



Genero®
report writer

MISCELLANY

**Multiple Lists | Backside Printing
Distributed Mode | Debugging | Deployment**

Using Genero Report Writer
GRS 3.00

After this instruction, you will be able to:

- Create a report with multiple lists
- Display Terms & Conditions on the backside of each report page
- Run JRE and GRE on different servers (Distributed Mode)
- Debug report design and execution
- Identify the files needed to deploy your GRW applications and reports with relevant environment variables



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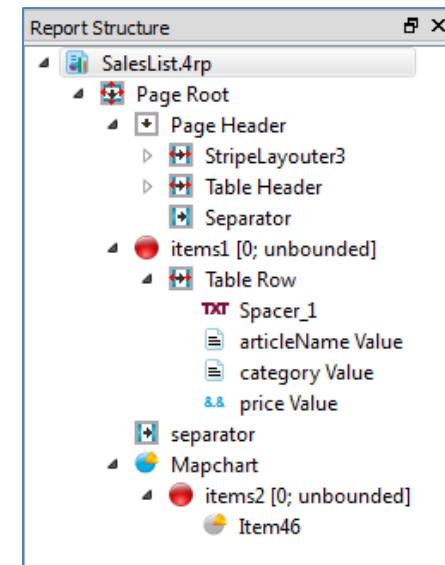
Distributed Mode | Debugging | Deployment

