

System Requirements

In order to guarantee the operation of all functionalities of i-doit, some requirements must be met by the underlying system.

Current version

The requirements shown below apply to the current version of i-doit, in this case **1.12**. These requirements are adjusted for each major release of i-doit. If the requirements of older versions are needed, the change history of this page can be used.

Minimum Requirements

Contents

The following system parameters are the minimum requirements to guarantee i-doit to work with up to around 10,000 objects and up to 10 users working simultaneously.

Virtual Hardware

- 2 vCPUs
- 2 GB RAM
- 10 GB free disc space

We recommend the use of a dedicated virtual machine. The actual demand for hardware is based on the scope of the [IT documentation](#) and the amount of simultaneous users.

Operating System

- [Debian GNU/Linux](#) 8 "jessie", 9 "stretch"
- [Ubuntu](#) 16.04 LTS "xenial", 18.04 LTS "bionic"
- [SUSE Linux Enterprise Server \(SLES\)](#) 12 SP2, SP3
- [Red Hat Enterprise Linux \(RHEL\)](#) 7 (Please observe the KB article with information about outdated packages!)
- [Microsoft Windows Server](#) 2008 R2, 2012 R2, 2016, 2019

We recommend the usage of [Debian GNU/Linux](#) in 64bit architecture (amd64) in version 9 "stretch".

LAMP Stack

- Apache Web server 2.4
- MariaDB 10.0, 10.1 or MySQL 5.6, 5.7
- PHP 5.6 (deprecated), 7.0, 7.1, 7.2
- PHP extensions: bcmath, ctype, curl, fileinfo, gd, imagick, json, ldap, mbstring, memcached, mysqli, mysqlnd, pgsql, session, soap, xml, zip

We recommend the usage of **Apache Webserver 2.4, PHP 7.2 and MariaDB 10.1**.



Reference Configuration

The following system parameters comprise a configuration reference that is tested and recommended by us and guarantees high performance when used with up to 500,000 objects and a high number of simultaneously working users.

Virtual Hardware

- 2 vCPUs
- 8 GB RAM
- 50 GB free disc space

Operating System

[Debian GNU/Linux 9 "Stretch"](#) (64bit)

LAMP Stack

- Apache 2.4.x (default package)
- [MariaDB 10.1.x](#) (default package)
- PHP 7.0.x (default package)



Note

Because i-doit is a database application, it intensively uses the hard drive. Since the I/O throughput strongly determines the performance, a fast hard drive is recommended.

The need for disc space can increase with intense usage of file or image storage in i-doit.

The value of 50 GB is solely geared to the maximal size of the database, which can be achieved by full usage, updates and similar operations.

Client

A Web browser is needed on the client side in order to access the Web GUI of i-doit. For each Web browser the current version as well as the version prior to this are supported:

- Mozilla Firefox (including the last ESR version)
- Google Chrome/Chromium
- Microsoft Internet Explorer/Edge (disabled compatibility mode)
- Apple Safari