HELOS UNLIMITED PLM PERFORMANCE DEVELOPED BY ISD

Microsoft SQL Server 2019

Installation guide

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isdgroup.com

Legal notes

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1 Introduction

The HELiOS PDM Modules (Document management, Part management, Workflow etc.) are based on a relational database. Before putting HELiOS into operation, the Microsoft SQL database control system must be installed on the server, a database must be imported and the clients ODBC connection must be established.

The following installation instructions refer to the installation of the English Version of SQL Server 2019 Evaluation Edition. Other editions may have slight divergences.

For further information about Microsoft SQL Server 2019 please refer to the Microsoft documentation or the Help on the Microsoft homepage as follows:

https://www.microsoft.com/en-us/sql-server/sql-server-2019 https://msdn.microsoft.com/de-de/library/ms143531.aspx

Please note:

- If you work with HELiOS and ordered the SQL Server via ISD, please use only the DVD or ISO file provided by ISD.
- If a German SQL Server must be installed on a foreign OS, Region as well as Language must be switched to DE/DE, otherwise the setup routine will not start. After installation, the settings can be restored (this also applies to German/Swiss or German/Austrian)

2 Installation Database Server

2.1 Installation of the Database Modules

After starting the setup, the installation screen will appear as shown below:



Image 1: Start page of SQL Server Installation Centre

In the option menu, select Installation.

On the right side of the screen, click New SQL Server stand-alone installation or add features to an existing installation.

髋 SQL Server Installation Center		-
Planning Installation	E	New SQL Server stand-alone installation or add features to an existing installation Launch a wizard to install SQL Server 2019 CTP2.3 in a non-clustered environment or to add features to an existing SQL Server 2019 CTP2.3 instance.
Maintenance Tools Resources		Install SQL Server Reporting Services Launch a download page that provides a link to install SQL Server Reporting Services. An internet connection is required to install SSRS.
Advanced Options	¥	Install SQL Server Management Tools Launch a download page that provides a link to install SQL Server Management Studio, SQL Server command-line utilities (SQLCMD and BCP), SQL Server PowerShell provider, SQL Server Profiler and Database Tuning Advisor. An internet connection is required to install these tools.
	K	Install SQL Server Data Tools Launch a download page that provides a link to install SQL Server Data Tools (SSDT). SSDT provides Visual Studio integration including project system support for Microsoft Azure SQL Database, the SQL Server Database Engine, Reporting Services, Analysis Services and Integration Services. An internet connection is required to install SSDT.
	F	New SQL Server failover cluster installation Launch a wizard to install a single-node SQL Server 2019 CTP2.3 failover cluster. This action is only availabe in the clustered environment.
	şî	Add node to a SQL Server failover cluster Launch a wizard to add a node to an existing SQL Server 2019 CTP2.3 failover cluster. This action is only availabe in the clustered environment.
Microsoft SQL Server 2019 Community Technology Preview 2 (CTP2)		Upgrade from a previous version of SQL Server Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2019 CTP2.3.

Image 2: Begin installation

Select the field below to enter the Product Key and click Next.

髋 SQL Server 2019 CTP2.3 Setup		_		×
Product Key Specify the edition of SQL Serve	er 2019 CTP2.3 to install.			
Product Key License Terms Global Rules Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Feature Configuration Rules Ready to Install Installation Progress Complete	Validate this instance of SQL Server 2019 CTP2.3 by entering the 25-character key from certificate of authenticity or product packaging. You can also specify a free edition of Developer, Evaluation, or Express. Evaluation has the largest set of SQL Server features SQL Server Books Online, and is activated with a 180-day expiration. Developer editio expiration, has the same set of features found in Evaluation, but is licensed for non-pr application development only. To upgrade from one installed edition to another, run Wizard.	m the Mi SQL Sen s, as doc n does n roductio the Editi	crosoft ver: umented iot have a n databa: on Upgra	in se sde
	< <u>B</u> ack <u>N</u> ext >		Cance	

Image 3: Product Key

Agree on the License Terms and Privacy Statement and click Next.

