



# EASYCAL™ 5

Server Installation

# Impressum

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More operating manuals and translations?

Please refer to <http://www.brand.de/om> or use the following Quick Response Code:



Technische Änderungen, Irrtum und Druckfehler vorbehalten.

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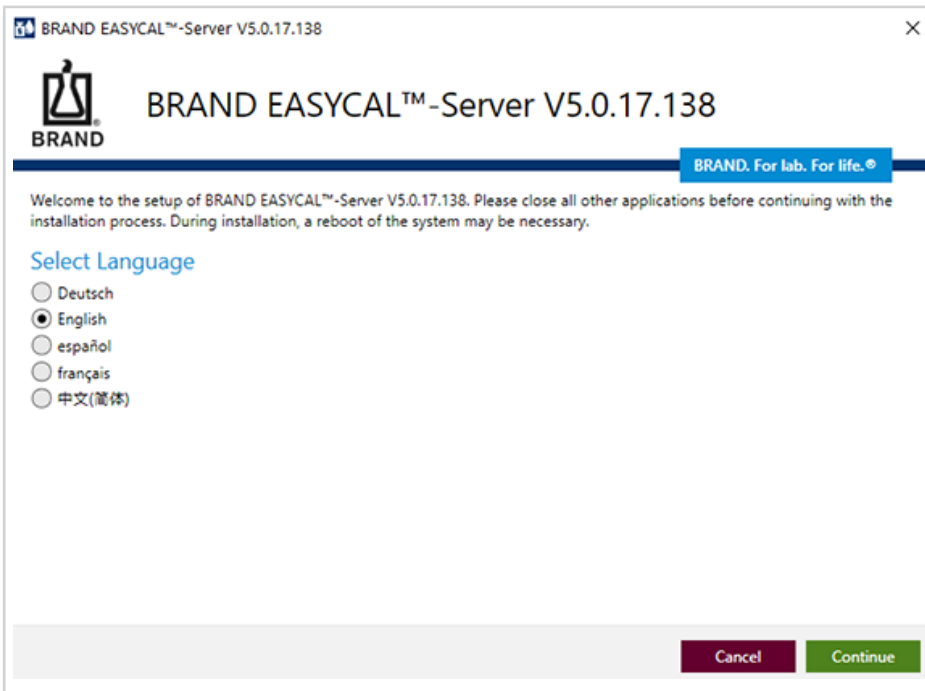
# 1 Systemvoraussetzungen

## Systemvoraussetzungen EASYCAL™ 5 als Server

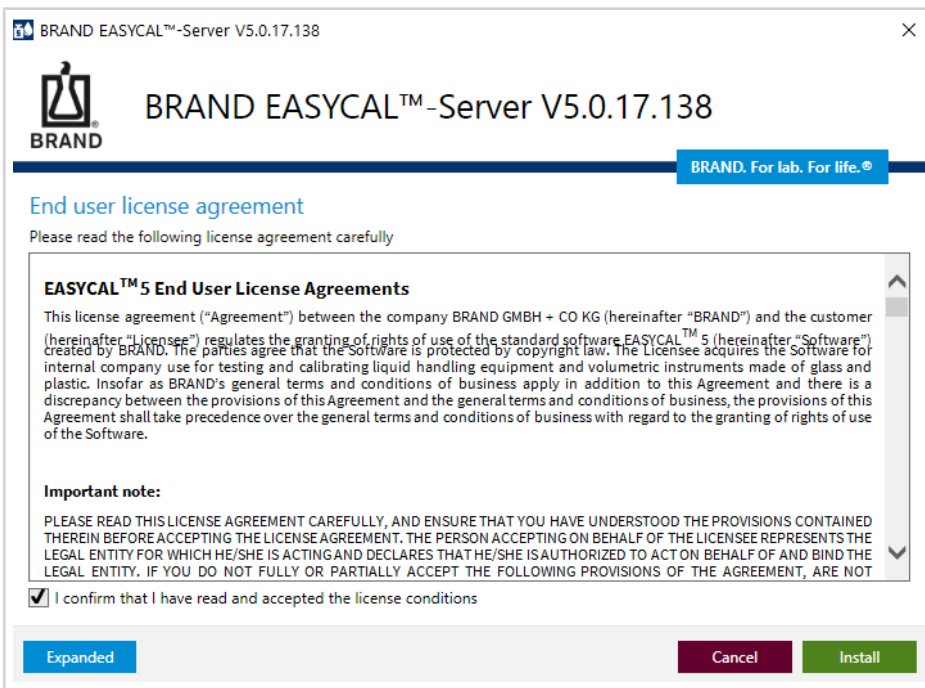
	<b>Systemvoraussetzungen</b>
CPU:	Prozessor mit min. 1 GHz Taktrate
Arbeitsspeicher	min. 16 GB RAM
Netzwerk	Lokale Netzwerkinfrastruktur
Betriebssystem	ab der Version Windows 10, alternativ auch Windows Server 2016
Datenbank	Lokale Ablage. Wird ein Server-Betriebssystem eingesetzt, können die Datenbanken auch lokal auf diesem Betriebssystem abgelegt werden, ohne dass ein SQL-Server eingesetzt werden muss. Alternativ: SQL-Server ab MicrosoftSQL Server 2016
Internet	Ein permanente Breitbandinternetverbindung wird sehr empfohlen

## 2 Installation

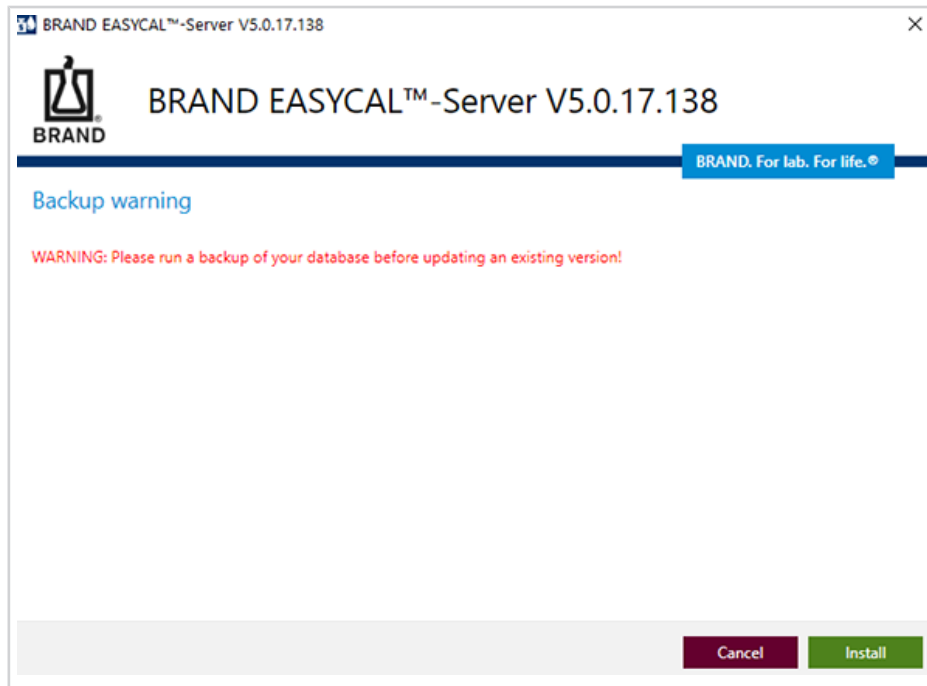
- a. Laden Sie die Installationsdatei herunter: <https://update.brand.de/EASYCAL5Server/EASYCAL-Server-Setup-latest.exe>
- b. Starten Sie den Installer mit lokalen Adminrechten und folgen Sie dem Dialog.
- c. Wählen Sie die Sprache der Installation aus. Die Sprache der Softwareoberfläche können Sie später ändern.



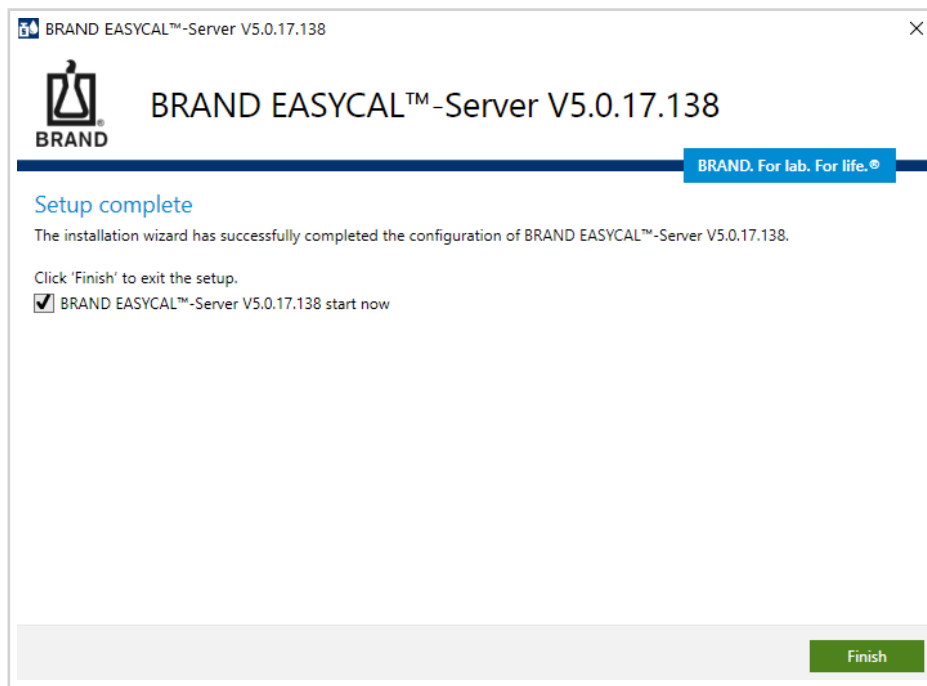
- d. Bestätigen Sie die Lizenzvereinbarung.



- e. Wurde EASYCAL™ 5 schon einmal installiert, empfehlen wir, die Datenbank zu sichern. Andernfalls können Sie mit der Installation fortfahren.



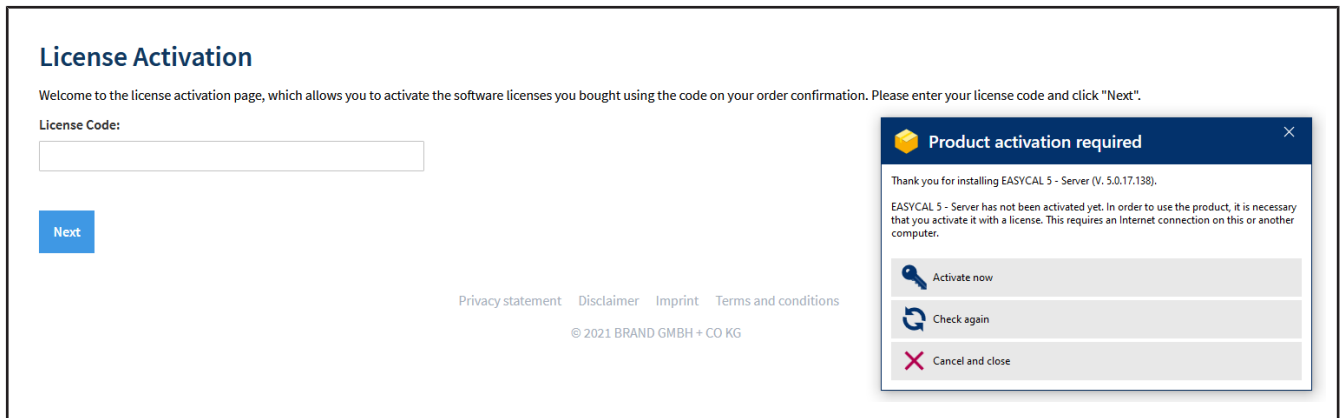
- f. Nach Abschluss der Installation starten Sie den Server.



