



# SYSTEM REQUIREMENTS LOBSTER\_DATA



Lobster

## 1 NOTES

The requirements described herein must be observed to ensure the installation of Lobster\_data is completed successfully in the specified time.

With your Lobster\_data purchase, you receive the licences for two copies:

- Production system
- Test system

The two copies can be installed on different hardware and software platforms. We recommend an identical structure for the systems (operating system, JDK, database, sizing, so that a direct comparison is possible). The test system's allocated resources may be reduced if no load and performance tests are carried out.

**Licencing:**

Every system requires a licence. More information on the available types of licence and their respective requirements can be found in the alternative document '[License check dongle overview](#)'.

## 2 HARDWARE-REQUIREMENTS

### 2.1 Processor

The choice of processor depends on the performance required from the system as a whole.

For large systems, a 64-bit multicore processor with a processor speed of more than 2GHz is recommended.

### 2.2 Memory

At least 8 GB of memory should be available for the entire system. Where higher performance is required, considerably more memory may be necessary. Please refer to the Lobster\_data technical department for more information.

Lobster\_data is a Java application. In a 32-bit system, the Java virtual machine (JVM) can only address approx. 1.5 GB of memory. If more memory is to be allocated for Lobster\_data, a 64-bit system will be necessary.

### 2.3 Hard disk space

A small system will only need 50–100 GB disk space for Lobster\_data and a PostgreSQL or MySQL database on the same system.

The installation of Lobster\_data itself (without a database) requires around 1.5 GB of space on the hard drive. In addition, backups of the incoming data will also be stored on the hard drive during normal operation. The memory required for this will depend on the retention period, number and size of the files to be processed. The standard retention period for backups is 30 days. Another factor to consider are the log files which are created while Lobster\_data is in operation. The size of these files depends on the amount of data to be processed and the level of detail in the log entries. For large production systems, the disk space without database should therefore not be less than 200 GB.

No other application, such as an FTP server, mail server, web server or even an ERP should run on the server.

## 3 OPERATING SYSTEM

The operating system used (MS Windows, Linux, UNIX) should be a server operating system. When selecting the operating system, you should also consider the availability and support of potential additional hardware and software required for communication via OFTP.

If Lobster\_data's HTTP, FTP, or SMTP inbound agents are to be used, then existing HTTP, FTP, or SMTP services on the system may need to be disabled or reconfigured. Alternatively, the corresponding services in Lobster\_data can be configured to use other ports.

## 4 JAVA

Lobster\_data requires a JDK version 1.8.x. We use the following JDK: <https://adoptopenjdk.net/releases.html>. Please use a JDK version 1.8.x for the operating system used.

(Note: The current Java 1.8.x versions already contain strong encryption.)

## 5 DATABASE

### 5.1 Database system

In order to operate correctly, Lobster\_data needs its own catalogue (or schema) in a database system. We recommend that a separate user be created for this catalogue.

Either install a database system specially designed for Lobster\_data or use an existing database system. Using a pre-existing database system generally has the advantage that the backup/recovery mechanisms are already available and can be used. It also eliminates the administrative effort resulting from installing a new database system.

Lobster\_data works with all 'conventional' transactional database systems (PostgreSQL, MySQL, MS SQL, Oracle etc). If there are no preferences regarding the database system to be used, we recommend using MySQL or even PostgreSQL. MySQL 5.7 has also been approved by our development team.

As a schema must be created in the database for Lobster\_data, it is helpful if the relevant command line or GUI tools (e.g. MySQL-client or the MySQL Workbench for MySQL or also the tools) are available on the server for database administration. These tools can be also be used for testing the database connections before installation.

If an MS SQL database is to be used: Please clarify whether it supports real DB users. JDBC only works with real DB users and definitely not with windows authentication!

### 5.2 JDBC drivers

A JDBC driver (Java Data Base Connectivity) is required in order to access the database. This can normally be purchased or downloaded from the producer of the database. It is important that the JDBC driver version is compatible with the database version, otherwise this can cause problems. If additional database systems are to be addressed, each one will require a compatible JDBC driver.

**Note:** When using an AS/400 database system, it should be noted that the standard JDBC driver from IBM does not support writing in packed or zoned database fields. In this case, it may be necessary to purchase a compatible JDBC driver from a third-party supplier.

## 6 CERTIFICATES

Certificates can or rather must be used for communication via AS2, FTPS, HTTPS, OFTPS, SSH (SFTP, SCP). Lobster\_data allows the creation and use of self-signed certificates.

If the communication partner demands the use of credible certificates, then these must be sourced from a certification body.

## 7 SAP CONNECTION SERVICE

In order to be able to use the SAP connection service, you will need SAP JCo (Java Connector) version 2.1.10 or 3.x, which must be compatible with your SAP version and the operating system of the computer on which Lobster\_data is installed.

We recommend that you download this driver from <http://service.sap.com/connectors> as soon as possible to ensure that you are using the right driver for your SAP system.

## 8 AUTHORISATIONS AND PASSWORDS

All user authorisations necessary for installing Lobster\_data must be available at operating system and database level. The necessary passwords must be known.