QMSOFT® Manual - Installation

Release 8.1

L&W Gesellschaft für Fertigungsmesstechnik und Qualitätssicherung mbH

Jun 12, 2025

Contents

QMSOFT®-Installation/Configuration

1.1 Introduction

This section should help you to answer questions, that might arise before or during the installation of the QMSOFT® software, to avoid unnecessary expense and inappropriate configuration settings from the outset.

The following minimum requirements for the used computer technology exist for a proper function of QMSOFT® software:

- CPU-frequency 1,5 GHz or higher; RAM 4 GByte or more
- at least 10 GB free space on the harddisc
- DVD-ROM-drive (for installation only)
- screen resolution at least 1280 x 1024, 32-bit color depth
- 1 free USB-port for the CodeMeter®-stick (copy protection hardware for license handling)
- network connection, at least 100 MBit bandwith
- printer (laserprinter is recommended)
- operating system: Windows 7 or later

Unfortunately, we cannot guarantee the functionality of the software on older operating systems such as Windows XP or on those computer systems that do not meet the minimum requirements listed above.

Here are some additional tips if QMSOFT® is to be used in a professional client/server environment, as the performance and hardware characteristics of the database server and the network infrastructure influence the overall system:

- QMSOFT® assumes that the network infrastructure is correctly configured so that the system can stand on a solid foundation.
- The database server should use a real server operating system with professional server hardware; this is the only way to achieve good performance and professional reliability of the overall solution.
- The backup of the server system should be professionally decorated and maintained.

- In our experience, the processor speed and the number of CPU cores are less important for the performance of QMSOFT®; we recommend using the fastest possible hard disk system for the database server, as this has the greatest influence on the response time of the database.

- The server's RAM should be as large as possible because the SQL Server software stores parts of the database content in RAM, thus requiring fewer hard disk accesses.

- The usable bandwidth of the network should have sufficient free reserves; with a 2 Mbit/s line, you cannot expect reasonable response times from the system.

For QMSOFT® on a single computer environment there are similar aspects (hard drive, memory, processor) in milder form.

1.2 Which kind of installation is required?
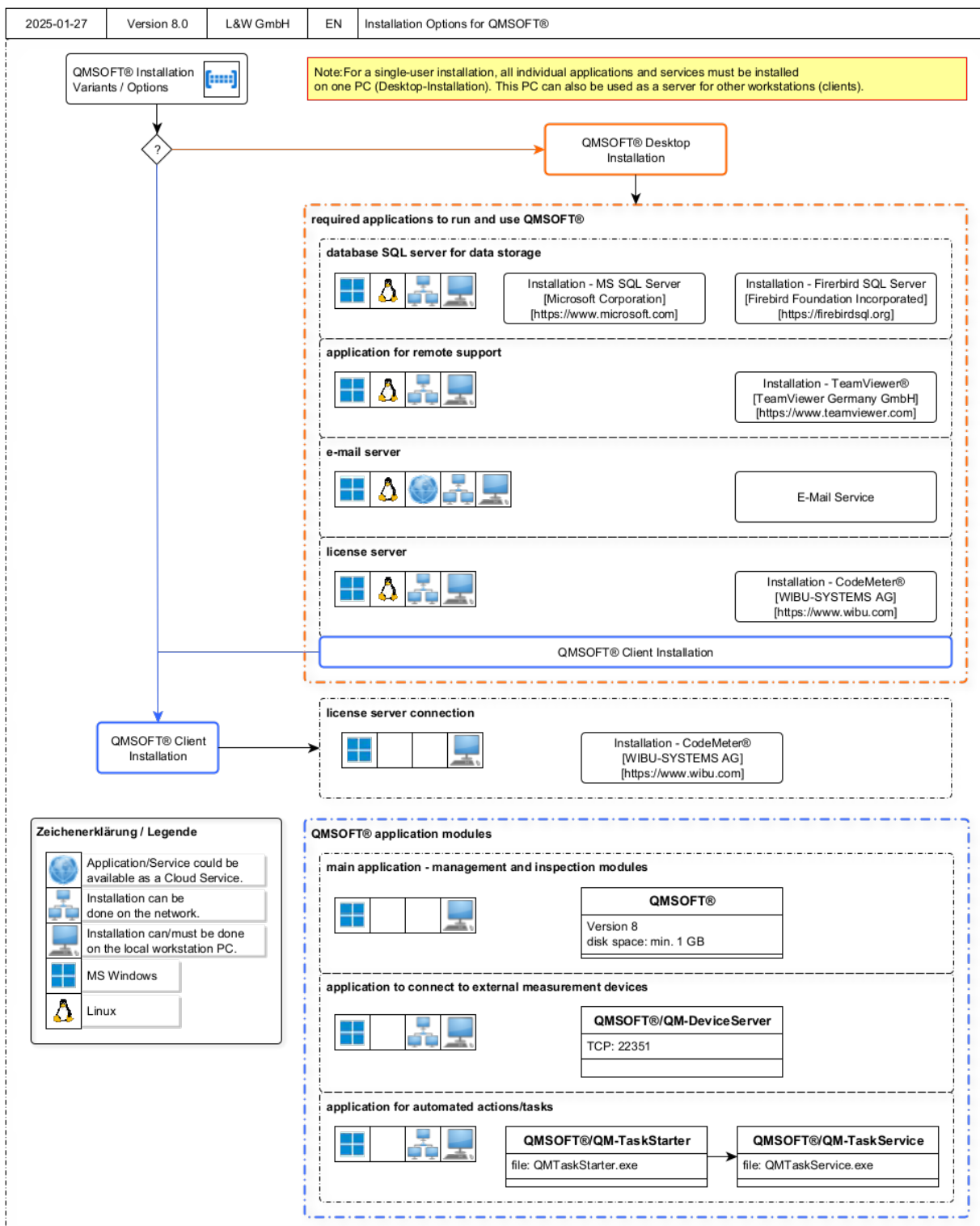
Fig. 1.2.1: QMSOFT® Applications and Installation Options.

The following comments should help to select the optimum type of the installation. Therefore, refer to the following sections carefully.

> ℹ **Note**
>
> If you are not sure about your decision, please contact your IT-department before you execute the installation to avoid trouble and problems!

The QMSOFT® software package is delivered on a DVD-ROM or USB-storage-medium. The installation procedure starts automatically, if the "auto start"-property of the DVD-ROM-drive is enabled. If the installation does not start automatically, please execute the program file `StartQmsoftCD.exe` manually. After starting the installation procedure, you will see the following window [Fig. 1.2.2] on the screen, which offers buttons for the different possible installation variants:

Fig. 1.2.2: Selection of the type of installation

The program system QMSOFT® is general using a database to store all information which is required for the configuration and/or customising the QMSOFT® applications. The QMSOFT® system is designed as a so-called Client/Server-system where QMSOFT® is working as the "Client", which all of the user interactions (inputs, database queries etc.) transfers to the "SQL-database-server" for execution. This "SQL-database-server-software" can run either on the local desktop-computer or on a server-computer in the network.