### 3 Lizenz aktivieren

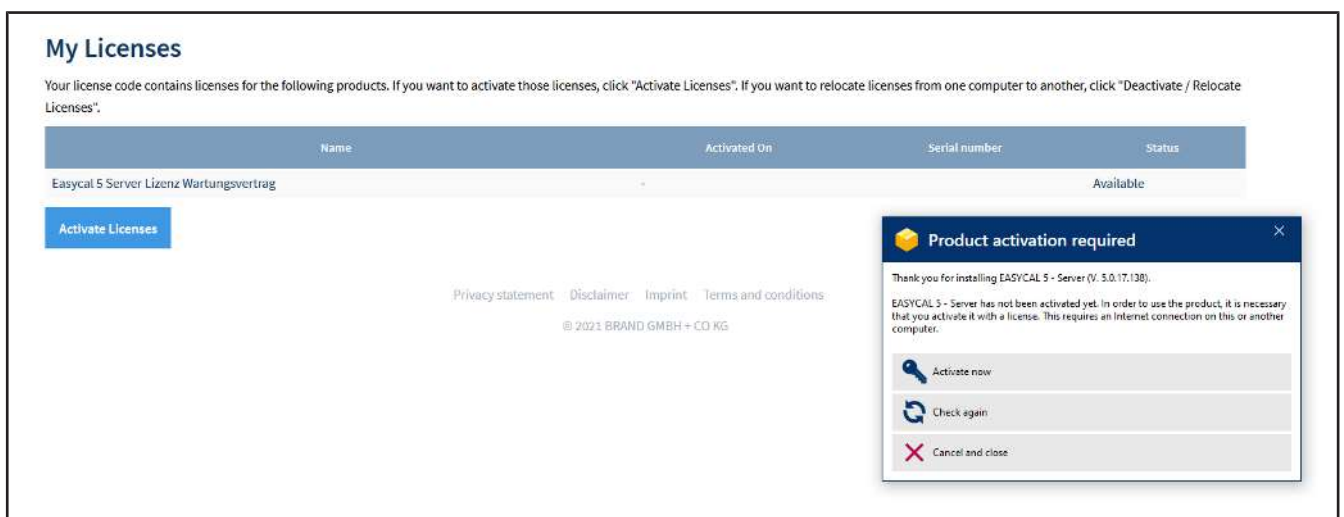
Beim erstmaligen starten der EASYCAL™ 5 Serversoftware öffnet sich das Kontextmenü zur Produktaktivierung.

- a. Klicken Sie auf Activate now, es öffnet sich ihr Standard-Webbrowser.



The screenshot shows the 'License Activation' page. At the top, it says 'Welcome to the license activation page, which allows you to activate the software licenses you bought using the code on your order confirmation. Please enter your license code and click "Next".' Below this is a 'License Code:' label and an empty text input field. A blue 'Next' button is positioned below the input field. At the bottom of the page, there are links for 'Privacy statement', 'Disclaimer', 'Imprint', and 'Terms and conditions', along with the copyright notice '© 2021 BRAND GMBH + CO KG'. A modal dialog box titled 'Product activation required' is overlaid on the right side. The dialog contains the text: 'Thank you for installing EASYCAL 5 - Server (V. 5.0.17.138). EASYCAL 5 - Server has not been activated yet. In order to use the product, it is necessary that you activate it with a license. This requires an Internet connection on this or another computer.' Below the text are three buttons: 'Activate now' (with a key icon), 'Check again' (with a refresh icon), and 'Cancel and close' (with a close icon).

- b. Geben Sie den Lizenzcode für die EASYCAL™ 5 Serversoftware ein und klicken Sie auf Next.



The screenshot shows the 'My Licenses' page. It starts with the heading 'My Licenses' and a sub-heading 'Your license code contains licenses for the following products. If you want to activate those licenses, click "Activate Licenses". If you want to relocate licenses from one computer to another, click "Deactivate / Relocate Licenses".' Below this is a table with the following columns: 'Name', 'Activated On', 'Serial number', and 'Status'. The table contains one row: 'Easycal 5 Server Lizenz Wartungsvertrag', with a '-' in the 'Activated On' column and 'Available' in the 'Status' column. A blue 'Activate Licenses' button is located below the table. At the bottom of the page, there are links for 'Privacy statement', 'Disclaimer', 'Imprint', and 'Terms and conditions', along with the copyright notice '© 2021 BRAND GMBH + CO KG'. A modal dialog box titled 'Product activation required' is overlaid on the right side, identical to the one in the previous screenshot.

- c. Klicken Sie auf Activate Licenses.

d. Wir empfehlen die Standardeinstellung beizubehalten. Wählen Sie die EASYCAL 5 Server Lizenz oder die EASYCAL 5 Server Lizenz Wartungsvertrag – je nach dem welches Produkt Sie gekauft haben. Klicken Sie auf Activate Selected Licenses Now.

e. Der Lizenzierungsprozess wird durchgeführt. Bestätigen Sie mit OK.



## My Licenses

Your license code contains licenses for the following products. If you want to activate those licenses, click "Activate Licenses". If you want to relocate licenses from one computer to another, click "Deactivate / Relocate Licenses".

Name	Activated On	Serial number	Status
Easycal 5 Server Lizenz Wartungsvertrag	2022-01-17 15:20:12	130-474324970	Activated

[Deactivate / Relocate Licenses](#)
[Restore Licenses](#)

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[Imprint](#)
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### Product activation required

Thank you for installing EASYCAL 5 - Server (V. 5.0.17.138).

EASYCAL 5 - Server has not been activated yet. In order to use the product, it is necessary that you activate it with a license. This requires an Internet connection on this or another computer.

[Activate now](#)

[Check again](#)

[Cancel and close](#)

f. Klicken Sie im Fenster Product activation required auf Check Again.

## My Licenses

Your license code contains licenses for the following products. If you want to activate those licenses, click "Activate Licenses". If you want to relocate licenses from one computer to another, click "Deactivate / Relocate Licenses".

Name	Activated On	Serial number	Status
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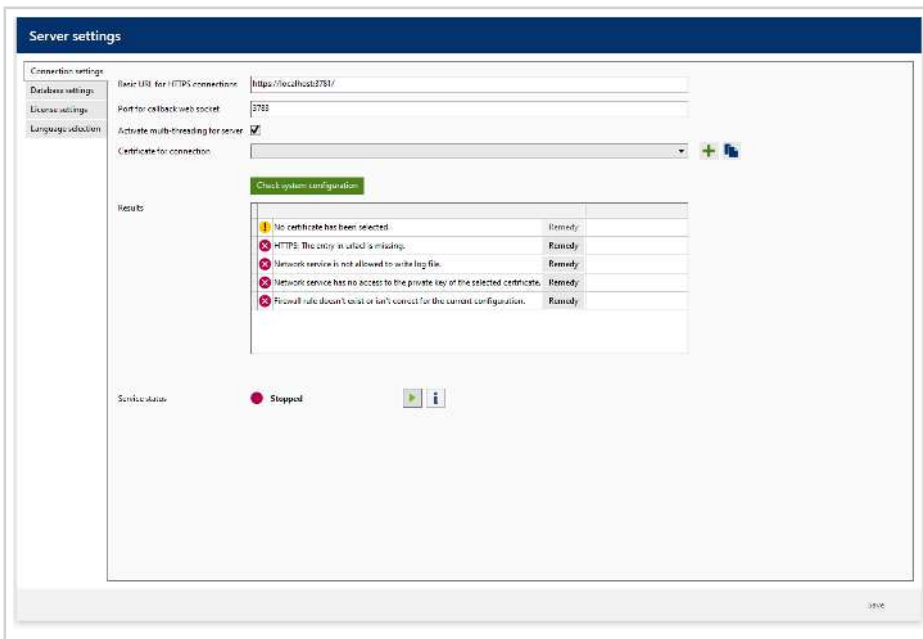
[Activate now](#)

[Check again](#)

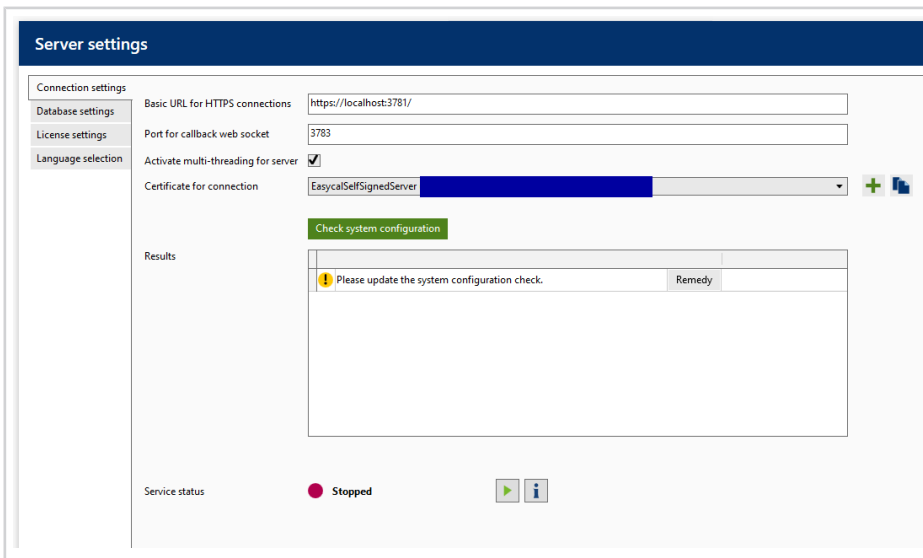
[Cancel and close](#)

## 4 Serversoftware-Einstellungen

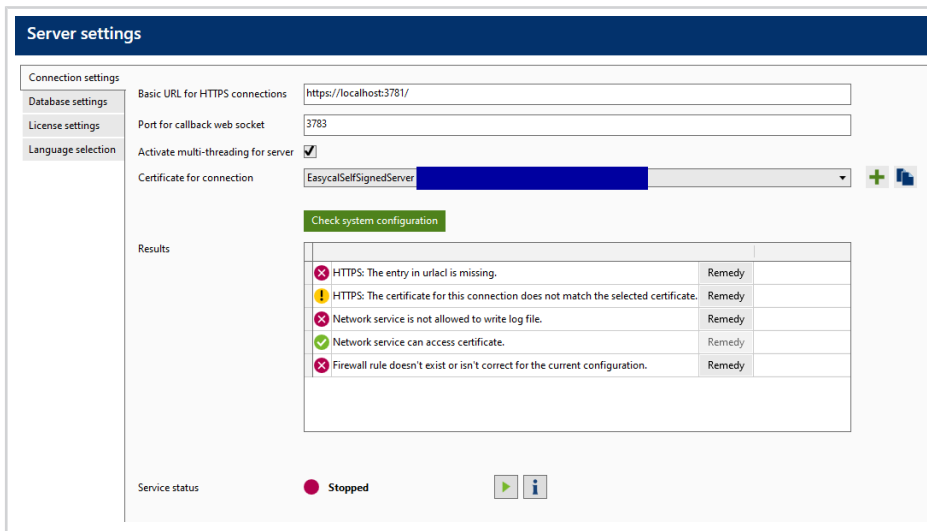
a. Nach Klick auf Check Again im Fenster Product activation required öffnet sich die Serversoftware.