Mettre à niveau l'édition de SQL Server 2017 -				
Termes du contrat de Pour installer SQL Server 2017,	licence vous devez accepter les termes du contrat de licence logiciel Microsoft.			
Clé de produit (Product Key) Termes du contrat de licence Règles globales Règles de mise à niveau d'édition Sélectionner une instance Règles de fonctionnalité Prêt pour la mise à niveau de l' Terminé	TERMES DU CONTRAT DE LICENCE D'ÉVALUATION DE LOGICIEL MICRO MICROSOFT SQL SERVER 2017 EVALUATION Les présents termes du contrat de licence constituent un contrat entre Micro Corporation (ou en fonction du lieu où vous vivez, l'un de ses affiliés) et vou attentivement. Ils portent sur le logiciel d'évaluation nommé ci-dessus, y co support sur lequel vous l'avez reçu, le cas échéant. Ce contrat porte égalem produits Microsoft suivants : • les mises à jour, • les suppléments, • les services Internet, et	SOFT IS. Lisez mpris l ent sur	z-les e · les Impri	 imer
	< Précédent Suivant >		Annule	r

Image 4: Accept Licence Terms

If there are Microsoft Updates available, go to the tab and activate the checkbox for updates.

Product updates and setup files are being installed.

髋 SQL Server 2019 CTP2.3 Setup			_		\times
Install Setup Files					
If an update for SQL Server Set	up is found and specified to be included	, the update will be installed.			
Product Key					
License Terms	-				
Global Rules	Task	Status			
Product Updates	Scan for product updates	Completed			
Install Setup Files	Download Setup files	Skipped			
Install Rules	Extract Setup files	Skipped			
Feature Selection	Install Setup files	Skipped			
Feature Rules					
Feature Configuration Rules					
Ready to Install					
Installation Progress					
Complete					
		< <u>B</u> ack	<u>N</u> ext >	Cance	1

Image 5: Install Setup Files

After completion, click Next.

📸 SQL Server 2019 CTP2.3 Setup			_		×
Install Rules Setup rules identify potential p	roblems that	might occur while running Setup. Failures must be corrected befo	re Setup		
Product Key License Terms Global Rules Product Updates Install Setup Files	Operation Hide deta <u>View detai</u>	completed. Passed: 2. Failed 0. Warning 1. Skipped 0. ail <u>s</u> << led report		<u>R</u> e-1	un
Feature Selection Feature Rules Feature Configuration Rules Ready to Install Installation Progress Complete	Result	Rule Consistency validation for SQL Server registry keys Computer domain controller Windows Firewall	Status Passed Warning		
		< <u>B</u> ack	<u>N</u> ext >	Cancel	

Image 6: Setup ready

Select the highlighted feature: Database Engine Services

Confirm the selection and click Next.

📸 SQL Server 2019 CTP2.3 Setup				_		×	
Feature Selection Select the Evaluation features to	o install.						
Product Key License Terms Global Rules	 Looking for Reporting Servio Features: 	ces? <u>Download it fro</u>	<u>m the web</u> Feature descriptior	1:			
Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress	Features: Feature description: Instance Features: The configuration and operation of each instance feature of a SQL Server instance is SQL Server Replication Machine Learning Services (In-Database) R Prerequisites for selected features: Python Full-Text and Semantic Extractions for Sea Data Quality Services PolyBase Query Service for External Data Java connector for HDFS data sources Drive C: 1003 MB required, 89579 MB availa				each iance is ier B available	 	
Complete	Select <u>A</u> II <u>Unselect AII</u> Instance <u>root</u> directory: Shared feature directory: Shared feature directory (<u>x</u> 86):	C:\Program Files\Mid C:\Program Files\Mid C:\Program Files (x86	\Microsoft SQL Server\ \Microsoft SQL Server\ (x86)\Microsoft SQL Server\				
			< <u>B</u> ack	<u>N</u> ext >	Cancel		

Image 7: Feature Selection

In the dialogue shown below, specify the name of the SQL Server instance. In this manual, the **Default instance** is used.