The choice of QMSOFT® desktop installation or QMSOFT® client Installation depends from the decision, where the database file should be stored: on the local PC or on a central server in the network.

> ⚠ **Warning**
>
> If you use an older version of QMSOFT® gauge management with the Firebird SQL server, so be sure that your existing Firebird installation is updated (at minimum the Firebird version 2.5.x is required)!

To install QMSOFT® you have two choices:

- **QMSOFT® - Desktop-Installation**

Select this option in this case, that you want to work with QMSOFT® on a single workplace only AND at the same time that the database will be stored locally on your PC. If one of the two conditions NOT met, select the QMSOFT® - Client-Installation!

- **QMSOFT® - Client-Installation**

  Do you want to install more than one workplace in a network OR do you want to have a central database on a network server (also for a single workstation), select this installation option. If both of these conditions are NOT satisfied, so choose the QMSOFT® - Desktop-installation!

The other installation features are the following:

- **English** and **Deutsch**

  With this buttons you can visualize the English or the German context-sensitive help function.

- **PDF**

  By clicking onto this button you can open a Windows-Explorer-window, which shows the content of the folder of the delivery storage medium with the PDF-manuals in different language versions.

- **TeamViewer**

  if you click the "TeamViewer" button the L&W TeamViewer client will start; this will enable a direct access for the L&W service to your PC to get support for the installation.

- **Firebird-SQL-Server**

  This option does install the SQL Database Server "Firebird" only! The QMSOFT® software does use the Firebird Database server as the default SQL database server. This option does not install any other QMSOFT® component. Use this option to install the Firebird SQL Server on the server machine, where you want to place your database files for a shared access from different client PC's.

- **CodeMeter®-driver**

  This selection is installing the hardware driver for the CodeMeter®-stick (a copy-protection and license management hardware). This feature is needed in this case, that the CodeMeter®-hardware should be used on a central server machine in the network (the feature should be executed on the "server" machine only, the QMSOFT® - Desktop- and the QMSOFT® - Client-installation include the driver-installation automatically).

- **Browse**

  By clicking onto this button you can open a Windows-Explorer-window to see the content of the QMSOFT® delivery storage medium.

To install the QMSOFT® applications only without dongle driver and SQL Server, you can run the file `Setup.exe` from the "Setup"-folder of the installation medium. In this case command line parameter "/S" is switching to a so-called "*Perform a Silent Installation*" (an installation process without any further user inputs).

1.3 Installation Process

After clicking one of the buttons "QMSOFT® - Client-Installation" or "QMSOFT® - Desktop-Installation" the installation starts with loading and decompressing the installation kit. This needs a short time (may be because of virus scanning processes), please wait.

1.3.1 Step 1 - CodeMeter® Runtime Kit

Immediately after starting the installation procedure the installation of the "CodeMeter® Runtime Kit" is performed. This software is needed to access the copy protection hardware (CodeMeter® stick). Use the `Next` buttons to go forward through the dialogues, the requests for "Name" and "Organisation" you can ignore, this details have no relevance for installing the QMSOFT® package.

1.3.2 Step 2 - Firebird SQL Server

In case of a "QMSOFT® - Desktop-Installation", now the "Firebird SQL Server" installation is executed (for a "QMSOFT® - Client installation" this installation step is not included on the client side, here the Firebird has to be installed on the server-machine, this is a separate step). Confirm all default settings of the installation routine.

The Firebird SQL Server is started automatically and without a restart the operating system, he is running as an "invisible" service.

Do you have an already installed and running Firebird SQL Server on your computer, the installation process will be aborted with a corresponding notice. In this case please stop the Firebird service with the help of the Windows Task Manager, and then start the QMSOFT® installation again.

> ⚠ **Warning**
>
> When installing the current Firebird version 4.xx, you will be asked for a user name and password during installation. If you leave this blank, the **default settings "SYSDBA" and "masterkey" for user and password** will be used. Unless you are using the default settings, be sure to be careful with your information. These will be needed again later with "*Step 3 - Database connection*".

1.3.3 Step 3 - QMSOFT® Setup

Now the QMSOFT® installation procedure `Setup.exe` starts, at first it requests the dialogue language for the following installation process. We will proceed with the determination of the directory, in which the QMSOFT® program files will be stored. In most cases this will be the folder "QMSOFT" in the Windows program directory `C:\Programme files(x86)\QMSOFT`.

Change the destination directory only in this case, that there are compelling reasons (e.g. specifications of the IT department), you help us immensely to handle the QMSOFT®-support!

The installation process will continue in the usually way with a progress bar as an indicator for the required/the remaining time. The `Finish` button after completing the process is finnishing the QMSOFT® installation procedure.

Now, if the corresponding function is selected in the "Finish" dialogue of the installer (which is the default), the launcher QMSOFT®/GaugeMan is called immediately, which is the central entry point in the QMSOFT®-system (an icon for easy access was generated on the desktop). For an initial installation, the launcher detects this automatically and will activate a configuration assistant to make some basic settings for the QMSOFT®-system.

1.4 Installation in a Network

These options are available to centralize services and / or data in a network:

- use a central CodeMeter®-stick for the license management to get the feature of "Floating licenses",
- connect the local QMSOFT®-installations on all client computers to a central database server.

The following chapters provide a few tips to avoid installation errors to minimize the need for manual adjustment of parameters.

> **ⓘ Note**
>
> As an alternative to a CodeMeter USB stick, licensing can also be done via a software-based CmAct license. The following instructions for the CodeMeter setup are equally valid in this case!

1.4.1 CodeMeter® stick on a server

When installing multiple QMSOFT® workplaces in a network usually only one CodeMeter®-stick is used, which is managing the license information for all workplaces. In this case, the CodeMeter®-stick for each licensed program contains the maximum number of concurrent uses. This has the advantage, that all licensed QMSOFT®-programs can be used without a firm commitment to a particular workplace computer as a so-called "floating license" for the user. In contrast to the single-user license it is useful for a network to connect the CodeMeter®- stick to a central server.

To install the CodeMeter®-stick on a "server" proceed as follows:

- Install the CodeMeter®-driver on the server machine, where the dongle as a network provided CodeMeter®-stick is connected (insert QMSOFT®-DVD, after starting the QMSOFT® installation procedure click onto the "dongle driver"-button in the main form),
- Start the "CodeMeter® Control center" on the dongle server (see CodeMeter®-icon in the system tray in the lower right corner of the desktop screen in the Windows taskbar [Fig. 1.4.1])
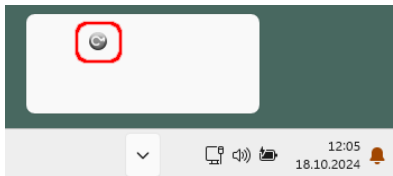

Fig. 1.4.1: CodeMeter®-icon in the system tray.

