

System Requirements X4 BPMS 7.1

X4 Server

Operating system

- Microsoft Windows Server 2012, 2012 R2, 2016, 2019
- SUSE Linux Enterprise Server 15, Red Hat Enterprise Linux 8, Ubuntu Linux 18.04 LTS, Debian GNU/Linux 10.1



- If you want to use the X4 Server in a different 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.

Platform

- **Runtime environment:** The X4 Server is based on the Java 11 platform. Azul Zulu 11.54.23 (Java 11.0.14) is already included as runtime environment.
- **Application server:** The X4 Server uses an integrated WildFly application server in version 25.0.1.
- **Authentication provider:** The X4 Server uses the authentication provider Keycloak in version 16.1.0.
- **System database:** The X4 Server requires a system database to manage runtime and authentication information. The following databases are supported:
 - 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)



- 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 Servers with a different version of the above database management systems, do not hesitate to contact us for advice.

Hardware requirements

- At least 2 processor cores
- At least 5 GB of free hard disk space
- At least 8 GB RAM



- 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 the X4 Server..

X4 Web Apps

Operating system

X4 Web Apps are cross-platform usable via browser.

Platform

Current browser (also mobile) with enabled JavaScript:

- Google Chrome (latest version)
- Mozilla Firefox (latest version and extended support release (ESR))
- Microsoft Edge (last two major versions)
- Apple Safari (last two major versions)



Microsoft Internet Explorer and Microsoft Edge („Project Spartan“) are discontinued by Microsoft. Please switch to Microsoft Edge (Chromium-based) or another compatible browser.

X4 Designer

Operating system

- Microsoft Windows 8.1, 10 (since version 1803)
- Microsoft Windows Server 2012, 2012 R2, 2016, 2019



- 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 the X4 Designer in environments like these. Do not hesitate to contact us for advice.

Platform – Runtime environment

The X4 Designer is based on the Java 11 platform. Azul Zulu 11.54.23 (Java 11.0.14) is already integrated as runtime environment.

Hardware requirements

- At least 2 processor cores
- At least 2 GB free hard disk space
- At least 8 GB RAM

