

# **INSTALLATION MANUAL**

8eu:0



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# 1 Welcome

#### What is Genio?

It is an Agile platform for modeling and automatic generation of integrated information systems, in different architectures and languages such as MVC, HTML 5, Java, C ++ or C #. Based on methodologies such as MDD (Model Driven Development), RAD (Rapid Application Development), and DevOps, it is a helpful solution to develop complex, unique and urgent projects.

#### What makes us innovative?

Genio allows functional specialists, independently of their domain of programming, to build and support information systems through a graphical interface with a high level of abstraction. It combines technological independence, code patronization, and delivery speed in multiple technologies.

It produces easily evolutive, multi-language, and multi-currency systems. The generated code is standard and completely independent of the generation platform. Conceived especially for nonprogrammers, allows analysts to materialize sophisticated management and engineering processes.

#### **Benefits**

- Up to 10 x faster developing new projects with 1/10 of resources.
- Ease evolving maintenance and integration of new requirements.
- Independence of software providers and technologies.
- Interoperability with other manufacturers and brands.
- Ability to update obsolete platforms with innovative methodology.
- Permanent technological and functional updates.
- Productivity is 8 times higher than low code platforms

#### How this document works

This document is an aid to conducting the installation of the Genio facilities. Genio develops for native code and uses it as a database aggregator the most used database engine today. Thus, we will have to resort to procedures described and they must be performed by you in the order represented here.

We wish an excellent work and take advantage of all the potential of the Genio platform.

# 2 Computer minimum requirements

For optimal functioning of Genio, it should be installed on a computer with the following characteristics:

- Microsoft Windows 10
- 8GB RAM
- 15 or equivalent
- 40GB free disk space
- Internet connection

# **3** Windows Features

To improve performance, windows 11 has many features disabled because most users don't need them in their daily lives.

Therefore, it is necessary to enable several features. Check below the marked features and compare with yours.

• First, you should search for "features" in windows.



#### 🛐 Windows Features

#### Turn Windows features on or off

To turn a feature on, select its check box. To turn a feature off, clear its check box. A filled box means that only part of the feature is turned on.





• After validation and installation of all features, restart your computer.

# 4 Visual Studio Setup

GENIO produces fully readable source code and project files which can be used in many Integrated Development Environments (IDEs) depending on the technologies used for development.

Building and compiling MVC solutions require Microsoft Visual Studio (VS). Currently, it is possible to use both versions, 2019 and 2022, however, we would recommend using the latest version.

For educational and testing purposes the VS2022 Community Edition is available at the following address:

https://visualstudio.microsoft.com/thank-you-downloading-visualstudio/?sku=Community&channel=Release&version=VS2022&source=VSLandingPage&cid=2030&pa

ssive=false

#### 4.1 ASP.NET MVC

After opening the VS setup program, select the "**ASP.NET and web development**" option in the upper left corner.

In the **"Installation Details"** area on the right sidebar, please **check** the **.NET Framework developments tools** options above version 4.8.

Modifying — Visual Studio Community 2022 — 17.4.0 Workloads Individual components Language packs Installation locations	×			
Web & Cloud (4)	Installation details			
Advent Genetaporent     Aure Genetaporent     Aure Genetaporent     Aure Genetaporent     Aure Stock, nock and projects for developing cloud apps     and creating resources using ART and XRT Transmotic.	Visual Studio core editor  ASP.NET and web development  Included  NET Framework 4.7.2 development tools			
Python development     Iden, detugging interactive development and source     control for Python.     Advance and a source     advance and a	ASP.NET and web development prerequisi     Optional     INET Framework 4.8 development tools     INET Formework 4.8 development     INET profiling tools			
Desktop & Mobile (5)	Entity Framework 6 tools     Live Share			
NIT Multi platform App UI development     Duild Android, DD, Windows, and Mac apps from s single     codebase using CP with NRT Mult.     Multi VP, Windows Forms, and console applications     using CP, Visual Basic, and PP with NRT and ART Frame.	.NET Debugging with WSL     IntelliCode     Microsoft Teams development tools     .NET Framework project and item templates     Windows Communication Foundation			
Destags development with C++     Destags development with C++     Universal Windows Platform development     Universal Windows Platform     whole, including MSVC, Clang, CMaite, or MSRuid.	Development time IIS support     NET Framework 4.6.2-4.7.1 development t     Additional project templates (previous ver     NET WebAssembly Build Tools     NET 6.0 WebAssembly Build Tools			
* Mobile development with C++ Build cross-platform applications for IOS. Android or Window using C++.	INET Framework 48.1 development tools     Individual components ●			
Lookin Remove out-of-support components CliPogram Files (JdB)/McVaueStudia				

#### 4.2 .NET 6.0

If you are using Visual Studio 2022 (v17.3), you should download this release of .NET 6.0.