髋 SQL Server 2019 CTP2.3 Setup					-	- 🗆	×	
Instance Configuration								
Specify the name and instance	ID for the instance of S	QL Server. Instance ID b	ecomes part	of the installation	n path.			
Product Key License Terms Global Rules	 <u>D</u>efault instance N<u>a</u>med instance: 	MSSQLSERVER						
Product Updates Install Setup Files Install Rules	Instance <u>I</u> D:	MSSQLSERVER						
Feature Selection Feature Rules Instance Configuration	SQL Server directory:	C:\Program Files\Micr	rosoft SQL Ser	ver\MSSQL15.M	SSQLSERVER			
Server Configuration Database Engine Configuration	Instance Name	Instance ID	Features	Edition	n	Version		
Feature Configuration Rules Ready to Install	SQLEXPRESS	MSSQL13.SQLEXPR	SQLEngine	Express	;	13.0.1742.	0	
Installation Progress Complete								
				< <u>B</u> ack	<u>N</u> ext >	Car	ncel	

Image 8 Instance Configuration

Afterwards, specify on which accounts the services is to be started.

Apply the settings as shown below and click Next.

髋 SQL Server 2019 CTP2.3 Setup				_		×
Server Configuration						
Specify the service accounts and	d collation configuration.					
Product Key License Terms Global Rules Product Updates Install Setup Files Install Rules Feature Selection Feature Rules	Service Accounts Collation <u>Microsoft recommends that you</u> Service SQL Server Agent SQL Server Database Engine SQL Server Browser	use a separate account for each Account Name NT Service\SQLSERVERA NT Service\MSSQLSERVER NT AUTHORITY\LOCAL	SQL Server servi	ice. Startuj Autom Autom	p Type atic atic atic	✓✓✓
Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	This privilege enables instant i to information disclosure by a <u>Click here for details</u>	file initialization by avoiding zero	ving of data pag cessed.	ges. This ma	e ıy lead	
		< <u>B</u> ack	c <u>N</u> ext	t>	Cance	el

Image 9: Server Configuration: Set Start Type to "Automatic"

After clicking **Next**, the authentication mode shall be specified. For this, **Mixed mode** is required. Enter the password for the internal database administrator (SA).

Important: Make sure not to select a password that contains special characters such as a semicolon. This can cause problems when exporting and importing the HELiOS database.

In **Specify SQL Server administrators**, enter the current user as well as the group of Windows – Administrators (may be added if necessary).

髋 SQL Server 2019 CTP2.3 Setup					_		Х
Database Engine Config Specify Database Engine authent	Juration	administrators, data direc	tories and Temp[DB settings.			
Product Key License Terms Global Rules Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Server Configuration Specify the authent Authentication Mod <u>Windows authen</u> <u>Mixed Mode (SQ</u> Specify the password: <u>Enter password:</u> <u>Confirm password:</u> <u>Specify SQL Server a</u> <u>DEDTM144\Admini</u>	Data Directories Temp ication mode and administration mode administration and administration and administrators Image: Strator (Administrator) administrator)	DB FILESTREAM	entication) (sa) account. SQL Server admi unrestricted acco Engine.	nistrators ess to the l	have Database	
			< <u>B</u>	<u>a</u> ck <u>N</u> ext	>	Cance	

Image 10: Authentication Mode

An overview of the configuration follows. Now click Install to install the SQL Server 2019.



Image 11: Installation Configuration

After successful installation, additional information about the setup operation will be shown.

Click Close to end the installation.

髋 SQL Server 2019 CTP2.3 Setup			_		\times
Complete Your SQL Server 2019 CTP2.3 in	nstallation completed successfully with produ	t updates.			
Product Key License Terms Global Rules Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Information about the Setup operation or p Feature Database Engine Services SQL Browser SQL Writer SQL Client Connectivity SDK SQL Client Connectivity Setup Support Filer Details: Install successful. Summary log file has been saved to the foll C:\Program Files\Microsoft SQL Server\150 \Summary DEDTM144 20190305 120517	bossible next steps: Status Succeeded Succeeded Succeeded Succeeded Succeeded Succeeded Succeeded Succeeded Succeeded			~
				Close	

Image 12: Completion

To configure SQL Server 2019, the tool SQL Server Management Studio is required.

