



erwin Evolve

System Requirements

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Quest Software Inc.

Attn: LEGAL Dept

4 Polaris Way

Aliso Viejo, CA 92656

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Legend



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

System Requirements

erwin Evolve Suite 2022.1.0

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).



You may require more available disk space during installation.

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 2022 | MDAC 2.8 or later |
| Microsoft Windows 11 | |
| IIS (Internet Information Services) | V10 or above |

| Optional Software |
|--|
| If installing Communicator4Word: Microsoft Office 2019, Microsoft Office 2021 or Microsoft Office 365 |

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.

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 / 2022
- Microsoft Windows Server 2019
- Microsoft Windows Server 2022

The above recommendations are applicable 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. |

Supported Environments:

- Microsoft Windows Server 2019
- Microsoft Windows Server 2022

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.

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 |
| Total used when connected to SQL Server | 12,320 MB |

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