System Requirements X4 Suite 6.3.0

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
- The administration interface X4 Control Center can be used cross-platform via browser.

> ℹ
> - If you want to use the X4 Server in a different environment, do not hesitate to contact us for advice.
> - 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:** X4 Server is based on the Java 11 platform. AdoptOpenJDK 11 is already included as runtime environment.
- **Application server:** X4 Server uses an integrated WildFly application server in version 18.0.0.
- **System database:** 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)

> ℹ
> - If you have special requirements regarding the Java runtime environment or if you want to use an alternative application servers 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.

Hardware Requirements

- At least 2 processors
- At least 5 GB free disk space
- At least 8 GB main memory

> ℹ Starting with a number of 500 processes to be executed, we recommend a system with at least 8 processors and 16 GB main memory, which must be available exclusively for X4 Server.

Connectivity and Databases

More than 200 adapters are available to connect X4 Server to your systems.

- **Supported relational database systems:** All JDBC-compatible databases, e.g.:
  - Oracle Database
  - Microsoft SQL Server
  - IBM DB2
  - PostgreSQL
  - MySQL / MariaDB
  - SQLite
- **Supported No-SQL database systems:**
  - Apache Cassandra
  - Elastic Search (version 5)
  - Mongo DB
- **Supported Cloud database systems:**
  - Amazon S3 SimpleDB
  - Amazon S3 DynamoDB
  - Google BigTable
  - Microsoft Azure Table Storage
- Further on request

SoftProject

X4 Activities

Operating System

X4 Activities-based web applications can be used cross-platform via browser.

Platform

X4 Activities Web Apps

Current browser (also mobile) with enabled JavaScript:

- Google Chrome (version 83.0.4103 or later)
- Mozilla Firefox (version 68.9.esr or later)
- Microsoft Edge (Chromium-based / version 83.0.478.45 or later)
- Apple Safari (version 13.1 or later)

> ℹ️ Microsoft Internet Explorer and Microsoft Edge ("Project Spartan") are discontinued by Microsoft. Please switch to Microsoft Edge (Chromium-Based) or any other compatible browser.

X4 Activities Classic

Current desktop browser with enabled JavaScript:

- Google Chrome (version 83.0.4103 or later)
- Mozilla Firefox (version 68.9.esr or later)
- Microsoft Edge (Chromium-based / version 83.0.478.45 or later)

> ℹ️ Microsoft Internet Explorer and Microsoft Edge ("Project Spartan") are discontinued by Microsoft. Please switch to Microsoft Edge (Chromium-Based) or any other compatible browser.

X4 Designer

Operating System

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

> ℹ️
> - 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.

- X4 Web Designer can be used cross-platform via browser.

Platform

Runtime environment

X4 Designer is based on the Java 11 platform. AdoptOpenJDK 11 is already included as runtime environment.

X4 Web Designer

You can access X4 Web Designer via a current browser with enabled JavaScript:

- Google Chrome (version 83.0.4103 or later)
- Mozilla Firefox (version 68.9.esr or later)
- Microsoft Edge (Chromium-based / version 83.0.478.45 or later)

> ℹ️ Microsoft Internet Explorer and Microsoft Edge ("Project Spartan") are discontinued by Microsoft. Please switch to Microsoft Edge (Chromium-Based) or any other compatible browser.

Hardware Requirements

- At least 2 processors
- At least 2 GB free disk space
- At least 8 GB main memory