The tool can be downloaded directly from the Microsoft homepage:

https://msdn.microsoft.com/en-us/library/mt238290.aspx



Image 13: Installation Microsoft SQL Server Management Studio

Click Install to perform the installation automatically.

	-
RELEASE 17.9.1 Microsoft SQL Server Management Studio	
Setup Completed	
All specified components have been installed successfully.	
Close	

Image 14: Completion of Microsoft SQL Server Management Studio Installation

3 Set up SQL Server 2019

3.1 Set up Conditions for Database Import

Start Microsoft SQL Server Management Studio 17 for further configuration.

For this, use Windows Search.



Image 15: SQL Server Management Studio 17

In the login window, specify the **Server name** and select **SQL Server Authentication** in the **Authentication** field. Connect as **sa** with the password you specified during installation in the **Password** field.

교 ^문 Connect to Server	×
	SQL Server
Server type:	Database Engine 🗸
<u>S</u> erver name:	DEDTM144\SQLEXPRESS ~
<u>A</u> uthentication:	SQL Server Authentication
<u>L</u> ogin:	sa
Password:	
	✓ Remember password
	Connect Cancel Help Options >>

Image 16: Management Studio login

In the left area of the window, expand the folder **Security**, right-click the **Logins** sub-folder and select **New Login** in the context menu.



Image 17: Microsoft SQL Server Management Studio

The following window is displayed:

Login - New				_		×
Select a page	🖵 Script 🔻 😯 Help					
 Server Roles User Mapping Securables Status 	Login <u>n</u> ame: <u>W</u> indows authentication <u>SQL Server authentication</u> <u>P</u> assword: <u>C</u> onfirm password: <u>Specify old password</u> <u>Old password</u> : <u>Enforce password policy</u>	hicad			Search	
	Enforce password expiration User must change password Mapped to certificate	ron vord at next login		\sim		
Connection	Mapped <u>to</u> asymmetric key			\sim		
DEDTM144\SQLEXPRESS Connection: sa Y# View connection properties	Mapped Credentials	Credential	Provider	~		
Progress					Remoy	<u>i</u> e
Ready	Default <u>d</u> atabase: Default lan <u>g</u> uage:	master <default></default>		~		
			C	K	Cano	el

Image 18: Creating the user hicad

Enter **hicad** in the **Login name** field, activate the **SQL Server authentication** option and enter a password. Deactivate the **Enforce password policy** option.

Switch to User Mapping. Activate Model Database as shown below and enter hicad in the Default Schema column. Confirm with OK.

Login - New				_	
Select a page	Script	🕶 🕜 Help			
Server Roles	Users map	pe <u>d</u> to this login:			
 Securables Status 	Мар	Database	User	Default Schema	
		master	hicad	hicad	
		msdb			
		tempdb			
Connection	Guest	account enabled for	model		
Server: DEDTM144\SQLEXPRESS	Database	role membership for:	model		
Connection:	db_ac	cessadmin			
v₩ View connection properties	db_ba	ckupoperator tareader			
TT <u>view connection propentes</u>	db_da	tawriter			
	db_da	ıadmın nydatareader			
Progress	db_de	nydatawriter			
Ready	☐ db_se	curityadmin			
				ОК	Cancel

Image 5: User Mapping

4 Import HELIOS Database

4.1 Installation HELiOS Database Creator

To install the HELiOS Database Creator, click the corresponding button in the selection mask.

	Administrator Tools	HELiOS SmartSearch Server
70	This component may only be installed on the License Server!	HELiOS Internet Server
	SafeNet License Server	HELiOS Application Server
	HELiOS Database Creator	HELiOS Spooler
1	Admin Tools Client	Eplan Article Synchronization
	In order to read the installation instructions, the Adobe® Reader®	D is required.

Image 20: Installation DVD with HELiOS Database Creator

The start mask of the setup wizard for Helios Database Creator will be displayed.



Image 21: Setup Wizard

Click Next.

Specify an installation directory for the HELiOS Database Creator, and click Next.