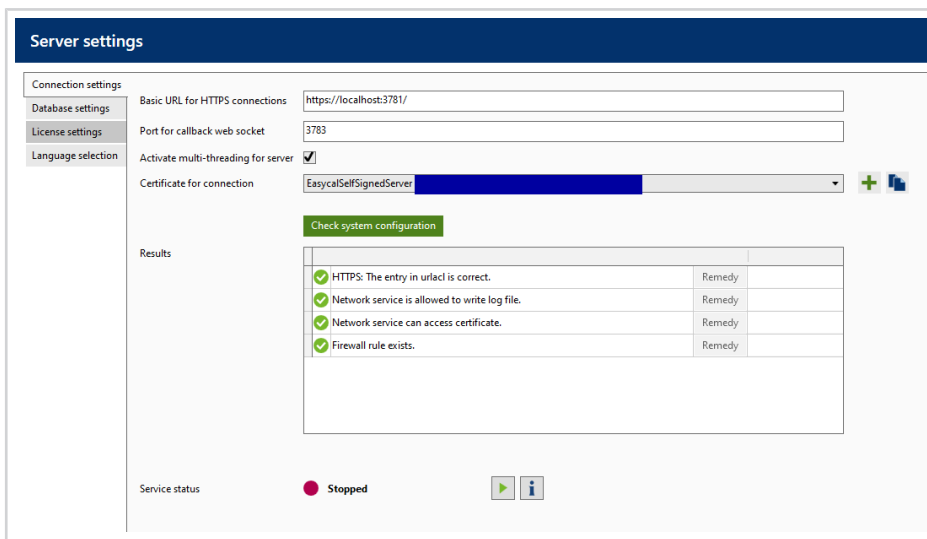
b. Auf das Plus Symbol bei Certificate for connection klicken und EasySelfSignedServer wählen.



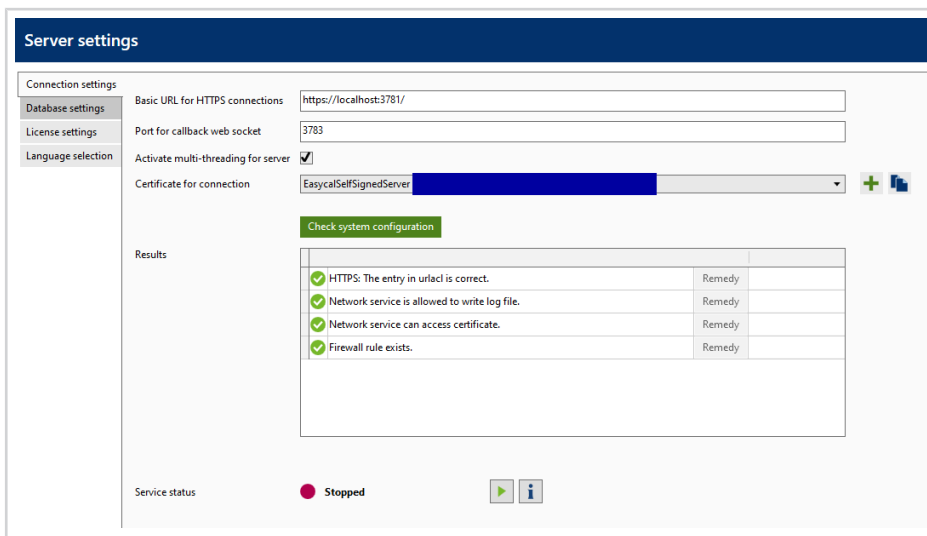
c. Dann auf Check system configuration klicken.



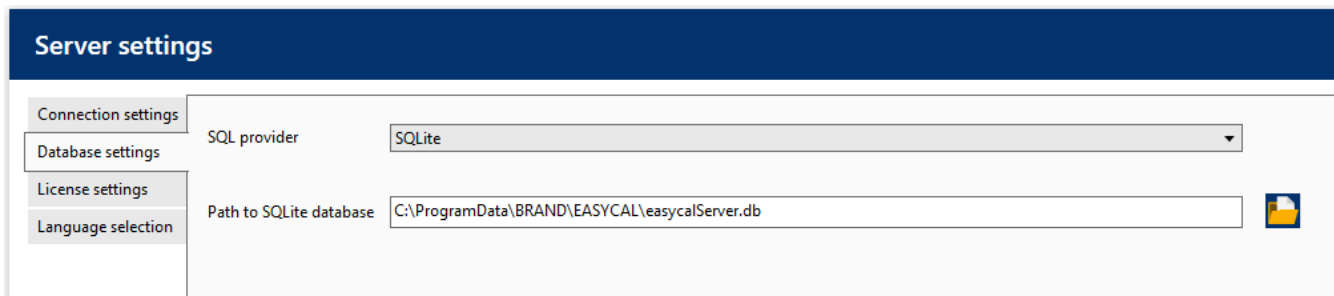
Bei den Results jeweils auf Remedy klicken, damit die Cooling Block Serversoftware passende Einträge im System erstellt.



d. Auf Save klicken.



## 5 Datenbankeinstellungen



The screenshot shows the 'Server settings' dialog box with the 'Database settings' tab selected. The 'SQL provider' dropdown menu is set to 'SQLite'. The 'Path to SQLite database' text box contains the path 'C:\ProgramData\BRAND\EASYCAL\easyca1Server.db'. There is a folder icon button to the right of the text box. On the left side, there are four tabs: 'Connection settings', 'Database settings', 'License settings', and 'Language selection'.

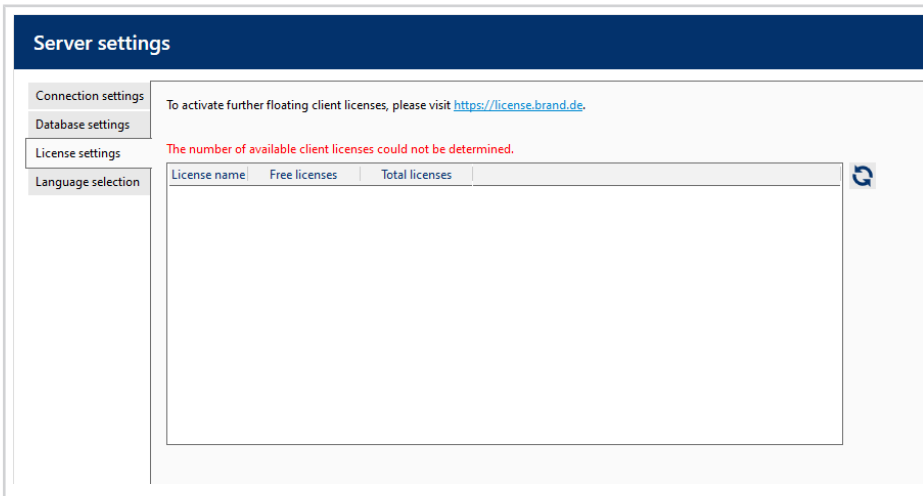
In den Reiter Datenbankeinstellungen wechseln.

Für einfache Netzwerke (bzw. wenn nicht bereits ein MS SQL Server vorhanden ist) die Einstellungen auf SQLite lassen. Der Pfad auf die EASYCAL-Datenbank sollte nicht verändert werden. Das Verschieben auf ein „Netzlaufwerk“ wird nicht unterstützt; Pfade wie [\\Verzeichnis\Netz](#) werden nicht unterstützt.

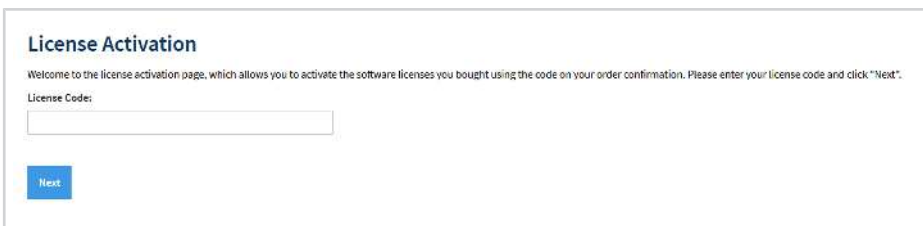
Wenn Sie doch einen anderen Ordner auf einem **lokalen Laufwerk** verwenden möchten, stellen Sie sicher, dass der Ordner durch die Software angelegt wurde. Ansonsten wird SQLite Datenbank `easyca1Server.db` nicht angelegt.

## 6 Client-Lizenzen hinzufügen

- a. In den Reiter License settings gehen.



- b. Auf die URL im Fenster klicken, es öffnet sich der Standardbrowser.



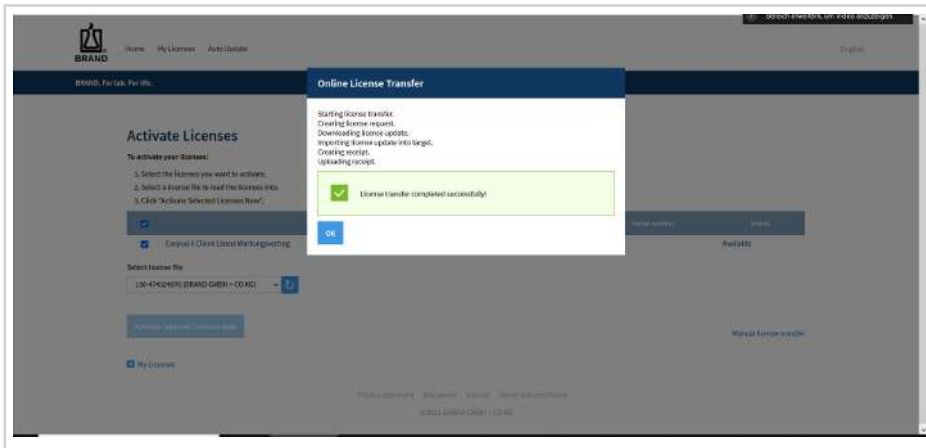
- c. Dem Dialog zur Lizenzaktivierung folgen analog zu der zuvor beschriebenen Lizenzaktivierung des Servers. Clientlizenzen sind über den BRAND Webshop (<https://shop.brand.de>) zu beziehen.
- d. Den Lizenzcontainer des Servers auswählen. Es sollte aber nur ein Container zur Auswahl stehen.



- e. Activate Selected Licenses Now anklicken.

↪ Die Lizenz ist aktiviert.


## Client-Lizenzen hinzufügen

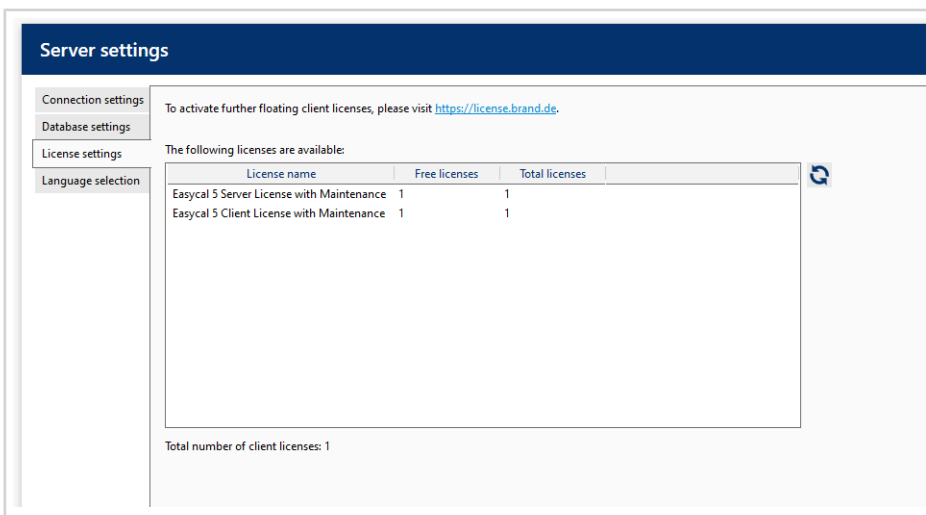


f. Mit OK bestätigen.




