

# WOBarcode

## WOBarcode Framework

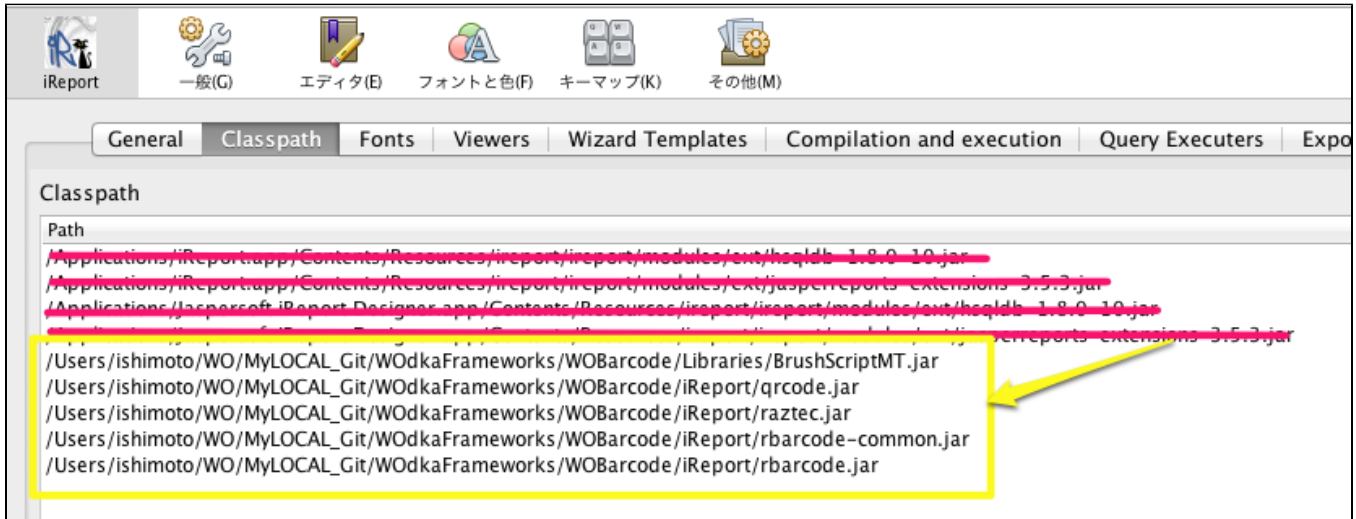
This Library uses a Commercial Product, that's why it is not in the Wonder Project itself.

You can buy this Package from <http://www.java4less.com/barcodes/barcodes.php>

- Java J4L Barcode Suite, single company USD 210.-
- Java J4L Barcode Suite, redistribution license USD 420.-

