

Java versions

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Java versions

Which Java version for Nuclos? In short: **Java 11 (LTS)** recommended, **Java 8** minimum, **Java 17** supported.

REFERENZ

BEGINNER

UPDATED: JUL 2026

APPLIES TO NUCLOS 4.2026.X

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Recommendation at a glance

Nuclos	Java	Status
from 4.22	Java 8 (min. 8u144)	Minimum
current	Java 11 (LTS)	Recommended
from 4.2023.31	Java 17 (LTS)	Supported (Rich Client with caveats)



Info

Nuclos is compatible with **OpenJDK** – no Java license costs. Use a 64-bit JDK.



Recommendation

Java 11 is an LTS release and currently the best choice for both server and Rich Client.

Java 17

Java 17 is supported from Nuclos **4.2023.31**. Server and Web Client run fully on Java 17; the Rich Client has two known caveats:

HiDPI (Rich Client on Windows)

With Windows scaling > 100 % the Rich Client UI may look blurry. Fix it via a VM option in the Launcher (*Settings > Java configuration > JAVA_VMARGS*):

```
"-Dsun.java2d.uiScale.enabled=false"
```

For very high-resolution 4K displays, use a fixed scale instead:

```
"-Dsun.java2d.uiScale=2.0"
```

Missing reflection arguments

If an extension/third-party library reports an `InaccessibleObjectException`, add the matching `--add-opens` argument – on the server via the installer (*Additional JVM arguments*), in the Rich Client via the Launcher (*JAVA_VMARGS*), e.g.:

```
--add-opens=java.base/java.net=ALL-UNNAMED
```



Note

Java 8 is still supported as a minimum but outdated. For new installs we recommend Java 11 or 17.

Related pages



System requirements (DE)

All prerequisites at a glance.

[Open](#)



Installation (DE)

Install Nuclos.

[Open](#)