- In the CodeMeter® control center click now the "WebAdmin"-button to start your internet browser, which provides you the access to the dongle configuration settings
- Select the item *Configuration* from the upper menu, now the item *Server → Server access* from the sub-menu, set the item NETWORK SERVER to enable and click to the button Apply to activate it [Fig. 1.4.2]. Exit the browser and start the "CodeMeter control center" again.
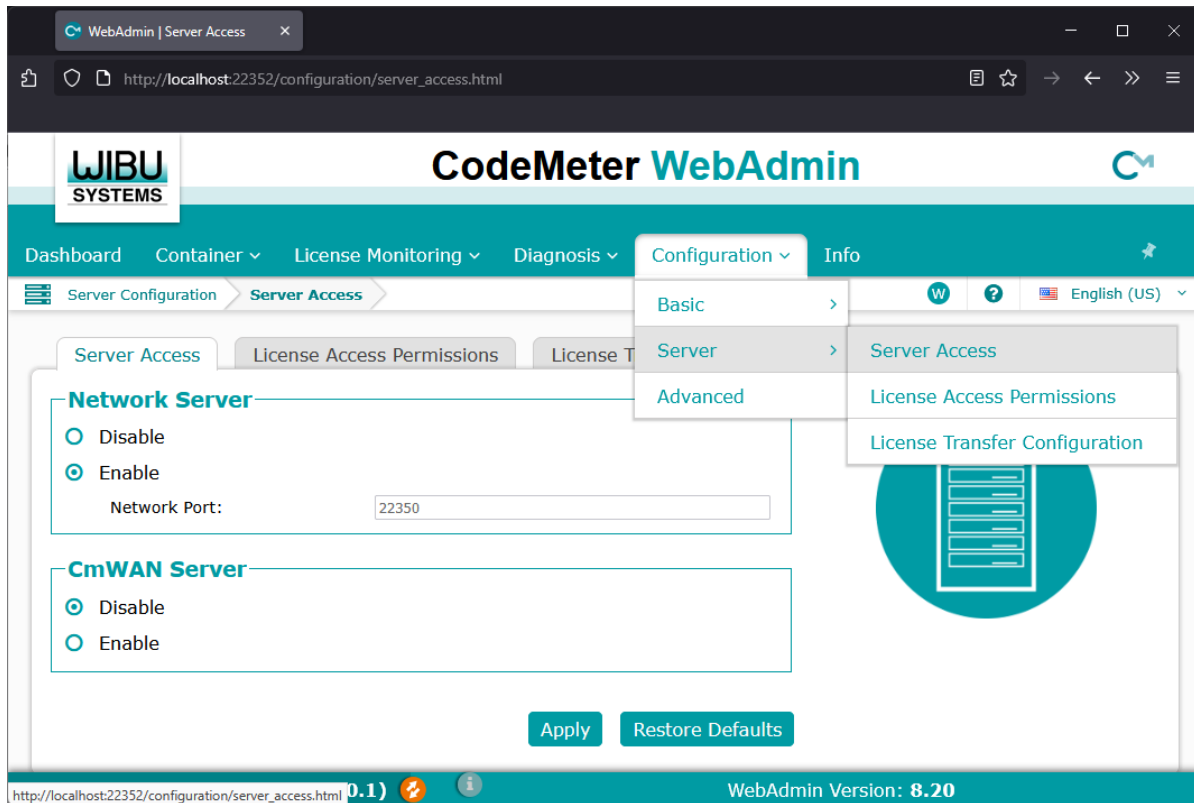
Fig. 1.4.2: CodeMeter® WebAdmin.

> **ⓘ Note**
>
> Communication between protected applications and CodeMeter License Server (runtime) is based on the TCP/IP protocol. The communication default port is 22350 unless the port has been configured differently in CodeMeter WebAdmin.
>
> If a firewall is active on your computer, you must **open port 22350 for TCP and UDP**. If your firewall filters the traffic using the application name, you must unblock the CodeMeter License Server service `CodeMeter.exe`. You can find the application in the directory `%Program Files (x86)%\CodeMeter\Runtime\bin`. For your firewall define the `CodeMeter.exe` service as exception.
>
> Please note also that some anti-virus programs feature firewall functions. If you are uncertain, please contact the relevant vendor.

The configuration of all of the QMSOFT® client PC's does now require only the setting of the "CodeMeter® access mode" to "network" and the entering of the name of the CodeMeter® server computer.

If there are problems on the client side, you can check the communication with the central CodeMeter®-stick by doing the following steps:

- start the "CodeMeter® control panel" on the local computer, click onto the button "WebAdmin",

- Select the item "Configuration" from the upper menu, now the item "Basic" from the sub-menu, type in into the field "Server Search List" the IP-address (or the network-name) of the computer, to which the CodeMeter-Stick is connected, click onto the button "Apply".

- Check the dongle access by clicking onto menu item "Container" in upper menu, onto button "Host name" and

by selecting the computer from the list. Now click onto menu item "Server" to see an overview over all of the licenses, which are programmed into the dongle [Fig. 1.4.3].
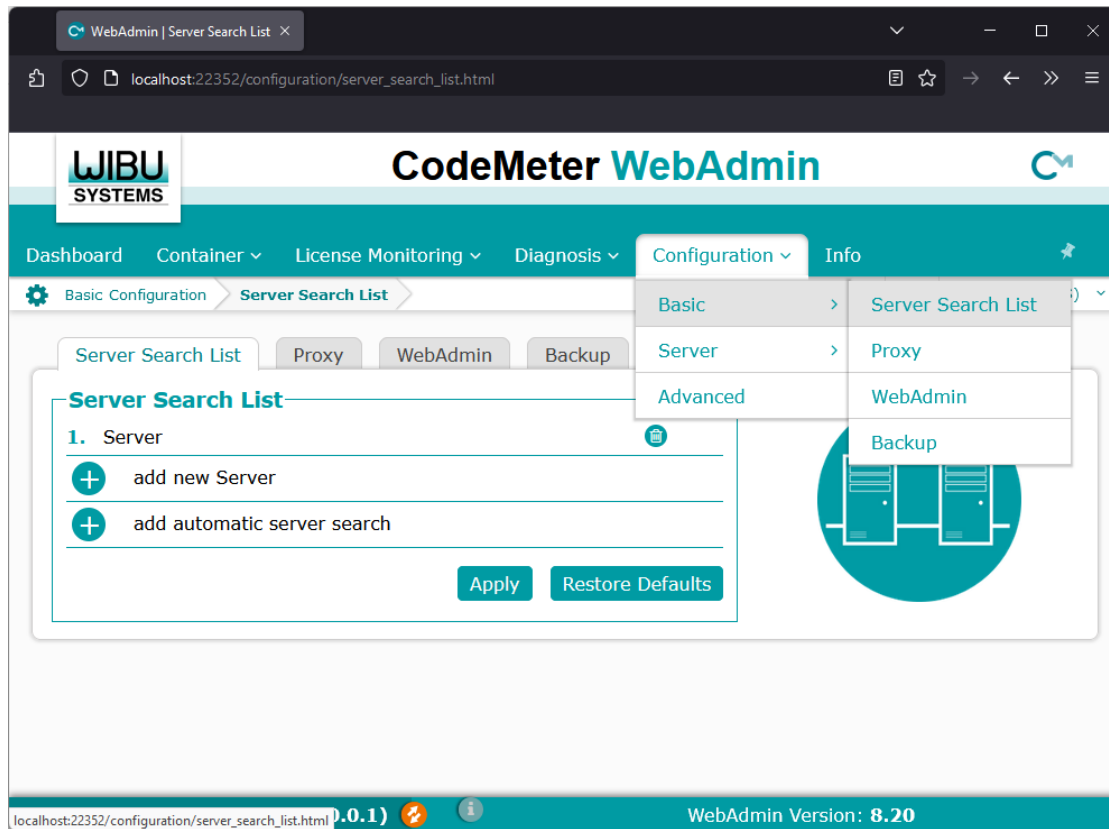

