Tip or Technique

Dynamically hide and show rows data and list columns in Active Report

Product(s): IBM Cognos 10.1.1

Area of Interest: Reporting

Business Analytics software

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1 Introduction

1.1 Purpose

This document describes an approach that can be used to dynamically hide and show rows data and list columns in Active Report.

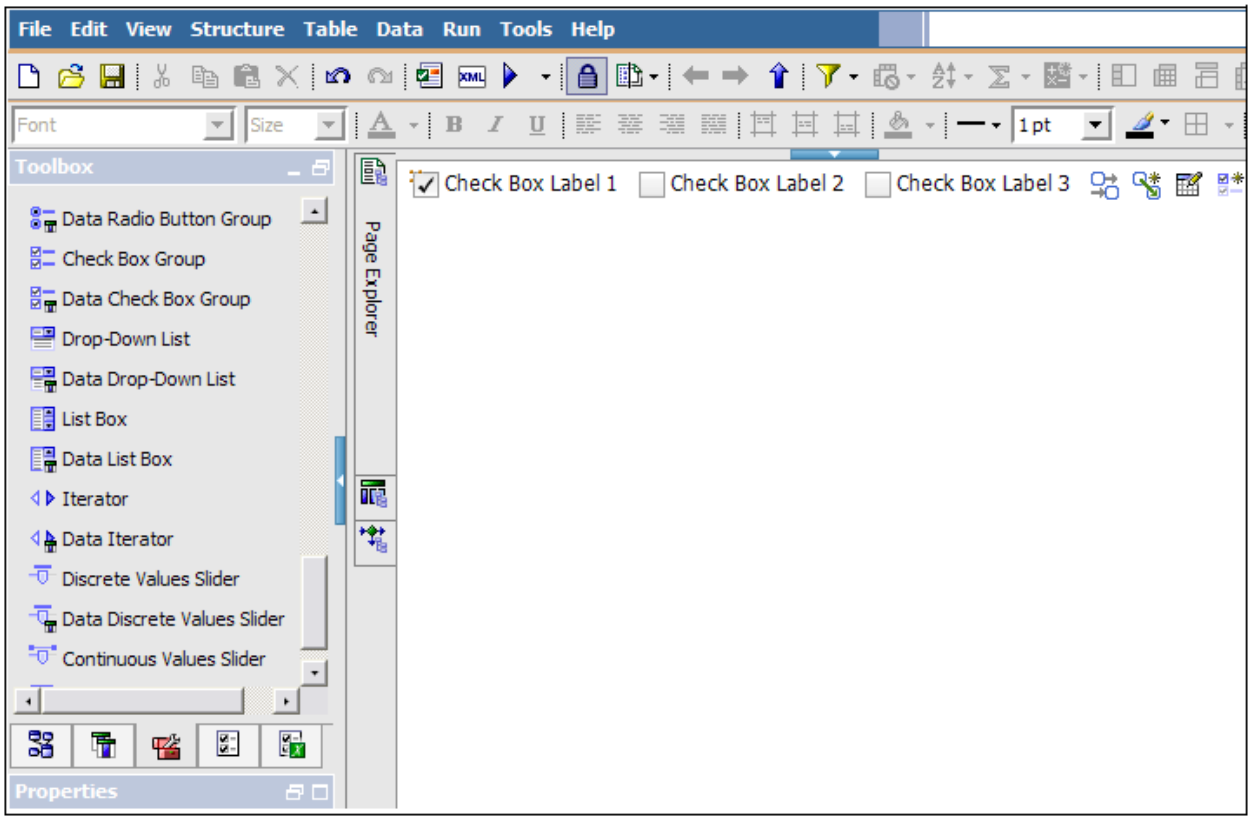
1.2 Applicability

This document applies to IBM Cognos Software Version 10.1.1 on all platforms and may also apply to subsequent releases.