.NET 6 unifies the SDK, base libraries, and runtime across mobile, desktop, IoT, and cloud apps.

The download is available at <u>https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/sdk-6.0.403-windows-x64-installer</u>.

# 5 Node.js

Genio solutions need Node.js to compile all libraries of the project. Currently, the recommendation is versions above 16 and below 17.

Version 16.18.1 can be downloaded at:

- https://nodejs.org/download/release/v16.18.1/node-v16.18.1-x64.msi (x64)
- <u>https://nodejs.org/download/release/v16.18.1/node-v16.18.1-x86.msi</u> (x32)

For other releases go to <u>https://nodejs.org/en/download/releases/</u> and choose another version.

Note: After installation, it is mandatory to restart the computer.

## 5.1 Add node path to the Environment Variables

It is a good practice add the node path to the variables. In windows start button search for "Environment Variables" or go to Settings->System->About and Select "Advanced System Settings".



In the System Properties windows, click on "Environment Variables..." button, you can follow in the figure bellow.

ystem Propertie	25				>
Computer Name	Hardware	Advanced	System Protection	Remote	
You must be lo	gged on as a	an Administrat	tor to make most of t	hese chang	ges.
Performance					
Visual effects	, processor s	cheduling, m	emory usage, and vi	tual memor	у
			_		_
			L	Settings	
- Llear Profilae -					
Deckton cettir	one related to	o vour eign in			
Desktop setti	iys related to	o your signnin			
				Settings	
				_	
Startup and R	ecovery				
System startu	p, system fai	lure, and deb	ugging information		
			_	-	
				Settings	
			Environme	ent Variable	s
		OK	Cancel	A	oply

**Select** "Path" and **click** in the "Edit" button. Then, **add a new variable** with the value %USERPROFILE%\AppData\Roaming\npm

ronment Variables		×
User variables for		
Variable	Value	
OneDrive	:\OneDrive	
Path	:\AppData\Local\Microsoft\Window	sApps;
TEMP	:\AppData\Local\Temp	
TMP	;\AppData\Local\Temp	
	New Edit	Delete
ystem variables		
Variable	Value	^
Comfines	Childford and an and an a	
DriverData	C:\Windows\System52\CritersDriverData	
NUMBER OF PROCESSORS	4	
OS	Windows NT	
Path	C:\Program Files\Eclipse Foundation\jdk-16.0.2.7-hotspot\bir	n;C:\W
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC	
PROCESSOR ARCHITECTURE	AMD64	~
	New Edit	Delete
	OK	Cancel

## 5.2 Genio Versions lower 290.04

For Genio versions lower than 290.04, only Node.js versions 10.0.0 to 13.9.0 can be used.

Version 13.9.0 of Node.js can be downloaded from the following link:

- <u>https://nodejs.org/download/release/v13.9.0/node-v13.9.0-x64.msi</u> (x64)
- <u>https://nodejs.org/download/release/v13.9.0/node-v13.9.0-x86.msi</u> (x32)

# 6 Quidgest Setup

This installation program developed by Quidgest installs some dependencies necessary to run our applications.

The installation program can be downloaded at <a href="https://quidgest.net/DownloadFiles/Setups\_3.0.8.zip">https://quidgest.net/DownloadFiles/Setups\_3.0.8.zip</a>.

## 6.1 Requirements

Before beginning installation:

- You must have administrator privileges (local or network).
- All applications in Windows must be closed.

### 6.2 Procedure

### 6.2.1 Local Directory

Once the <u>file</u> has been downloaded, it must be unzipped. Make sure you do not make any changes to the folder structure.

### 6.2.2 Installation Program

Run the file "QuidSetups.exe".



Quidgest solutions require the .NET Framework 4.8. If the message in the image appears (in figure below), please make sure you have .NET 4.8 successfully configured.



#### 6.2.2.1. Configure .NET 4.8

The feature should be activated on Control Panel->Programs and Features->Turn Windows features on or off".

