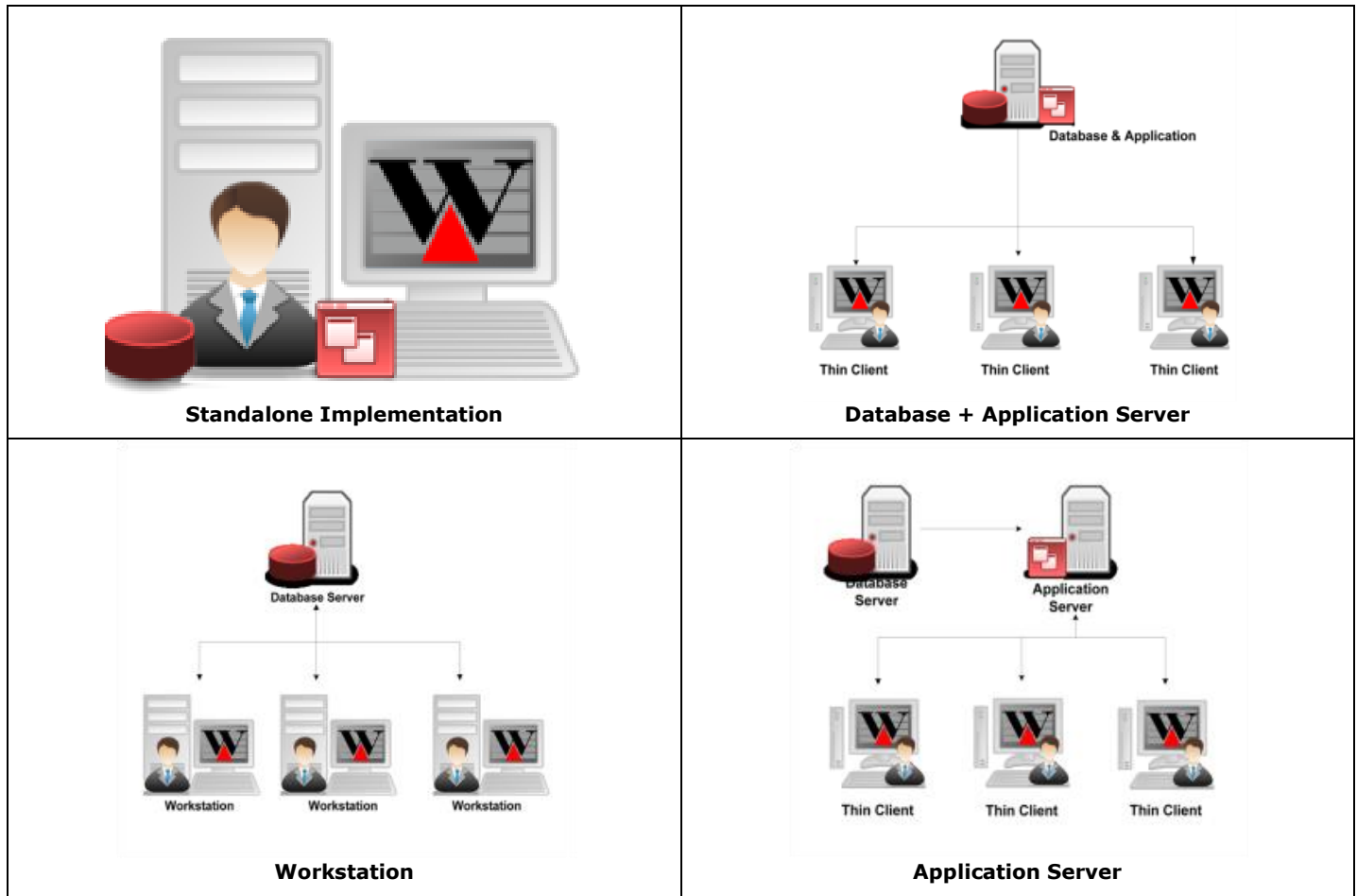


# Windowmaker Technical Requirements

## 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 <a href="#">below</a> .	N/A	Refer table <a href="#">below</a> .	N/A	Refer table <a href="#">below</a> .
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 <sup>2</sup>	<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 4.0		
Database	Refer table <a href="#">below</a> .	N/A	Refer table <a href="#">below</a> .
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

<sup>2</sup>Required space varies with number of Sales Orders

# Windowmaker Technical Requirements

## Notes:

A resolution of 1024 x 768 is ideal for running Windowmaker. However, a higher resolution is recommended while using the Curtain Walling option.

If Windowmaker Software is hosted on Application Server\*, thin clients\* can access Windowmaker through following ways:

1. RDP connection (HTTP)
2. Terminal Services

For RDP connection/Terminal services to work, additional CALs (Client Access Licenses) will 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)
<b>Windows 10 (32-bit, 64-bit)</b>	<b>Windows Server 2016</b>
<b>Windows 8/8.1 (32-bit, 64-bit)</b>	<b>Windows Server 2012 R2</b>
<b>Windows 7 (32-bit, 64-bit)</b>	<b>Windows Server 2012</b>
	<b>Windows Server 2008 R2 SP2</b>
	<b>Windows Server 2008 SP2 (32-bit, 64-bit)</b>

SQL Server Compatibility						
SQL version	Windowmaker Express, Windowmaker Lite, Windowseller, Windowmaker Client <sup>4</sup>		Windowmaker SQL and Windowmaker ERP <sup>6</sup>		Windowmaker SQL <sup>6</sup> + synched Windowmaker client	
	Now	Soon	Now	Soon	Now	Soon
<b>2005</b>	No	No	Yes	No	No	No
<b>2008 &amp; R2</b>	Yes <sup>5</sup>	No	Yes	Yes	Yes	Yes
<b>2012</b>	No	No	Yes	Yes	Yes	Yes
<b>2014</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>2016<sup>7</sup></b>	Yes	Yes	Yes	Yes	No	Yes

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

<sup>4</sup>These products work with [SQL Server Express Edition](#).

<sup>5</sup>See [SQL Installation Guide](#) for download and install instructions.

<sup>6</sup>**Minimum:** Workgroup edition, **Recommended:** Standard or Enterprise Edition

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