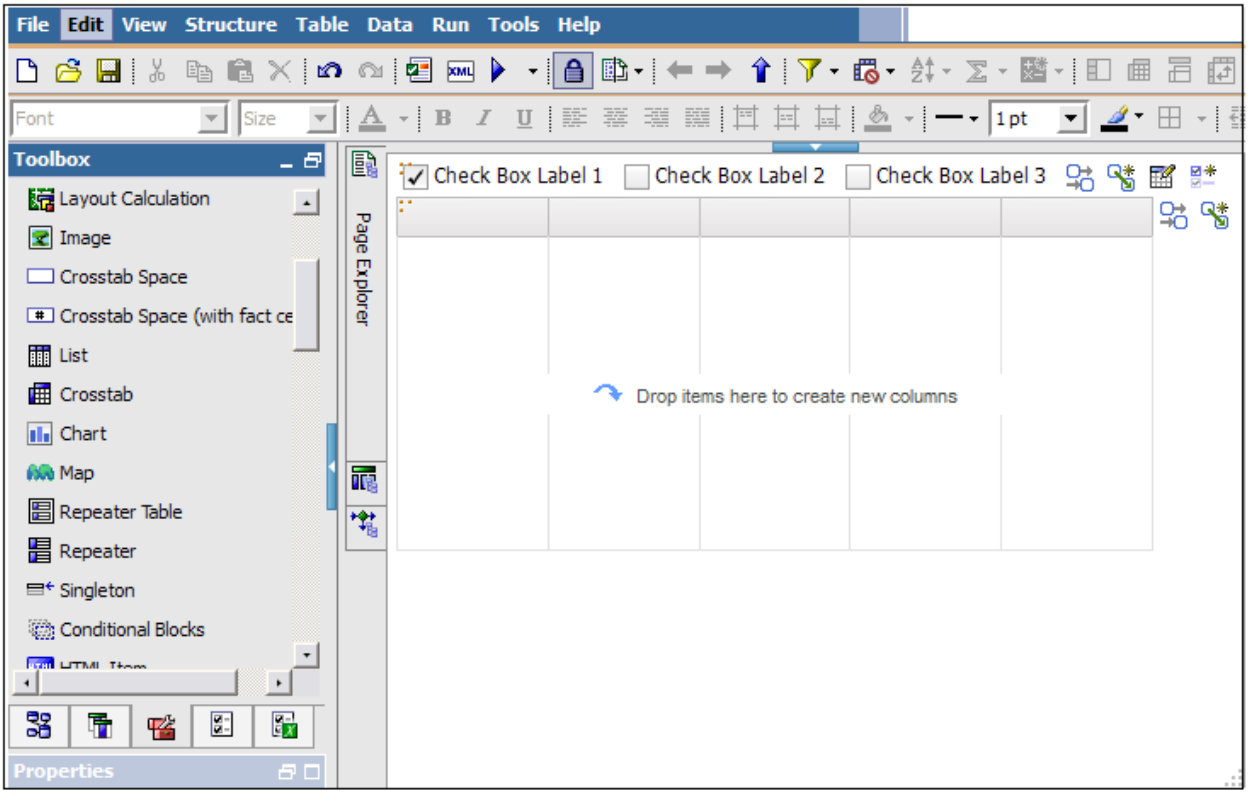
2 Procedure

2.1 Part I – To Hide and Show list columns in Active Report

1. Open Report Studio with the **any** package.
2. In the **Welcome** page, click **Create new**.
3. In the **New** dialog box, click **Active Report**.
4. In the **Insertable Objects** pane, on the **Toolbox** tab, drag a Checkbox Group control object to the canvas.