🖸 Programs and Features - 🗆 🗙					
🗧 🔶 👻 🛧 👩 > Control Panel > All Control Panel Items > Programs and Features 🗸 🖏 Search Programs and Features					
Control Panel Home	Uninstall or change a program				
View installed updates Turn Windows features on or	To uninstall a program, select it from the list and then	click Uninstall, Change, or F	Repair.		
	Organize 🔻				?
Install a program from the network	Name	Publisher	Installed On	Size	^
	III Microsoft .NET Framework 4.5.2 Multi-Targeting Pack	Microsoft Corporation	16/11/2016	65,6	5 MB
	III Microsoft .NET Framework 4.5.2 Multi-Targeting Pack	Microsoft Corporation	16/11/2016	60,9	MB
	Microsoft .NET Framework 4.6 SDK	Microsoft Corporation	17/11/2016	40,0	MB
	Microsoft .NET Framework 4.6 Targeting Pack	Microsoft Corporation	17/11/2016	53,8	3 MB
	Microsoft .NET Framework 4.6 Taraetina Pack (ENU)	Microsoft Corporation	16/11/2016	47.8	3 MB ~
	Currently installed programs Total size: 2 223 programs installed	13,9 GB			

Search for .NET Framework 4.8 Advanced Services and check ASP .NET 4.8 checkbox.



## 6.2.3 Installation Mode

Ongoing installation, you can either configure the log file, or keep the default.

You should keep the "**Typical**" installation option.



#### 6.2.4 Installation Machine Type

Quidgest systems can be installed in:

- Client machines: Only for customers with solutions using native Windows applications.
- Server machines: To run on servers where Quidgest solutions are installed.



You should select both options ("Client" and "Server").

#### 6.2.5 Client and Server options

There are 4 options below to select from:

- Other: Requirements for all platforms such as Microsoft Report Viewer.
- Backoffice: Windows Applications.
- MVC: Web applications that use MVC technology.
- Web: Other web applications.



You should **select all options**: Other, Backoffice, MVC and Web.

#### 6.2.6 Installation

Based on our previous selection it will be given a detailed listing of the components that will be installed on our server. Check if everything is all right and you can start the installation process by clicking on **"Install"** button.

After installation, you can close the window by clicking on "Close".

# 7 SQL Server 2019

Genio is compatible with SQL Server 2008 R2 or later. However, it is advised to always use the latest version of SQL Server. You can get a free **Developer edition** of Microsoft SQL Server 2019 here: <a href="https://www.microsoft.com/pt-pt/sql-server/sql-server-downloads">https://www.microsoft.com/pt-pt/sql-server/sql-server/sql-server/sql-server-downloads</a>.

Scroll down a bit on the page and select the Developer option to be downloaded.



After running the SQL2019-SSEI-Dev.exe file, you should select the Custom option.



Keep media location as C:\SQL2019 and press install. This may take a few minutes. Now the SQL installation center window will open.

On the top left menu, click on the installation tab and select **New SQL Server stand-alone** installation.



When installing SQL Server, use the default setup options except when noted below.

## 7.1 Feature Selection

There are many features that you can add at your server instance, however for Genio we just will need the first option, the "**Database Engine Services**" option.

Feature Selection Select the Developer features to	o install.		
Install Rules Installation Type Product Key License Terms Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Cooking for Reporting Serviv Eeatures: Database Engine Services Out Carrow Poplication Machine Learning Ser R Python Java Full-Text and Semanti Data Quality Services PolyBase Query Service Ventor Services PolyBase Query Services Select <u>A</u> II Instance goot directory: Shared feature directory:	ces? Download it fro	m the web  Feature description:  Select pring data. The polled access  Pererequisites for selected features:  Already installed:  Windows PowerShell 3.0 or higher Microsoft Visual C++ 2017 Redistributable  Disk Space Requirements Drive C: 1003 MB required, 126135 MB available  crosoft SQL Server\
	Shared feature directory ( <u>x</u> 86):	C:\Program Files (x8	6)\Microsoft SQL Server\

## 7.2 Instance Configuration

By default, a computer does not have any server instance installed, in this case you should maintain the "**Default instance**" option selected. With this selection the server instance name will assume the same name as the computer [COMPUTERNAME] (E.g., CURIOSITY).

