

# SYSTEM REQUIREMENTS



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## SCOPE

These system requirements specify the environments where the software has been tested and that are recommended by Pricka AB to get a well working solution with a satisfactory user experience. Depending on the volume of data, the number of concurrent users and other software running concurrently more resources might be required. The environments specified herein are the ones we support, that means that we guarantee that the software will work in these environments. If the software is run in other environments and there are problems, we do not guarantee a solution.

*The Pricka Bokslut software is built with a two-layer architecture. A client with business logic and a database that stores data.*

## GENERAL REQUIREMENTS

### OVERALL

- Internet Connection
- Microsoft .NET Framework 4.7.2

### DATABASE ENGINE

- Microsoft SQL Server version 2008 or newer. For best performance MS SQL Server 2016 or newer is recommended

If a 64-bit operating system is used it's generally best to use a 64-bit version of SQL Server.

**Observe:** Restore from backup cannot be done in an older version of SQL Server than the version where the backup has been made.

## SQL SERVER AND DATABASE

- Sort order on instances and databases: Finnish\_Swedish\_CI\_AS
- TCP/IP must be activated for Pricka Bokslut to work
- SQL Server must be set to mixed mode authentication
- A user named PBUser is created when the Database is created

### CONNECTIONSTRING

In the program folder for Pricka Bokslut there is a configuration file, named PrickaBokslut.exe.config, containing a connection string. That string can either have a username and password for the database or use SSPI (Windows authentication).

Example with SSPI:

```
<add name="PrickaBokslut.Properties.Settings.ConnectionString" connectionString="Data Source=myDatabase;Integrated Security=SSPI;Initial Catalog=PrickaBokslut" />
```

Example with username and password:

```
<add name="PrickaBokslut.Properties.Settings.ConnectionString" connectionString="Data Source=myDatabase; User Id=myUsername; Password=myPassword; Initial Catalog=PrickaBokslut" />
```

För mer information se <http://www.connectionstrings.com/sql-server/>

## FIREWALL

By default, Pricka Bokslut is installed on a database instance named PrickaBokslut, this instance is by default configured to be accessible on a dynamically allocated port which means that on every restart of SQL Server it gets a new port number. The client application connects to SQL Server Browser on port 1434 and gets the PrickaBokslut instances port number as a reply. This setup makes it difficult to configure a firewall. If a firewall is to be used between the client and the database, the instance can be configured to get a static port and that port can then be opened in the firewall.

More information on how to activate a firewall for SQL Server can be found at:

<http://msdn.microsoft.com/enus/library/cc646023.aspx>

## MICROSOFT OFFICE

Some functions require that there is software installed that can open PDF and Excel (.xlsx) files. Pricka recommends that Microsoft Office is installed.

## OPERATIVSYSTEM

### KLIENT

Windows 10 (recommended), Windows 8.1

### SERVER

Windows Server 2008 – 2019

## NETWORK

- Connection between client and server shall be at least 100 Mbit to get a satisfactory performance.
- Network protocol should be TCP/IP

## HÅRDVARA

### SERVER

For information on the systems requirements for MS SQL server se Microsoft System Requirements for the respective version. E.g. <https://docs.microsoft.com/sv-se/sql/sql-server/install/hardware-and-software-requirements-for-installing-sql-server?view=sql-server-2017>

### CLIENT

Processor Frequency	2.0 GHz or faster
Processor type	X86 or x64
Memory	8 GB or higher
Screen resolution	1920x1080 or higher

## OTHER

### POWER SAVING FEATURES

Some functions in the software can be disrupted by the power saving features of the operating system. For example, if the computer is going to hibernation after a certain time of user inactivity, this can affect imports of large files or reconciliation of large amounts of transactions.

### STANDARD FOLDER USED BY PRICKA BOKSLUT

The application uses a folder under the standard Windows application data folder for creating and opening files. This folder can typically be found in the user folder under AppData\Roaming\Pricka.

### WINDOWS REGISTER KEYS

User settings are stored in the windows registry under HKEY\_CURRENT\_USER\Software\Pricka