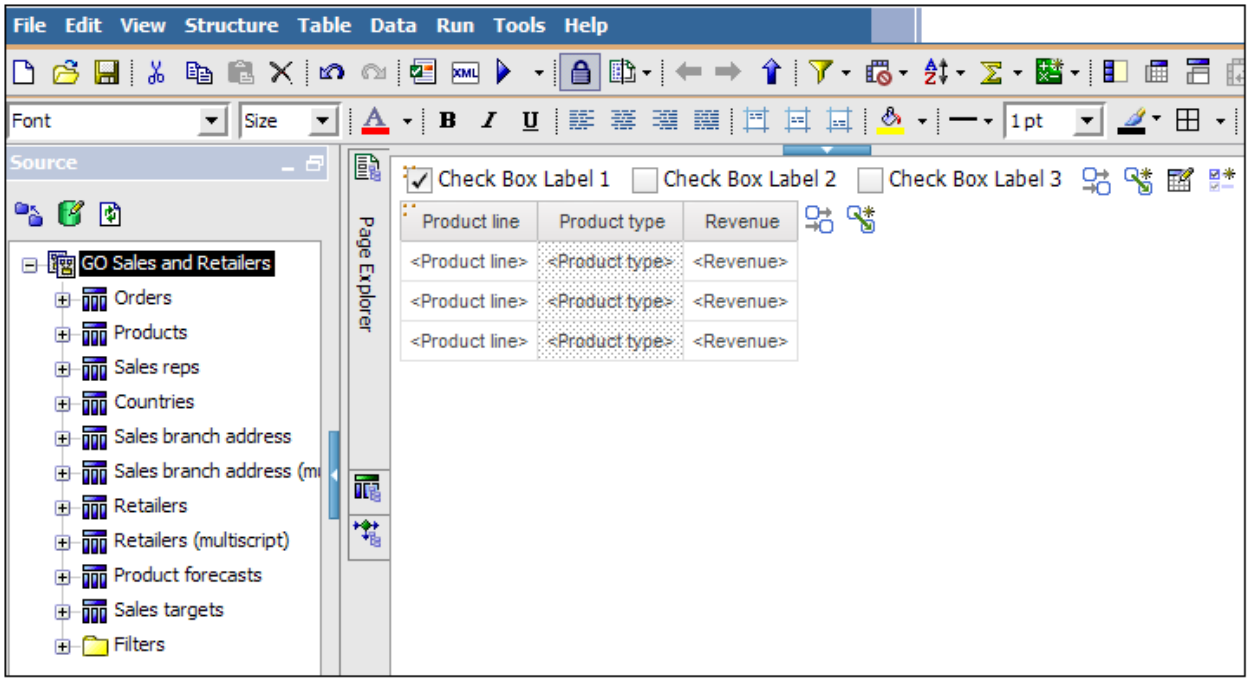


5. Add **List** from toolbox to the report area below check box group control.



Adding data to the list report

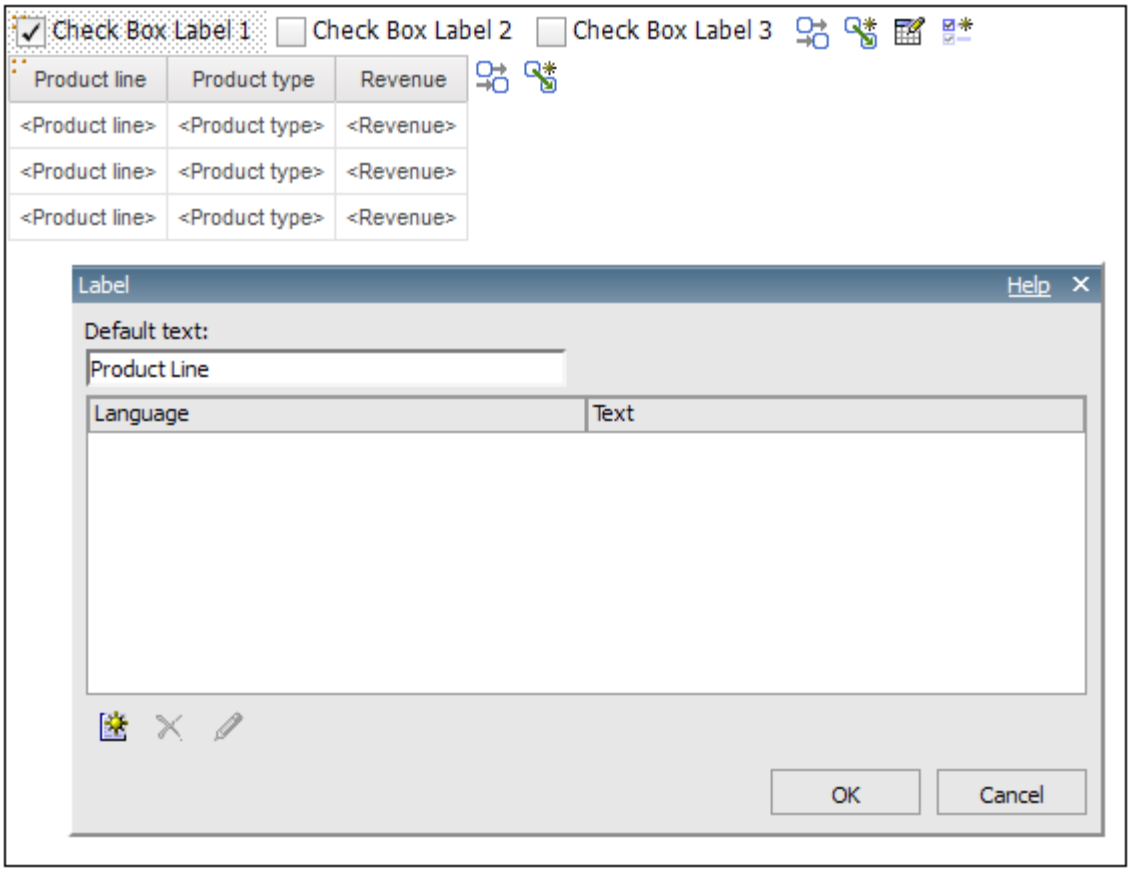
6. Drag and drop **Product line, Product type** and **Revenue** onto the interactive list report.



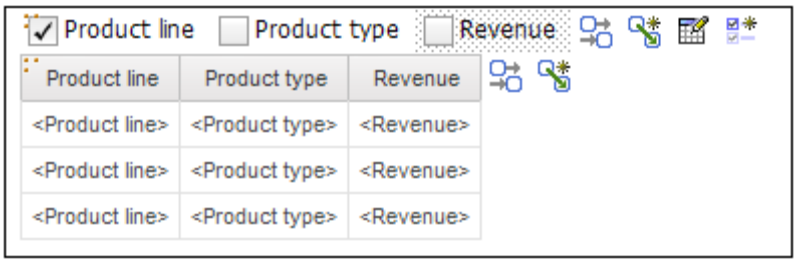
Define checkbox control label

7. Define items label in Checkboxes control as **Product line**, **Product type**, **Revenue**.

   a. Select first checkbox and under properties change the label to **Product Line**.



   b. Repeat same steps for **Product Type** and **Revenue**. It should look as shown below:



Define Active Report Variable

8. Define a variable for the control, e.g. **SelectedItems**, and set its value to Label.

   This can be done in two ways –

   a. Go to **Active Report Variable** tab and click **Create new Variable**

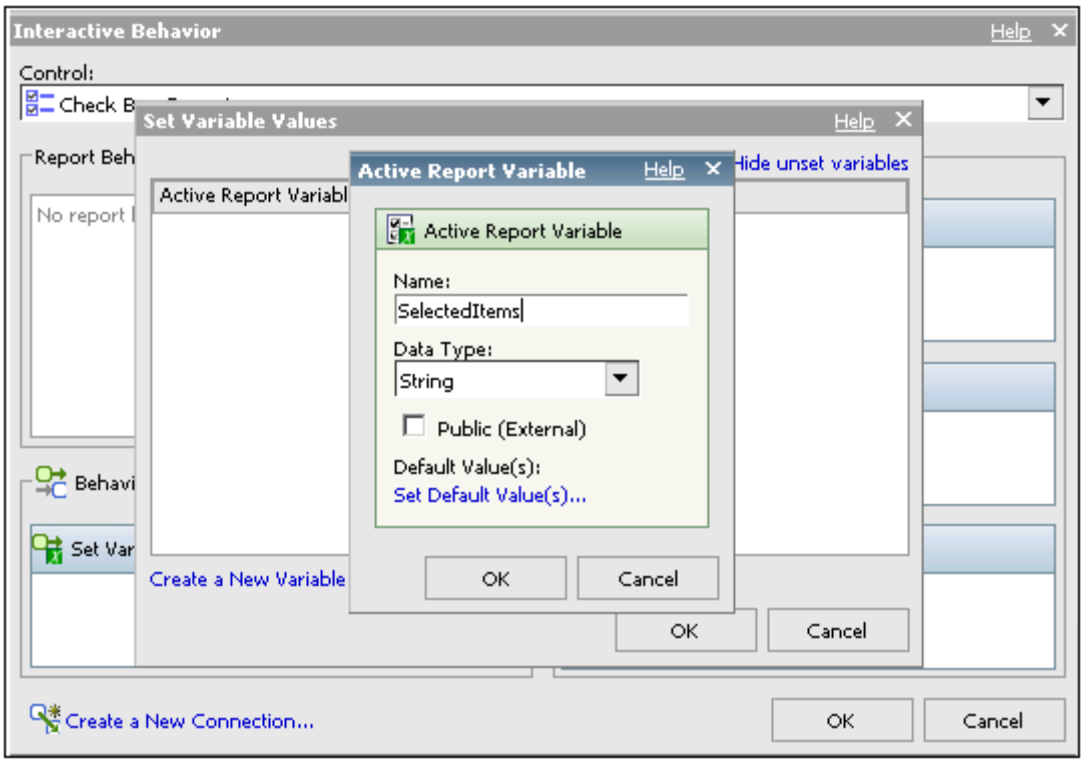
   b. Click on **Interactive Behavior** icon on the canvas next to the control.

