

# Jasper extensions in Nuclos

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## 🔧 Jasper extensions in Nuclos

Register fonts, scriptlets and barcode/QR libraries as server-side extensions in the Jasper classpath.

HOW-TO

APPLICATION DEVELOPER

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APPLIES TO NUCLOS 4.2026.X

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## What are Jasper extensions?

Whenever you add an extension to your Jasper report – e.g. a font package, a [scriptlet library](#), a [barcode generator](#) or ZXing for [QR codes](#) – you must also register this server-side extension in Nuclos so the report can run.

### 1. Install the extension

**Option A – via a nuclet:** Configuration Nuclets, select the nuclet, add the JAR in the *Extensions* tab and tick *Server Extension?*.

**Option B – in the server directory:** create a folder `extensions/server` in the Nuclos instance directory, place the JARs there and **additionally** under `webapp/WEB-INF/lib` in Tomcat.

### 2. Register the extension in the classpath

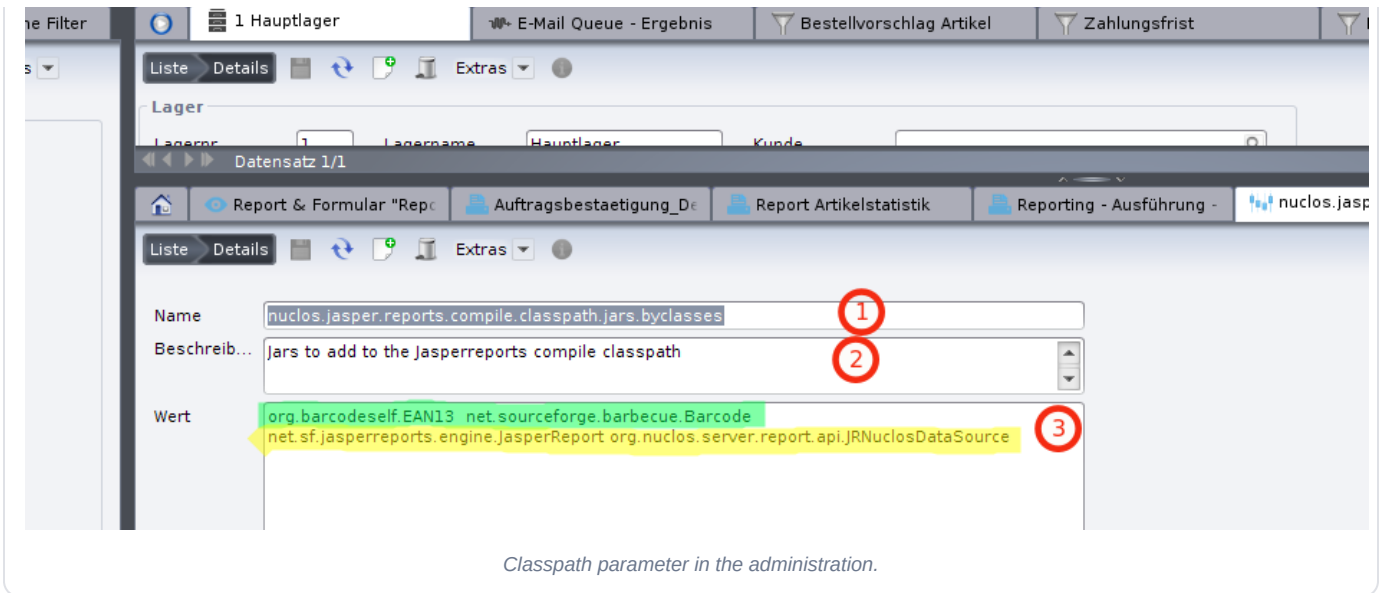
For the JasperReports component to use the extension, register it via the parameter under *Administration Parameters*:

1. Parameter name: `nuclos.jasper.reports.compile.classpath.jars.byclasses`
2. Description: free text.
3. Value: **one class incl. package path** per extension, separated by a space or a new line.



#### Mandatory values

These two **mandatory values** must always be present, otherwise reporting will not work:  
`net.sf.jasperreports.engine.JasperReport` `org.nuclos.server.report.api.JRNuclosDataSource`



Example value including ZXing (QR code):

```
net.sf.jasperreports.engine.JasperReport org.nuclos.server.report.api.JRNuclosDataSource com.google.zxing.
BarcodeFormat com.google.zxing.WriterException com.google.zxing.client.j2se.MatrixToImageWriter com.google.
zxing.common.BitMatrix com.google.zxing.qrcode.QRCodeWriter com.qrccodeself.QRCodeClass
```



#### Restart

After every change to the parameter a **server restart** is required.

## Related pages



### Scriptlets

Scriptlets.

[Open](#)



### Embedding a barcode

Barcodes.

[Open](#)



### QR codes in reporting

QR codes.

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