

Embedding a barcode

🌐 Language: [Deutsch](#) · [English](#)

🔧 Embedding a barcode

Barcodes in reports – simply via the palette or flexibly via an image object (EAN13 example).

HOW-TO

APPLICATION DEVELOPER

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APPLIES TO NUCLOS 4.2026.X

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Barcodes in JasperReports

For barcodes the palette offers two libraries under **Barcode**: **barcode4j** and **barbecue**.

Simple embedding

1. Drag the barcode component from the palette onto the canvas.
2. Choose the library and barcode type, confirm with *Finish*.
3. Enter the value/string in the properties (some types accept only a fixed length).


```

/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package org.barcodeSelf;
import java.awt.Font;
import net.sourceforge.barbecue.Barcode;
import net.sourceforge.barbecue.BarcodeException;
import net.sourceforge.barbecue.BarcodeFactory;
import net.sourceforge.barbecue.BarcodeImageHandler;
import net.sourceforge.barbecue.output.OutputException;
/**
 *
 * @author rufus
 */
public class EAN13 {
    public static java.awt.Image createEANdreizehn(String c) throws OutputException, BarcodeException{
        if(c.isEmpty() || c.equals("") || c.length() != 13){
            c = "0000000000000";
        }
        else{
            c = c.substring(0, 12);
        }
        Barcode b = BarcodeFactory.createEAN13(c);
        Font f = new Font("SanSerif", Font.BOLD, 12);
        b.setFont(f);
        return BarcodeImageHandler.getImage(b);
    }
}

```

In the designer place an **image** element and set:

```

Image Expression = org.barcodeSelf.EAN13.createEANdreizehn("12-digit")
Expression Class = java.awt.Image

```

EAN13 note

The EAN13 has 13 digits, the **last being a check digit** appended during generation – so only **12 digits** may be passed to the generator. An externally generated EAN13 may need to be shortened in the data source (Postgres: substring(ap."stream" from 1 for 12)).

Barcode (component, Barbecue) - Code Expression

\$F{stream} != null? \$F{stream}:"000000000000" !!12 Stellen !!

Parameters

- startikelnr Field String
- startikelbeschreibung1 Field String
- startikelbeschreibung2 Field String

Fields

Variables

User Defined Expression

Width 129

Height 28

Forecolor [0,0,0]

[255,255,255]

Fix Relative to Top

No stretch

\$F{stream} != null

No properties set

EAN13

\$F{stream} != null...

Now

n

Ln 1, Col 33

Barcode in the report.

Barcodes in Nuclos

To use them in Nuclos, transfer the dependencies as [extensions](#):

Library	Dependencies
Barbecue	barbecue-1.5-beta1, jdom-1.0
Barcode4J	barcode4j-2.1, zxing-core-3.4.0

Related pages



Working with Jasper Studio

Overview.

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QR codes in reporting

QR codes.

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