If you already have a server instance previously installed, choose the "**Named Instance**" option, and type a new name. The suggestion is "QUIDGEST[YEAR]" (E.g., QUIDGEST2022). In the end, the full name of your server is "[COMPUTERNAME]\QUIDGEST[YEAR]" (E.g., CURIOSITY\QUIDGEST2022)

Instance Configuration					
Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.					
Global Rules Microsoft Update Product Updates	<ul> <li>Default instance</li> <li>Named instance:</li> </ul>	MSSQLSERVER			
Install Setup Files Install Rules Instance ID: MSSQLSERVER Instance ID:					

## 7.3 Server Configuration / Collation

SQL Server collation refers to a set of character and character encoding rules. Genio uses "SQL\_Latin1\_General\_CPI\_CI\_AI", this means:

- Latin makes the server treat strings using ascii.
- CPI uses the Code Page 1252.
- CI is case-insensitive ("ABC" is equal to "abc").
- Al is accent-insensitive ("á" is equal to "a").

to SQL Server 2019 Setup					
Server Configuration Specify the service accounts and collation configuration.					
Install Rules Installation Type Product Key License Terms Feature Selection Feature Rules Instance Configuration <b>Server Configuration</b> Database Engine Configuration Feature Configuration Rules	Service Accounts       Collation         Database Engine:	<u>م</u> ا	ustomize.	n	
Ready to Install Installation Progress Complete					

Make sure that you **choose the correct option**. This setting makes it easy to search for data because data entry is subject to many accentuation errors.

O Windows collation designator and sort order				
Collation designator:	Albanian	Albanian		
<ul> <li>Binary</li> <li>Case-sensitive</li> <li>Accent-sensitive</li> </ul>	Binary-code point Kana-sensitive Width-sensitive	Char/Varchar Storage Options Windows Code Page (1250) UTF-8		
Supplementary characters Variation selector-sensitive  SQL collation, used for backwards compatibility  SQL_legipedic_Dref_CD1_CL_AS  SQL_Latin1_General_CP1_CL_AS  SQL_Latin1_S SQL_Latin1_S SQL_Latin1_S SQL_Latin1_S SQL_Latin1_S SQL_S SQL_S SQL_S SQL_S SQL_S SQL_S SQL_S SQL_				
Collation description: Latin1-General, case-insensitive, accent-insensitive, kanatype-insensitive, width-insensitive for Unicode Data, SQL Server Sort Order 54 on Code Page 1252 for non-Unicode Data				

## 7.4 Database Engine Configuration

#### 7.4.1 Server Configuration

In the first tab, "Server Configuration", you should select in the <u>Authentication Mode</u> area, the **Mixed Mode** option, so that third-party SQL applications can access the databases created therein.

The password here is based on the default user "sa" - it must have fifteen characters, including capital and small letters as well as numbers (don't use special characters). This is **only for configuration** and installation, not for normal use.

Also, add yourself (Add Current User) as SQL Server administrator.

Database Engine Configuration				
Specify Database Engine authen parallelism, Memory limits, and F	tication security mode, a ilestream settings.	administrators, data directories, lempDi	B, Max degree of	
Specify Database Engine authen parallelism, Memory limits, and F Install Rules Installation Type Product Key License Terms Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Server Configuration Specify the authenti Authentication Mod O Windows authent Mixed Mode (SQ Specify the password Enter password: Confirm password: Specify SQL Server a	Data Directories TempDB MaxDOP ication mode and administrators for the de tication mode L Server authentication and Windows au of for the SQL Server system administrat eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee	Memory FILESTREAM  Database Engine.  Uthentication) or (sa) account.  SQL Server administrators have unrestricted access to the Database Engine.	
	Add current Oser	Nemove		

#### 7.4.2 Filestream

In the "FILESTREAM" tab of this form, select the technologies to be used for document recording.

You should select **all** the options and make sure you do not change the windows share name.

Database Engine Configuration					
Specify Database Engine authen parallelism, Memory limits, and F	ication security mode, administrators, data directories, TempDB, Max degree of ilestream settings.				
Install Rules	Server Configuration Data Directories TempDB MaxDOP Memory FILESTREAM				
Installation Type					
Product Key	Inable FILESTREAM for Transact-SQL access				
License Terms	Inable FILESTREAM for <u>fi</u> le I/O access				
Feature Selection					
Feature Rules	Windows share name: MISSQLSERVER				
Instance Configuration	Allow remote clients access to FILESTREAM data				
Server Configuration					
Database Engine Configuration					
Feature Configuration Rules					
Ready to Install					
Installation Progress					
Complete					

## 7.5 Next Steps and Successful Installation Confirmation

Before the installation begins, you will be **presented with a summary** of all settings that will take effect during the installation of SQL Server.

