

Digitize business processes successfully

Accelerate digital transformation with the X4 BPMS low code platform

X4 System Requirements

Digitize business processes successfully

Accelerate digital transformation with the X4 BPMS low code platform

The information in this document is subject to change without notice. SoftProject GmbH assumes no responsibility for any errors that may appear in this document.

This document may not be copied, photocopied, reproduced, translated or converted to any electronic or machine-readable form in whole or in part without prior written approval of SoftProject GmbH.

Mentioned products are trademarks or registered trademarks of their respective owners.

Contact

SoftProject GmbH

Am Erlengraben 3

D-76275 Ettlingen – Germany

Website: www.softproject.de

Sales

Phone: +49 7243 56175-0

vertrieb@softproject.de

SoftProject Support

Phone: +49 7243 56175-333

support@softproject.de

© SoftProject GmbH. All rights reserved.

Table of Contents

1 X4 Server5

2 X4 Web Apps6


3 X4 Designer7

4 Compatibility Matrix - X4 BPMS and Keycloak8


1 X4 Server

Operating system	<ul style="list-style-type: none"> • Microsoft Windows Server 2012, 2012 R2, 2016, 2019, 2022 • SUSE Linux Enterprise Server 15, Red Hat Enterprise Linux 8, Ubuntu Linux 18.04 LTS, Debian GNU/Linux 10.1 <div> <p>i</p> <ul style="list-style-type: none"> • If you want to use the X4 server in another environment, we will be glad to consult you. • Only 64-bit operating systems are supported (x86_64). • For security reasons, a hardened configuration of the X4 Server is required to use the X4 Proxy Server. Do not hesitate to contact us for advice. </div>
Platform	<ul style="list-style-type: none"> • Runtime environment: X4 Server is based on the Java 11 platform. With Version 11 Azul Zulu 11.56.19 (Java 11 (LTS)) is already included as runtime environment. • Application server: The X4 Server uses an integrated WildFly application server in version 26.1.1. • Authentication provider: The X4 server uses the authentication provider Keycloak in version 19.0.1. • System database: X4 Server requires a system database to manage runtime and authentication information. The following databases are supported: <ul style="list-style-type: none"> • Oracle (11g, 12c, 18c, 19c) • Microsoft SQL Server (2012 Service Pack 4, 2014 Service Pack 3, 2016 Service Pack 2, 2017) • PostgreSQL (11.5, 12.0) <div> <p>i</p> <ul style="list-style-type: none"> • If you have special requirements regarding the Java runtime environment or if you want to use an alternative application server for customer-specific adaptations, do not hesitate to contact us for advice. • If you want to use the X4 Server with a different version of the above database management systems, do not hesitate to contact us for advice. </div>
Hardware requirements	<ul style="list-style-type: none"> • At least 2 processor cores • At least 5 GB of free hard disk space • At least 8 GB RAM <div> <p>i</p> <p>Starting with a number of 500 processes to be executed, we recommend a system with at least 8 processor cores and 16 GB main memory, which must be available exclusively for X4 Server.</p> </div>

2 X4 Web Apps

Operating system	X4 Web Apps are cross-platform usable via browser.
Platform	<p>Current browser (also mobile) with enabled JavaScript:</p> <ul style="list-style-type: none">• Google Chrome (latest version)• Mozilla Firefox (latest version and extended support release (ESR))• Microsoft Edge (last 2 major versions)• Apple Safari (last 2 major versions) <div><p> Microsoft Internet Explorer and Microsoft Edge ("Project Spartan") are discontinued by Microsoft. Please switch to Microsoft Edge (Chromium-Based) or any other compatible browser.</p></div>

3 X4 Designer

Operating system	<ul style="list-style-type: none">• Microsoft Windows 8.1, 10 (since version 1803), 11• Microsoft Windows Server 2012, 2012 R2, 2016, 2019, 2022 <div><ul style="list-style-type: none">• Only 64-bit operating systems are supported (x86_64).• Only Windows operating systems allowing the execution of desktop applications are supported. Core versions of Microsoft Windows Server are not supported.• Desktop virtualization solutions (e.g. Citrix XenDesktop or Citrix XenApp) are not officially supported. However, some customers are using X4 Designer in environments like these. Do not hesitate to contact us for advice.</div>
Platform	Runtime environment <p>The X4 Designer is based on the Java 11 platform Azul Zulu 11.56.19 (Java 11 (LTS)) is already integrated as runtime environment.</p>
Hardware requirements	<ul style="list-style-type: none">• At least 2 processor cores• At least 2 GB free hard disk space• At least 8 GB RAM

4 Compatibility Matrix - X4 BPMS and Keycloak

Please refer to the following overview for information on the compatibility of various X4 BPMS and Keycloak versions:

	Keycloak 16.x	Keycloak 17.x	Keycloak 18.x	Keycloak 19.x
X4 BPMS 7.0.x	✓	✓	✓	✓
X4 BPMS 7.1.x	✓	✓	✓	✓
X4 BPMS 7.2.x	✓	✓	✓	✓

For more information on the Keycloak authentication provider, please see the Keycloak chapter in the Administration Guide.