Note: The following steps are derived using the second method i.e. **Interactive Behavior**.

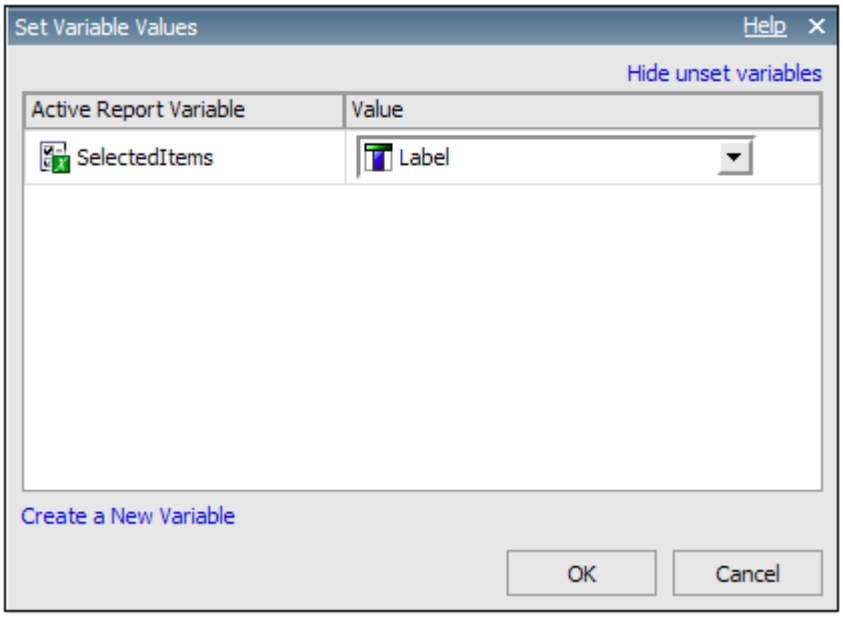
9. In interactive behavior window click the edit button beside the set variable values.

   a. In the **Set Variable Values** window click on **Create a New Variable**.

   b. Name the new variable as **"SelectedItems"** and click OK.



c. Set the value as **Label** and click OK

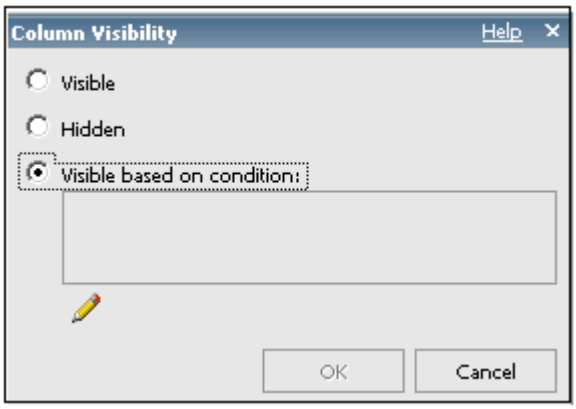


10. Under Active report variable tab it will show the created variables.

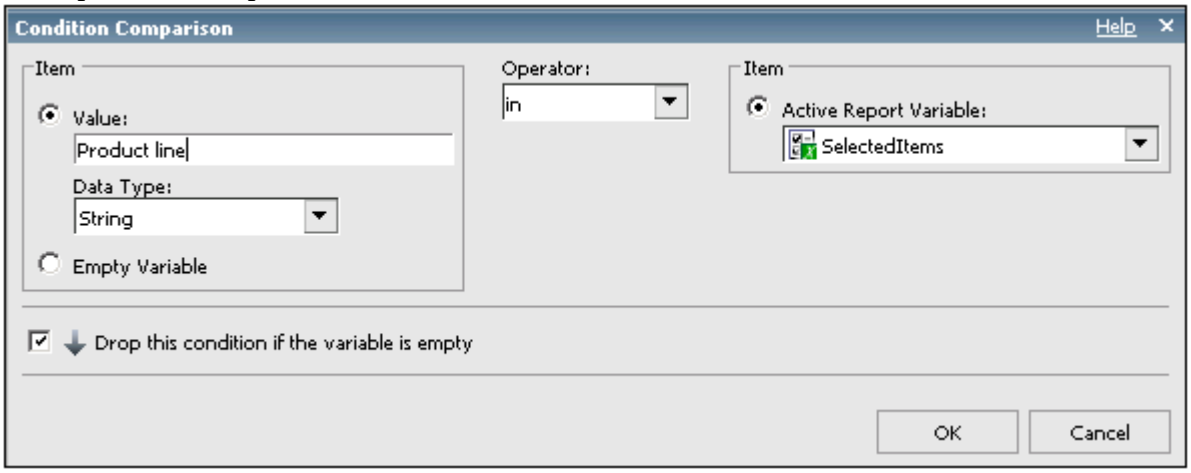
Setting the column visibility

11. Double click **Column Visibility** in the Properties pane of each list column to define its item in **SelectedItems** e.g. “Product line in SelectedItems”. Clear the checkbox of ‘Drop this condition, if the variable is empty’.