After several minutes installing the configuration previously defined, you will get the **successful installation confirmation**.

# 8 Microsoft SQL Server Management Studio

SQL Server Management Studio (SSMS) is an integrated environment for managing any SQL infrastructure. We use SSMS to query, design, and manage your databases and data warehouses on your local computer.

In other words, to have access to the local server database, it is necessary to have this tool installed locally.

You can find the download of Microsoft SQL Server Management Studio (SSMS) at <a href="https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver16">https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver16</a>

# Download SSMS

To download SSMS 19 Preview 2, visit Download SSMS 19.

Free Download for SQL Server Management Studio (SSMS) 18.12.1

SSMS 18.12.1 is the latest general availability (GA) version. If you have a previou Click here installed, installing SSMS 18.12.1 upgrades it to 18.12.1.

- Release number: 18.12.1
- Build number: 15.0.18424.0
- Release date: June 21, 2022

For the installation, you should follow the wizard setup with the default settings.

### 8.1 Opening SSMS

Once installed, search for "SSMS" on your task bar and open it.

In the popup box that appears, click on the dropdown field of "Server name", and select "browse for more" as shown in the follow figure:

Connect to Server		×
	SQL Server	
Server type: Server name: Authentication: User name:	Database Engine EXAMPLE EXAMPLE Kowse for more>	~
Password:	Remember password	

You should select the **server instance name** configured before. If you just have one server instance, it should have the same name as the computer.

🖵 Browse for S	Servers	×
Local Servers	Network Servers	
Select the ser	ver to connect to:	
→ Data → → Analy → → Analy → → Analy → → Analy → → Analy → → → Analy → → → → → → → → → → → → → → → → → → →	base Engine EXAMPLE ysis Services pation Services pration Services e-SSIS Integration Runtime	

### 8.2 Creation of Database User

Now you need to create your **User Master Credentials** in the SQL database. The User master credentials are very important, you will use them both on SSMS and on Genio, so it is advisable that you save these credentials in a notepad file or write them in a notebook. Later, you can change the password if you choose to.

For the Master Username: please do not use numbers or special characters.

**For the Master Password**: please create a password according to the following conditions of complexity:

- 10 characters long.
- At least one capital letter and one small letter.
- At least one number.
- At least one special character.
  - IMPORTANT NOTE: **do not use any of the following special characters** (as the lead to errors on Genio):
    - (less than sign)
    - > (greater than sign)
    - & (and sign)
    - '- (apostrophe or single quote)
    - "- (double quote)

There are two ways to create your **User Master Credentials** in the SQL database: by query or manually. See steps for both options below.

## 8.2.1 By query

To allow the system access to SQL Server, the Quidgest user with administration privileges must be created. For this purpose, the following query must be executed:

```
USE [master]
GO
CREATE LOGIN [set_a_MasterUsername] WITH PASSWORD =
N'<set_a_MasterPassword>', DEFAULT_DATABASE=[master], CHECK_EXPIRATION=OFF,
CHECK_POLICY=OFF;
GO
```

**Note:** <u>You must keep the password entered here</u> so that the system can be configured to respond with it. This password will be set instead of *<set\_a\_MasterPassword>* in the previous query.

#### 8.2.2 Manually

On the top left menu of the program, right-click on the Security section and chose the option "new" followed by "new login" as shown in the image:



In the General section, type a Login name (Master Username) and change the authentication type from "Windows authentication" to "SQL Server Authentication":

Select a page	🖵 Script 🔻 🕜 Help	
Server Roles     User Mapping     Segurables	Login name:	Search
Status	Windows authentication	
-	SQL Server authentication	
	Password:	
	Confirm password:	

Then, type a Password (Master Password) and Confirm with the same Password.

**Note:** create a password according to the conditions of complexity mentioned before:

Select a page	🖵 Script 🔻 😮 Help	
<ul> <li>Server Roles</li> <li>User Mapping</li> <li>Securables</li> <li>Status</li> </ul>	Login name: Searce Sear	:h
	Password: Confirm password:	

The options to enforce the password policy should be **unchecked**.

