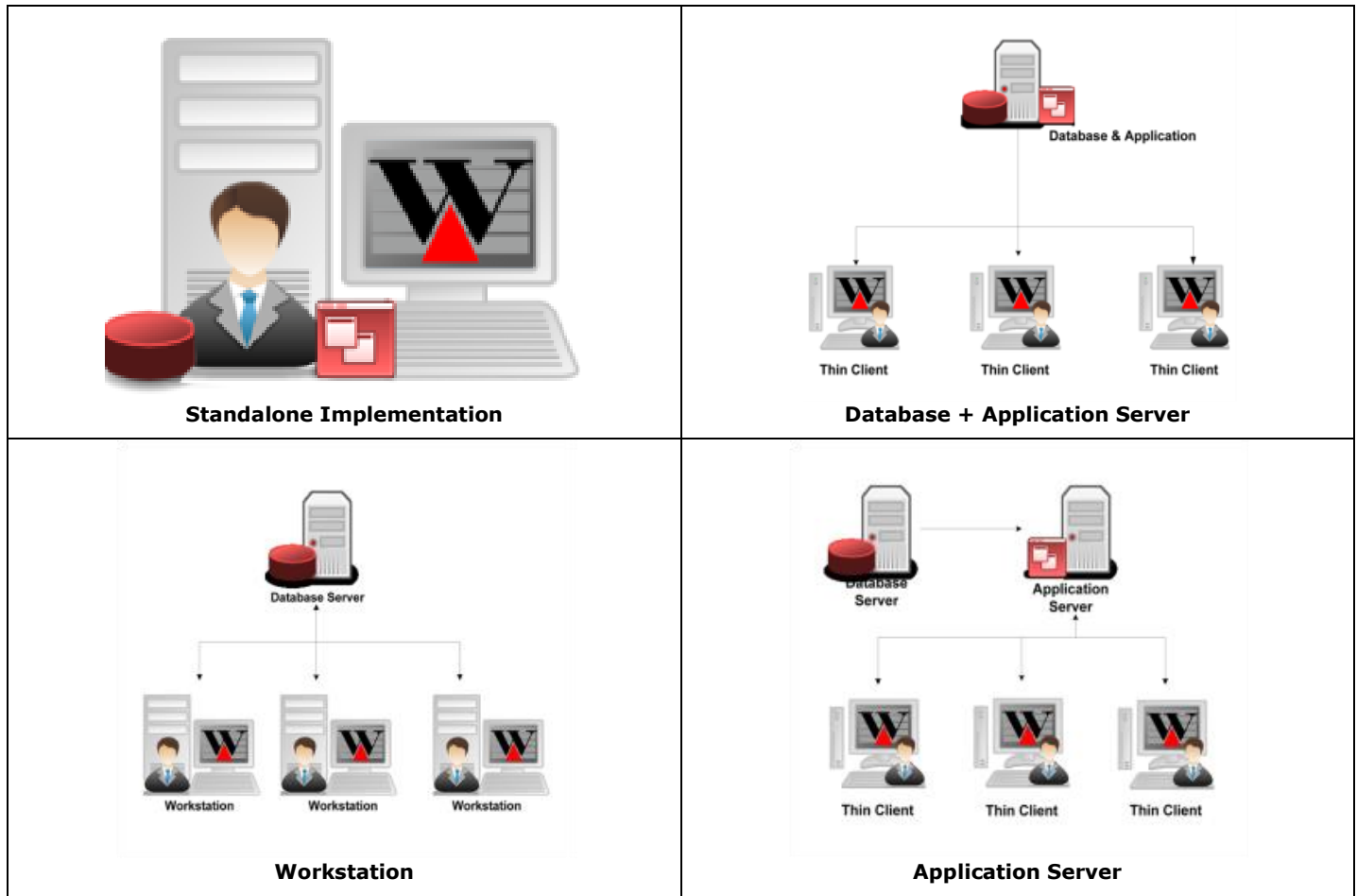


Windowmaker Technical Requirements

Technical Requirements - The Hardware and Software needed to run Windowmaker

Windowmaker and its associated components can be configured in any of the following modes:








Terms defined in this document:




1. **Thin Client:** A terminal that depends on the host computer for its processing power is called a dumb terminal or thin client. A personal computer can run software that emulates the function of a terminal, sometimes allowing concurrent use of local programs and access to a distant terminal host system.
2. **Workstation:** A terminal or desktop computer in a network. In this context, workstation is just a generic term for a user's machine (client machine) in contrast to a "server" or "mainframe."
3. **Database Server:** Server where Windowmaker SQL database would be hosted.
4. **Application Server:** Server on which Windowmaker Software program would be hosted.