Fig. 1.4.3: CodeMeter®-WebAdmin - Change Server.

> ℹ **Note**
>
> Make sure that in the server search list appear only such names or IP addresses of computers, that are actually used as CodeMeter® license server, otherwise you may experience significant delays in accessing the licenses! Remove obsolete entries, which were caused by changing the server machine for example.

1.4.2 Central database server in a network

You must decide which of the SQL server types supported by QMSOFT® you want to use. Firebird SQL Server is a free open source product, alternatively you can use MS SQL Server, where you have to pay a fee for each client license and which is not part of the QMSOFT® installation package [Fig. 1.4.4].
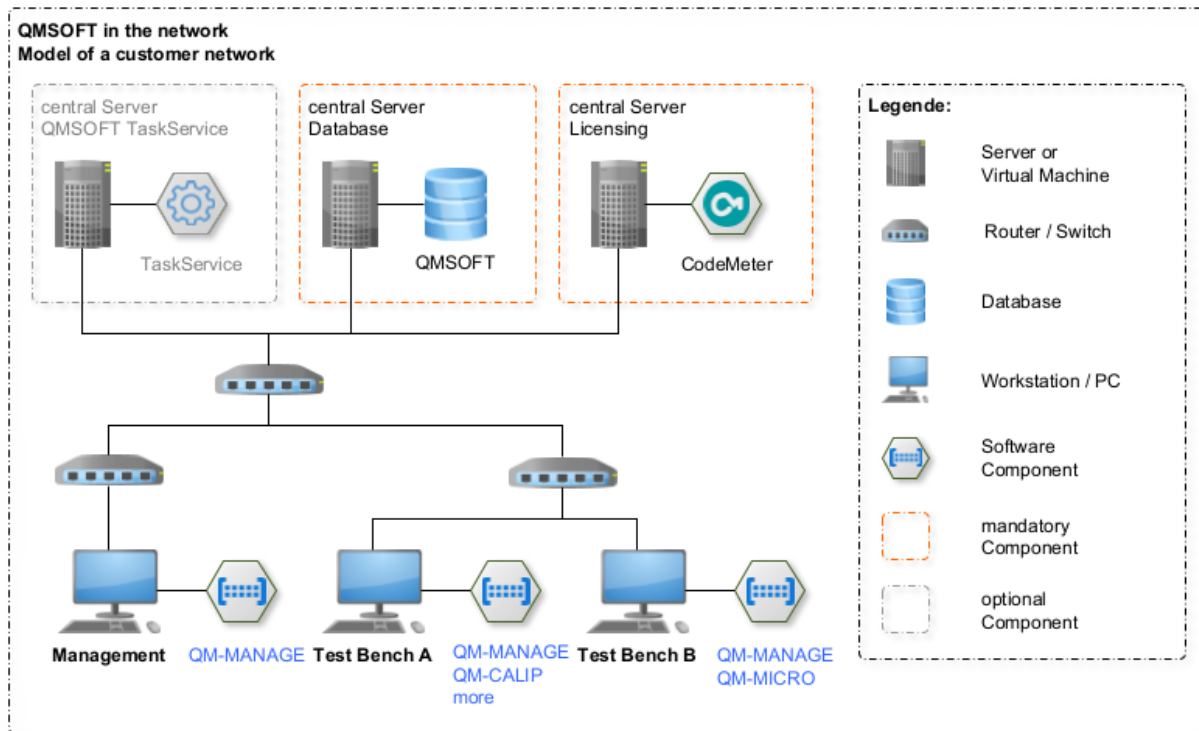

Fig. 1.4.4: Central SQL server, local QMSOFT® clients.

For both SQL Server types, the following points has to be observed.

1.4.2.1 Firebird SQL Server

- on the server machine and on all of the QMSOFT® clients the TCP/IP-port 3050 has to be opened in the Windows Firewall

- the Firebird SQL Server version must be at least version 2.5 (which is a part of the QMSOFT® installation kit)

- Optional: if you want to use the Backup-feature of QMSOFT® also on the local client computer, the Firebird SQL Server also has to be installed onto the local computer, although the central Firebird SQL Server is used.

1.4.2.2 MS SQL Server

- QMSOFT® supports the MS SQL Server versions 2005 and newer,
- the administrator of the SQL server has to create an empty database container with the name "QM-SOFT_SYSTEM"

For authentication for SQL Server access, we recommend the user authorization mode with a separate user login that is assigned the access right "dbo" (dbo = database owner). The empty container (database files, see above) has to be created with this user login.

1.4.3 Use of "profiles" for the installation of multiple workstations

If you have to install more than one QMSOFT®-workplaces you can minimize the number of configuration steps, if you are using so-called profiles, which contains configuration settings:

- database connection and login information
- license information (CodeMeter®-ID# and access information) for the CodeMeter®-stick

To use profiles, you have to execute the following steps:

- **installation of the 1st QMSOFT®-workplace**
  Install the first QMSOFT®-workplace.