Select a page	Script ▼				
<ul> <li>Server Roles</li> <li>User Mapping</li> <li>Securables</li> <li>Status</li> </ul>	Login name: Vindows authentication SQL Server authentication Password: Confirm password: Specify old password Old password: Enforce password policy	Search			
	<ul> <li>Enforce password expiration</li> <li>User must change password at next login</li> </ul>				

Select a page	🖵 Script 🔻 🕜 Help			
Seneral General				
<ul> <li>Server Roles</li> <li>User Mapping</li> </ul>	Login <u>n</u> ame:			S <u>e</u> arch
Securables	Windows authentication			
- Status	SQL Server authentication			
	Password:			
	Confirm password:			
	Specify old password			
	Old password:			
	Enforce password policy			
	Enforce password expira	tion		
	User must change passw	vord at next login		
	<ul> <li>Mapped to certificate</li> </ul>			$\sim$
	O Mapped <u>t</u> o asymmetric key			$\sim$
Connection	Map to Credential			✓ <u>A</u> dd
Connection	Mapped Credentials	Credential	Provider	
CURIOSITY		Credentia	1 lovider	
Connection: QUIDGEST				
View connection properties				
Progress				Remo <u>v</u> e
Ready	Default <u>d</u> atabase:	master		~
To a port	Default language:	English - us_english		~

Confirm the default language is "English – us\_english".

In the Server Roles section, it is necessary give more permissions to the master user. For that, you should select the "**sysadmin**" option.

Select a page	⊥ Script 👻 😮 Help
<ul> <li>Server Roles</li> <li>User Mapping</li> <li>Securables</li> <li>Status</li> </ul>	Server role is used to grant server-wide security privileges to a user.
	Server roles:

### 8.3 Testing credentials

It is important test if the credentials are working well, because Genio it will always use these credentials.



Please change the authentication from Windows Authentication to SQL Server Authentication.

⊡ Connect to Server	>	<
	SQL Server	
Server type:	Database Engine	
Server name:	~	-
Authentication:	SQL Server Authentication	
Login:	Windows Authentication	
Password:	Azure Active Directory - Universal with MFA Azure Active Directory - Password Azure Active Directory - Integrated	
	Connect Cancel Help Options >>	

You must login with the credentials entered previously. If you logged in **successfully** you can <u>close</u> SSMS, otherwise login again with the windows user (Windows Authentication), edit the previously created login and change the password (this should solve the problem).

## 8.4 Enabling Named Pipes and TCP/IP

To ensure an optimized and flexible connection between the system and the database, protocol bindings should be enabled.

Open SQL Server 2019 Configuration Management program.



In SQL Configuration Manager, select the SQL Server instance and choose Enabled both for Named Pipes e for TCP/IP.

SQL Server Configuration Manager (Local)	Protocol Name	Status	
SQL Server Services	👔 Shared Memory	Enabled	1
SQL Server Network Configuration (32bit)	" Warned Pipes	Ena	
> .豊. SQL Native Client 11.0 Configuration (32bit)	TCP/IP	Ena	Enable
<ul> <li>SQL Server Network Configuration</li> </ul>	<b>4</b> 101711	CITO	Disable
B= Protocols for MSSQLSERVER			
> . 學, SQL Native Client 11.0 Configuration			Properties
			Help

Then you should restart the service. For that, you select the SQL Server Services menu, choose your instance, and **restart** the service.



# 8.5 Filestream Check (In Case of an Error)

If FILESTREAM related issues occur in the first system run, check the settings.

In SQL Server Configuration Manager select the SQL Server instance and choose properties.