12. Click the ellipsis and select the last option as shown below

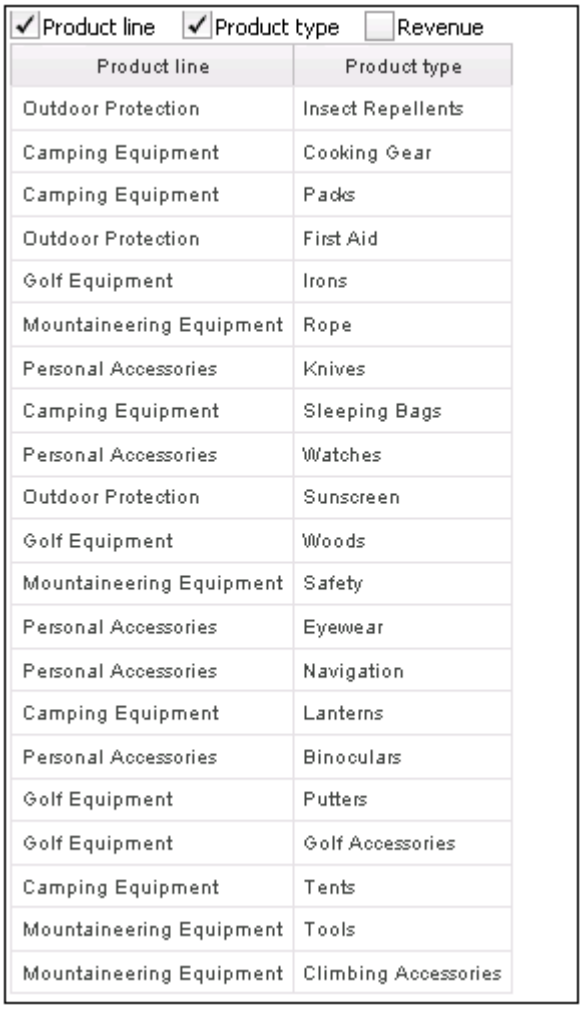


13. Click **Edit**. A new window will open up. Set the condition as shown below and repeat same steps for other two columns as well.



Run the Report

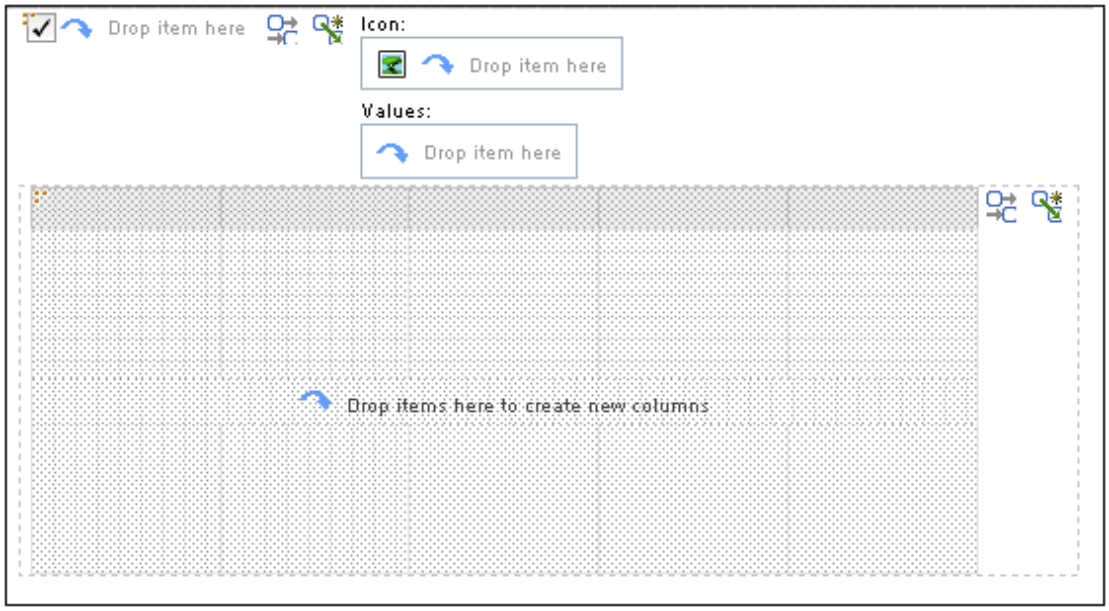
14. Run the report and it will show three checkboxes with defined column names.
15. If you click on **Product Line** it will show only that column. Likewise if you click on other checkboxes it will display respective columns in the list.