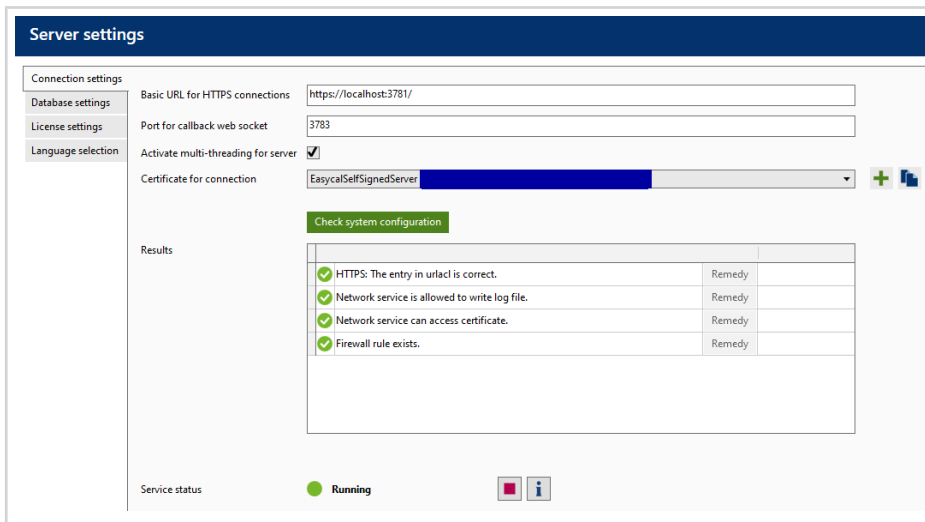
g. Nach Abschluss der Aktivierung im Webbrowser zurück zur EASYCAL™ 5 Server Software wechseln.

h. Im Reiter License settings auf den Button  klicken.



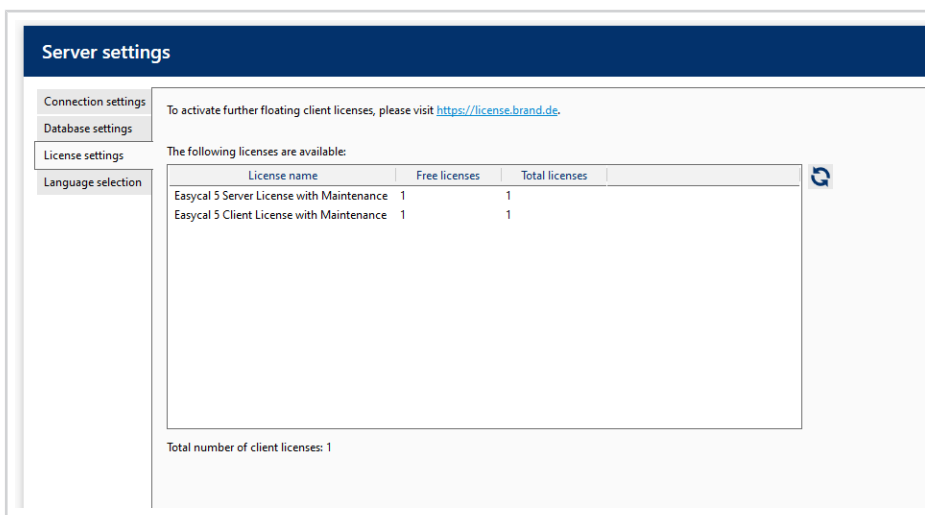
i. Auf diese Weise können beliebig viele Clients mit dem Server verknüpft werden.

j. Zuletzt in den Reiter Connections settings wechseln und den Server mit Klick auf den Button  starten.



→ Die Vorbereitungen auf dem Server sind damit abgeschlossen.

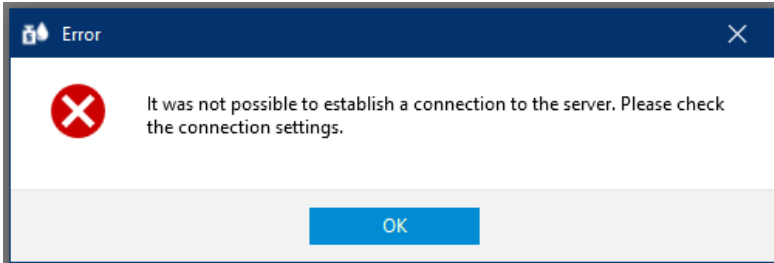
- k.** Ab jetzt können auf den Client PCs im Netzwerk die EASYCAL™ 5 Client Software installiert werden. Es können parallel so viele Client PCs mit EASYCAL™ 5 betrieben werden wie ungenutzte Client Lizenzen auf dem EASYCAL™ 5 Server verfügbar sind. Eine aktuelle Übersicht ist im Reiter License settings zu sehen.



## 7 Erster Client-Start

a. Starten Sie den Client mit lokalen Admin-Rechten.

↳ Nach dem Start erscheint eine Fehlermeldung, da die EASYCAL-Client-Software noch nicht die Adresse zum EASYCAL-Server kennt.



↳ Ist der EASYCAL-Server bereits konfiguriert und beim Client-Start erscheint das Fenster Product activation required, kann sich der EASYCAL-Client nicht mit dem Lizenz-Server über das Netzwerk verbinden. Abhilfe, siehe Lizenz-Server auf Client konfigurieren, S. 20

b. Bestätigen Sie die Fehlermeldung mit Klick auf OK.

↳ Es erscheint das Fenster für die Eingaben der EASYCAL-Server-Adresse.

c. Die Basic URL und das Certificate for connection aus dem Server in eine Textdatei kopieren. Dann die Einträge wie folgt in der Client Software > Einstellungen > Server-Einstellungen einfügen.

Basic URL for HTTPS connections

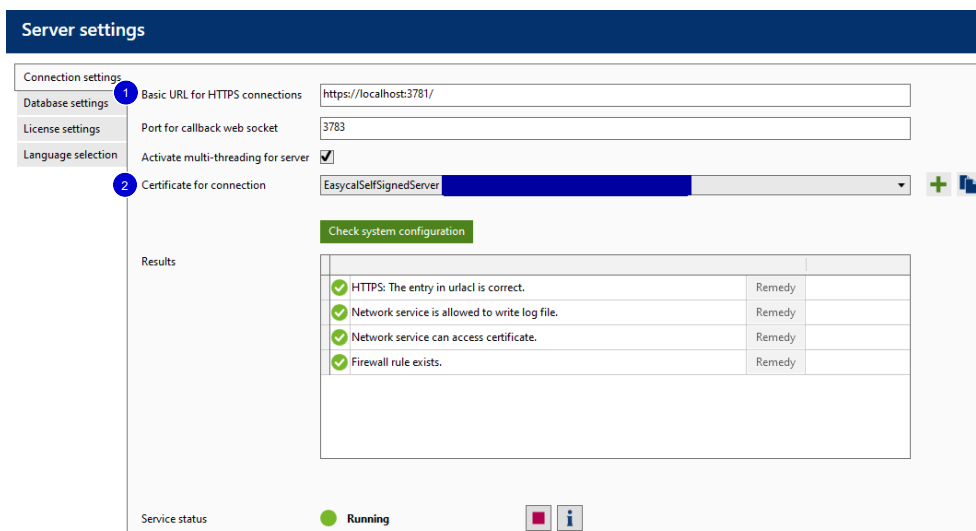
einfügen in

Server address

Certificate for connection

einfügen in

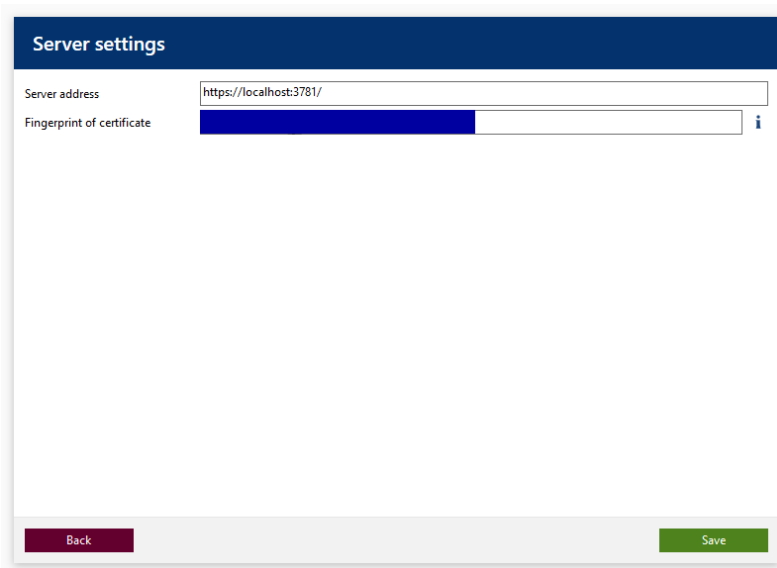
Fingerprint of certificate



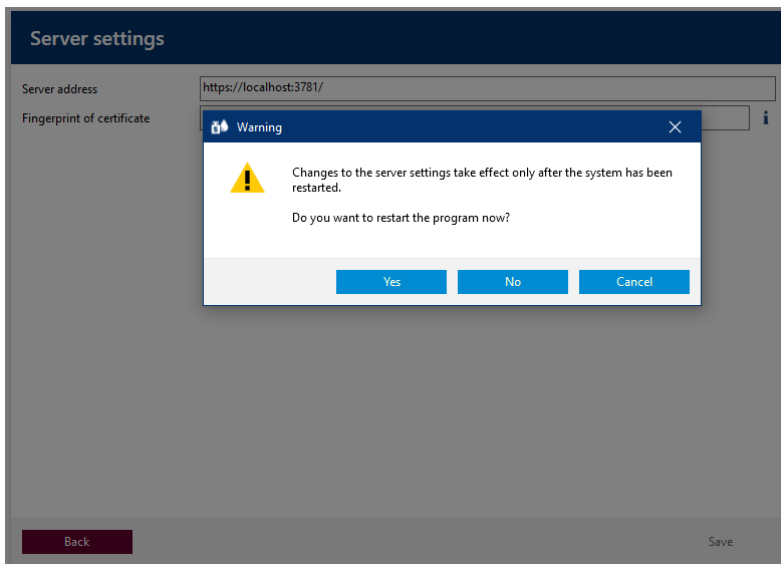
1 Basic URL/Server Adresse

2 Certificate for connection/Fingerprint

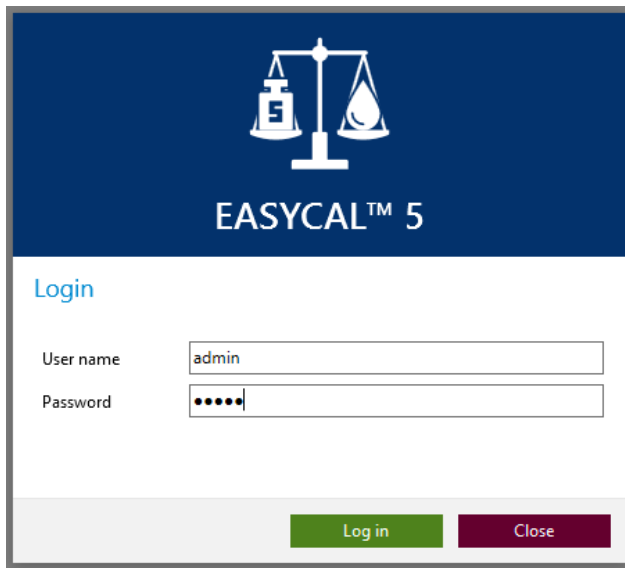




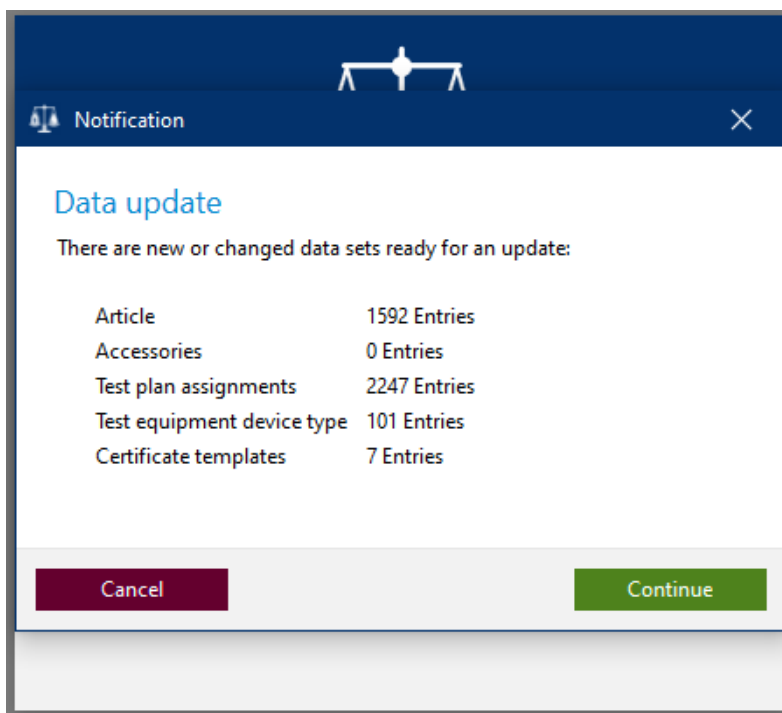
d. In der EASYCAL-Client Software auf Save klicken.



e. EASYCAL-Client neu starten.