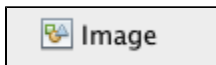
### Setup iReport

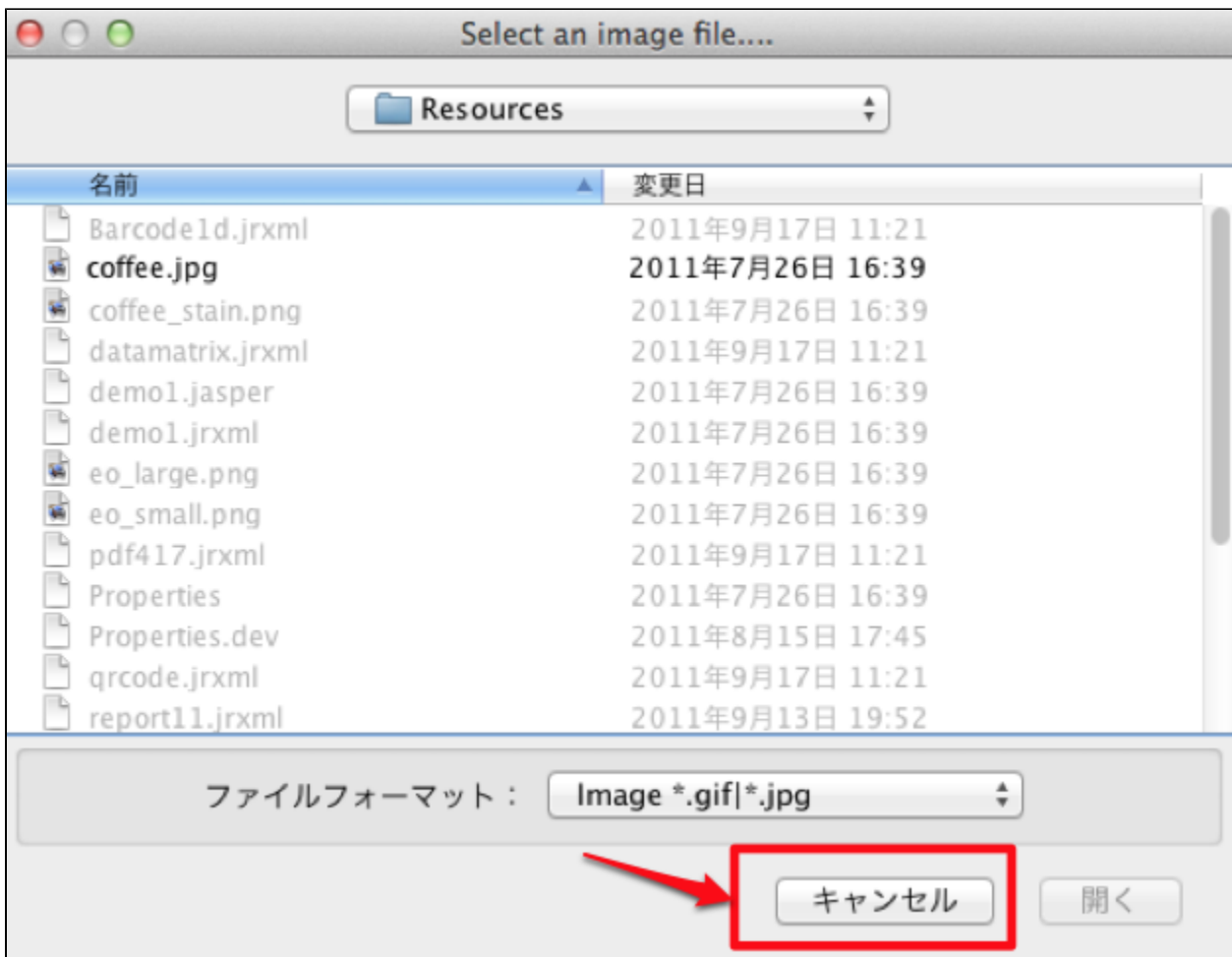
Add Classpath to iReport :



### Use Barcode in iReport

Drag and Drop a Image to the Jasperform.





Set the Size.'Width' and 'Height'

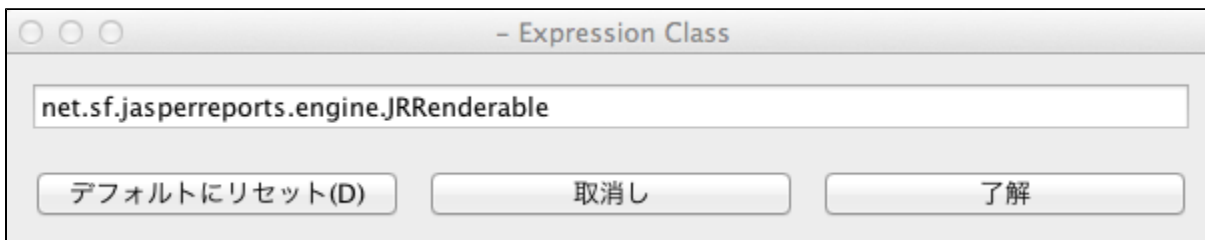
Width	100
Height	100

Set the 'Expression Class' to

Expression Class net.sf.jasperreports.engine.JRRenderable

Image Expression

Set the 'Image Expression' like Sample below.



## Expression Sample

use code in Image Expression

PDF417

```
new com.java4less.rbarcode.jr.J4LBarcodeRenderer((new com.java4less.rbarcode.BarCode2DFacade()).
createBarcodeImage(
    "This is a PDF417",null,0,0,3,1,"TEXT",1,4,20,null))
```



#### Datamatrix

```
new com.java4less.rbarcode.jr.J4LBarcodeRenderer((new com.java4less.rdatamatrix.RDataMatrixFacade()).
createBarcodeImage(
    "This is a Datamatrix",null,false,3,30,"AUTO",null,null))
```



#### QRCode

```
new com.java4less.rbarcode.jr.J4LBarcodeRenderer((new com.java4less.qrcode.QRCodeFacade()).createBarcodeImage(
    "This is a QRCode",null,3,false,20,"H","AUTO",1,null))
```



