



erwin Evolve

## System Requirements

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# System requirements

## Evolve Suite 2020.1.1

### Hardware requirements

	Database Type	Minimum	Recommended
Memory	Stand-alone	6 GB ‡	8 GB ‡
	Networked*	8 GB	16 GB
Processor	Stand-alone	Intel i5 Dual-Core 2Ghz or later	Intel i7 Quad-Core 2Ghz or later
	Networked*	Intel i5 Dual-Core 2Ghz or later	Intel i7 Quad-Core 2Ghz or later
	Stand-alone	1 GB + size of repository (maximum 5 GB)	1 GB + size of repository (maximum 5 GB)
Available disk space	Networked*	1 GB + size of repository (maximum 5 GB)	1 GB + size of repository (maximum 5 GB)

\* Networked means the database is a shared SQL repository on your network.

‡ For best performance memory should be at least the size of your largest model or your repository (if working with all models simultaneously).

**Note:** you may require more available disk space during installation.

### Software requirements

Supported operating systems:	Required software:
Windows 10 (64bit recommended)	Microsoft .NET Framework 4.7.2
Windows Server 2019	MDAC 2.8 or later
Windows Server 2016	Windows Installer 4.5 is required for installing the stand-alone database option
Optional software:	
If installing Communicator4Word: Microsoft Office 2013	
Microsoft Office 2016 If installing V-Modeler:	
Microsoft Office Visio 2013/2016 (32-bit versions only*)	

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\* While V-Modeler can run on a 64-bit version of Windows, it cannot be installed for a 64-bit version of Visio. Visio has 32-bit and 64-bit versions. Please check which version you are using before installing V-Modeler. To do this run Visio and go to File > Help – the About Microsoft Visio section contains the version details.

## Connecting to SQL Server

There is no additional software required to connect to SQL Server.

## Virtual machines

Quest Software, Inc. formally tests Evolve Suite in Microsoft Hyper-V environments. If you experience problems running Evolve Suite in any other virtual environment, and these problems cannot be reproduced outside the virtual environment, Erwin Inc. requires that you seek support from your virtualization vendor. Virtual environments must be configured as per the System Requirements for the equivalent real machine.

Quest Software, Inc. does not support the investigation of performance issues for virtual environments that have not been configured in line with the System Requirements.

Apart from performance problems caused by inadequate virtual machine resources, Erwin Inc. is not currently aware of any problems running Evolve Suite on Citrix and VMware.

# Database requirements

## SQL Server

Recommended	
Memory	8 GB
Processor	Modern Server class processor, such as Intel Xeon or AMD Opteron
Available disk space	10 GB or larger, depending on the size of your repository

## Supported Environments:

- Microsoft SQL Server 2019 / 2017 /2016
- Windows Server 2019
- Windows Server 2016

The recommendations above are for a server installation dedicated to Evolve Suite usage.

# Terminal Server Requirements

## Hardware Requirements

	10 to 16 users	16 to 32 users
Memory	8 to 12 GB	12 to 24 GB

Processor	Modern Server class processor, such as Intel Xeon or AMD Opteron	Modern Server class processor, such as Intel Xeon or AMD Opteron
Cores	8 Cores (balanced) Calculate 1 CPU core per 2 users. For example: a 4 core machine will support up to 8 users.	16 Cores (balanced) Calculate 1 CPU core per 2 users. For example: an 8 core machine will support up to 16 users.
Available disk space	See client details	See client details

### Supported Environments:

- Windows Server 2019
- Windows Server 2016

### Notes:

- The client installation on the Terminal Server cannot have a stand-alone database and must be connected to a Evolve database server on a different machine.
- For more than 30 users we recommend multiple servers.
- You should verify that your chosen operating system can make use of your machine's available memory.

### User Memory Requirements

User memory requirements are dependent on the number of Evolve Suite users and the type of usage.

User	Memory (RAM)	Tasks
Standard user	700 MB	Creating and editing diagrams
Publishing user	3 GB	Creating reports in HTML or Word using Corporate Publisher
Model Manager	2 GB	Using import/export features

The details shown above are dependent on both the size of the model and the complexity of the diagrams. The more complicated the model and/or diagram, the more memory required.

### Notes:

- For Model Management, the amount of memory required over and above that of the standard user needs to be at least five times the size of all the models and XML files involved\*.
- For Corporate Publisher, assume at least 10 times the size of all the models and XML files involved\*.
- Model Management of large models is not recommended on Terminal servers.
- Publishing large models is not recommended on Terminal servers.

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## Total memory requirements

With Evolve Suite, one central process maintains logon information while additional processes perform specific tasks. It means that there are always more processes running than are visible on the taskbar.

For example, a dedicated Terminal Server, connected to SQL Server, to be used by up to 10 concurrent Evolve Suite users, plus one Model Manager and one publishing user, would have the following memory requirements:

Item	Memory required (RAM)
Operating System requirements	256 MB (recommended by Microsoft)
Citrix Meta Frame	64 MB (if installed)
Standard user (x10)	700 MB x 10 = 7000 MB
Publishing user	3000 MB
Model Manager	2000 MB
<b>Total used when connected to SQL Server</b>	<b>12,320 MB</b>

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