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1 System requirements

Ensure that the computers on which you are going to install the farmerswife Server and Client applications meet the system requirements specified herein. We also recommend to run the farmerswife Server application on a separate dedicated machine, to ensure maximum performance.



All mentioned 3rd party software or hardware is subject to the respective 3rd parties supplier support. Farmers WIFE S.L. accepts no responsibility for any changes that may be carried out by 3rd parties which may directly or indirectly affect the functionality or performance of the software.

1.1 Server Application

Operating System (OS)

Windows: Windows Server 2012 R2 64bit, Windows Server 2008 R2 64bit (both recommended), Windows 10, Windows 8 Pro 64bit, Windows 7 Pro 64bit.

Due to known low-level WIFE-Server-to-Client connection issues on any 32bit Windows, this can no longer be “recommended”; but the WIFE Server will still run on 32bit Windows OS.

Mac: OS X 10.11.x El Capitan (recommended), 10.10.x Yosemite, 10.9.x, OS X 10.8, OS X 10.7 and OS X 10.6 can also still be used if needed.

Since September 2009 and version 4.8 SP3 and for OS X 10.6 (Snow Leopard) 32bit and 64bit Kernel modes are supported; but note that the WIFE Server app is still a native 32bit application on Mac.

Linux: The only tested and maintained Linux flavor is Ubuntu 12.04 LTS x64 (recommended). Ubuntu 10.10 and 10.04 were recommended in the past; there are no known issues with these versions of Ubuntu.

The WIFE Server-side PDF printing functionality is not supported on Linux.

IMPORTANT: Running the WIFE Server on Linux is only available for large or multi site facilities on a case-by-case basis; skilled in-house Linux IT Administrator(s) are prerequisite and an additional “Linux Support” agreement is mandatory.

Hardware

For best performance we still recommend using a dedicated machine only running the WIFE Server application.

If the WIFE Server is run on a virtualized OS, its proper configuration has to be ensured. The underlying hardware has to always provide the needed resources as stated within this document. Typically the hardware used for virtualized systems is not ideal; use the “Speed Test” button on the fw Server application using the “DemoDB” as a helper to verify and compare the test results. Note: the “Speed Test” can take 5 min. or more to finish.

Processor Server

A fast CPU (3GHz +) and a good portion of L2 or L3 Cache are strong variables in the WIFE performance equation. Important: the WIFE Server application will only utilize 1 CPU and 1 core of a multi-core CPU. Choose a fast CPU (high GHz) plus high amount of L2/L3 cache over amount of slower CPUs/cores. Chose Intel over AMD processors. This also applies when the WIFE Server is run on a virtualized system!

In regards to farmerswife Play see the separate documentation.

Memory

Juggling a lot of memory is what the WIFE Server application heavily relies on!

A minimum 3GB RAM available per WIFE Server instance +1GB for the OS is required. We recommend using a system with fast 6GB or 8GB of RAM.

Hard disks Server

Fast hard drives make the WIFE database backup process faster, which frees up time to handle the actual work performance.

Solid-state drives (SSDs) now on the market really make a performance difference and we recommend using them. Our

clear second recommendation is to use fast SAS (15,000rpm) hard drives with 16MB or more cache. Provide at the very minimum 60GB of free disk-space, plus additional disk space according to your individual needs for storing data to be used within the system.

Screen resolution Server

1024 x 768 minimum; 1280 x 1024 recommended

Network

The typical local network (LAN or WAN) speed of 100Mbit or more is ideal for the WIFE Client application. Bandwidth is not the main factor, unless of course it's completely used up due to other heavy data traffic. Slow network latency typically encountered when connecting from outside the LAN, or on using VPN connections, or hosting the Server on a cloud based solution are the main source for slow performance for the end users.

Misc

IMPORTANT: The Web Client, Mobile Web Client and Play are all powered by a built-in "Jetty" web-server. This requires "**Java**" to be installed on the host machine. We recommend to always stay on the latest version. Important:

For the **WIFE Server hosted on Windows** this means to download and install **JRE** (Java Runtime Environment) **64bit**, if the WIFE Server is run in 64bit mode (if you use the "farmerswife 64bit.exe") and JRE (Java Runtime Environment) **32bit** if the WIFE Server is run in 32bit mode (if you use the "farmerswife.exe").

For the **WIFE Server hosted on Mac OS X** you need to download and install **JDK** (Jave Development Kit) for the built-in Jetty web-server to work.

For the **optional MySQL data interface** when hosted on Windows and Mac ONLY use MySQL v5.1.73 and on Linux MySQL v5.0.

1.2 Client Application

Operating System desktop Client software (32bit only)

Windows: Windows 10 (recommended), Windows 8 and Windows 7, and it will also still run fine on Windows Vista [and Windows XP Home / Pro not supported by Microsoft anymore, we therefore can't recommend it anymore].

Mac: OS X 10.11.x El Capitan (recommended), 10.10.x Yosemite, 10.9.x, OS X 10.8, OS X 10.7 and OS X 10.6 can also still be used if needed. Older OS X version are no longer supported.

[Linux:] A native and usable WIFE Client for Linux is available, but it's not actively supported.

Processor Client machine

For example a Intel 2.4GHz Intel Core 2 Duo processor (minimum).

Memory Client machine

Recommended at least 1GB RAM for the farmerswife Client software, but at least 512MB available RAM. For the main heavy users even more.

Screen resolution Client machine

96dpi at 1200 x 800 minimum (new since 4.10); 1280 x 1024 or more recommended for main heavy users.

iOS farmerswife app, web browser based Web Client and Mobile Web Client access:

Use our free native universal iOS farmerswife app (for iPhone and iPad) from Apple's App store (search for: farmerswife); the iOS 8 optimized version is available (v5.0.708) or for iOS 7 v5.0.59 or for iOS 6 v5.0.34.

The web browser based access via the Web Client is optimized for Safari, Chrome and Firefox; also usable with IE 9 since v4.11.

IMPORTANT: The Web Client, Mobile Web Client and Play are all powered by a built-in Jetty web-server. This requires "Java" to be installed on the host machine.

For the WIFE Server **hosted on Windows** this means to download and install **JRE** (Java Runtime Environment) **64bit**, if the WIFE Server is run in 64bit mode (if you use the "farmerswife 64bit.exe") and **JRE** (Java Runtime Environment) **32bit** if the WIFE Server is run in 32bit mode (if you use the "farmerswife.exe").

For the WIFE Server **hosted on Mac OS X** you need to download and install **JDK** (Java Development Kit) for the built-in Jetty web-server to work.

The Mobile Web Client is optimized for Google Chrome web browsers on Android, Windows and other mobile devices.



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