Using Genero Report Writer

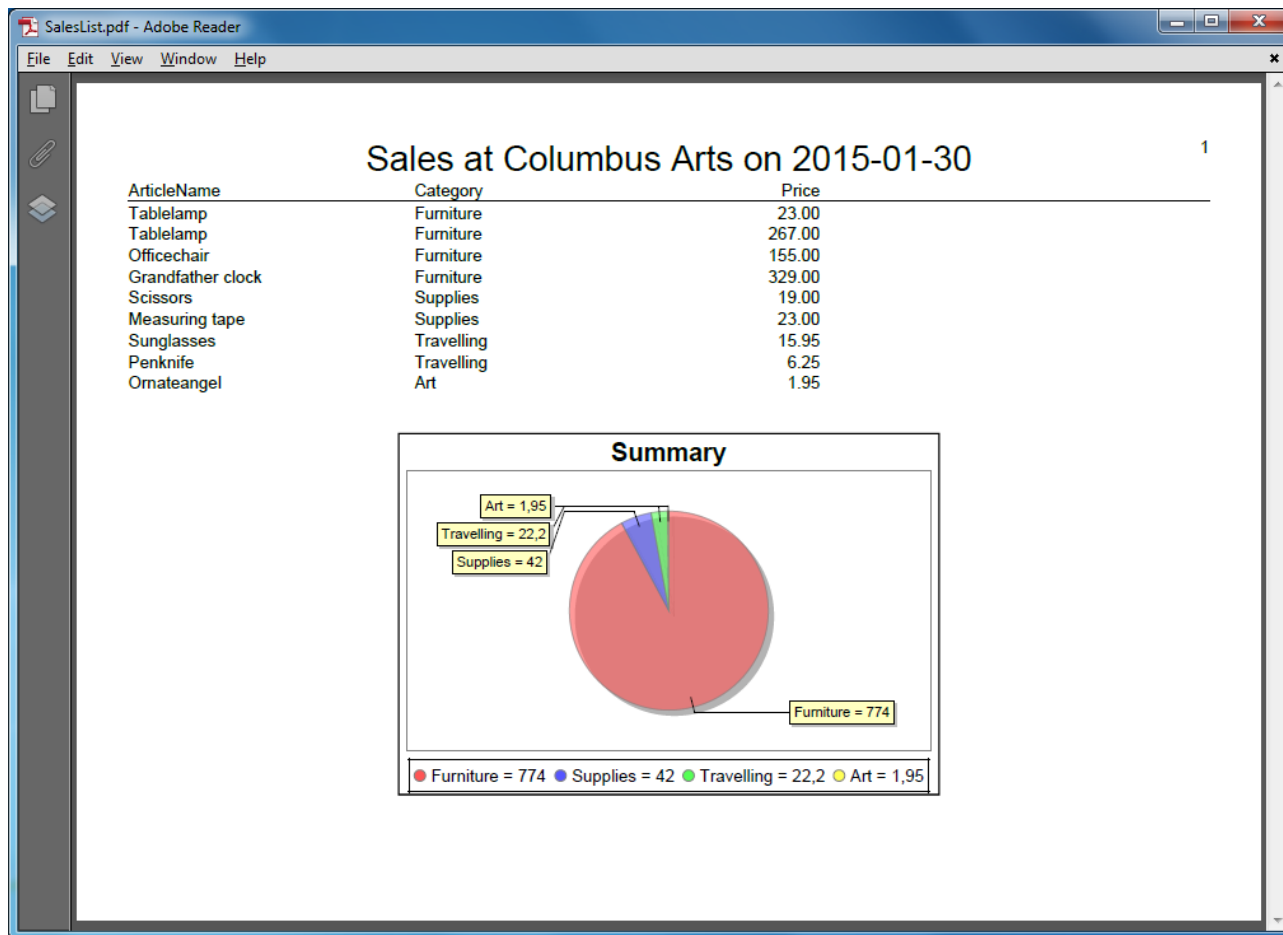
GRS 3.00

- Send separate lists of data in the Java source code
 - List of A's followed by list of B's
- In this example: sending twice the same list to create a report with a list followed by a summary chart

```
43 //Defining twice the same list
44 public Vector<SalesItem> items1=new Vector<SalesItem>();
45 public Vector<SalesItem> items2=new Vector<SalesItem>();
46
47 public Sales(String shopName, int zipCode, Date day)
48 {
49     this.shopName=shopName;
50     this.zipCode=zipCode;
51     this.day=day;
52     items1.add(new SalesItem("Tablelamp",SalesItem.Category.Furniture,23.00,null));
53     items1.add(new SalesItem("Tablelamp",SalesItem.Category.Furniture,267.00, items1.lastElement());
54     items1.add(new SalesItem("Officechair",SalesItem.Category.Furniture,155.00, items1.lastElement());
55     items1.add(new SalesItem("Grandfather clock",SalesItem.Category.Furniture,329.00, items1.lastElement());
56     items1.add(new SalesItem("Scissors",SalesItem.Category.Supplies,19.00, items1.lastElement());
57     items1.add(new SalesItem("Measuring tape",SalesItem.Category.Supplies,23.00, items1.lastElement());
58     items1.add(new SalesItem("Sunglasses",SalesItem.Category.Travelling,15.95, items1.lastElement());
59     items1.add(new SalesItem("Penknife",SalesItem.Category.Travelling,6.25, items1.lastElement());
60     items1.add(new SalesItem("Ornateangel",SalesItem.Category.Art,1.95, items1.lastElement());
61     //Adding the same items to items2 as in items1
62     items2.addAll(items1);
63 }
64
```



- Result in PDF output format





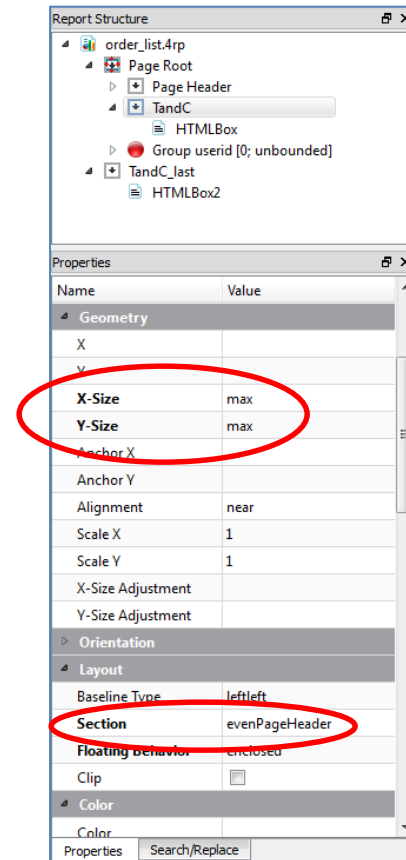
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Multiple Lists | **Backside Printing**
Distributed Mode | **Debugging** | **Deployment**

Using Genero Report Writer
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- Print something on the back side of each report page (i.e. Terms & Conditions)
- Procedure
 - Use even page header
 - Set size to max
 - Add additional backside page at the end of the report





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- GRE started as a daemon on Server
 - GREDIR/bin/**greportwriter -l <port>**
- Java application connects to the daemon
 - Use specific class 'RemoteConnection'
 - Specify the host and the port to connect on
 - `remoteConnection.setHost();`
 - `remoteConnection.setPort();`
- Advantage
 - Faster processing for short documents
 - Improved scalability



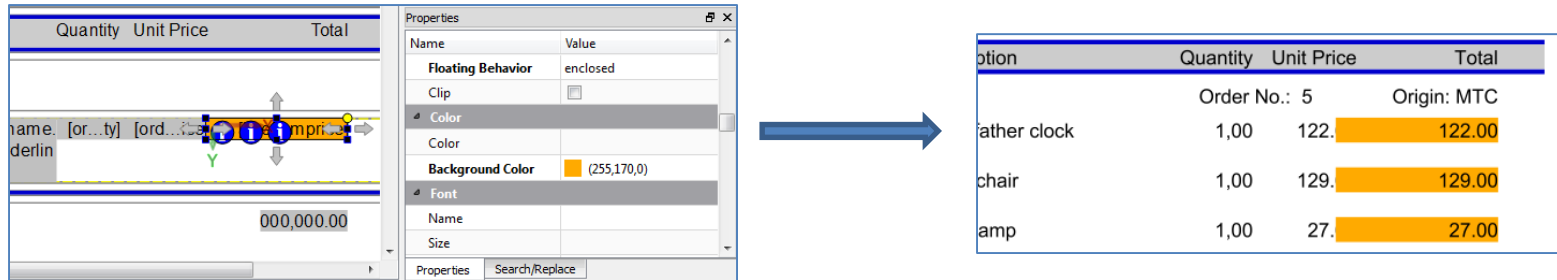
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Multiple Lists | Backside Printing
Distributed Mode | **Debugging** | Deployment