Ð					
Name	State	Start Mode	Log On As		Process ID
SQL Server (SQLEXPRESS)	Stopped	Manual	NT AUTHORITY/Ne NT AUTHORITY/LO		0
SOL Full-text Filter Daemon Launcher (MSSQL	Running	Manual			2916
SQL Server (MSSQLSERVER)     SQL Server Analysis Services (default)     SQL Server Reporting Services (MSSQLSERVER)     SQL Server Browser     SQL Server Agent (MSSQLSERVER)	Stopped Stopped Stopped Stopped	Manual Manual Other (Boo Manual	Start Stop Pause Resume Restart	\LO	0 0 0 0
		L	Properties		
	103		Theip	_	
	Name SQL Server (SQLEX/PRESS) SQL Server (MSSQL SQL Server (MSSQLSER/ER) SQL Server Analysis Services (MetsQLSER/ER) SQL Server Reporting Services (MSSQLSER/ER) SQL Server Agent (MSSQLSER/ER) SQL Server Agent (MSSQLSER/ER)	Name State     Stopped     Stopped	Name State Start Mode     SQL Server (SQLEX/PRESS) Stopped Manual     SQL Server (MSSQLSER/VER) Running Menual     SQL Server Analysis Services (MSSQLSER/VER) Stopped Manual     SQL Server Reporting Services (MSSQLSER/VER) Stopped Manual     SQL Server Agent (MSSQLSER/VER) Stopped Manual     SQL Server Agent (MSSQLSER/VER) Stopped Manual     SQL Server Agent (MSSQLSER/VER) Stopped Manual	Name         State         Start Mode         Log On As           SQL Server (SQLEXPRESS)         Stopped         Manual         NT AUTHOR           SQL Server (SQLEXPRESS)         Stopped         Manual         NT AUTHOR           SQL Server (MSSQLSERVER)         Running         Automatic         Start           SQL Server Reporting Services (default)         Stopped         Manual         Start           SQL Server Reporting Services (default)         Stopped         Manual         Start           SQL Server Reporting Services (default)         Stopped         Manual         Start           SQL Server Reporting Services (MSSQLSERVER)         Stopped         Manual         Start           SQL Server Agent (MSSQLSERVER)         Stopped         Manual         Resume           SQL Server Agent (MSSQLSERVER)         Stopped         Manual         Resume           Restart         Properties         Help         Help	Name     State     State     State     Log On As       SQL Server (SQLEXPRESS)     Stopped     Manual     NT AUTHORITY/Ne       SQL Server (MSSQLSERVER)     Running     Manual     NT AUTHORITY/LO       SQL Server Reporting Services (default)     Stopped     Manual     State       SQL Server Reporting Services (default)     Stopped     Manual     State       SQL Server Reporting Services (default)     Stopped     Manual     State       SQL Server Reporting Services (MSSQLSERVER)     Stopped     Manual     State       SQL Server Agent (MSSQLSERVER)     Stopped     Manual     Manual       SQL Server Agent (MSSQLSERVER)     Stopped     Manual     Resume       Restart     Properties     Help

In the FILESTREAM tab confirm that **all options are selected**.

SQL Server (MSSQLSERVER) Properties				
Log On Service FILESTREAM Advanced				
Enable FILESTREAM for Transact-SQL access				
Finable FILESTREAM for file I/O streaming access				
Windows share name: MSSQLSERVER				
✓ Allow remote clients to have streaming access to FILESTREAM data				
Theo The Widele				
OK Cancel Apply Help				

# 9 **GENIO Setup**

## 9.1 Download Genio setup and License file

It is recommended to run the GENIO installer as an administrator.

- 1. Start by creating a folder on your Local Disk (C:) to save Genio in, name this folder Quidgest.
- 2. Within this folder, create a new folder and name it, **Projects**.
  - 2.1. This is necessary because the Projects folder cannot be set as the same folder where GENIO will be installed.
- To get access to the Genio Setup (.exe) file (used to install Genio), you must first Go to <a href="https://quidgest.net:8080/genio/login">https://quidgest.net:8080/genio/login</a> and click on register now. (\*)

Register your account!	
Get access to the latest Genio platform. You can get a free licence key to start exploring Genio.	Register now

- 4. Now, login to QuidNet using the credentials you just registered.
- Click on the GENIO tab and press download on the most up-to-date version of Genio (the most recent date).
- 6. Please save this <u>Genio version</u> inside your **Quidgest** folder.
- 7. Then go to the MY LICENSES tab.
  - 7.1. Please give a brief explanation as to why you want to install Genio.
  - 7.2. Choose the <u>3 months</u> option from the dropdown menu.
  - 7.3. Then click on the request license button to submit your request.
    - 7.3.1. You will receive an approval email if your request is accepted by Quidgest.
- 8. Once this email arrives, go back to the **My License** tab on QuidNet and download the license.
  - 8.1. Please save this license file in the **Quidgest** folder you created on your Local Disk (C:).