🖟 HELiOS Database Creator Setup	_		×
Destination Folder Please select the installation folder	T	S·D <	J
Install HELiOS Database Creator to:			
C:\Program Files\ISD Software und Systeme\HELiOS Database Creat	cor \]
Back Nex	t	Cano	cel

Image 22: Specify installation directory

Click Install to start the installation.

Click Finish to exit the Setup Wizard.



Image 23: Finalise HELiOS Database Creator installation

4.2 Import Database with HELiOS Database Creator

Enter Database Creator in Windows Search.

≡		Filter \checkmark
ŵ	Best match	
0	HELIOS Database Creator Desktop-App	
	Search suggestions	>
ت ت ا		
	o 🛱 🧲 🥫	

Image 24: Start HELiOS Database Creator

After entering the	e user data – user sa	password and the	Server to be connected	, the login is performed.
0		1	,	

IELIOS - Data	abase Import-/	Export Tool	
Login/	Logout		
User:	sa		
Password:	•••••		
Server:	(local)		▼ V Local
		Login	
			P

Image 25: HELIOS Database Import/Export Tool

For HELiOS versions from HELiOS 2024 (Major Release V. 2900) you will find the database in the directory \Databases\, or in the subdirectory \Databases\en\.

The log file of the process is stored under %Appdata%\Roaming\ISD Software and Systems\HELiOS\bauteil_akt_Helios_Export.log and the configuration under %Appdata%\Roaming \ISD Software and Systems\Helios.DBImportExport\DBImportExportConfig.xml.

The instructions assume that the database name **HELIOS** is used. Enter the export path and the database name and execute the import by clicking the **Import** button.

It is not possible to export to an existing directory that already contains files. In this case you will receive an error message.

	S Database import/export t	001 r -	
Import / Export			
Database:	HELIOS		-
Import/export path:	D:\Helios\Databases\en		
		EXPORT	PORT
- Export settings -			-•
	LOGOUT		

Image 26: Start Imports

After successful import, an import log is displayed:

	2	Database import/export tool	? – 🗆 🗙
Import / Export			
Database:	HELIOS		•
Import/export path:	D:\Helios\Datab	ases\en	
			EXPORT
– Export settings –		Information	
Create Database Datab	tabase HEI rom script Op om script	eration successfully completed.	0
Start of bulk import Start Bulk import Ta BCP: "[Database HE	Database ble ACKONF LiOS].[hicad].[AC	KONF]" in "E:\Databases\en\ACKONF.dat" -S (local) -U sa -P hicad -t -r \n -w
Starting copy			· · .
		LOGOUT	
User: sa, Server: (loca	1)		

Image 27: Import log

After successful import a corresponding notification occurs. Confirm with OK.

Information

Operation successfully completed.



Image 286: Import successful

5 Define Permissions for the User hicad

Switch to the SQL Server Management Studio to define the user permissions for the Database **HELIOS**. Expand the **Databases** folder, right-click **HELIOS** and select the **Properties** function in the context menu.



Image 27: Calling the Properties of HELiOS

Switch here to **Permissions**.

Database Properties - HELiOS		_		×
Select a page	Script 🔻 😮 Help			
Files	. 2↓ ⊂			
Change Tracking	Database			
& Permissions	Name	HELiOS		
Extended Properties	Status	Normal		
A Mirroring	Owner	sa		
Transaction Log Shipping	Date Created	23.01.2019 09:23:10		
Query Store	Size	464,00 MB		
	Space Available	8,64 MB		
	Number of Users	5		
	Memory Allocated To Memory Optimized Obj	0,00 MB		
	Memory Used By Memory Optimized Objects	0.00 MB		
~	Backup			
	Last Database Backup	None		
	Last Database Log Backup	None		
~	Maintenance			
Connection	Collation	SQL Latin1 General CP1 CS AS		
Server: (local) Connection: sa y <u>View connection properties</u>				
Progress	ame			
C Ready	e name of the database.			
		ОК	Cano	el