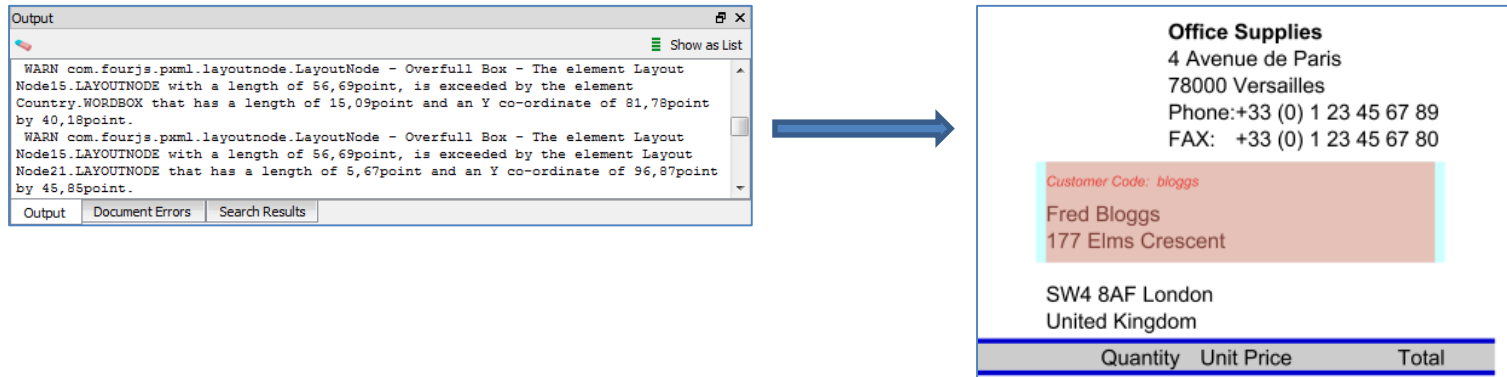
Using Genero Report Writer
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- Put a background color to check overlap



Quantity	Unit Price	Total
Order No.: 5	Origin: MTC	
father clock	1,00 122.	122.00
chair	1,00 129.	129.00
lamp	1,00 27.	27.00

- Set GREDEBUG to check overfull boxes



```

WARN com.fourjs.pxml.layoutnode.LayoutNode - Overfull Box - The element LayoutNode15.LAYOUTNODE with a length of 56,69point, is exceeded by the element Country.WORDBOX that has a length of 15,09point and an Y co-ordinate of 81,78point by 40,18point.
WARN com.fourjs.pxml.layoutnode.LayoutNode - Overfull Box - The element LayoutNode15.LAYOUTNODE with a length of 56,69point, is exceeded by the element LayoutNode21.LAYOUTNODE that has a length of 5,67point and an Y co-ordinate of 96,87point by 45,85point.
  
```

Office Supplies
 4 Avenue de Paris
 78000 Versailles
 Phone:+33 (0) 1 23 45 67 89
 FAX: +33 (0) 1 23 45 67 80

Customer Code: bloggs
 Fred Bloggs
 177 Elms Crescent

SW4 8AF London
 United Kingdom

Quantity	Unit Price	Total
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Multiple Lists | Sub-reports | Backside Printing
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Using Genero Report Writer
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Compilation

- **Java** – Java Source
- **STR** - Genero Localized Strings
- **SCH** - Genero DB Schema
- **4FD/PER** - Genero Form

Report Design

- **XSD** - Genero Report Data Definition
- **4RP** - Genero Report

Production / Deployment

- **class** – Java Executable
- **jar**- Java Archive
- **4RP** - Genero Report
- **42S** - Genero Compiled Localized Strings

- GREDIR
- FGLPROFILE
- PATH
- CLASSPATH
- GRE_DEFAULT_IMAGE_URL



- Exercise 1
 - Open the **'Sales' project**
 - Modify the 'Sales.java' source to send the same data twice
 - Create a report design showing a list in the upper part and a summary Map Chart at the bottom
- Exercise 2
 - Open the **'Sales' project using the modified 'Sales.java' generating more data**
 - Modify your List report to display a “Terms & Conditions” page on the backside of each report page