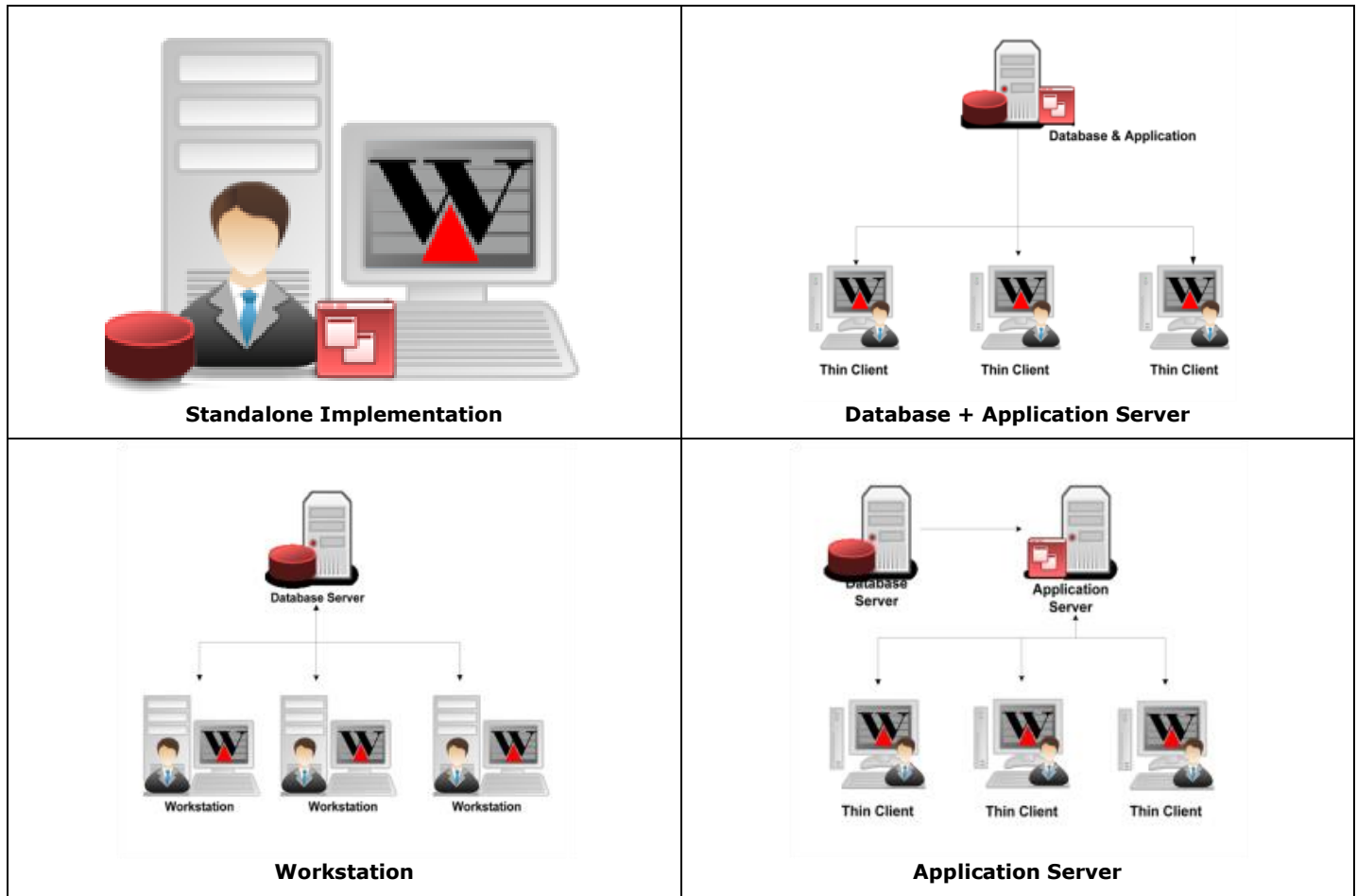


# Windowmaker Technical Requirements

## 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.

Windowmaker Express, Windowmaker Lite and Windowseller					
	Standalone Implementation	Workstation	Database Server	Application Server	Database + Application Server
					