Product line	Product type
Outdoor Protection	Insect Repellents
Camping Equipment	Cooking Gear
Camping Equipment	Packs
Outdoor Protection	First Aid
Golf Equipment	Irons
Mountaineering Equipment	Rope
Personal Accessories	Knives
Camping Equipment	Sleeping Bags
Personal Accessories	Watches
Outdoor Protection	Sunscreen
Golf Equipment	Woods
Mountaineering Equipment	Safety
Personal Accessories	Eyewear
Personal Accessories	Navigation
Camping Equipment	Lanterns
Personal Accessories	Binoculars
Golf Equipment	Putters
Golf Equipment	Golf Accessories
Camping Equipment	Tents
Mountaineering Equipment	Tools
Mountaineering Equipment	Climbing Accessories

2.2 Part II – To Hide and Show row data in Active Report

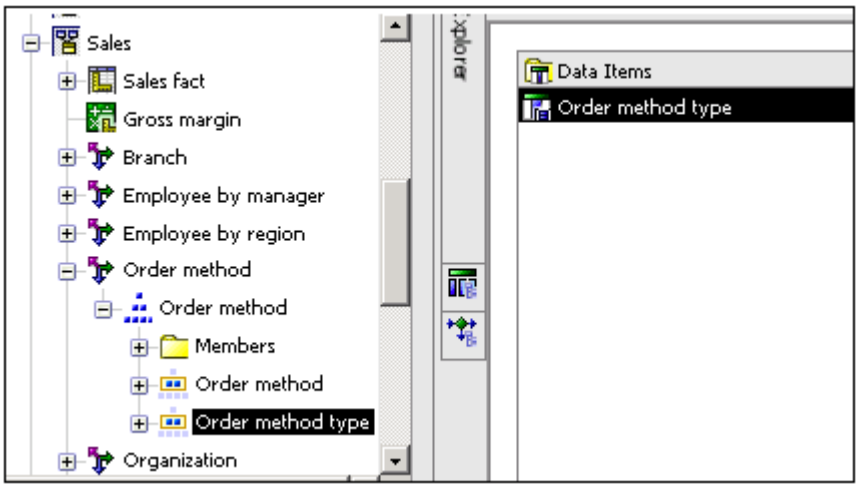
1. Open **Report Studio** with the **GO Data Warehouse (analysis)** package.
2. In the **Welcome** page, click **Create new**.
3. In the **New** dialog box, click **Active Report**.
4. In the **Insertable Object** pane, on the **Toolbox** tab, drag the **Data Check Box Group** object to the report.
5. Drag the block object under the data check box group control.
6. Drag the list object to the report so that it appears under the block.



To add data in the Data Check Box Group Control

1. Right-click the data check box group control and click **Go to Query**.
2. Query1 opens in the Query Explorer.
3. In the **Insertable Objects** pane, on the **Source** tab go to **Sales** namespace in the **Sales and Marketing (analysis)** folder.

4. Expand the **Order method hierarchy** under **Order method** dimension in it and insert Order method type to the **Data Items** area.

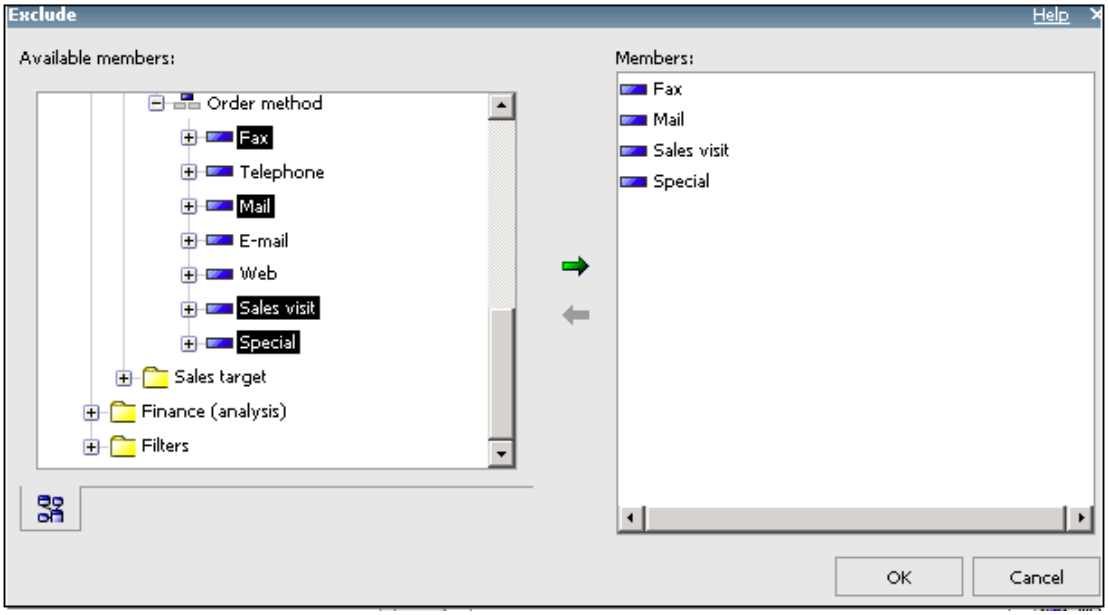


5. Click **Order method type** and in the **Properties** pane and double-click the **Set Definition** property.

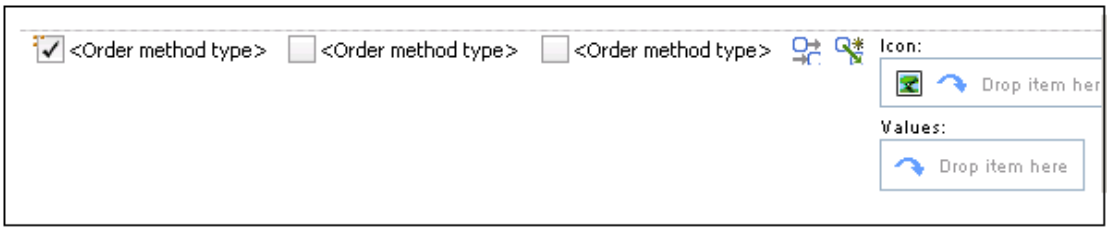
6. Click the new button and then click **Exclude**. In the **Available members** box, expand **Sales and Marketing (analysis), Sales,** and **Order method**.

