

Business Analytics - Report Studio - IBM Cognos

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15 novembre 2020

Objetivs

- 1 Examine Report Studio and its interface

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Objectives

- 1 Examine Report Studio and its interface
- 2 Explore different report types
- 3 Create a simple, sorted, and formatted report
- 4 Explore how data items are added queries

What is Report Studio ?

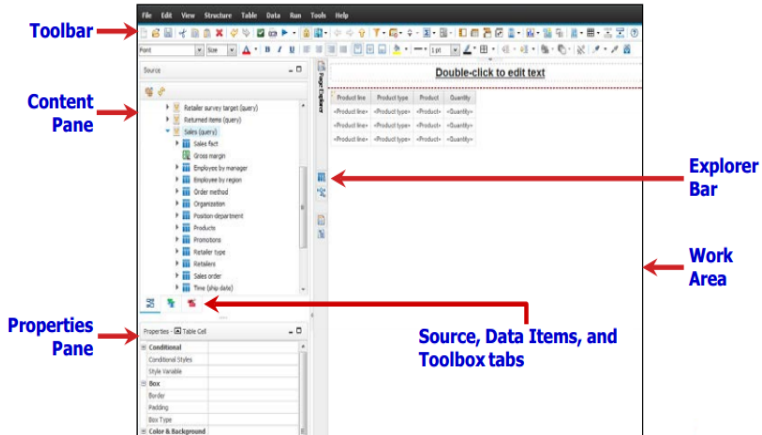
Report Studio :

- Is a web-based report authoring tool
- let you create business intelligence (BI) reports that analyze corporate data according to specific information needs
- lets you format, present, and distribute your corporate data using many different methods

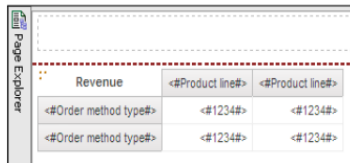
What is Report Studio? (cont'd)



Explore the environment



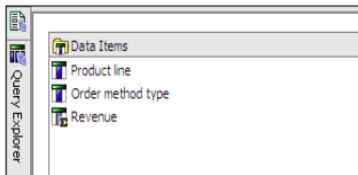
Examine the Explorer Bar



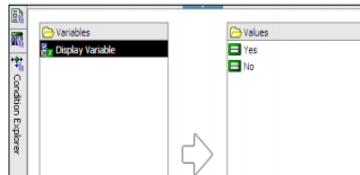
The Page Explorer window displays a report structure. It features a vertical toolbar on the left with icons for Page Explorer, Query Explorer, and Conditional Explorer. The main area shows a table with the following content:

Revenue	<#Product line#>	<#Product line#>
<#Order method type#>	<#1234#>	<#1234#>
<#Order method type#>	<#1234#>	<#1234#>

Page Explorer



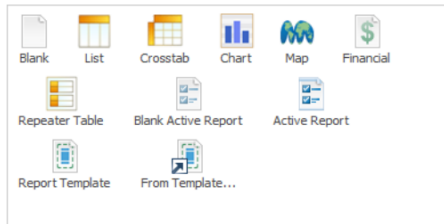
Query Explorer



Conditional Explorer

Explore Report Templates

- Report Studio contains several report templates to structure your reports.
- Different report templates can be combined on the same page.



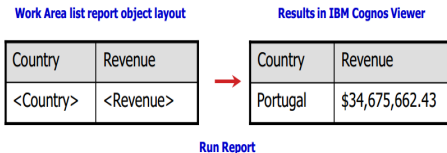
Explore Report Templates (cont'd)

In Report Studio you can create Workspace Advanced and Report Studio templates to provide users with a layout to apply to their existing reports or to create new reports.

- **List** reports are useful for presenting tabular list information.
- **Crosstab** (Tableau Croisé Dynamique) reports are useful for comparative analysis.
- **Chart** reports are useful for graphically showing comparisons, relationships, and trends.
- **Map** reports are useful for presenting data across geographical and other spatial contexts.

Generate the Report

To view the results of the designed report, run the report and view it in IBM Cognos Viewer.