Windowmaker Technical Requirements

Before installing and attempting to run Windowmaker, please ensure that you meet the standard minimum requirements below.

To view and download the Pre-requisites for your Windowmaker program, click [here](#).

Windowmaker Express, Windowmaker Lite and Windowseller					
	Standalone Implementation	Workstation	Database Server	Application Server	Database + Application Server
					
Software Requirements					
Minimum Software	Microsoft Windows .NET Framework 4.0				
Database	Refer table below .	N/A	Refer table below .	N/A	Refer table below .
Hardware Requirements					
Processor ¹	Minimum: 2.0 GHz processor Recommended: 2.66 GHz processor or faster	Minimum: 1.0 GHz processor Recommended: 1.4 GHz or faster	Minimum: 1.0 GHz processor Recommended: 2.0+ GHz or faster	Minimum: 2.0 GHz processor Recommended: 2.66 GHz processor or faster	
Memory ¹	Minimum: 1.5 GB RAM Recommended: 2 GB RAM or more	Minimum: 512 MB RAM Recommended: 1 GB RAM or more	Minimum: 1 GB RAM Recommended: 2 GB RAM or more	Minimum: 2 GB RAM Recommended: 4 GB RAM or more	
Hard Disk Space	Minimum: 10 GB Recommended: 20 GB	500 MB for installation	Minimum: 10 GB Recommended: 20 GB	Minimum: 5 GB Recommended: 10 GB	Minimum: 10 GB Recommended: 20 GB

Windowmaker ERP & SQL			
	Database Server	Application Server	Database + Application Server
			
Software Requirements			
Minimum Software	Microsoft Windows .NET Framework 4.0		
Database	Refer table below .	N/A	Refer table below .
Hardware Requirements			
Processor ¹	Minimum: 1.0 GHz processor	Recommended: 2.0+ GHz or faster	Minimum: 2.0 GHz processor Recommended: 2.66 GHz processor or faster
Memory ¹	Minimum: 2 GB RAM	Recommended: 4 GB RAM or more	Minimum: 4 GB RAM Recommended: 8 GB RAM or more

¹Depends on number databases and users.

Windowmaker Technical Requirements

Other requirements

Screen resolution: 1024 x 768 or more.

Remote Desktop Software: If the program is hosted on Application Server, thin clients can access Windowmaker using Remote Desktop Software e.g. Microsoft Remote Desktop Services, GO-Global. Additional CALs (Client Access Licenses) might be required to allow workstation / thin client to connect to the Application Server running Windowmaker.

Operating System Compatibility	
Workstation	Application Server Program run using Remote Desktop Services (RDS)
Windows 10 (32-bit, 64-bit)	Windows Server 2016
Windows 8/8.1 (32-bit, 64-bit)	Windows Server 2012 R2
Windows 7 (32-bit, 64-bit)	Windows Server 2012
	Windows Server 2008 R2 SP2
	Windows Server 2008 SP2 (32-bit, 64-bit)

SQL Server Compatibility						
SQL version	Windowmaker Express, Windowmaker Life, Windowmaker Client ²		Windowmaker SQL and Windowmaker ERP ³		Windowmaker SQL ³ + synched Windowmaker client	
	Now	Soon	Now	Soon	Now	Soon
2005	No	No	Yes	No	No	No
2008 & R2	Yes ⁴	No	Yes	Yes	Yes	Yes
2012	No	No	Yes	Yes	Yes	Yes
2014	Yes	Yes	Yes	Yes	Yes	Yes
2016⁵	Yes	Yes	Yes	Yes	No	Yes

Note: Click on a SQL version to know Hardware and Software Requirements for installing it.

²These products work with [SQL Server Express Edition](#).

³**Minimum:** Workgroup edition, **Recommended:** Standard or Enterprise Edition.

⁴See [SQL Installation Guide](#) for download and install instructions.

⁵SQL Server 2016 is not available for 32-bit operating systems and Windows 7. Use 32-bit SQL Server 2014 in these cases.