



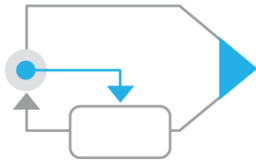
System Requirements

These System Requirements are valid for Orchestra Version 4.9.0.0

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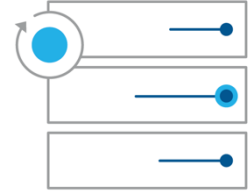
1 Architectural Overview



Designer



Monitor



Runtime

2 Hardware Requirements

The following list shows the minimal requirements for running Orchestra.

2.1 Orchestra Designer

Processor type	Single / Dual-Core x86, AMD or similar
Processor speed	≥ 2 GHz
RAM	≥ 2 GB
Disk space	1 GB

2.2 Orchestra Runtime

Following requirements are valid for a small simple system with low performance and data traffic as usually intended for dedicated test and development systems:

Processor type	Dual-Core x86, AMD or similar
Processor speed	≥ 2 GHz
RAM	≥ 4 GB
Disk space – only Orchestra	1 GB
Disk space – Database	> 10 GB

Following minimal hardware requirements are valid for systems in production use:

Processor type	Quad-Core x86, AMD or similar
Processor speed	≥ 2 GHz
RAM	≥ 6 GB
Disk space – only Orchestra	1 GB
Disk space – Database	> 80 G
Disk space – Archive-/Protocol files	> 50 GB

The best settings of the hardware system depend on the individual context of the concrete application and should be evaluated in conjunction with a system architect or a consultant of soffico.

3 Software Requirements

3.1 Introduction, predecessing Versions

The current Version of Orchestra is provided for and was tested with a system environment based on following environmental software in their listed versions. As to our experience Orchestra should be able to run with predecessing Versions of the listed software to the greatest possible extend. In fact due to the multitude of possible combinations new releases of Orchestra are not tested in any possible combination of Versions of the environment software.

The usage of Orchestra in combination with predecessing Versions up to the listed Versions might be possible without any or with minor constraints. In fact this was not tested and is not a contracted property of Orchestra.

3.2 Supported Java Versions

Orchestra is provided for use in combination with Java 8 with following JVM distributions:

- Oracle Java 1.8.0_221
- Amazon Corretto 8.222.10.1
- Amazon Corretto 8.265.01.1

Please note:

The 32bit Version of Java has to be used on a 32bit Version of the listed operating systems. For the 64bit Version please use the 64bit Version of the operating system.

3.3 Supported Operating Systems

Orchestra is provided for use in combination with following operating systems and Versions:

- Windows 10
- Windows Server 2019
- Ubuntu 18.04.1 LTS
- CentOS Linux release 7.6.1810
- Debian GNU/Linux 9
- Debian GNU/Linux 10

3.4 Supported Databases

Orchestra was tested with the following database Versions:

- MySQL 8.0.17 und 5.7.27
- MariaDB 10.5
- MSSQLServer 14.0.3030.27
- Oracle 18.3.0-ee
- PostgreSQL 12.4

3.5 Supported Servlet Container

Orchestra was tested with the following servlet container Versions:

- Apache Tomcat 8.5.43

Note:

- Orchestra should run alone in the servlet container

3.6 Supported Web Browser

Orchestra was tested with the following web browser Versions:

- Microsoft Internet Explorer Version 8, 9, 10
- Microsoft Internet Explorer Version 11 with constraints (see below)
- Microsoft Edge
- Firefox
- Chrome since version 55 with constraints (see below)

With Internet Explorer Version 11 and Chrome sporadic layout weaknesses can occur. More details can be found in the release notes of Orchestra.

3.7 Virus Scanner

Currently there are no negative experiences on Orchestra systems in combination with a virus scanner. Negative influence on the performance or web access is possible, depending on the settings of the virus scanner. In order to prevent performance degradation, we would suggest excluding standard Orchestra directories from the virus check.

This includes especially the following directories:

- Orchestra log directory
- Tomcat log directory
- Directory of the Orchestra Long time archive
- Archive directories of external archive logger