

# Software Installation





# **Computerised Lubrication System**

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## **1 SYSTEM REQUIREMENTS**

Microsoft Windows 7 – Service Pack 1 Alt. Microsoft Windows 8



# 2 INSTALLATION

You must be logged in as Administrator on the computer before you start the installation.

The installation of LubeRight is carried out in five steps:

- 1. Copy the files from the DVD to the hard drive.
- 2. Installation of the database.
- 3. Configuration of the database.
- 4. Connect the database to LubeRight.
- 5. Installation of Microsoft Access Runtime.

The five steps are described below.

#### 2.1 Copy the Files

Create a new folder with the name LubeRight on the local disc (C:). Copy all the files and folders from the DVD to the new folder.



Figure 1, Contents of the folder LubeRight



## 2.2 Installation of the Database

#### This installation can be made on the local PC or on a server.

Start the installation program SQLEXPRWT\_x86\_ENU



Figure 2, The installation program SQLEXPRWT\_x86\_ENU

Choose New SQL Server installation

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📸 SQL Server Installation Center	
Planning Installation Maintenance Tools Resources Options	New SQL Server stand-alone installation or add features to an existing installation           Launch a wizard to install SQL Server 2012 in a non-clustered environment or to add features to an existing SQL Server 2012 instance.           Image: SQL Server 2012 instance.           Image: SQL Server 2015, SQL Server 2008 or SQL Server 2008 R2           Launch a wizard to upgrade SQL Server 2005, SQL Server 2008 or SQL Server 2008 R2 to SQL Server 2012.
	- · ·
SQL Server 2012	

Figure 3, Installation 1

🐮 SQL Server 2012 Setup	Land - court's court's line William	
Setup Support Rules		
Setup Support Rules identify pr corrected before Setup can con	oblems that might occur when you install SQL Server Setup support files. Failures must be inue.	
Setup Support Rules	Rule check in progress	<u>R</u> e-run
	OK	Cancel

Figure 4, Installation 2

Accept the licence terms and click Next

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Figure 5, Installation 3

🚼 SQL Server 2012 Setup		10 Sec. 1	
Product Updates	pdates to enhance your SQL Serve	r security and performance.	
License Terms Product Undates	☑ Include SQL Server proc	luct updates	
Install Setup Files	Name	Size (MB)	More Information
instant secup times	SQL Server 2012 SP1 GDR	Setup 22	KB 2793634
	Read our privacy statemen Learn more about SQL Sen	t online ver product updates	
		l	< <u>B</u> ack <u>N</u> ext > Cancel

#### Figure 6, Installation 4



🃸 SQL Server 2012 Setup	- 17		
Install Setup Files			
SQL Server Setup will now be update will also be installed.	installed. If an update for SQL Server	Setup is found and specified to be included, the	
License Terms			
Install Setup Files	SQL Server Setup files are being in	stalled on the system.	
	Task	Status	
	Install Setup files	In Progress	
		< <u>B</u> ack Install	Cancel

Figure 7, Installation 5

Let the proposed features be checked. Click Next



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#### Accept the Named instance SQLExpress. Click Next

📸 SQL Server 2012 Setup					
Instance Configuration Specify the name and instance	I ID for the instance of SQL	Server. Instance	ID becomes part of t	he installation path.	
Setup Support Rules Feature Selection Installation Rules	<ul> <li><u>D</u>efault instance</li> <li><u>Na</u>med instance:</li> </ul>	SQLExpress			
Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress	Instance ID: Instance root directory: 	SQLEXPRESS C:\Program File	es (x86)\Microsoft SQ s (x86)\Microsoft SQ	L Server\ L Server\MSSQL11.SQ	LEXPRESS
Complete	Installed instances:	instance ID	Features	Edition	Version
			< Back	Next > Can	cel Help

Figure 9, Installation 7

#### **Click Next**

Specify the service accounts and collation configuration.         Setup Support Rules         Feature Selection         Installation Rules         Installation Gonfiguration         Disk Space Requirements         Service Configuration         Database Engine Configuration         Database Engine Configuration         Retro Reporting         Installation Progress         Complete	QL Server 2012 Setup				
Service Accounts Collation Service Account Name Pass Startup Typ SQL Service Account Name Pass Startup Typ SQL Server Database Engine NT Service\MSSQLSSQLEXPRESS Automatic SQL Server Browser NT AUTHORITY\LOCAL SERVICE Disabled Disa	Specify the service accounts and	collation configuration.			
eature Selection nstallation Rules nstance Configuration Service Account Name Pass Startup Tyr SQL Server Database Engine NT Service\MSSQLSSQLEXPRESS Automatic SQL Server Browser NT AUTHORITY\LOCAL SERVICE Disabled nstallation Configuration Rules nstallation Progress Complete	tup Support Rules	Service Accounts Collation			
Instance Configuration     Service     Account Name     Pass     Startup Tyr       SQL Server Database Engine     NT Service\\MSSQLSSQLEXPRESS     Automatic       SQL Server Browser     NT AUTHORITY\LOCAL SERVICE     Disabled	ature Selection stallation Rules	Microsoft recommends that you	use a separate account for each SQL Sen	ver service	
Sight Space Requirements       SQL Server Database Engine       NT Service\MSSQLSSQLEXPRESS       Automatic         Server Configuration       SQL Server Browser       NT AUTHORITY\LOCAL SERVICE       Disabled         Database Engine Configuration Rules       Installation Configuration Rules       Installation Progress       Scomplete	stance Configuration	Service	Account Name	Pass	Startup Type
SQL Server Browser     NT AUTHORITY/LOCAL SERVICE     Disabled	sk Space Requirements	SQL Server Database Engine	NT Service\MSSQL\$SQLEXPRESS		Automatic 💌
batabase Engine Configuration rror Reporting nstallation Configuration Rules nstallation Progress complete	rver Configuration	SQL Server Browser	NT AUTHORITY\LOCAL SERVICE		Disabled 🔻
rror Reporting hstallation Configuration Rules hstallation Progress complete	tabase Engine Configuration				·
nstallation Configuration Rules nstallation Progress iomplete	or Reporting				
omplete	stallation Configuration Rules				
iomplete	stallation Progress				
	mplete				
< Back Next > Cancel H			< Back Next >	Cance	Help