Image 30: Permissions for hicad

The permissions for the user hicad are defined as following	OWS:
---	------

Database Properties - HELIC	S				- 0	
Select a page	🖵 Script 🔻 😯 Help					
 Files Filegroups Options Change Tracking Permissions Extended Properties Mirroring Transaction Log Shipping Query Store 	Server name: <u>View server permissio</u> Database name: Users or roles: Name Name hicad public	DE NS HE	EDTM144		Searc Type User Database role	ch *.2 e
Connection						
Connection Server: (local) Connection:	Permissions for hicad: Explicit Effective					
Connection Server: (local) Connection: sa	Pemissions for hicad: Explicit Effective Pemission	Grantor	Grant	With Grant	Deny	^
Connection Server: (local) Connection: sa VI View connection properties	Pemissions for hicad: Explicit Effective Pemission Create view Create XMI sche	Grantor	Grant	With Grant	Deny	^
Connection Server: (local) Connection: sa VI View connection properties	Pemissions for hicad: Explicit Effective Pemission Create view Create XML sche Delete	Grantor	Grant	With Grant	Deny	^
Connection Server: (local) Connection: sa VI View connection properties	Pemissions for hicad: Explicit Effective Pemission Create view Create XML sche Delete Execute	Grantor	Grant	With Grant	Deny	^
Connection Server: (local) Connection: sa VI View connection properties	Pemissions for hicad: Explicit Effective Pemission Create view Create XML sche Delete Execute Insert	Grantor	Grant	With Grant	Deny	^
Connection Server: (local) Connection: sa VIII View connection properties Progress	Permissions for hicad: Explicit Effective Permission Create view Create XML sche Delete Execute Insert References	Grantor	Grant	With Grant	Deny	
Connection Server: (local) Connection: sa VIII View connection properties View connection properties	Pemissions for hicad: Explicit Effective Pemission Create view Create XML sche Delete Execute Insert References Select	Grantor	Grant	With Grant	Deny	

Image 8: Permissions for hicad

In the list of permissions, grant the following permissions:

- » Update
- » Alter
- » Select
- » Insert
- » Delete
- » Create table
- » Connect

6 Set up ODBC Connection

To set up the ODBC connection for the clients, open Data Sources (ODBC) with Windows Search.



Image 9: Open Data Sources (ODBC)

The ODBC data source can either be set up as a **System DSN** (by administrator) being available to all users of the computer or as a User DSN which will be available only to the user who created it. The procedure for both options is identical.

In the ODBC Data Source Administrator, click the Add button.

S ODBC	Data Source	Administrat	or (64-bit	t)					>	<
User DSN	System DSN	File DSN	Drivers	Tracing	Connection P	ooling	About			
System D	ata Sources:									
Name	Platform Dri	ver						Add		
								Rem	ove	
								Config	ure	
	An ODBC S A System da	ystem data s ta source is	ource stor visible to a	es informa all users or	tion about how n this machine, i	to conr includin	nect to ti g NT se	he indicated dat ervices.	a provider.	
					ОК	Cano	el	Apply	Help	

Image 33: ODBC Data Source Administrator

In the Create Data Source dialogue window, select the SQL Server Native Client 11.0 and click Finish.

Create New Data Source		×
	Select a driver for which you want to a Name ODBC Driver 13 for SQL Server SQL Server SQL Server Native Client 11.0 SQL Server Native Client RDA 11.0	eet up a data source. Version 2017.140.1000.169 10.00.15063.00 2011.110.6540.00 2011.110.5069.66
	< Back Finis	h Cancel

Image 10: Select ODBC driver

Enter the name of the data source (here, **HeliosBauteil** is used in an exemplary manner) as well as the name of the database server or select it from the list. Confirm your entries with **Next**:

Create a New Data Sour	ce to SQL Server				×
SQL Server 2012	This wizard will help y SQL Server. What name do you w Name: How do you want to Description: Which SQL Server d Server:	you create an C want to use to re HeliosBauteil describe the da [o you want to c ((ocal)	IDBC data source fer to the data so ta source? onnect to?	that you can use	e to connect to
	[Finish	Next >	Cancel	Help