- **create a profile data file**
  After starting the launcher QMSOFT®/GaugeMan save the settings with the help of the menu item *Profiles →*
  Export profile into a profile data file (use a folder on the central file-server), be sure to have access to this folder
  from all of the other local computers, which should be used with QMSOFT®.
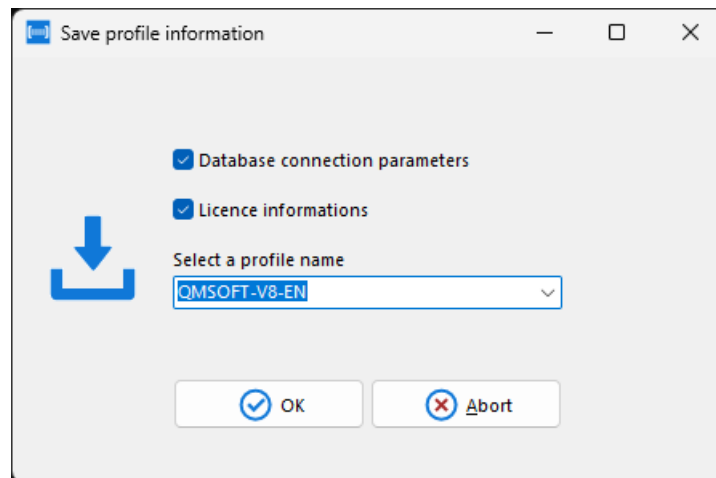
Fig. 1.4.5: Export profile information.

- **installation of all of the other QMSOFT®-workplaces**
  When installing all other QMSOFT® workstations, use the function `Use existing profile`. Enter the name
  and path of the profile file you previously created on the 1st computer. So you use exactly the same settings as
  on the machine on which the profile was previously created.

The "Profiles" feature is also very helpful if you want to switch between different license- or/and database servers.
This is necessary, for example, if you want to use a laptop computer sometimes independently outside the office and
sometimes in the office with access to your network.

1.5 Perform a Silent Installation

In some special cases, it may be necessary to execute a silent installation without any interaction. All of the settings will be declared by command-line parameters. To install all of the needed QMSOFT®-components in this way, you have to execute the following installation procedures:

1.5.1 CodeMeter® Runtime Installation

Start the installation routine `CodeMeterRuntime.exe` from the `Additional/WiBu` directory of the QMSOFT® delivery medium.

The following command line parameters are available:

- **/ComponentArgs "*":"/qn"**

  Switches to "quite" installation mode.

- **/?**

  Shows a listet of all available command line parameters

1.5.2 Firebird SQL Server Installation

Depending on the version of the operating system (32 or 64 bit) you must use the appropriate installation procedure ("*" is a placeholder for the actual Firebird version number, please use the file with the highest version number that you find on the distribution media).

- **32-bit-Windows**

  `Additional/Firebird/Firebird*32.exe`

- **64-bit-Windows**

  `Additional/Firebird/Firebird*64.exe`

The following command line parameters are available:

- **/SILENT**

  Switches to Silent-mode.

- **/DIR="<instdir>"**

  Defines the destination directory.

- **/NORESTART**

  Avoid a re-boot after installation.

- **/COMPONENTS="ServerComponent,ClientComponent,…"**

  Enables the selection of the components, which have to install.

1.5.3 QMSOFT® Installation

Execute the program `Setup/Setup.exe`.

- **/S**

  Switches to silent mode.

- **/IOD**

  Ignores an existing QMSOFT®-folder to install a new QMSOFT®-version in parallel.

- **/D="destination folder"** (has to be the last parameter)

  Defines the destination folder.

Example: `Setup.exe /S /IOD /D=C:\Program Files (x86)\QMSOFT_V8`

1.6 Configuration Assistant

When you call QMSOFT® the first time, a wizard starts automatically and will guide you step by step through some basic settings. Please follow the instructions on the screen. In most cases, we recommend again to accept the default settings unchanged.

The following configuration steps will perform the setup wizard:

- creating (or connecting to) the required databases of QMSOFT®

- input / control of license information

- setting up the connection to a measuring device (is only required, if QMSOFT® inspection programs should be used with such a device).

You can use this wizard at any time again by selecting the menu item *Profiles → Start configuration assistent*.

1.6.1 Step 1 - Select configuration

With the first start of QMSOFT® once will set up a connection to a central database, in which all QMSOFT® should be collected (gauge data, certificate layout templates, settings, records of calibrations etc.). If the database already exists, you can connect to this existing database. In both cases the database connection information is needed [Fig. 1.6.1].
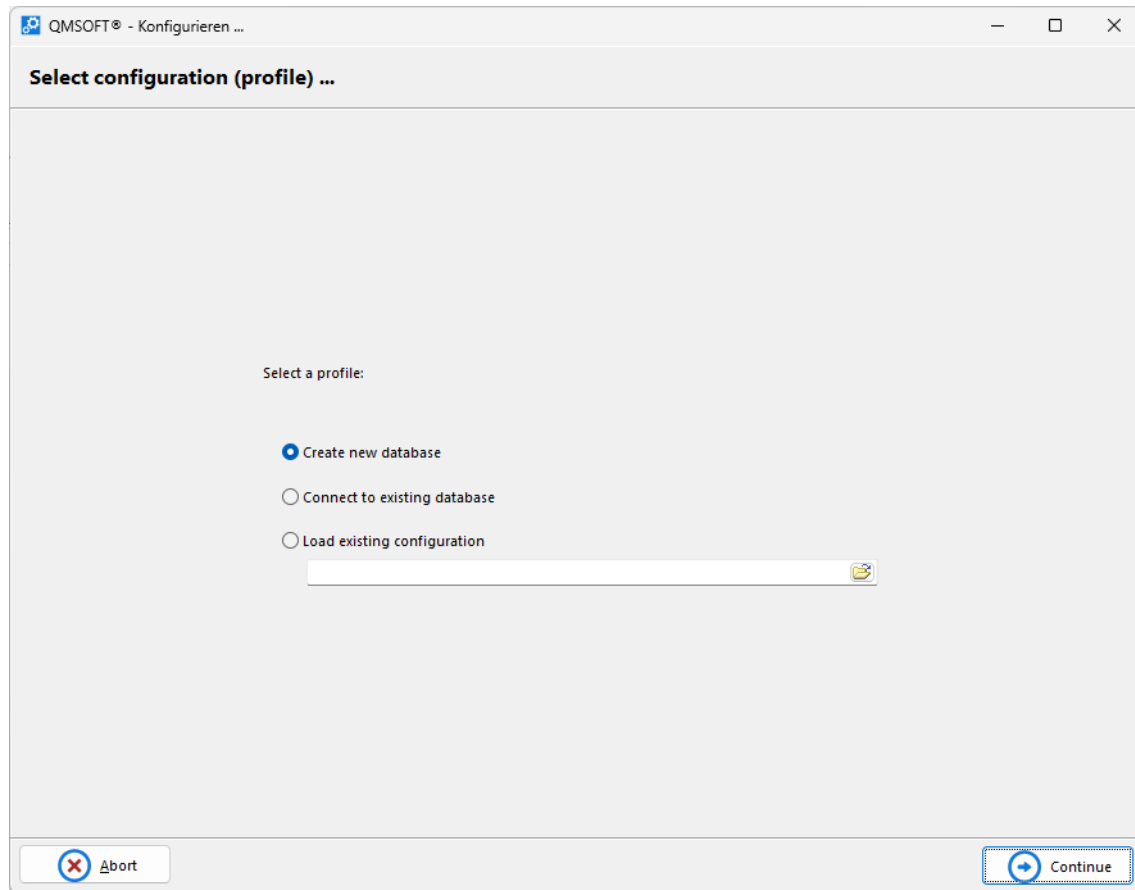
Fig. 1.6.1: Select configuration (profile).