- f. Mit dem Standardbenutzer anmelden (user: admin | password: start ) im EASYCAL-Client anmelden. Es wird gegebenenfalls ein Update installiert z.B. bei der Erstinstallation.



- g. Nachdem dieses beendet ist, können weitere EASYCAL-Client gestartet werden – sofern freie Lizenzen vorhanden sind.

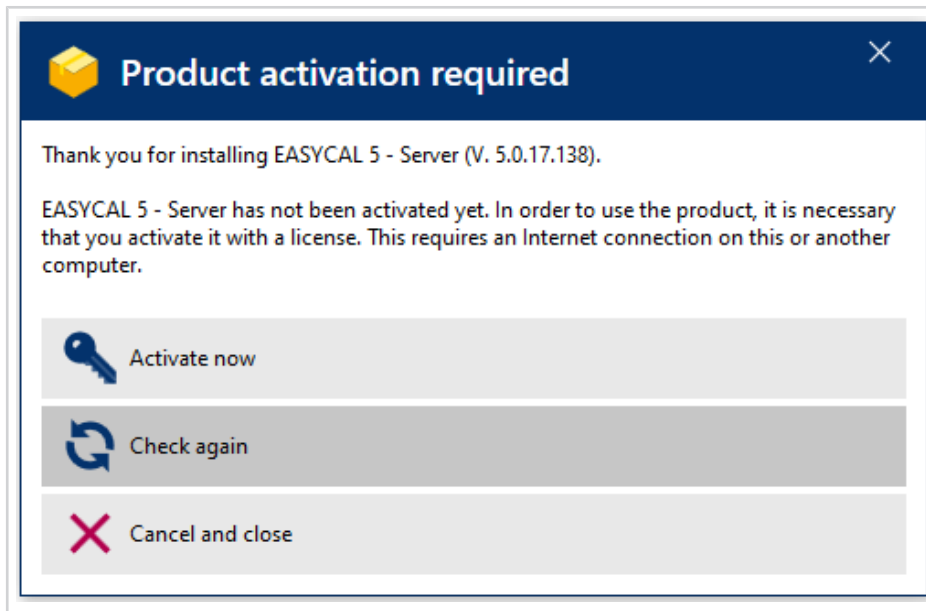
### HINWEIS

#### Standardbenutzer ändern

Ändern Sie nach Abschluss der Konfigurationsarbeiten den Standardbenutzer (user: admin | password: start ), um nicht autorisierten Zugang zum System zu vermeiden!

## EASYCAL-Client startet nicht | Product activation required erscheint

Der EASYCAL-Client startet nicht, obwohl die Verbindung zum EASYCAL-Server konfiguriert wurde. Es erscheint das Fenster Product activation required, da EASYCAL den Lizenzserver nicht erreichen kann (Netzwerkstruktur, Sicherheitseinstellungen). Damit EASYCAL dennoch betrieben werden kann, kann der Lizenz-Server über das CodeMeter Kontrollzentrum erreicht werden, siehe Lizenz-Server auf Client konfigurieren, S. 20.



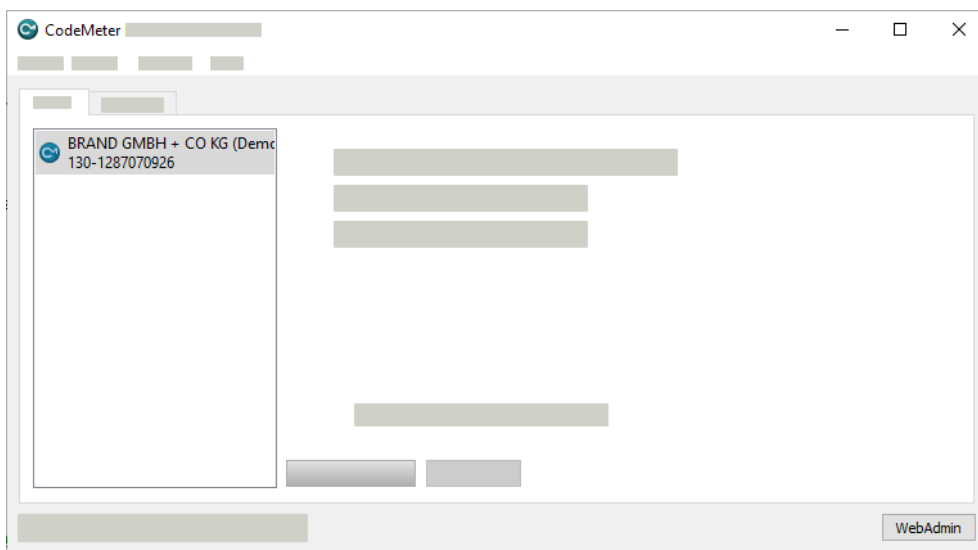
## 8 Lizenz-Server auf Client konfigurieren

Der Lizenz-Server kann auch auf dem Client über das CodeMeter Kontrollzentrum konfiguriert werden, wenn andere Verbindungen zum Lizenz-Server über das Netzwerk fehlschlagen oder nicht möglich sind.

Voraussetzung:

- ✓ Die IP-Adresse des EASYCAL-Servers muss bekannt sein. Beispiel: 192.168.3.169

- EASYCAL™ 5 schließen.
- Das CodeMeter Kontrollzentrum öffnen und über die Schaltfläche WebAdmin das Webinterface öffnen.



- Dort in der Navigationsleiste Einstellungen > Basis > Server-Suchliste öffnen.



- Auf neuen Server hinzufügen klicken.
- Im Feld die IP Adresse 192.xxx.xxx.xxx des EASYCAL-Servers eintragen und den Eintrag übernehmen. Beispiel: 192.168.3.169

Server-Suchliste

Proxy WebAdmin Datensicherung

### Server-Suchliste

1. 192.168.3.169
2. Automatische Server-Suche (255.255.255.255)

+ neuen Server hinzufügen

Übernehmen Standard wiederherstellen

f. EASYCAL™ 5 starten.

## Imprint

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# 1 System requirements

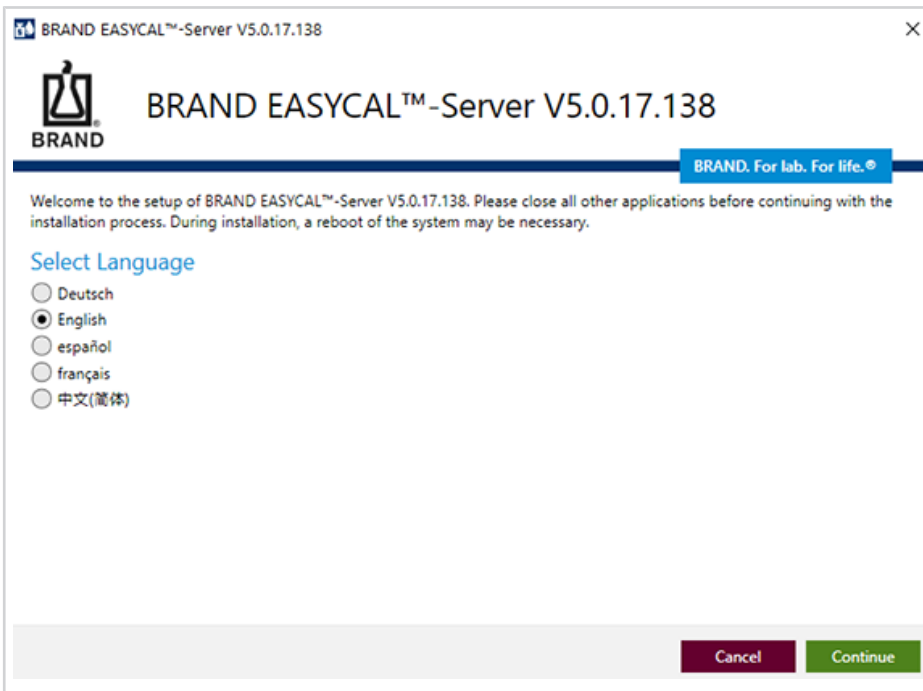
## System requirements for EASYCAL™ 5 as server

	<b>System requirements</b>
CPU:	Processor with at least 1 GHz clock rate
Memory	At least 16 GB RAM
Network	Local network infrastructure
Operating system	from Windows 10 or Windows Server 2016
Database	Local storage If a server operating system is used, the databases can also be stored locally on this operating system without having to use an SQL server. Alternatively: SQL Server as of MicrosoftSQL Server 2016
Internet	A permanent broadband Internet connection is highly recommended

