pipes that have no lamping records then suppress the *GH1b* and *Detail* sections when there are no records.
 - a. Click on Section Expert 🔞.
 - b. Click on *Group Header #1b* to highlight.
 - c. Click on the formula box next to Suppress.

- d. Enter the following formula:
- e. isnull({SWLAMP.LP_NETID})
- f. Save and close (formula box is now red)
- g. Click on *Details* to highlight.
- h. In the right box click to check the box next to Suppress Blank Section.
- i. OK

1002		113487		113486		8	401.40
	Lamping <u>Date</u>	<u>Tim e</u>	<u>US or DS</u>		<u>Cleaning</u>	<u>Deposition</u>	
	5/23/2004	11:08 am	Up		N/A	Mud	
1003		113493		113494		8	49.10
1004		113625		113624		8	401.40

Example 16

Mailing Labels

Another report option in Crystal Reports is a way to create a report for mailing labels. For our example, we will create a report for Work Order Billing labels.

- 1. Open Crystal Reports and click Mailing Label Report Wizard
- 2. Open Create New Connection.
- 3. Open ODBC(RDO).
- 4. Select the required table(s). (WKORDER)

(If you are going to filter or select on any fields that are not in **WKORDER**, even if they are not used in the body of the report, then you will need to select these other tables and link them as previously discussed.)

5. Select the fields to be displayed.

🖺 Mailing Labels Report Creation Wizard		×
Fields Choose the information to display on the report.		
Available Fields: Available Fields: WU_CONDIF WU_CONDIF WU_MISCCST WU_MISCEST WU_MISCEST WU_MISCDIF WU_BCDUSTID WU_BCUSTID WU_BCUSTID WU_BCUSTNO WU_BCIST WU_BADDR1 WU_BADDR1 WU_BADDR1 WU_BADDR1 WU_BADDR1 WU_BADDR1 WU_BADDR1 WU_BADDR1 WU_BADDR1 WU_BADDR1 WU_BADDR1 WU_BADDR1 WU_BCITY WU_BCITY WU_BOSTAL WU_BOSTAL WU_BINNO WU WU WU WU WU WU WU W	+	>
<back next=""> Finish Cancel</back>	Hel	₽́

6. Select the mailing label type from the drop down box.

Mailing Labels Label Choose the	Report Creation V label type.	Vizard					
Mailing Label Type:							
Address (Avery 52)	62)		-				
Label Size Width: Height:	4.000	in in		Gap Between Labels: Horizontal: Vertical:	0.188	in in	
Page Margins: =				<u> </u>			
Тор:	0.833	in		Bottom:	0.833	in	
Left:	0.156	in		Right:	0.156	in	
Printing Direction							
Across The				Across Page:		2	
C Down Then	Across			Down Page:		7	
	< Back		Next >	Finish	Cancel		Help

- There are other options on this page to choose from.
- 7. Select *Next*. The next page allows you to select a filter field. After that step, the report will appear:

RH		
PH	000	
Da	DWO_BFIRST	WO_BFIRST
Db	DWO_BLAST	WO_BLAST
Dc	DWO_BADDR1	WO_BADDR1
Dd	DWO_BCITY	WO_BCITY
De	DWO_BSTATE	WO_BSTATE
Df	DWO_BPOSTAL	WO_BPOSTAL
RF	000	
PF	ę	

• The second column in gray is automatically created.

Preview

Carol	Jane
Smith	Howe
123 Oak	456 Elm
Lenexa	Lenexa
KS	KS
66224	66225
City of Lenexa 789 Main Lenexa KS 66226	George Rain 753 Willow Lenexa KS 66223

- The fields were each placed in their own *Detail* section, thus stacking the information. You could move the fields around placing the Last name after the First and the State after the City; however, this frequently creates awkward spaces.
- 8. You would probably want to concatenate some fields by creating formulas to combine the two name fields and the City and State fields.

Name Formula:

(If IsNull({WKORDER.WO_BFIRST}) Then " " Else {WKORDER.WO_BFIRST})&" "& (If IsNull({WKORDER.WO_BLAST}) Then " " Else {WKORDER.WO_BLAST})

City/State Formula:

(If IsNull({WKORDER.WO_BCITY}) Then " " Else {WKORDER.WO_BCITY})&", "& (If IsNull({WKORDER.WO_BSTATE}) Then " " Else {WKORDER.WO_BSTATE})

	D/////////////////////////////////////	<u> </u>	<u>/////.</u>
Da	D @Name	@Name	4
Db	D WO_BADDR1	WO_BADDR1	
Do	D @CityState	@CityState	
Dd	D WO_BPOSTAL	WO_BPOSTAL	
RF	Ð	7 /</td <td>/////</td>	/////

Intermediate Crystal 1

Preview

Carol Smith	Jane Howe
123 Oak	456 Elm
Lenexa, KS	Lenexa, KS
66224	66225
City of Lenexa	George Rain
789 Main	753 Willow
Lenexa, KS	Lenexa, KS
66226	66223

- 9. If any changes need to be made to the layout of the report, click on the Section Expert.
- 10. Click *Details* and a *Layout* tab will appear.
- 11. Click on the *Layout* tab and make the necessary changes.

Section Expert			×
Sections:	Insert Delete Merge 🕈 🕈	Common Layout	
Report Header Page Header Details		Detail Size: Width	4.000 in
Details a Details b		Height	1.333 in
Details c Details d Page Footer		Gap Between Details: Horizontal	0.188
Report Footer		Vertical	0.000 in
		Printing Direction:	
		 Across then Down 	
		C Down then Across	
		Number of Details:	
		Across Page	2
		Down Page	7