You have the following options:

- **Create new database**

  (default option; used for a local installation or for the 1st workstation in a network)

  A new database with predefined settings, report templates and tolerance tables will be created. The settings for the database connection has to be established in the next configuration step.

- **Connect to existing database**

  (usual option, if you know that a database does already exist)

  This option will usually be used in a network environment, if a database does already exist there OR when installing a program upgrade (in this case please read the special instructions for upgrade installation). In the next configuration step you will enter the settings for the database connection.

- **Load existing configuration**

  (recommended for network installations, 2nd and all of the following computers)

  This option is used for multi-user installations and allows to transfer the configuration of an already installed workstation to the actual workstation. It is usually used only if a database already exists and the configuration has been saved to a file already.

When installing multiple workstations in a network it would be possibly to have some different steps to perform. Please refer to the section "*Special Network Installations*"!

1.6.2 Step 2 - license information

Now the dialogue for entering the QMSOFT® license information is appearing, which you should have received together with a copy-protection hardware (often called as a "dongle"). This copy-protection in the form of a "CodeMeter®-stick" hast to be plugged into a free USB port on the PC (except for several workplaces share a common CodeMeter®-stick in the network). The CodeMeter®-stick was programmed with the license codes you have purchased, therefore you only have to enter your company name and the CodeMeter® ID number [Fig. 1.6.2].

Fig. 1.6.2: Input license number.

> **ℹ Note**
>
> If you do not have a CodeMeter®-stick with a valid QMSOFT®-license, you can operate QMSOFT® as a demo system for testing purposes. In this case please skip entering the license information with the appropriate button.

In case that CodeMeter®-stick is not plugged into the local workstation you have to activate the option "CodeMeter® access mode" to "network" and into the appearing input field "Name of CodeMeter® license server" the name or the IP address of the computer, where the CodeMeter® stick can be found (see also chapter *CodeMeter® stick on a server*).

Use the button `Show licenses` to get an overview of the actual license volumes.

1.6.3 Step 3 - Database connection

If one of the options *Create new database* or *Connect to existing database* was selected in the previous form, now you have to configure the parameters for the connection to the database. If you have used the option *Load exisiting configuration*, the connection parameters of this configuration are used.

Now appears the database connection dialogue as shown below [Fig. 1.6.3]:

Fig. 1.6.3: Database connection form.

The following settings for database creation and database connection you have to define:

- **Type of SQL data base**
  [default: Firebird]
  Currently, the Firebird SQL server (is included in the QMSOFT®-installation) and the Microsoft SQL Server (version 2008 or newer) are supported.

- **Server version**
  [default: 2.5]
  The program QMSoft does support the Firebird versions 2.5.x, 3.0.x and 4.0.x. The Version 2.5.x will be installed as default when you use the "Desktop" installation.

> **ⓘ Note**
>
> The Version 4.0 may cause problems if your computer does not have a network connection!

- **Name of database server**
  [default: local PC]
  Select the computer on which your SQL database server software is installed.

> **ⓘ Note**
>
> When using MS SQL server, you need a local installation of an ODBC driver we recommend to download the OLE DB driver 17 (32bit and 64bit), download here: https://go.microsoft.com/fwlink/?linkid=2187214

- **User and Password (SQL-Server)**

  Normally (if you use the Firebird SQL server) you accept these settings as they are. A change is only required if these settings were changed on the database server or if you use a different database server type (eg MS SQL Server). In this case you have to ask your database administrator to get the login information.

> **ⓘ Note**
>
> Using a MS SQL Server your administrator has to give you a personal access code (User name and Password), which does enable you the creation of a new database ("dbo" rights). If you are using MS-SQL and if you are authorized for access to the MS-SQL server through your Windows Authentication (Administrator rights in MS-SQL for creating new databases are needed), so leave the username and password empty!
>
> If you use Firebird SQL server the standard default login name is "sysdba", the password is "masterkey".

- **Name of QMSOFT® database incl. physical database folder on the database server**

  [default: `C:\ProgramData\QMSOFT\V8\_Databases\QMSOFT_DB.fdb`]

  Please enter the name of the database file including the folder, where the database file should be stored. Use the default settings when installing a local database; otherwise you have to contact your database administrator to get the name of a folder on one of the server-internal hard-disk drives. Please note that the database folder must already exist!

> **ⓘ Note**
>
> If the SQL server installed on a separate computer (usually a server), so this directory is NOT a local directory linked to the workplace or NO network drive, the directory name is ALWAYS seen from the server specified as the local directory! A server-side release of this directory is NOT recommended and is also not necessary to access the SQL server software.

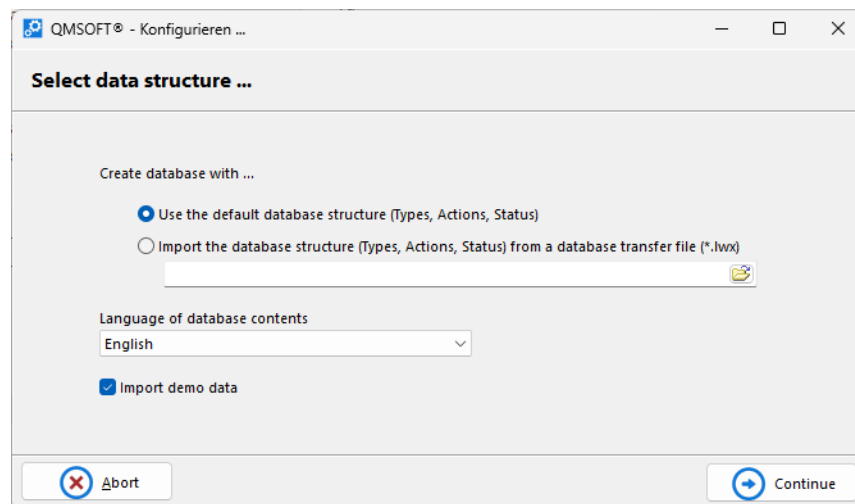If no database exists, the following form appears [Fig. 1.6.4]:

Fig. 1.6.4: Select data structure.

Please setup the following items:

- **Create database with…**

[default: "Use the default database structure..."]

Usually a new database will be created by using the given "default" database structure. In some cases you can have a special file including a different database structure (mostly when you do a conversion of gauge data from an older database). Only if you have such special file use the option "Import the database structure..." and select the related file.

