



erwin Evolve

System Requirements

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## Legend



**IMPORTANT, NOTE, TIP, MOBILE, or VIDEO:** An information icon indicates supporting information.

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# System Requirements

## erwin Evolve Suite 2022.0.0

### Hardware Requirements

Database Type	Hardware Parameter	Minimum	Recommended
Standalone Networked*	Memory	6 GB ‡ 8 GB	8 GB ‡ 16 GB
Standalone Networked*	Processor	Intel i5 Dual-Core 2Ghz or later Intel i5 Dual-Core 2Ghz or later	Intel i7 Quad-Core 2Ghz or later Intel i7 Quad-Core 2Ghz or later
Standalone Networked*	Available Disk Space	1 GB + size of repository (maximum 5 GB) 1 GB + size of repository (maximum 5 GB)	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).

**i** | You may require more available disk space during installation.

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# Software Requirements

Supported Operating Systems	Required Software
Microsoft Windows 10 (64bit recommended)	Microsoft .NET Framework 4.8
Microsoft Windows Server 2019	MDAC 2.8 or later
Microsoft Windows Server 2016	Windows Installer 4.5 is required for installing the stand-alone database option
IIS (Internet Information Services)	V10 or above

Optional Software
If installing Communicator4Word: Microsoft Office 2013

## Connecting to Microsoft SQL Server

There is no additional software required to connect to Microsoft 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.

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# 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
- Microsoft Windows Server 2019
- Microsoft Windows Server 2016

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

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# 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.

## Supported Environments:

- Microsoft Windows Server 2019
- Microsoft Windows Server 2016

## Notes:

- The client installation on the terminal server cannot have a stand-alone database and must be connected to an Evolve database server on a different machine.
- For more than 30 users, we recommend using multiple servers.
- Verify that your chosen operating system can use your machine's available memory.

## User Memory Requirements

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

User	Memory (RAM)	Tasks
Standard user	700 MB	Creating and editing diagrams
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.

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## 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.
- Model Management of large models is not recommended on terminal servers.

## Total Memory Requirements

With Evolve Suite, one central process maintains log on 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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