

QR codes in reporting

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

🔧 QR codes in reporting

QR codes in reports/forms – via ZXing and the image element, e.g. for GiroCode.

HOW-TO

APPLICATION DEVELOPER

UPDATED: JUL 2026

APPLIES TO NUCLOS 4.2026.X

On this page

- [QR codes in reporting](#)
- [Prerequisites](#)
- [Procedure](#)
- [Related pages](#)

QR codes in reporting

QR codes can be used via the **image element** in JasperReports – and thus in Nuclos (e.g. for the GiroCode/EPC QR code).

Prerequisites

- Jaspersoft Studio
- ZXing Core
- ZXing Java SE Extensions

Procedure

Add the ZXing libraries in Jaspersoft Studio as external JARs via the project properties. Then insert an **image** element and set the QR generator in its *image expression* (field from the data source, here `$F{ZEICHENKETTE}`; width/height via `encode( . . . )`):

```
com.google.zxing.client.j2se.MatrixToImageWriter.toBufferedImage(  
    new com.google.zxing.qrcode.QRCodeWriter().encode(  
        $F{ZEICHENKETTE},  
        com.google.zxing.BarcodeFormat.QR_CODE, 300, 300))
```

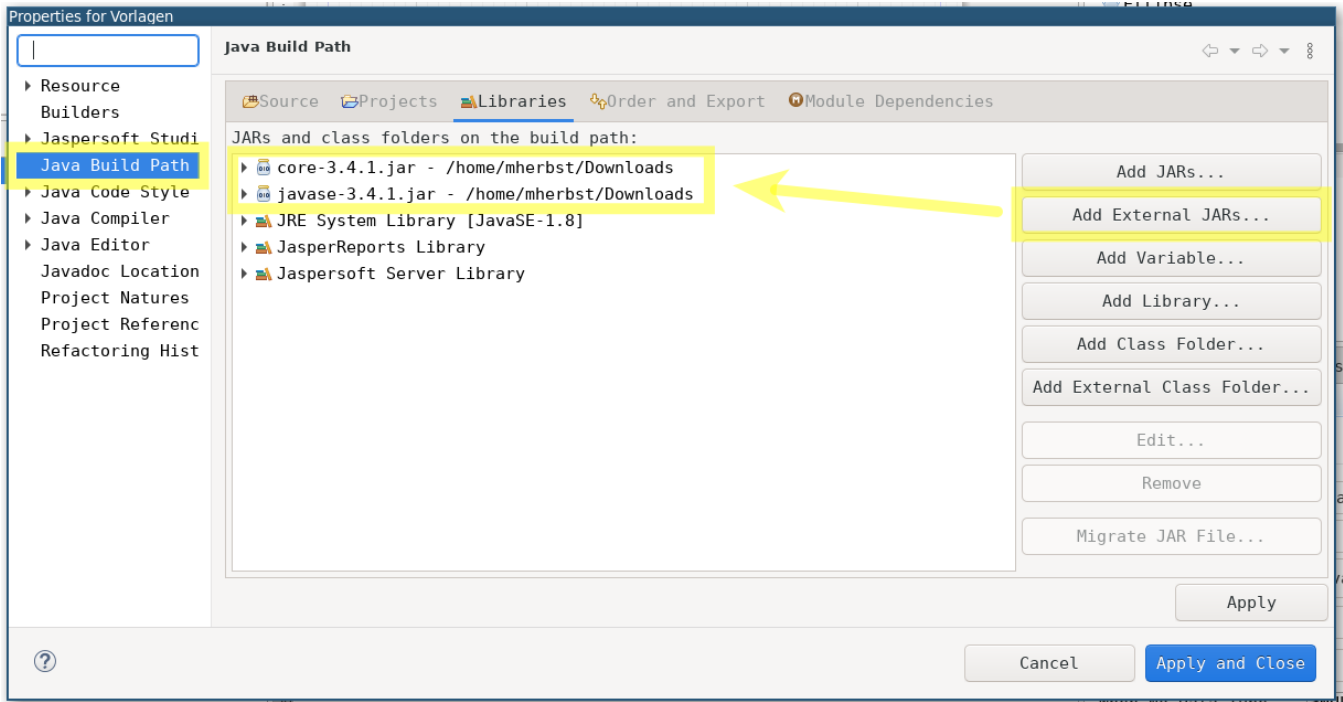
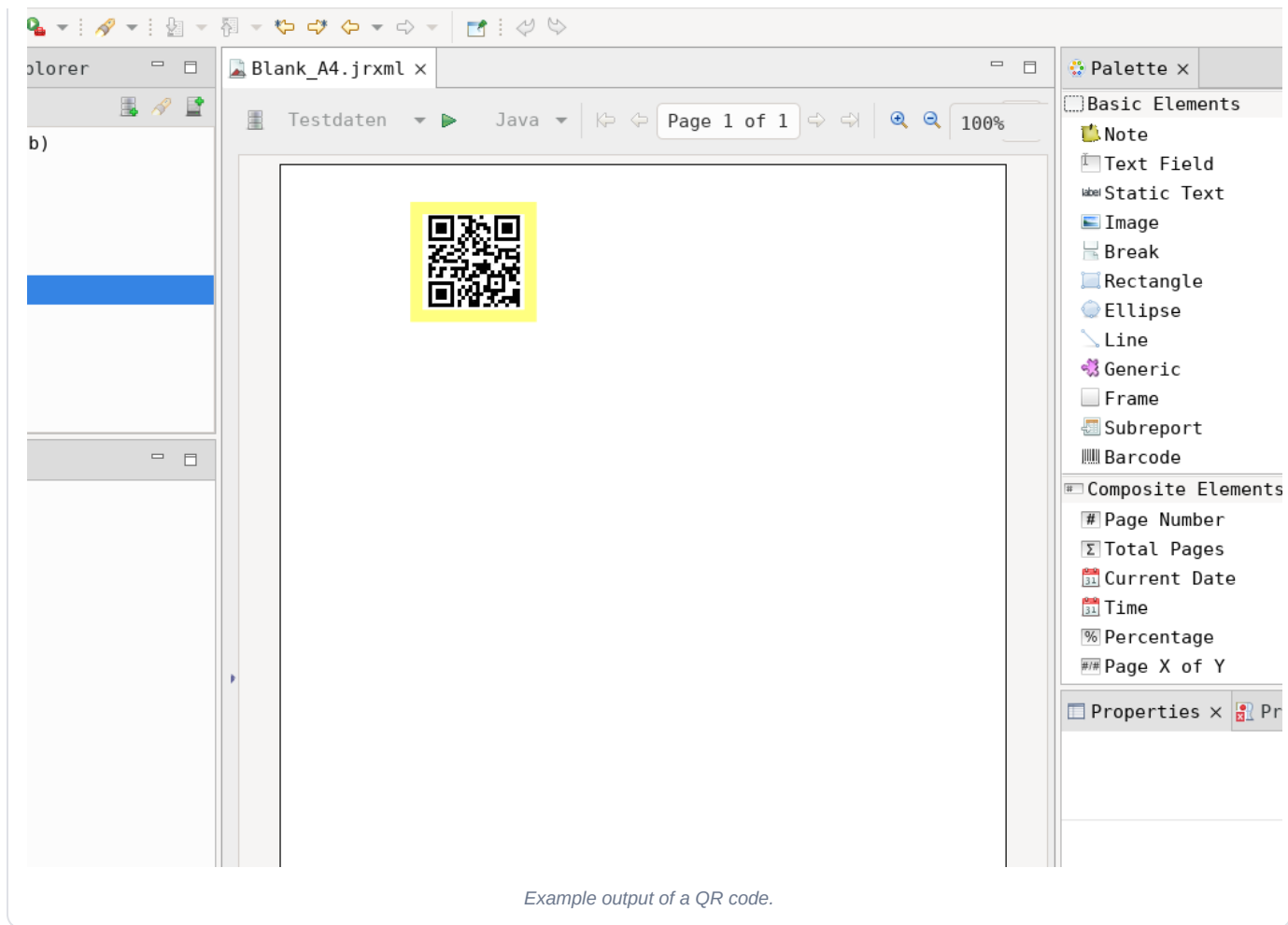


Image expression with the QR generator.



Important

Before uploading, set the **expression class** = `java.awt.Image` – otherwise the server aborts the upload with an error. To use it in Nuclos, transfer the libraries as [extensions](#).



Related pages

Working with Jasper Studio

Overview.

[Open](#)

Embedding a barcode

Barcodes.

[Open](#)