Image 11: Specification of data source

Activate the **With SQL Server authentication...** option, enter **hicad** in the **Login ID** field and your **Password** in the corresponding field below:

Create a New Data Sour	ce to SQL Server	>	<
8	How should SQL Server verify the	the authenticity of the login ID?	
SQL Server 2012	◯ With Integrated Windows	s authentication.	
	SPN (Optional):		
	With SQL Server authent user.	tication using a login ID and password entered by the	
	Login ID:	: hicad	
	Password:	: ••••	
			_
	< Back	Next > Cancel Help]

Image 12: User input

Activate the checkbox Change the default database to: and select HELiOS database. Other options must correspond to those shown in the image below:

6	Change the default database to:	
	HELIOS	~
SQL Server 2012	Mirror server:	
\	SPN for mirror server (Optional):	
	Attach database filename:	
	☑ Use ANSI quoted identifiers.	
	Use ANSI nulls, paddings and warnings.	
	Application intent:	
	READWRITE	~
	Multi-subnet failover.	
	< Back Next > Cancel H	eln

Image 13: Database selection

) MAD	Change the language of SQL Server system messages to:	
Morestructure and a second	(Default)	
SQL Server 2012	Use strong encryption for data	
	Perform translation for character data	
	Use regional settings when outputting currency, numbers, dates a	and times.
	Save long running queries to the log file:	
	C:\Users\ADMINI~1\AppData\Local\Temp\QUERY	Browse
	Long query time (milliseconds): 30000	
	Log ODBC driver statistics to the log file:	
	C:\Lloom\ADMINI~1\AppData\Loop\\Tomp\STATS	-

Deactivate all options and click **Finish** to finalize the creation of the connection.

Image 14: Settings for ODBC connection

The window below offers the option to test the data source:

ODBC Microsoft SQL Server Setup	×
A new ODBC data source will be created with the following configuration:	
Microsoft SQL Server Native Client Version 11.00.6540 Data Source Name: HeliosBauteil Data Source Description: Server: (local) Use Integrated Security: No Database: HELiOS Language: (Default) Data Encryption: No Trust Server Certificate: No Multiple Active Result Sets(MARS): No Mirror Server: Translate Character Data: No Log Long Running Queries: No Log Driver Statistics: No Use Regional Settings: No	
Use ANSI Null, Paddings and Warnings: Yes	~
Test Data Source OK Cancel	

Image 15: Data Source Test

After successful testing, the creation can be closed with OK. The ODBC Data Source Administrator can now be closed as well.

SQL Server ODBC Data Source Test	\times
Test Results	
Microsoft SQL Server ODBC Driver Version 11.00.6540	-
Running connectivity tests	
Attempting connection Connection established Verifying option settings Disconnecting from server	
TESTS COMPLETED SUCCESSFULLY!	
,	
ОК	

Image 16: Test completed

7 Establish HELiOS Connection

Finally, the name of the previously defined data source must be entered. For this, open DB Manager with Windows Search and switch to the tab **Connections**:

😻 HeliosDbManager		×						
General Export Import	Conversion Update Connections Tools							
Database server: MSSQL								
Character set of database s	Character set of database server: C Unknown C OEM @ ANSI							
Connection to master of	lata database							
Computer data source	HeliosBauteil							
User name / Data view	hicad							
Password	*****							
Connection to BOM da	tabase							
Computer data source	HeliosBauteil							
User name / Data view	hicad							
Password	****							
Connection to plot mar	nager database							
Computer data source	HeliosBauteil							
User name / Data view	hicad							
Password	****							
Check code page	Check connection Save connection							
ОК	Cancel Apply Help							

Image 17: DB Manager

Important notes on the DB Manager:

Please note the setting for **Character set of database server:** here, **ANSI** must be activated. Then, tick the checkbox **Connection to master data database** and enter the previously defined name of the ODBC data source in the **Computer data source** field, **hicad** in the **User name** field and the password. The setting options for the connection to plot manager database are there for historical reasons only and therefore of no relevance.

Click Save connection to save your settings, then close the DB Manager with OK.

All steps required for the installation are now completed. You can now start HELiOS.





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