Figure 10, Installation 8



Choose Mixed Mode Set the password to: Assalub123 Click Next

Specify Database Engine authe	tication security mode, administrators and data directories.	
ietup Support Rules ieature Selection nstallation Rules nstance Configuration Disk Space Requirements ierver Configuration <b>Database Engine Configuration</b> irror Reportino	Server Configuration Data Directories User Instances     Specify the authentication mode and administrators for the Data     Authentication Mode     Windows authentication mode     Mixed Mode (SQL Server authentication and Windows authent     Specify the password for the SQL Server system administrator (si	abase Engine. stication) a) account.
nstallation Configuration Rules nstallation Progress Complete	Enter password: Confirm password: Specify SQL Server administrators	
	ASSALUB\niklas (NIKLAS)         Add Current User         Add Current User         Add The specified sa password does not meet strong password r	SQL Server administrators have unrestricted access to the Database Engine.

Figure 11, Installation 9

#### Click Next

1 SQL Server 2012 Setup					
Error Reporting	Error Reporting				
Help Microsoft improve SQL Se	erver features and services.				
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements	Specify the information that you would like to automatically send to Microsoft to improve future releases of SQL Server. These settings are optional. Microsoft treats this information as confidential. Microsoft may provide updates through Microsoft Update to modify feature usage data. These updates might be downloaded and installed on your machine automatically, depending on your Automatic Update settings.				
Server Configuration Database Engine Configuration	See the Microsoft SQL Server 2012 Privacy Statement for more information.				
Error Reporting Installation Configuration Rules Installation Progress	Read more about Microsoft Update and Automatic Update.				
Complete	only applies to services that run without user interaction.				
	< <u>B</u> ack <u>Next</u> > Cancel Help				

Figure 12, Installation 10

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📸 SQL Server 2012 Setup		 -		- • ×
Installation Progress				
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Install_DotNetKB2544514_Cpu64_Action			
		Next >	Cancel	Help

Figure 13, Installation 11

#### **Click Close**



Figure 14, Installation 12



### 2.3 Configuration of the Database

Start the SQL Server Configuration Manager.



Figure 15, Configuration 1

Right click on TCP/IP and select properties.

🔚 Sql Server Configuration Manager		International Conference (INC)
File Action View Help		
🗢 🄿 🖄 🗐 📾 🛛		
🕵 SQL Server Configuration Manager (Local)	Protocol Name	Status
SQL Server Services	🗿 Shared Memory	Enabled
SQL Server Network Configuration (32bit)     Brotocole for SQL EVDRESS	🕷 Named Pipes	Disabled
E FIOLOCOIS TOT SQLEAF RESS	TCP/IP	Disabled
SQL Native Client 11.0 Configuration (32)		Enable
		Disable
		Properties
		Help

Figure 16, Configuration 2



At protocol tab: Set Yes at Enabled.

TCP/IP Properties	2 ×
General	Ver
Enabled Keep Alive	20000
	Vec
LISCEILAII	105
Enabled	
Enable or disable TCP/IP pr	otocol for this server instance
ОК	Cancel Apply Help

Figure 17, Configuration 3

Open the IP Addresses tab At IP All: Set the TCP Port to 1433

TCP Dynamic Ports shall be empty

Klick OK

	TCP Dynamic Ports		0	
	TCP Port			
Ξ	IP8			
	Active		Yes	
	Enabled		No	
	IP Address		169.254.80.48	
	TCP Dynamic Ports		0	
	TCP Port			
Ξ	IP9			
	Active		Yes	
	Enabled		No	
	IP Address		fe80::99c9:9b65:de8c:23ac%12	
	TCP Dynamic Ports		0	
	TCP Port			_
Ξ	IPAII			-
	TCP Dynamic Ports			=
	TCP Port		1433	-
-				
10	PPOR			
т	.P port			

Figure 18, Configuration 4



Klick OK



Figure 19, Configuration 5

Make sure that the TCP/IP is Enabled, if not right click and press Enable.