7. Drag the **Fax**, **Mail**, **Sales visit,** and **Special** members to the **Members** box.

8. The remaining order method type now contains only **Telephone, E-mail,** and **Web**. Click **OK** twice.

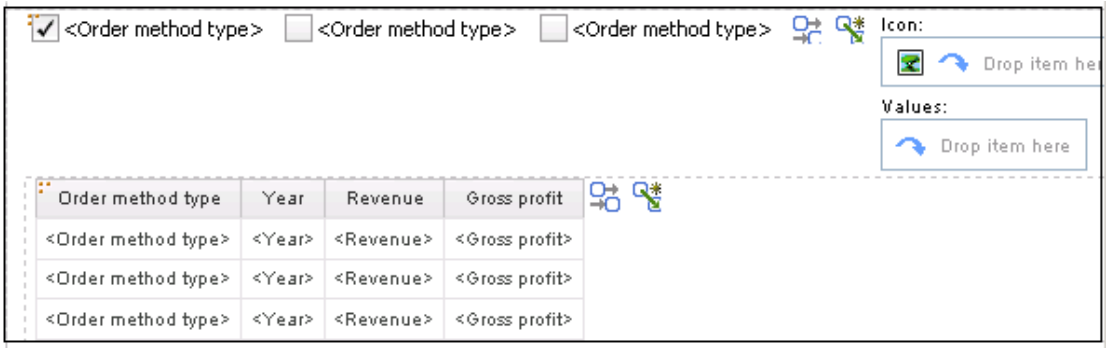


9. Go to page explorer button and click **Page1**.
10. In the **Insertable Objects** pane, on the **Data Items** tab, drag **order method type** from **Query1** to the data check box group control.



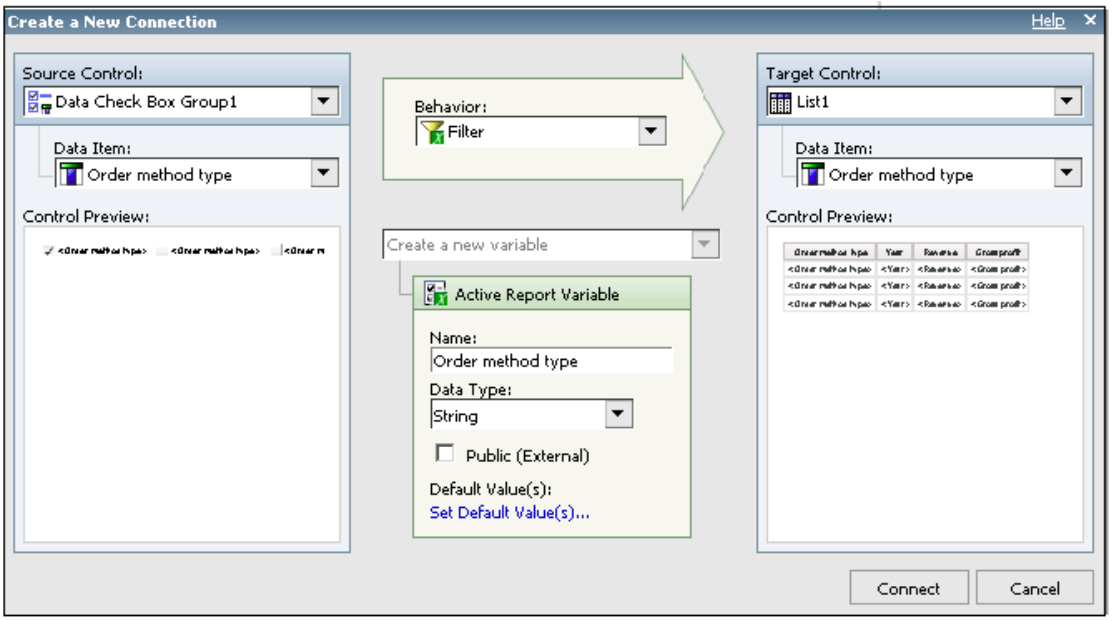
Add Data to the List

1. Go to query explorer and click **Query1**.Copy the **Order method type** data item from Query1 and paste it to the data item area into Query2.
2. Go to page explorer and click **Page1**.
3. In the **Insertable Objects** pane, on the **Data Items** tab, drag **Order method type** from **Query2** to the list.
4. In the **Insertable Objects** pane, on the **Source** tab. Expand the **Time** dimension and then the **Time** hierarchy. Drag **Year** to the list, and drop it to the left of **Order method type**. Expand **Sales fact**. Drag **Revenue** and **Gross profit** to the list, and drop them to the right of **Order method type.**



Add Interactivity to the Report

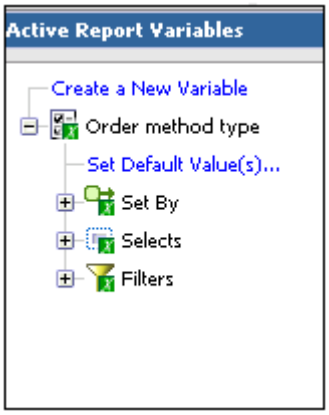
1. Click the interactive behavior icon of the data check box group control.
2. Click **Create a New Connection**.
3. Ensure that the following information appears in the dialog box, click **Connect**, and then click **OK**.
   - In the top right drop-down list, **List1** appears.
   - In the **Connection Method** drop-down list, **Filter** is selected.
   - In the **Data Item** drop-down list for both controls, **order method type** is selected.