Software Requirements					
Minimum Software	Microsoft Windows .NET Framework 4.7.1				
Database	Refer table below.	N/A	Refer table below.	N/A	Refer table below.
Hardware Requirements					
Processor <sup>1</sup>	<b>Minimum:</b> 2.0 GHz processor <b>Recommended:</b> 2.66 GHz processor or faster	<b>Minimum:</b> 1.0 GHz processor <b>Recommended:</b> 1.4 GHz or faster	<b>Minimum:</b> 1.0 GHz processor <b>Recommended:</b> 2.0+ GHz or faster	<b>Minimum:</b> 2.0 GHz processor <b>Recommended:</b> 2.66 GHz processor or faster	
Memory <sup>1</sup>	<b>Minimum:</b> 1.5 GB RAM <b>Recommended:</b> 2 GB RAM or more	<b>Minimum:</b> 512 MB RAM <b>Recommended:</b> 1 GB RAM or more	<b>Minimum:</b> 1 GB RAM <b>Recommended:</b> 2 GB RAM or more	<b>Minimum:</b> 2 GB RAM <b>Recommended:</b> 4 GB RAM or more	
Hard Disk Space	<b>Minimum:</b> 10 GB <b>Recommended:</b> 20 GB	500 MB for installation	<b>Minimum:</b> 10 GB <b>Recommended:</b> 20 GB	<b>Minimum:</b> 5 GB <b>Recommended:</b> 10 GB	<b>Minimum:</b> 10 GB <b>Recommended:</b> 20 GB

Windowmaker ERP & SQL			
	Database Server	Application Server	Database + Application Server
			
Software Requirements			
Minimum Software	Microsoft Windows .NET Framework 4.7.1		
Database	Refer table below.	N/A	Refer table below.
Hardware Requirements			
Processor <sup>1</sup>	<b>Minimum:</b> 1.0 GHz processor	<b>Recommended:</b> 2.0+ GHz or faster	<b>Minimum:</b> 2.0 GHz processor <b>Recommended:</b> 2.66 GHz processor or faster
Memory <sup>1</sup>	<b>Minimum:</b> 2 GB RAM	<b>Recommended:</b> 4 GB RAM or more	<b>Minimum:</b> 4 GB RAM <b>Recommended:</b> 8 GB RAM or more

<sup>1</sup>Depends 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 11 (64-bit)	Windows Server 2022
Windows 10 (32-bit, 64-bit)	Windows Server 2019
Windows 8.1 (32-bit, 64-bit)	Windows Server 2016
	Windows Server 2012 R2
	Windows Server 2012
	Windows Server 2008 R2 SP2 <sup>2</sup>
	Windows Server 2008 SP2 (32-bit, 64-bit) <sup>2</sup>

<sup>2</sup>Microsoft has ended support to [Windows Server 2008 & Windows Server 2008 R2](#). Windowmaker will also stop supporting these soon.

SQL Server Vs Windowmaker Compatibility		
SQL version	Windowmaker Express, Windowmaker Life, Windowseller, Windowmaker Client (These products work with <a href="#">SQL Express Edition</a> )	Windowmaker SQL and Windowmaker ERP <sup>3</sup>
2019	Yes	Yes
2017	Yes	Yes
2016 <sup>4</sup>	Yes	Yes
2014	Yes	Yes
2012	No	Yes
2008 & R2 <sup>5</sup>	Yes	Yes

<sup>3</sup>**Minimum:** Workgroup edition, **Recommended:** Standard or Enterprise Edition. Synchronization requires server and client to have same version of SQL Server. It might require purchasing SQL Server CALs (Client Access License). Please contact your Microsoft Supplier/Partner for details.

<sup>4</sup>SQL Server 2016 and later versions are not available for 32-bit operating systems and Windows 7 SP1. Use 32-bit SQL Server 2014 SP2 in these cases.

<sup>5</sup> Microsoft has ended support to [SQL Server 2008 & 2008 R2](#). Windowmaker will also stop supporting these soon.

## Notes

1. Click on a SQL version to know Hardware and Software Requirements for installing it.
2. Synchronization of Windowmaker Client requires server and client to have same version of SQL Server.

# Windowmaker Technical Requirements

	Operating System Vs SQL Server Compatibility (64-bit)					
	Workstation					
	2019	2017	2016 SP1	2014 SP2	2012 SP3	2008 R2 SP2
<b>Windows 11</b>	Yes	Yes	No	No	No	No
<b>Windows 10</b>	Yes	Yes	Yes	Yes	Yes	No
<b>Windows 8.1</b>	No	Yes	Yes	Yes	Yes	Yes
	Application Server					
<b>Windows Server 2022</b>	Yes	Yes	No	No	No	No
<b>Windows Server 2019</b>	Yes	Yes	Yes	Yes	No	No
<b>Windows Server 2016</b>	Yes	Yes	Yes	No	Yes	No
<b>Windows Server 2012 R2</b>	No	Yes	Yes	Yes	Yes	Yes
<b>Windows Server 2012</b>	No	Yes	Yes	Yes	Yes	Yes
<b>Windows Server 2008 R2 SP2</b>	No	No	No	Yes	Yes	Yes
<b>Windows Server 2008 R2</b>	No	No	No	Yes	Yes	Yes
<b>Windows Server 2008 SP2</b>	No	No	No	No	No	Yes

**Notes:**

1. Windows Server 2016 Essentials not supported for SQL Server 2017
2. Microsoft has ended support to SQL Server 2008 & 2008 R2. Windowmaker will also stop supporting these soon.