- **Language of database contents**

  [default: English]

  Here you can select the language for the contents of the database, which should be created.

- **Import demo data**

  [default: activated]

  Activating this option you can create a separated "DEMO" client which will be filled with a number of gauge data. This demonstration client data you can use to test the program functions.

Doing a local ("Desktop") installation you can generally use all of the default settings. Use the `Continue` button to proceed the assistant.

Activated "Firewalls" or special programs like "Norton Security" etc. can block the creation of databases on the local computer. If you get an error message "Unable to connect..." while the database creation process, you have to check the security settings of your computer (the **port "3050"** has to be opened for TCP/IP connections).

1.6.4 Step 4 - Certificate templates and reports

The QMSOFT® system does support a serious of different languages. This also means, that there are predefined certificate and report layouts for different languages. To avoid the installation of unnecessary options you can here select what templates and reports you need [Fig. 1.6.5].
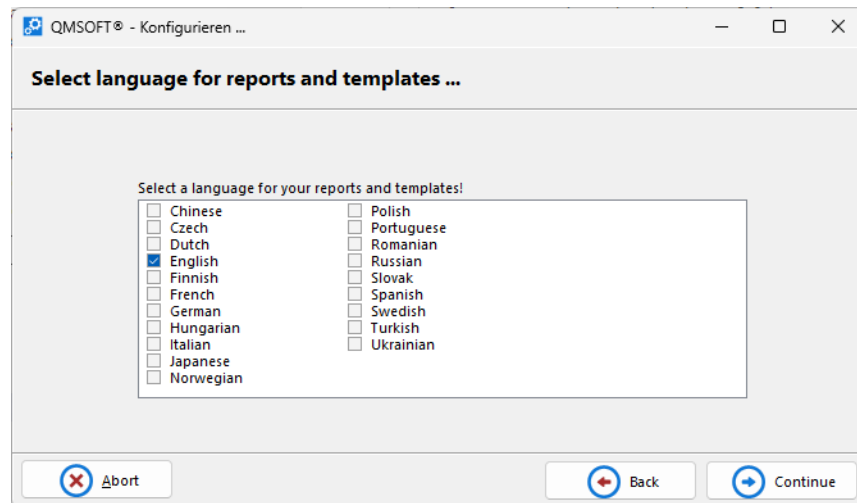

Fig. 1.6.5: Select language for reports and templates.

At any time later you can re-import or add the original templates, so a mistake in this setting will not produce problems.

1.6.5 Step 5 - Create the database

When you continue with the related button the create-procedure of the QMSOFT®-databases will start. A screen [Fig. 1.6.6] will show you the configuration steps and their progress.
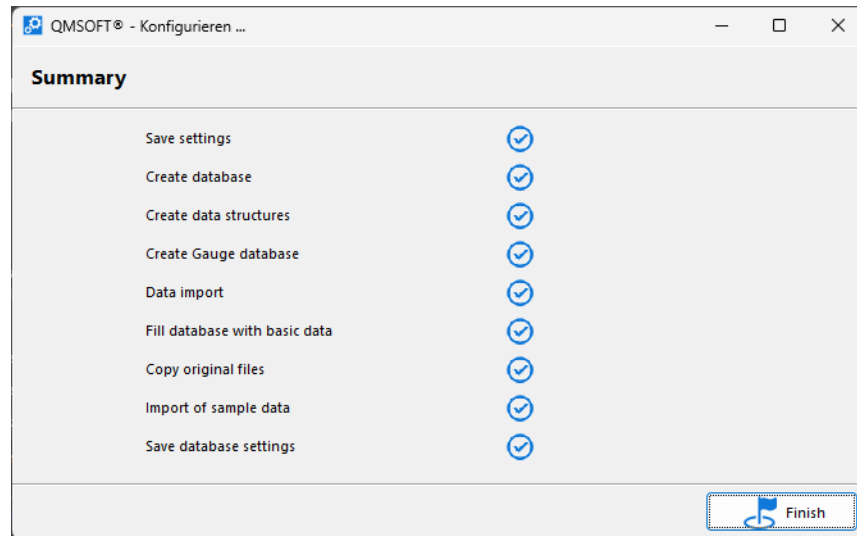

Fig. 1.6.6: Summary of the database creation process.

In case of failure appears a short hint, and the failed step is marked with a red icon. In most cases, the continuation is not possible, please contact us.

Press `Finish` to complete the assistant.

1.7 Change of License Scope

A change of the license volume of a QMSOFT®-installation (enlargement or reduction of the licenses) needs a two-step-procedure, which is based on the exchange of files between the QMSOFT®-user on the one side and the QMSOFT®-manufacturer on the other side. We call this "Remote license update". An exchange of the CodeMeter-stick is also a possible procedure, but this means transportation costs and time delay to get the new license. To execute a remote license update please do the following steps (the proper business procedure is here tacitly assumed):

1.7.1 Create remote context file

> **ⓘ Note**
>
> Make sure that the CodeMeter® stick is connected to a computer on which a QMSOFT® installation is available. A license upgrade over the network is not possible.

- Open the license settings by clicking the icon "yellow key" in the launcher QMSOFT®/GaugeMan.
- Create a remote context file using the `Disk` button (see upper right area of the license data configuration window).
- Send this file to our e-mail-address support@lw-gmbh.com.

1.7.2 Import remote update file

> **ℹ Note**
>
> While importing the file the CodeMeter® stick has to be connected to the computer!
>
> If you use the floating license feature in a network, no other QMSOFT® user should work with QMSOFT®!

- You will receive a remote update file by e-mail.
- Import this remote update file with the help of the `Import` button (see upper right area of the license data configuration window).
- Click the `Show licenses` button, now you should see the new license volume.

Close the license dialogue by clicking the `OK` button. From this point of time the changed license volume can be used.

1.8 Integration of a Measuring Device

The inspection programs in QMSOFT® can take over measures directly from a measuring device, which is connected to the PC. To do this the QMSOFT® inspection programs need a so-called "measuring device object". After a new installation there is no such object created automatically.

> **ℹ Note**
>
> Detailed instructions can be found in the "QMSOFT®/QM-DeviceServer" section of the user manual.
>
> There you will find further details on measuring device integration and device properties.

1.8.1 Create measuring device objects

You can create a new measuring device object with the help of the QMSOFT®/QM-DeviceServer. Click onto the first icon in the area "Measuring devices" of the main window of the launcher QMSOFT®/GaugeMan, this brings the QMSOFT®/QM-Device Server into the foreground [Fig. 1.8.1].
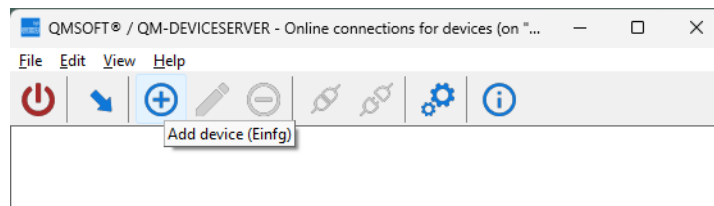

Fig. 1.8.1: Create a measuring device object in QMSOFT®/QM-DeviceServer.

