

System requirements

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

System requirements

What your system needs before installing Nuclos – Java, a database and a modern browser.

REFERENZ

BEGINNER

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APPLIES TO NUCLOS 4.2026.X

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Java

Nuclos requires an installed **Java Development Kit (JDK)** matching your operating system architecture (64-bit).

- **Recommended: Java 11 (LTS)** – Oracle Java or OpenJDK.
- **Minimum: Java 8** (required since Nuclos 4.22).
- Java 17 is supported – see [Java versions \(DE\)](#).



Info

Nuclos is compatible with OpenJDK – no Java license costs apply.

Database

Nuclos needs a relational database for persistent storage:

- **PostgreSQL** (recommended) – the installer can set it up for you. See [PostgreSQL \(DE\)](#).
- **Oracle** (version 11+) – JDBC driver separate for licensing reasons. See [Oracle \(DE\)](#).
- Others (MS SQL Server, DB2, Sybase) can be used as an existing database.



For testing only

For a quick trial the embedded **H2 database** is enough – no database server required.

Clients

Nuclos ships with three front-ends – all connect to the same server:

- **Rich Client** (Java desktop app, started via the Launcher).
- **Web Client** – runs in any modern browser, no install.
- **App** – the mobile Nuclos app for iOS and Android; its UI is generated metadata-driven from the Nuclet.

Operating system & permissions

Nuclos runs on Windows, Linux and macOS.



Administrator rights

Setting up a system service or bundling PostgreSQL requires **administrator rights**. Without them you can still install Nuclos – just without service/DB setup.

Next steps

Installation (DE)

Install Nuclos step by step.

[Open](#)

Quick start (DE)

Get going in minutes.

[Open](#)