(\*) If you are participating in a training week, you received in your email credentials to Login in the Quidnet. You just need to **download the latest Genio version** (step 6) and **download the license file** (steps 8 and 8.1).

### 9.2 Installation

#### 9.2.1 Genio requirements

The "Genio Requirements" window, which will appear before installation, will show if any other software is needed to install GENIO.

If any of the required software is not found, details will be given on how to install it.

Note: <u>Nothing</u> will prevent you from proceeding with the installation, even if required software is not installed.

Setup Support Rules	Operatio	n completed. Passed 8. Failed 1. Warning C	).	
				Re-run
	Result	Rule	Status	
	0	Quidgest Image Installer	Passed	
	×	Genio Image 2 Library	Library was not found on folder	
		Visual Studio 2008 SP1	Passed	
		Microsoft Visual C++ 2008 Feature Pack	Passed	
		Microsoft Visual C++ 2008 Redistributable	Passed	
		Quidgest Setup	Passed	
	0	Instace of SQL Server	Passed	
	0	.NET Framework 3.5	Passed	
	0	Flash Player	Passed	
	Library n	eeded to run applications generated by Ger	ngenio for C ++ that contains basi	c functionality. Can be found in

### 9.3 DBMS Access Configuration and Privileges

GENIO is based on structured data recording using Microsoft SQL server and requires you to enter details for a SQL server **instance** set to "Mixed Mode" and a user with privileges for database creation, schema management, function management, stored procedure and insert management, updates, and record deletion.

You should use the **server instance name** defined in <u>step of Instance Configuration</u> and the **Master User Credentials** you created on <u>step of Creation of Database User</u>.

Communication options SQL Server name where you want to save your definitions	5
SQL Server name	
Username *	
Password *	
Authentication credentials must exist in the DBMS used by Genio platform	

Make sure the path where Genio is saved is C:\Quidgest\[Genio Version]. Then press next.



Now choose the folder C:\Quidgest\Projects as destination for Project Folder, and in the License field, paste the path: C:\Quidgest\GENLicence.lic then press next.

Genio se Location	<b>ttings</b> of the files to support projects undertaken and license to u	use the Genio		
Location	or the mes to support projects undertaken and icense to t	uie Genio		10
		_		
	Project Folder			
	[C: Quugest Projects			
	Licence File			
	C:\Quidgest\GENLicence.lic			
0. :Jt-				
Quiagest —	_			
	< Pack	Maxt >	Car	a cal

Finally click on install to start installing Genio.

Before the installation begins, you will be **presented with a summary** of all settings that will take effect during the installation of SQL Server.

After several minutes installing the configuration previously defined, you'll get the **successful installation confirmation** and Genio will run.

#### 9.4 Restart Your Computer

After all installations, all .exe files from .NET6, Node.js, SQL2019, SSMS and Genio, as also the zip file from QuidgestSetups can be deleted (Note: you have all this files in Downloads folder).

The you should restart your computer.

## 9.5 Reset Genio credentials (only if error appears)

If when trying to open Genio you get the following error "An error has occurred when opening the Database for version verification!", this means you will have to reset your master login and password on Genio. Click on the "OK" button to close the error box.

E Genic	<ul> <li>Geração avançada de software</li> </ul>	×
1	An error has occurred when openin verification!	g the Database for version
		ОК

First, we need to copy the pathway of where your GEN folder is in, within the Genio Version you have installed (for guidance see image on the next page):

- 1. Open your local disk (C:) folder.
- 2. Now open the Quidgest folder.
- 3. Then open the Genio Version folder.
- 4. Next open the GEN folder.
- 5. Finally copy this pathway.



Now open the **Command Prompt** interface, by searching for **cmd** on the windows search bar.



Then the Command Prompt, please type the following:

- 1. Type: "cd" followed by a space.
- 2. Then paste the pathway of the GEN folder you copied, and press enter.
- 3. Type: "GENgenio.exe /setini" and press enter.



This will open a Genio credential setup interface in which you can put in your master login and password.



# **10** Installation Checklist

In the end of installation, you need to ensure that you have all these programs installed:

□ <u>Visual Studio 2022 with ASP .NET MVC</u>

- □ <u>.NET 6.0</u>
- □ <u>Node.js</u>
- SQL Server 2019
- □ <u>SQL Server Management Studio</u>
- Genio

# Contact for more information

# support.genio@quidgest.com