Restart the service



Figure 21, Configuration 7

Close the SQL Server Configuration Manager.



#### Start SQL Server Management Studio



Figure 22, Configuration 8

If the program is not to be installed on the local PC or you want another Server name copy or write down the Server name you choose, it will be used later. If the Server name is <Computer name>\SQLEXPRESS (in Figure 23 below <Computer name> = NIKLAS) you don't need to write it down.

**Click Connect** 



Figure 23, Configuration 9



Right click sa at Security/Logins and select properties



Figure 24, Configuration 10

Make sure that Grant and Enabled are selected in the Status section.



Figure 25, Configuration 11

Close the SQL Server Management Studio



## 2.4 Install LubeRight on the local PC.

Start the installation program LubeRight.NET Setup. This shall always be run on the local PC.

						x
<b>€</b>	OS (C:) ► LubeRight	•	Söl	k i LubeRight		Q
Ordna 🔻 In	kludera i bibliotek 🔻	Dela med 🔻	Bränn	Ny mapp	-	0
<ul> <li>Favoriter</li> <li>Hämtade</li> <li>Skrivbord</li> <li>Tidigare p</li> <li>Bibliotek</li> <li>Bilder</li> <li>Dokument</li> <li>Filmer</li> <li>Musik</li> <li>Dator</li> <li>OS (C:)</li> </ul>	filer latser = LubeRig Set	ht.NET SQLEX	PRWT_x86_ ENU			
2 ob	vjekt					

Figure 26, LubeRight installation 1

Click Next.





Figure 27, LubeRight Installation 2

Select "Create new database (or replace existing)" unless you have a LubeRight.NET database already. Click Next.

명· Setup - LubeRight.NET	
Database alternatives Create new or upgrade existing database	
Please specify if you want to create a new database or use one that alro Create new database (or replace existing) Use existing (will be upgraded if needed)	eady exists
< Back Next >	Cancel

Figure 28, LubeRight Installation 3

#### **Click Next**



Figure 29, LubeRight Installation 4



Type in the correct Passwords. Database administrator credentials Password is: Assalub123 Application credentials Password is: assalub

If the database is installed on the local PC and you didn't change the Server name you don't need to change Server, otherwise you need to enter the Server name chosen.

Click Commit.

🖳 LubeRight.NET Databa	ase administration	x
Connection details		
Server: (local)\SQL	EXPRESS Database: LubeRightNET	-
Database administrator c	redentials	
Login: sa	Password: ••••••• Windows authentication	
Application credentials		
Login: assalub	Password: assalub Database user: assalub	
Connection string Connection string: Se	erver=(local)\SQLEXPRESS;Database=LubeRightNET;Uid=assalu	
Create Database Create database Create server login Create database us Create database us Create tables Create procedures Commit	Please fill in the information above, select what to create and then click the Commit button. The connection string should be validated by klicking the Test button, after which it can be saved to an existing config file by klicking the Save button. Warning! By committing one or more of the Create selections to the left, any already existing database items will be removed before being created.	
	Done	e

Figure 30, LubeRight Installation 5



Click OK.



Figure 31, LubeRight installation 6

#### Click Done.

LubeRight	t.NET Da	tabase adm	ninistration			
Connection	details					
Server: (local)\SQLEXPRESS					Database:	LubeRightNET
Database a	administrat	tor credential	s			
Login:	sa		Password:	•••••	Window	vs authentication
Application	credentia	ls				
Login:	assalub		Password:	assalub	Database user:	assalub
Connection	string					
Connectio	n string:	Server=(loo	al)\SQLEXPF	RESS:Database=Lu	ubeRightNET;Uid=ass	alu Test
	-					Save
Upgrade Da	atabase					
Please fill	in the info	mation in th	e 'Database a	dministrator		
credential button to	s' section upgrade t	and then cli o the latest v	ck the 'Commi version.	t upgrades'		
Latest database version: 19						
Current database version: 1.0						
Commit upgrades						
Detelesso						
Database successully upgraded to version 1.1 Database successully upgraded to version 1.2						
Database successully upgraded to version 1.3 Database successully upgraded to version 1.4						
Database successully upgraded to version 1.5						
Database successully upgraded to version 1.6						
Database successully upgraded to version 1.7						
Database successuity upgraded to version 1.8 Database successuity upgraded to version 1.9						
Database is at the latest version						
						Done
	_					

Figure 32, LubeRight installation 7



#### Click Finish.

🔁 Setup - LubeRight.NET	
	Completing the LubeRight.NET Setup Wizard Setup has finished installing LubeRight.NET on your computer. The application may be launched by selecting the installed icons. Click Finish to exit Setup.
	Finish

Figure 33, LubeRight installation 8



# **3 START UP**

You find the LubeRight.NET program under the start button – All programs – folder LubeRight.NET.



Figure 34, LubeRight.exe



Figure 35, The LubeRight.NET program



Before the grease meter can be used the drivers for it must be installed. This is simply done by connecting the grease meter to a USB port and turn it on. Wait for the system to declare the installation to be complete.



Figure 36, Program settings





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