#### Code39

```
new com.java4less.rbarcode.jr.J4LBarcodeRenderer((new com.java4less.rbarcode.BarCodeFacade()).createBarcodeImage(
(
    "CODE39", "C1005263", "A", "false", "C-1005263", 0, 20, 1, 2, null, null, null, null, 30, 30, null))
```



#### JAN / EAN 13

```
new com.java4less.rbarcode.jr.J4LBarcodeRenderer((new com.java4less.rbarcode.BarCodeFacade()).createBarcodeImage(
    "EAN13", "1234567890982", "A", "false", "1234567890983", 0, 40, 1, 2, null, null, null, null, 30, 30, null))
```



## Parameter

**@param type** - type of barcode to create.

Valid values are:

BAR39, BAR38EXT, CODE128, CODE11, CODABAR, CODE93, CODE93EXT, MSI, IND25, MAT25, INTERLEAVED25, EAN13, EAN8, EAN128, UPCA, UPCE or POSTNET

Sample : "EAN13"

**@param value** - value to be encoded

Sample : "1234567890982"

**@param code128** - 'A', 'B' or 'C' (CODE128 only)

Sample : "A"

**@param processTilde** -

processTilde (PROCESS\_TILDE): if true, the tilde character in the input data will be processed as follows:

~dNNN represents the ascii character encoded by the 3 digits NNN. For example, ~d065 represents the character 'A'.

Sample : "false"

**@param text** - value to be displayed below the barcode

Sample : "1234567890983"

**@param rotate** - rotation of the barcode, currently only value 0 supported

Sample : "0"

**@param barHeight** - height of bars in pixels

Sample : "40"

**@param X** - width of narrow bars in pixels

Sample : "1"

**@param N** - multiplier for wide bars. A value of 2, means that wide bars will be 2 times the width of narrow bars. The default value is 2

Sample : "2"

**@param barColor** - Color of bars

Valid values are RED, BLACK, BLUE, CYAN, DARKGRAY, GRAY, GREEN, LIGHTGRAY, MAGENTA, PINK, WHITE or YELLOW.

You can also use the RGB value.

Sample : "null"

**@param fontColor** - color of the text

Sample : "null"

**@param backColor** - background color

Sample : "null"

**@param font** - font of the text, for example "ARIAL|BOLD|10", the format is <family|style|size>

Sample : "null"

**@param leftMargin** - margin in pixels

Sample : "30"

**@param topMargin** - margin in pixels

Sample : "30"

\*@param properties - currently ignored, use null

Sample : "null"

## Display BarCode as an JPEG to the HTML Site

Sample Action URL

wa/barCode?id="1291898293823"

```
// Display BarCode as Image Object
public WOActionResults barCodeAction() {

    BarCode bc= new BarCode();
    bc.setSize(400 , 200);
    bc.barType = BarCode.EAN128;
    bc.resolution=1;
    bc.leftMarginCM= 50;
    bc.topMarginCM= 50;
    bc.checkCharacter =true;
    bc.code = "1291898293823"; // use the request or what you like here
    bc.barColor = java.awt.Color.black;
    bc.backColor= java.awt.Color.white;
    bc.fontColor = java.awt.Color.blue;
    bc.textFont = new java.awt.Font("Arial",java.awt.Font.BOLD,14);
    bc.X = 1;
    bc.N = 3;

    //create buffered image
    java.awt.image.BufferedImage image = new java.awt.image.BufferedImage( bc.getSize().width,bc.getSize().
height,java.awt.image.BufferedImage.TYPE_BYTE_INDEXED );
    java.awt.Graphics imgGraphics = image.createGraphics();

    bc.paint(imgGraphics );

    ByteArrayOutputStream os=new ByteArrayOutputStream();
    com.sun.image.codec.jpeg.JPEGImageEncoder encoder = com.sun.image.codec.jpeg.JPEGCodec.createJPEGEncoder
(os);

    byte[] imageBytes = null;
    try {
        encoder.encode( (BufferedImage) image);
        imageBytes=os.toByteArray();
    } catch (Exception e) {
        e.printStackTrace();
    }

    WOResponse response = new WOResponse();
    response.setContent(imageBytes);
    response.setHeader("image/jpeg", "content-type");

    response.setHeader("Connection", "keep-alive");
    response.setHeader("no-cache, must-revalidate", "Cache-Control"); // HTTP/1.1
    response.setHeader("Fri, 1 Jan 2010 08:00:00 GMT", "Expires"); // Date in the past

    return response;
}
```