SYSTEMREQUIREMENTS
Tim 2024 – Database server

HARDWARE REQUIREMENTS

MAIN MEMORY / PROCESSOR
> Min. 32 GB RAM
> Minimum Intel I7 or compatible
> AVX-supported (Advanced Vector Extensions)

DISKSPACE
The required disk space depends on the number of projects, the complexity of the elements, and the number of drawings.

In general, the following guidelines apply:
> ca. 0,5 MB / slabs or wall elements
> ca. 1,0 MB / Precast elements
> ca. 1,0 MB / Elementplan

Note: The size of the main memory depends in particular on the number of users, since the server should always be able to keep the users' data in the main memory in order to optimize database queries.

SOFTWARE REQUIREMENTS

HINT:
Compliance with the minimum system requirements issued by Microsoft for the corresponding software products is assumed.

> Microsoft SQL Server
> Microsoft Reporting Services
> .Net Runtime 4.8 (if needed installed along with Tim)

SERVER OPERATION SYSTEMS
> Microsoft Windows Server 2016
> Microsoft Windows Server 2019
> Microsoft Windows Server 2022
> Either German or English

MICROSOFT SQL VERSION
> Microsoft SQL Server Standard 2017
> Microsoft SQL Server Standard 2019
> Either German or English

MICROSOFT REPORTING SERVICES
Corresponding version to the Microsoft SQL Server version.

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SYSTEMREQUIREMENTS
Tim 2024 – Application server

In addition to the standard program, the following Tim software is installed on the application server:

> Tim Administrator: Tim Administration application

> Tim App Service: Controls user access to the database

> Tim Import Service: automatic import of data to Tim

Optional (dependent on License):

> Tim Integration Service: use webservices to exchange data with other systems

> Tim PTS Service: integrate PTS Service to check if reinforcement is produceable

HARDWARE REQUIREMENTS

MAIN MEMORY / PROCESSOR

> Min. 16 GB RAM

> Minimum Intel I7 or compatible

> AVX-supported (Advanced Vector Extensions)

NETWORK

> The application server must not be a domain controller.

> The application server must have one network card.

> The application server must be in the same network as the database server and connected to it via LAN (gigabit network).

SOFTWARE REQUIREMENTS

HINT:

Compliance with the minimum system requirements issued by Microsoft for the corresponding software products is assumed.

> Microsoft SQL Server

> Microsoft Reporting Services

> .Net Runtime 4.8 (if needed installed along with Tim)

SERVER OPERATION SYSTEMS

> Microsoft Windows Server 2016

> Microsoft Windows Server 2019

> Microsoft Windows Server 2022

> Either German or English

MICROSOFT SQL VERSION

> Microsoft SQL Server Standard 2017

> Microsoft SQL Server Standard 2019

> Either German or English

MICROSOFT REPORTING SERVICES

Corresponding version to the Microsoft SQL Server version.

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SYSTEMREQUIREMENT
Tim 2024 – Client

HARDWARE REQUIREMENTS

MAIN MEMORY / PROCESSOR

> Min. 16 GB RAM
> Minimum Intel I7 or compatible
> AVX-supported (Advanced Vector Extensions)

DISK SPACE

The hard disk requirement is low, as only the Tim application program is installed.

GRAPHICS CARD

> A separate graphics card (at least 2 GB main memory) is recommended.
> The graphics card must support DirectX 11 (or higher).

NETWORK

Connection directly via LAN connection (Gigabit network) to the database server and the directory for external files.

HINT: The TIM clients must be set up in the same domain as the servers.

SOFTWARE REQUIREMENTS

CLIENT OPERATION SYSTEM

> Microsoft Windows 10, 64 Bit, German or English
> Microsoft Windows 11, 64 Bit, German or English

.Net Runtime 4.8 (if needed installed along with Tim)

OPTIONAL:

> Internet Information Services

> Installation in accordance to the Tim installation description

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