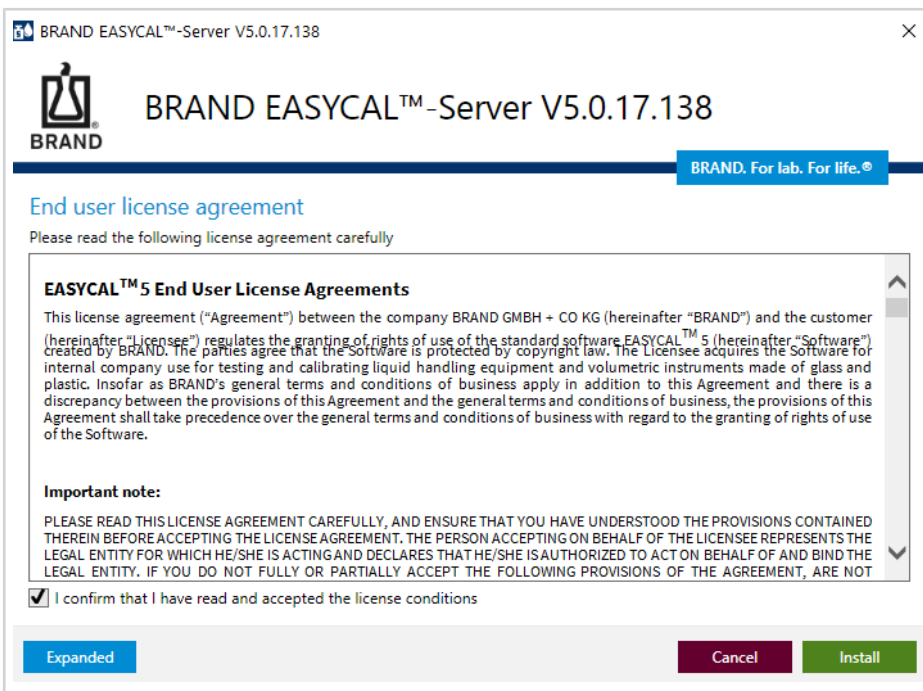


## 2 Installation

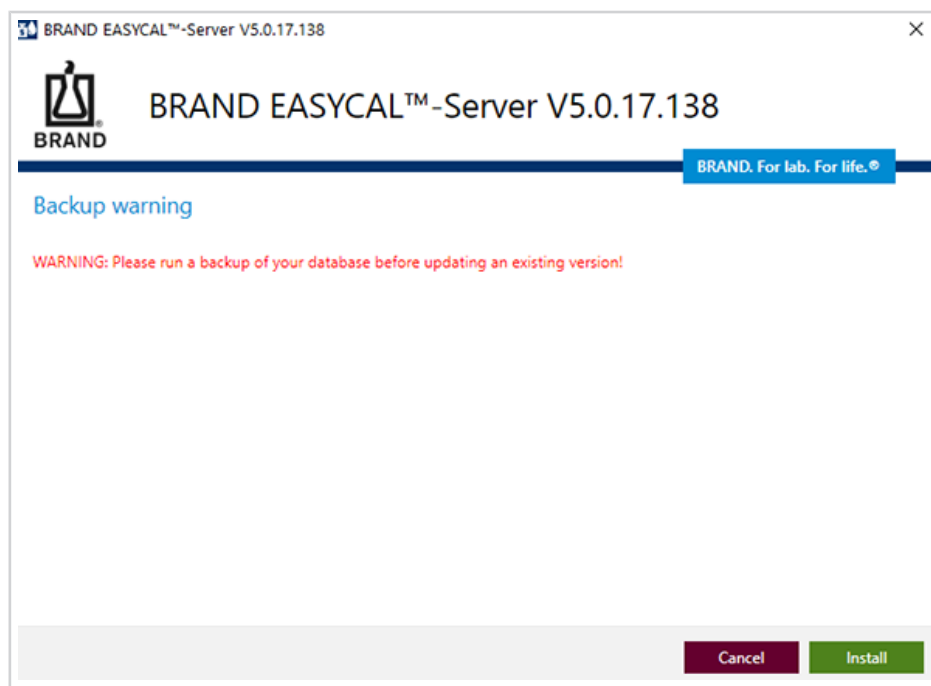
- a. Download the installation file: <https://update.brand.de/EASYCAL5Server/EASYCAL-Server-Setup-lat-est.exe>
- b. Start the installer using local admin rights and follow the dialog.
- c. Choose installation language. You can change the software language later on.



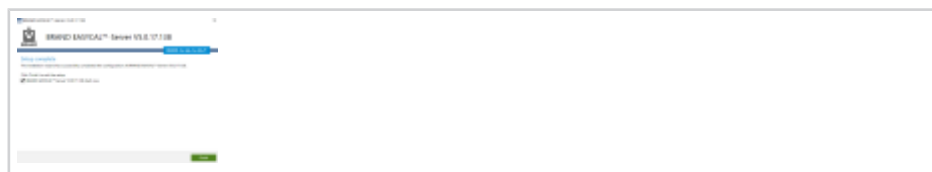
- d. Confirm the license agreement.



- e. If EASYCAL™ 5 has been installed before, we recommend backing up the database. Otherwise, you can proceed with the installation.



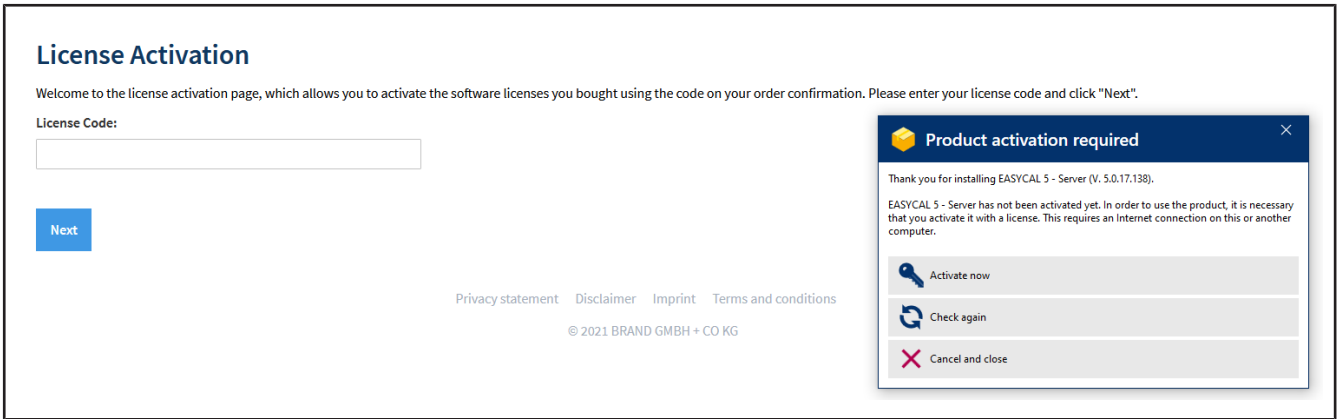
- f. Start the server after installation.



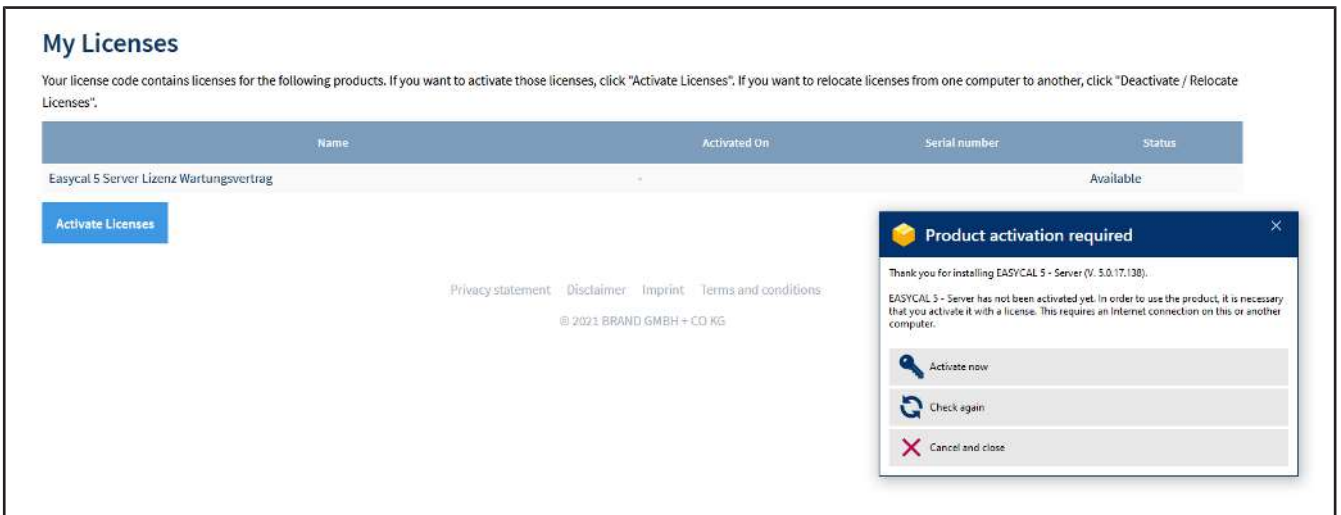
### 3 Activate License

When the EASYCAL™ 5 server software is started for the first time, the context menu for product activation opens.

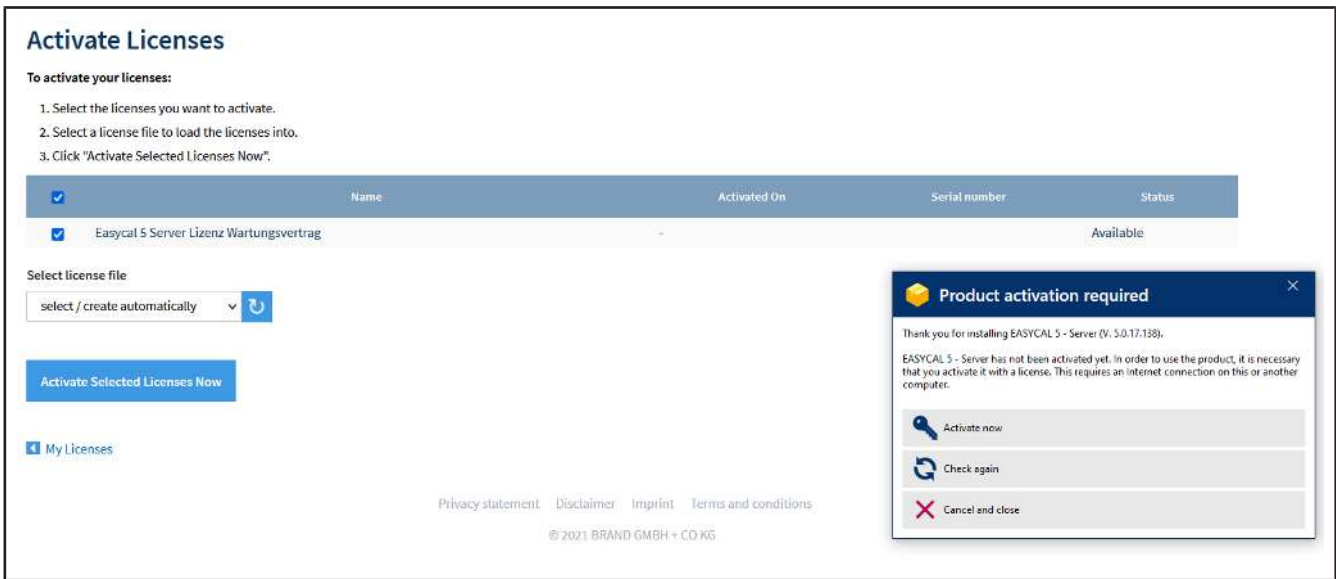
- a. Click Activate now, your default web browser will open.



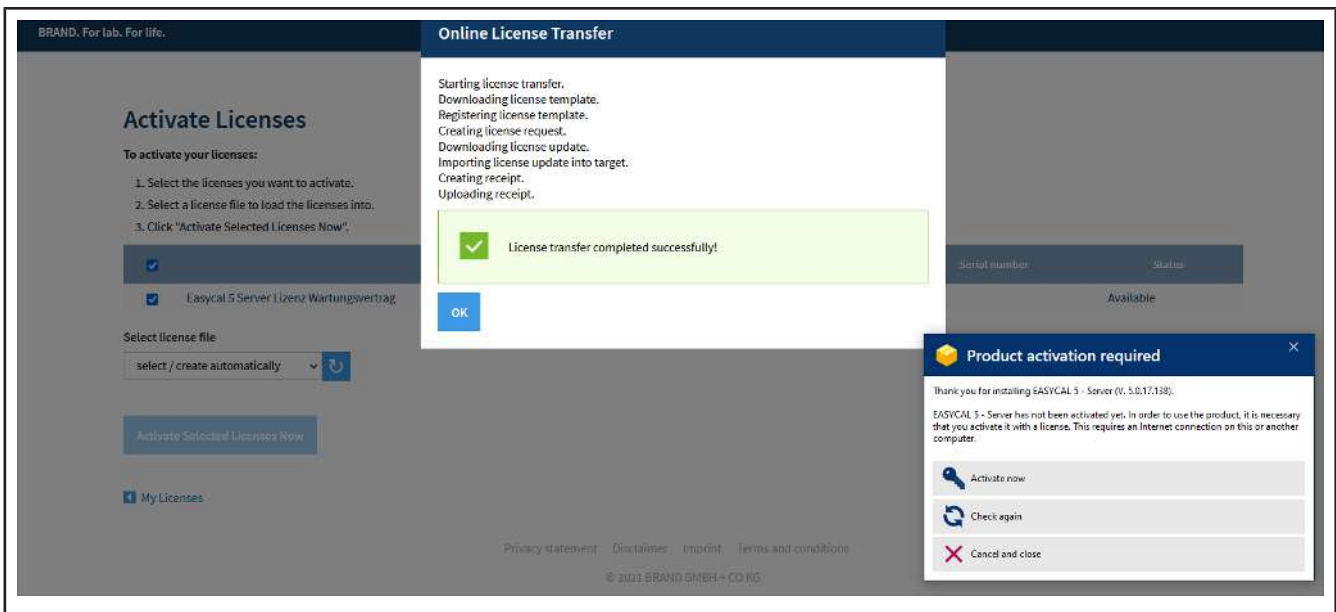
- b. Enter the license code for the EASYCAL™ 5 server software and click Next.



