

Use [JPrintPreview](#) and PrintFactory in JComponentPack

May 13, 2008

PrintFactory usage.

```
createPrintable(Component comp, Map map)
```

```
createPrintable(Image image, Map map)
```

It need two parameters, the first is a instance of Image or a instance of Component, the second parameter is a instance of Map, the key of map could be all the properties of class PrintFactory.

For example:

Key: PrintFactory.MARGIN, describe the margin of page. Its value type must be java.awt.Insets, for example: new java.awt.Insets(5,5,5,5);

Key: PrintFactory.HORIZONTAL_ALIGNMENT, describe the alignment of horizontal its value will be SwingConstants.LEFT or SwingConstants.RIGHT or SwingConstants.CENTER.

Key: PrintFactory.FOOTER_FONT, describe the font of footer, its value type need be java.awt.Font.

Key: PrintFactory.FOOTER_ICON, describe the icon of footer, its value type need be javax.swing.Icon.

Key: PrintFactory.FOOTER_FORMAT, describe the message format of footer, its value type need be java.text.MessageFormat.

Key: PrintFactory.FOOTER_TEXT_ALIGNMENT, describe the alignment of footer text, its value will be SwingConstants.LEFT or SwingConstants.RIGHT or SwingConstants.CENTER.

Key: PrintFactory.FOOTER_ICON_ALIGNMENT, describe the alignment of footer icon, its value will be SwingConstants.LEFT or SwingConstants.RIGHT or SwingConstants.CENTER.

Key: PrintFactory.SHOW_FOOTER_LINE, indicate whether show footer line. Its value will be true of false.

Key: PrintFactory.TABLE_SHOW_ROW_HEADER, Identifies whether show the row header of table. Its value type is java.lang.Boolean.

Key: PrintFactory.TABLE_SHOW_GRID_LINE, Identifies whether show the grid line of table. Its value type is java.lang.Boolean.

Key: PrintFactory.TABLE_PRINT_AREA, describe the area of table will be print , its value type is com.zfjava.swing.cell.Cell.

Key: PrintFactory.FIT_WIDTH, Identifies whether auto fit page width, its value type is java.lang.Boolean.

Key: PrintFactory.KEEP_ASPECT_RADIO, Identifies keep the aspect radio for fit width or fit height

How to set footer icon and its alignment, use following statements is ok.,

```
public Image getImage(URL url) {  
    try {  
        return ImageIO.read(url);  
    } catch(Exception e) {  
        e.printStackTrace();  
        return null;  
    }  
}
```

```
    }  
}  
URL url = getClass().getResource("/com/zfjava/client/resources/images/logo.png");  
  
Map.put(PrintFactory.FOOTER_ICON, new ImageIcon(getImage(url)));  
Map.put(PrintFactory.FOOTER_ICON_ALIGNMENT, SwingConstants.LEFT);
```

JPrintPreview usage.

Example code:

```
JPrintPreview printPreview = new JPrintPreview();  
PageFormat pageFormat = new PageFormat();  
pageFormat.setOrientation(PageFormat.LANDSCAPE);  
printPreview.setPageFormat(pageFormat);  
printPreview.setPrintData(PrintFactory.createPrintable(image,map));  
//how to use PrintFactory, please see above.  
printPreview.showFrame();
```

JPrintPreview could set page format, see the example code. For more information, please see [java.awt.print.PageFormat](#).

JPrintPreview have 7 methods to show:

The following three methods show the preview in the current window of parameter.

showInternalFrame([JInternalFrame](#) internal Frame)

showFrame([JFrame](#) frame)

showApplet([Applet](#) applet)

The following four methods show the preview in a new window.

showFrame()

showFrame([String](#) title)

showDialog([Component](#) parent, [String](#) title)

showDialog([Component](#) parent)