- You can distribute reports by email, through the web, or you can save them on your desktop. You would first render the report in the format that is most suitable for your needs : **HTML, PDF, Excel, Delimited Text (CSV) and XML** formats.

Change the properties of an object

When you click an item or object in the report you can view the properties pane and can change his properties in your work area.

Select Ancestor Button

Object Type Selected

The screenshot shows the 'Properties' pane for a 'List Column Body' object. The pane is divided into sections: Positioning, Data Item, and Miscellaneous. The 'Data Item' section is expanded, showing properties like Type, Name, Label, Expression, Aggregate Function, Rollup Aggregate Function, and Solve Order. The 'Aggregate Function' property is highlighted with a red box and labeled 'Property'. The 'Name' property is highlighted with a red box and labeled 'Item Name'. The 'Total' value in the 'Aggregate Function' row is highlighted with a red box and labeled 'Property Setting'. The 'List Column Body' title at the top of the pane is highlighted with a red box and labeled 'Object Type Selected'. A red arrow points to the 'Select Ancestor Button' icon in the top left corner of the pane.

Properties - List Column Body	
Positioning	
Size & Overflow	
Data Item	
Type	Data Item
Name	Revenue
Label	
Expression	[Sales (query)].[Sales fact].[Revenue]
Aggregate Function	Total
Rollup Aggregate Function	Automatic
Solve Order	
Miscellaneous	
Classes	List column body measure cell

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TP2 : Create a simple Report

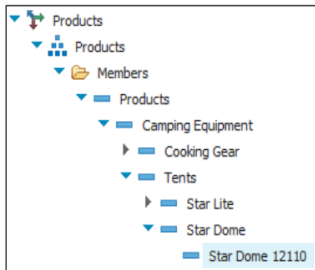
Country	City	Last name	First name	Position name	Revenue
Switzerland	Genève	Bruno	Fausta	Level 3 Sales Representative	\$79,955,838.92
Switzerland	Genève	Giordano	Fiorenza	Level 3 Sales Representative	\$72,784,594.30
Switzerland	Genève	Chambers	Warren	Level 3 Sales Representative	\$62,843,459.76
Finland	Kuopio	Lindholm	Helena	Level 3 Sales Representative	\$59,799,153.93
Korea	Seoul	Kim	Chang-ho	Level 3 Sales Representative	\$59,422,592.32
United States	Los Angeles	Laurel	Charles	Level 3 Sales Representative	\$59,406,874.73
Switzerland	Genève	Bichot	Lotta	Level 3 Sales Representative	\$54,436,904.60
Netherlands	Amsterdam	Jansen-Velasquez	Belinda	Level 3 Sales Representative	\$52,822,234.19

Demo : TP2

Dimensionally-modeled and Dimensional Data sources

In Report Studio, reports using dimensionally-modeled relational data sources and dimensional data sources enable you drill down to a detailed level

Drill down to a specific product



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- With dimensional analysis, your corporate data is organized in the way you think about your business so that you spend more time on value added analysis, rather than on data retrieval.

Create a Report from Dimensional modeled

Create a report from Dimensionally-modeled Relational Data source

2011	Canada	Star Dome	Quantity
<u>Q1 2011</u>	<u>Canada</u>	<u>Star Dome</u>	621
<u>Q2 2011</u>	<u>Canada</u>	<u>Star Dome</u>	531
<u>Q3 2011</u>	<u>Canada</u>	<u>Star Dome</u>	586
<u>Q4 2011</u>	<u>Canada</u>	<u>Star Dome</u>	665

Create a Report from Dimensional modeled

TP 3 : Create a report from Dimensionally-modeled Relational Data source

Create a revenue Report

TP 4 : Create a revenue Report

Product line	Product type	Product	Revenue
Camping Equipment	Tents	Star Lite	168,191,550.48
Personal Accessories	Eyewear	Zone	157,369,344.95
Camping Equipment	Tents	Star Gazer 2	147,783,128.88
Golf Equipment	Woods	Hailstorm Titanium Woods Set	117,598,685.56
Personal Accessories	Watches	TX	112,878,735.7
Personal Accessories	Eyewear	Inferno	104,705,055.75
Camping Equipment	Packs	Canyon Mule Journey Backpack	99,216,132.92