

Scriptlets

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Scriptlets

Extend report logic with a Java scriptlet – JRDefaultScriptlet, testing in the designer, registration as an extension.

HOW-TO

APPLICATION DEVELOPER

UPDATED: JUL 2026

APPLIES TO NUCLOS 4.2026.X

On this page

- [What are scriptlets?](#)
- [Workflow](#)
- [Create the scriptlet class](#)
- [Test in Jaspersoft Studio](#)
- [Related pages](#)

What are scriptlets?

Scriptlets are custom Java classes that influence the execution of a report/form. For a simple scriptlet, derive from `net.sf.jasperreports.engine.JRDefaultScriptlet` (empty default methods) and override only the methods you need.

Workflow

1. Create the scriptlet class and package it as a JAR.
2. Test the scriptlet in Jaspersoft Studio.
3. Register the scriptlet in Nuclos as an [extension](#).

Create the scriptlet class

- Create a Java library project; keep all your classes in **one package**.
- Use a current JDK.
- Add `jasperreports-6.17.0.jar` and further dependencies.

Test in Jaspersoft Studio

First make the class(es) known to the classpath: *Extras Options Classpath tab*, add the scriptlet JAR (and all dependencies incl. `jasperreports-6.17.0.jar`) via *Add Jar*; tick *reloadable*. For a single scriptlet the full class name in the document property *Scriptlet Class* is enough. It is called via `$P{REPORT_SCRIPTLET}.method()` in the image/text expression.



Known bug

Jaspersoft Studio 6.17.0 has a bug that prevents reports with scriptlets from compiling correctly. Use a different version for testing.



Register in Nuclos

For reports with scriptlets to run in Nuclos, the scriptlets must be registered as server-side [extensions](#).

Related pages



Working with Jasper Studio

Overview.

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Jasper extensions in Nuclos

Register.

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