- c. Click on Activate Licenses.



- d. We recommend to keep the standard setting. Choose the EAYSCAL™ 5 Server License or the EAYSCAL™ 5 Server License Maintenance Contract - depending on which product you have purchased. Click on Activate Selected Licenses Now.



- e. The licensing process is performed. Confirm with OK.

**My Licenses**

Your license code contains licenses for the following products. If you want to activate those licenses, click "Activate Licenses". If you want to relocate licenses from one computer to another, click "Deactivate / Relocate Licenses".

Name	Activated On	Serial number	Status
Easycal 5 Server Lizenz Wartungsvertrag	2022-01-17 15:20:12	130-474324970	Activated

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**Product activation required** ✕

Thank you for installing EASYCAL 5 - Server (V. 5.0.17.138).

EASYCAL 5 - Server has not been activated yet. In order to use the product, it is necessary that you activate it with a license. This requires an Internet connection on this or another computer.

🔑 [Activate now](#)

🔄 [Check again](#)

✖ [Cancel and close](#)

f. In the Product Activation Required window, click Check Again.

**My Licenses**

Your license code contains licenses for the following products. If you want to activate those licenses, click "Activate Licenses". If you want to relocate licenses from one computer to another, click "Deactivate / Relocate Licenses".

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Thank you for installing EASYCAL 5 - Server (V. 5.0.17.138).

EASYCAL 5 - Server has not been activated yet. In order to use the product, it is necessary that you activate it with a license. This requires an Internet connection on this or another computer.

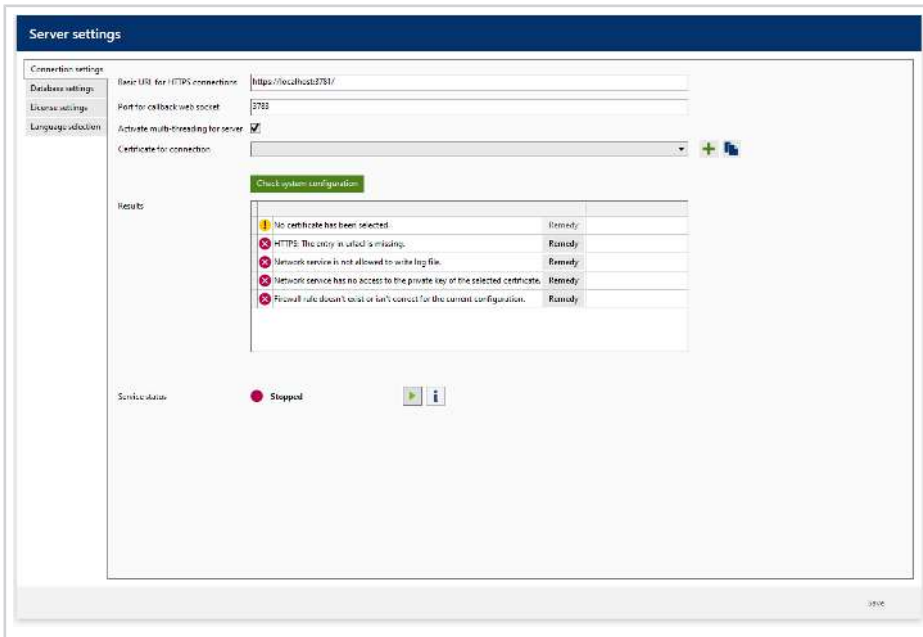
🔑 [Activate now](#)

🔄 [Check again](#)

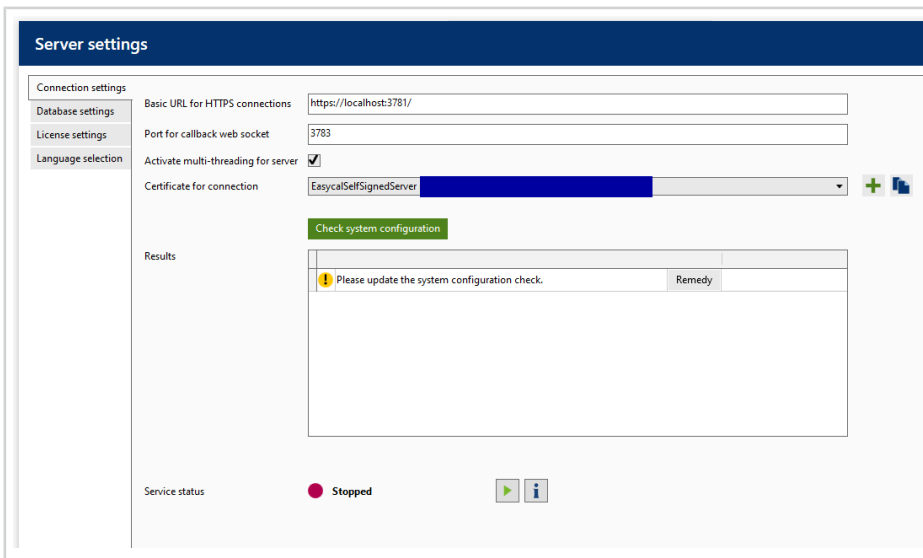
✖ [Cancel and close](#)

## 4 Server software settings

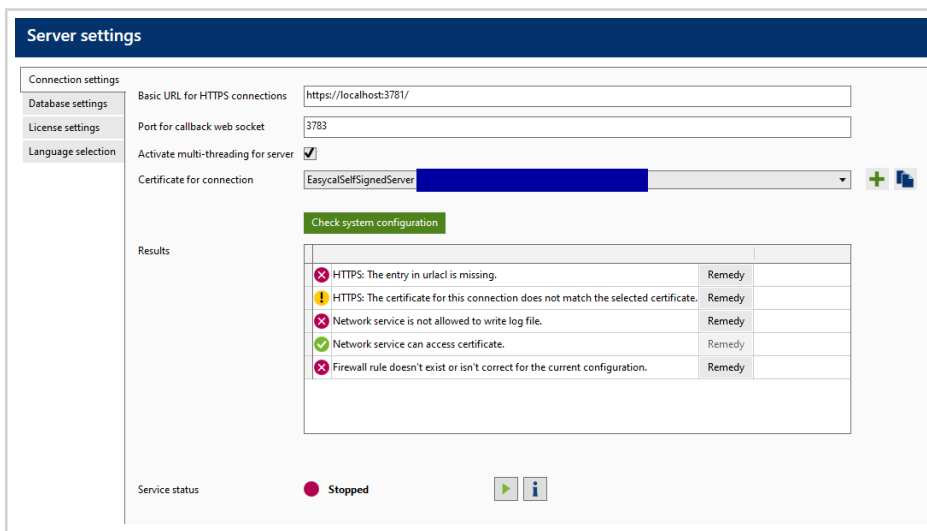
a. After clicking Check Again in the Product activation required window, the server software opens.



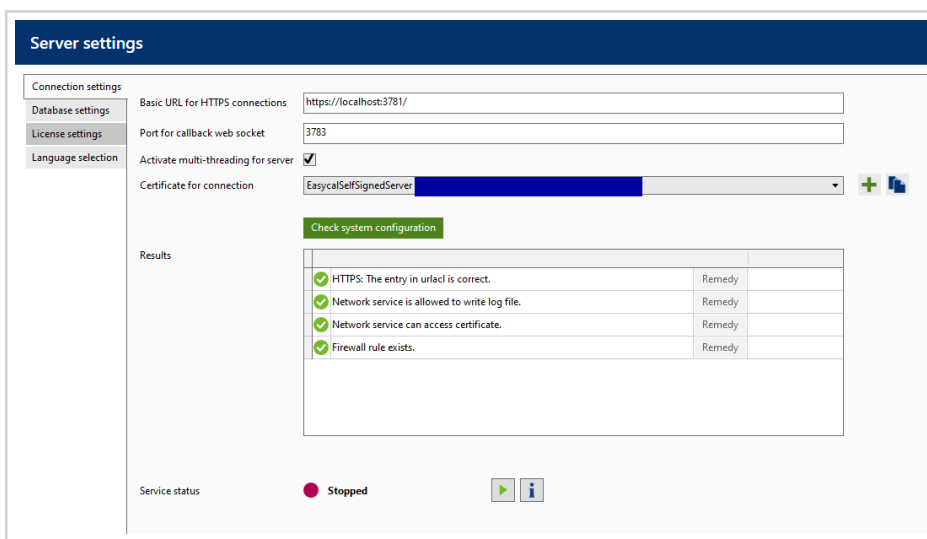
b. Click on the plus symbol at Certificate for connection and select EasycaSelfSignedServer.



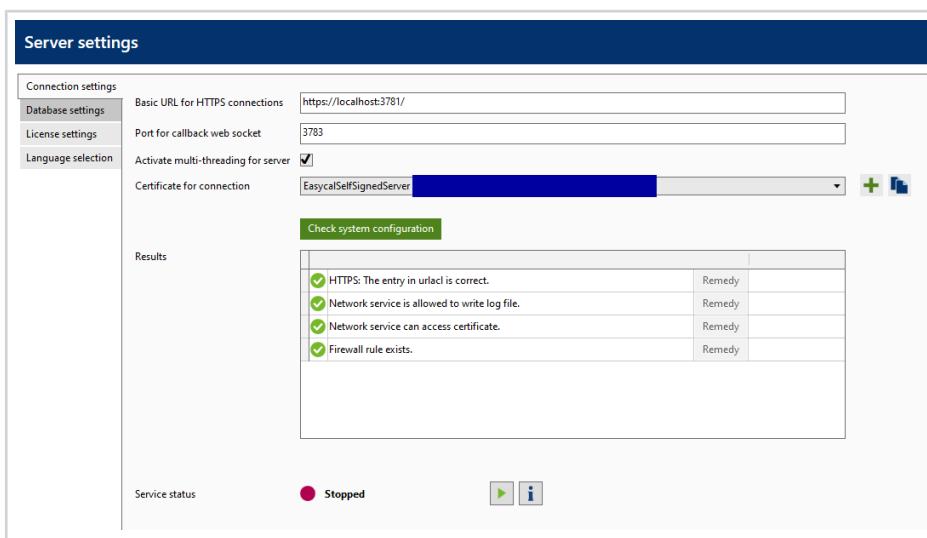
c. Then click on Check system configuration .



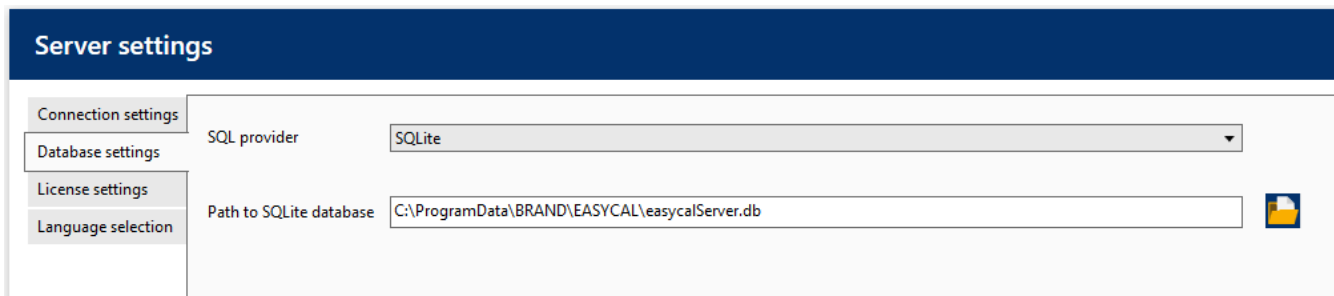
Click on Remedy for each of the Results so that the Cooling Block server software creates suitable entries in the system.



d. Click on Save.



## 5 Database settings



The screenshot shows a 'Server settings' window with a dark blue header. On the left, there is a vertical menu with four tabs: 'Connection settings', 'Database settings', 'License settings', and 'Language selection'. The 'Database settings' tab is selected. The main area contains two settings: 'SQL provider' with a dropdown menu showing 'SQLite', and 'Path to SQLite database' with a text input field containing 'C:\ProgramData\BRAND\EASYCAL\easyCalServer.db' and a folder icon button to its right.