After clicking the "Add device"-button please select the manufacturer and the device designation from the displayed lists.
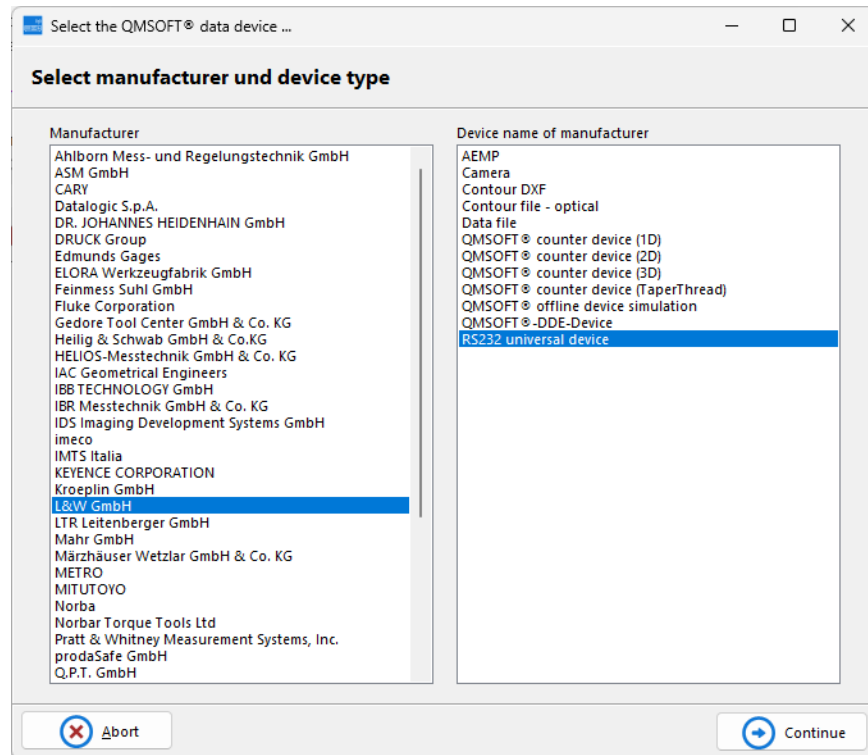
Fig. 1.8.2: Select device manufacturer and device type.

If you don't have an online-connected measuring device, you can select *L&W GmbH* and *QMSOFT® offline device simulation* to create a measuring device object for simulation of measures and/or for manual input of the measures!

Now you can define an own name of the created measuring device object. In the most cases you have nothing else to do. If required, you can use the "Modify device properties" function to setup special configuration properties. Even for devices connected by the RS232 interface the property "COM port", "Baud rate" or others may need to be modified. To do this you have to select the related measuring device object in the main window of the program and to click on it with the right mouse button to edit their properties [Fig. 1.8.3].
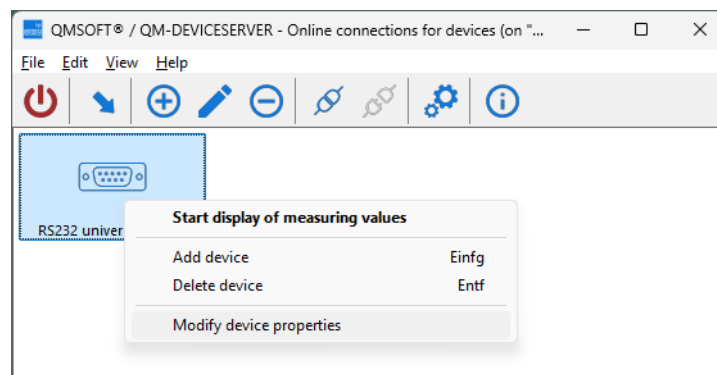

Fig. 1.8.3: Modify device properties.

1.8.2 Link measuring device objects

When you start a QMSOFT® inspection program, which is capable to receive measuring values from an instrument and there is no connection to an instrument defined, you will get the following message [Fig. 1.8.4]:
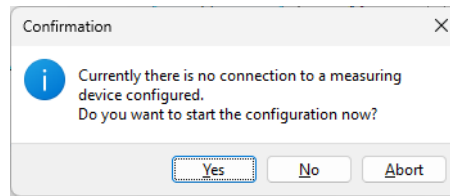

Fig. 1.8.4: A connection to measuring device is needed.

Press Yes to start the configuration dialogue of the related QMSOFT® inspection program. Select one of the offered measuring device objects and confirm the selection with the OK button.
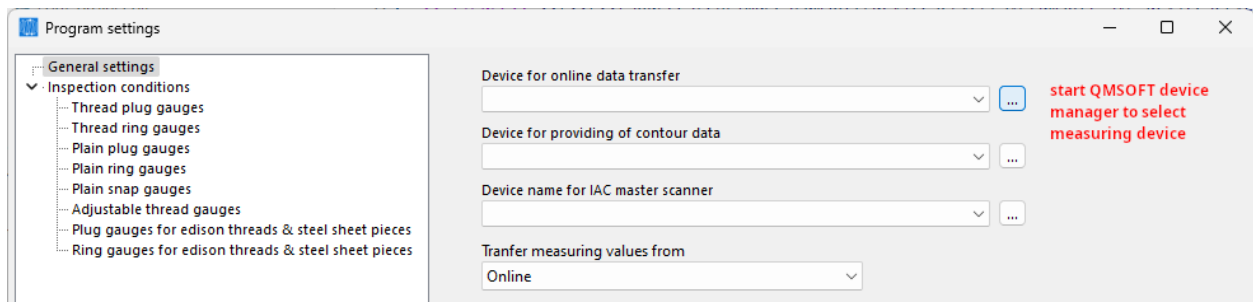

Fig. 1.8.5: Link the measuring device object.

More details about the integration of measuring devices and their properties you can find in the "QMSOFT® Manual - Part: QM-DeviceServer".

Contact

A prepared form for faxing a support request can be found under the menu item *Help → Support sheet* in the QM-SOFT®/GaugeMan program. Please use the following contact information:

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und Qualitätssicherung mbH
Gostritzer Str. 67a
01217 Dresden
Germany
Fax: +49 351 871 7480
E-Mail: support@lw-gmbh.com
Website: www.lw-gmbh.com

Please also remember to provide your own contact details so that we can reach you quickly, and understand that in exceptional cases we cannot respond immediately and directly to every request; we always endeavour to keep our response times as short as possible.

CHAPTER 3

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