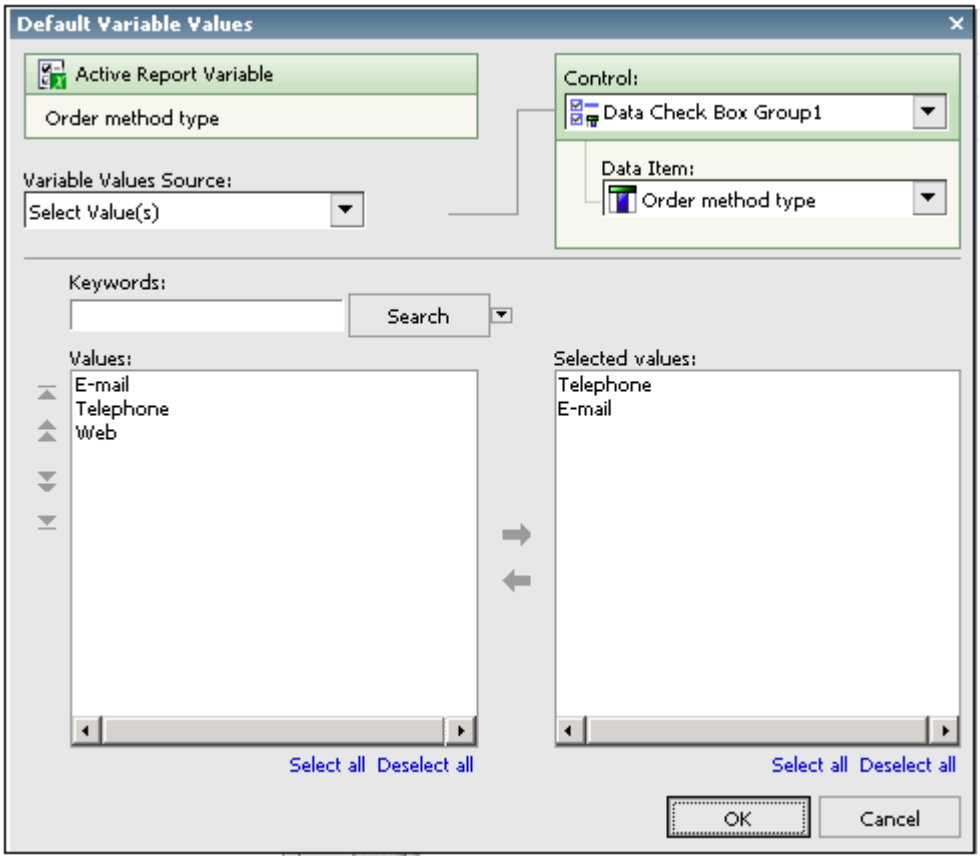
5. Click the **Year** column title and in the **Properties** pane, for the **Allow Sorting** property, click **Yes**.
6. Repeat step 4 for the **Order method type** column.

Specify Default Values for the Data Check Box Group Control

1. Go to **Active Report Variables** tab, click on **Set Default Value(s)** under Order method type.



2. Move Telephone and E-mail to the selected values and click OK.



3. Run the report**.** Selected **Telephone** and **E-mail** in the data check box group control displays data for these two order methods. Users can select or clear one or more check boxes to display the data as required.

   Also, they can click the **Year** or **Order method** type column title to sort the data in the list.

☑ Telephone ☑ E-mail ☐ Web

Order method type	Year	Revenue	Gross profit
E-mail	2004	95,402,796.21	38,887,670.43
E-mail	2005	44,318,886.43	18,031,154.03
E-mail	2006	23,701,042.57	9,866,210.86
E-mail	2007	16,420,318.95	6,972,081.22
Telephone	2004	178,793,580.36	71,905,476.24
Telephone	2005	107,160,284.09	43,798,280.55
Telephone	2006	37,199,842.8	15,002,414.53
Telephone	2007	17,832,073.81	6,947,275.55

☑ Telephone ☐ E-mail ☐ Web

Order method type	Year	Revenue	Gross profit
Telephone	2004	178,793,580.36	71,905,476.24
Telephone	2005	107,160,284.09	43,798,280.55
Telephone	2006	37,199,842.8	15,002,414.53
Telephone	2007	17,832,073.81	6,947,275.55

☑ Telephone ☑ E-mail ☑ Web

Order method type	Year	Revenue	Gross profit
E-mail	2004	95,402,796.21	38,887,670.43
E-mail	2005	44,318,886.43	18,031,154.03
E-mail	2006	23,701,042.57	9,866,210.86
E-mail	2007	16,420,318.95	6,972,081.22
Telephone	2004	178,793,580.36	71,905,476.24
Telephone	2005	107,160,284.09	43,798,280.55
Telephone	2006	37,199,842.8	15,002,414.53
Telephone	2007	17,832,073.81	6,947,275.55
Web	2004	473,771,464.65	191,348,409.85
Web	2005	881,315,747.68	356,691,352.76
Web	2006	1,339,714,172.77	559,019,570.53
Web	2007	1,017,434,523.3	424,559,653.53