

Converting WinReports and Crystal Reports to Dataflex Reports

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What is WinReports and Crystal Reports

- › Tools for generating reports
- › Almost 20 years old
- › Conversion cannot be automated due to copyright
- › Not as easy as I thought!

Structure

- › The task can be broken down into smaller pieces
- › From top to bottom
- › And from left to right

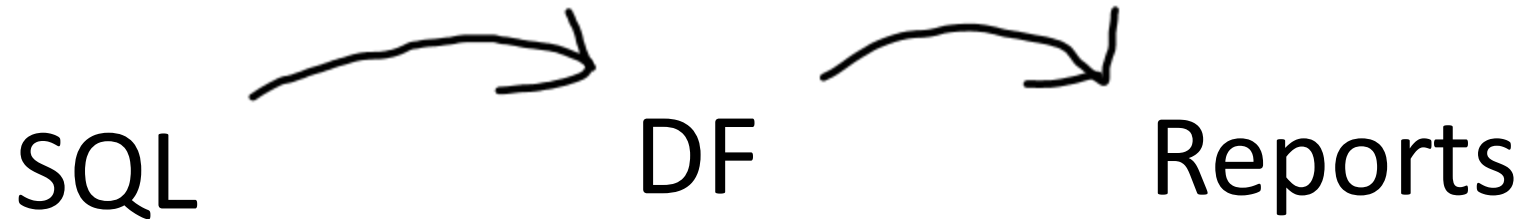
- › Groups structure how data is presented

Groups

Group Header #1: cust.Customer			
Details			
Group Footer #1: cust.Customer			
Report Footer			

customer 1	product 1	100,00
	product 2	200,00
	product 3	150,00
	Total:	450,00
customer 2	product 4	150,00
	product 5	450,00
	product 6	50,00
	Total:	650,00
customer 3	product 7	200,00
	product 8	100,00
	product 9	500,00
	Total:	800,00

Strategy



- › Where do you get your data from
- › Where do you place functions and parameters
- › How do you filter and sort
- › Example: Filtering on records such that there does not exist a related record can be difficult!

Complicated logic

```
SELECT distinct id as Center, navn as Navn, kommune as Kommune, BilGruppe, "Slut dato", cplan.dbo.Pakke.PakkeNr FROM (
  SELECT sbhweb.dbo.SBHDEPOT.id, navn, kommune, BilGruppe, MAX(Slutdato) as "Slut dato" FROM sbhweb.dbo.SBHDEPOT
  LEFT JOIN cplan.dbo.kplan
  ON sbhweb.dbo.SBHDEPOT.id = cplan.dbo.kplan.Center
  LEFT JOIN cplan.dbo.PakkeCenter
  ON sbhweb.dbo.SBHDEPOT.id = cplan.dbo.PakkeCenter.Center
  LEFT JOIN cplan.dbo.Pakke
  ON cplan.dbo.PakkeCenter.PakkeNr = cplan.dbo.Pakke.PakkeNr
  WHERE aktiv = 1
  and BilGruppe != 0
  and (DatoTil > CURRENT_TIMESTAMP or Datotil < '1754-01-01') and DatoFra <= CURRENT_TIMESTAMP
  and sbhweb.dbo.SBHDEPOT.id not in (
    Select id FROM sbhweb.dbo.SBHDEPOT
    LEFT JOIN cplan.dbo.PakkeCenter
    ON sbhweb.dbo.SBHDEPOT.id = cplan.dbo.PakkeCenter.Center
    LEFT JOIN cplan.dbo.Pakke
    ON cplan.dbo.PakkeCenter.PakkeNr = cplan.dbo.Pakke.PakkeNr
    Where Slutdato > CURRENT_TIMESTAMP)

  GROUP BY sbhweb.dbo.SBHDEPOT.id, navn,kommune, BilGruppe) T

LEFT JOIN cplan.dbo.PakkeCenter
ON id = cplan.dbo.PakkeCenter.Center
LEFT JOIN cplan.dbo.Pakke
ON cplan.dbo.PakkeCenter.PakkeNr = cplan.dbo.Pakke.PakkeNr
where "Slut dato" = cplan.dbo.Pakke.slutdato
or cplan.dbo.Pakke.slutdato is null

order by id
```

SQL

The screenshot shows a report design window titled 'example.rpt'. The design is organized into sections: Report Header, Page Header, Group Header #1 (Product.Product ID - A), Details, Group Footer #1 (Product.Product ID - A), Report Footer, and Page Footer. The table has 19 columns and 7 rows. The first row is the Report Header, the second is the Page Header, the third is the Group Header #1, the fourth is the Details row, the fifth is the Group Footer #1, the sixth is the Report Footer, and the seventh is the Page Footer. The Details row contains a 'Price' field. The Group Header #1 and Group Footer #1 rows contain '@reset' and '@sum' fields respectively. The Report Footer and Page Footer rows are empty.

Report Header																		
Page Header																		
Group Header #1: Product.Product ID - A																		
Details																		
Group Footer #1: Product.Product ID - A																		
Report Footer																		
Page Footer																		

SQL("select SUM([Price]) from [Products] where Id= " + {Products.Id} + "")

Summary

- › Tip 1 – Use the structure of the report to organize clarity
- › Tip 2 – Think about where you want to get the data and do your logic
- › Tip 3 – Consider using SQL to simplify

Thank you!

Are there any questions?