Switch to the Database settings tab.

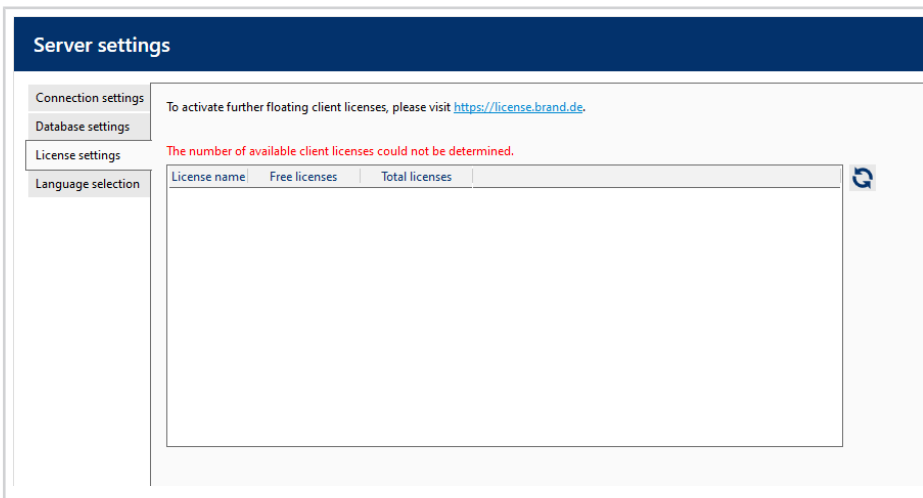
For simple networks (or if there is not already an MS SQL Server) leave the settings on SQLite. The path to the EASYCAL-database should not be changed. Moving to a "network drive" is not supported; paths such as [\\directory\network](#) are not supported.

If you want to use a different folder on a **local drive**, make sure that the folder was created by the software. Otherwise, SQLite database `easyCalServer.db` is not created.

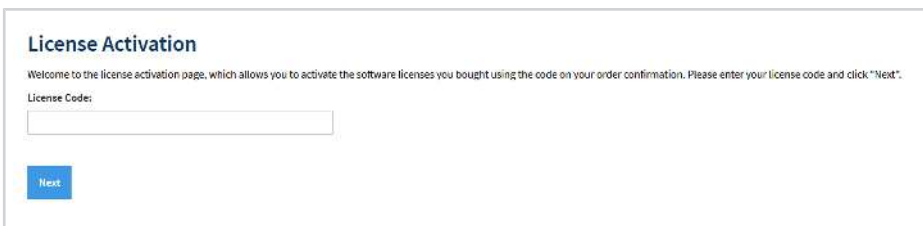


## 6 Add client licenses.

- a. Go to tab License settings.



- b. Click on the URL in the window, the default browser will open.



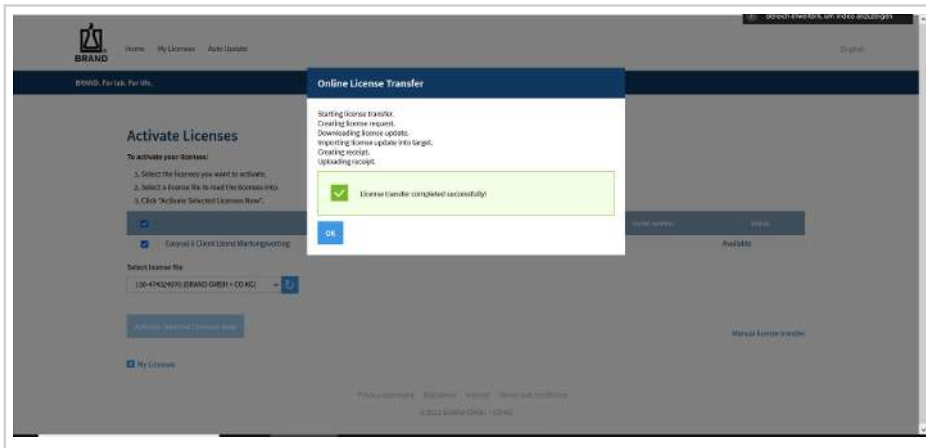
- c. Follow the license activation dialog analogously to the license activation of the server described above. Client licenses can be purchased via the BRAND Webshop (<https://shop.brand.de>).
- d. Select the license container of the server. Only one container should be available.



- e. Click on Activate Selected Licenses Now .

↪ The license is now activated.


Add client licenses.

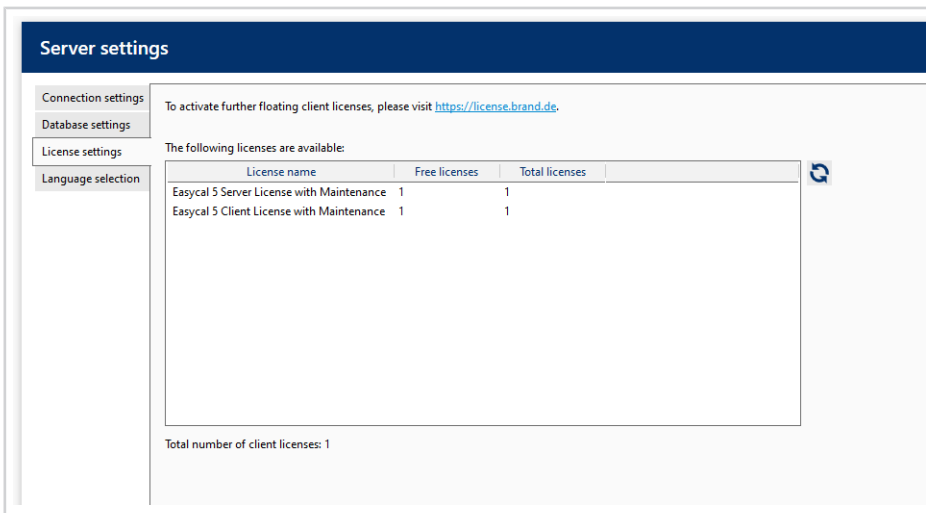


f. Confirm with OK.




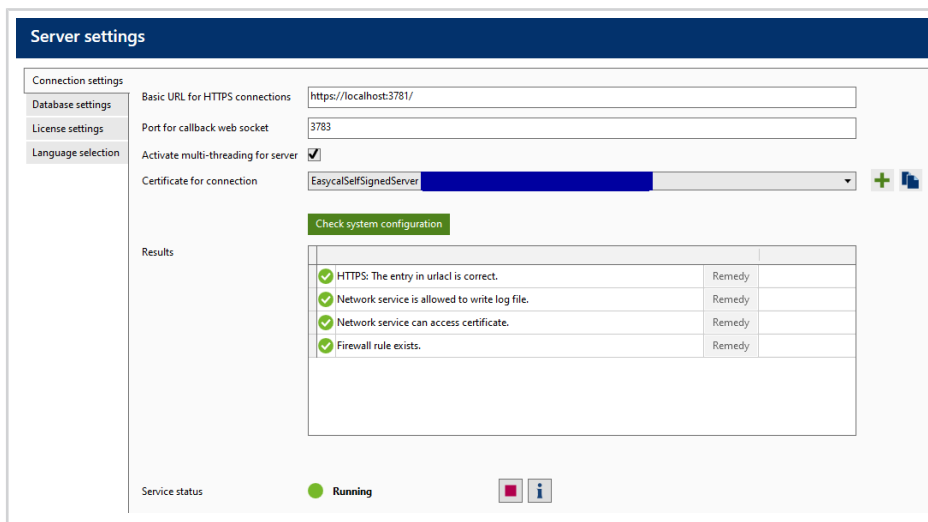
g. After completing the activation in the web browser, switch back to the EASYCAL™ 5 server software.

h. In the License settings tab click the button .



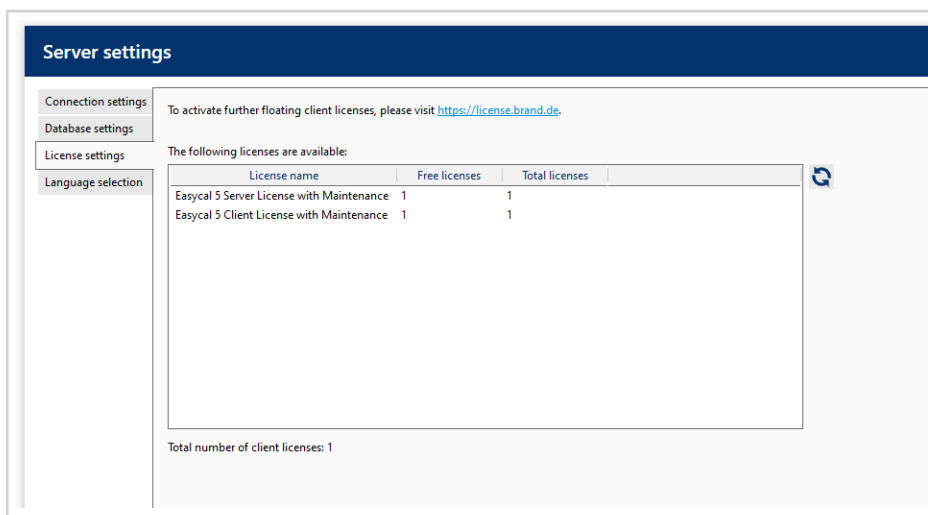
i. In this way, any number of clients can be linked to the server.

j. Finally, switch to the Connections settings tab and configure the server by clicking the button .



➤ This completes the preparations on the server.

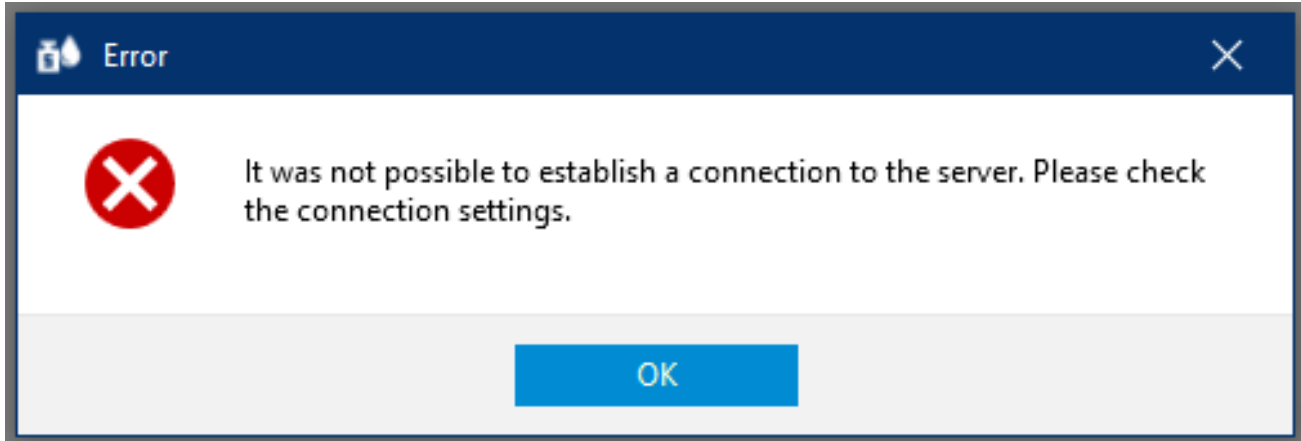
- k. From now on, the EASYCAL™ 5 client software can be installed on the client PCs in the network. As many client PCs with EASYCAL™ 5 can be operated in parallel as there are unused client licenses available on the EASYCAL™ 5 server. A current overview can be seen in the License settings tab.



## 7 First Client Start

a. Start the client with local admin rights.

→ After the start an error message appears, because the EASYCAL Client Software does not know the address to the EASYCAL server yet.



→ If the EASYCAL server is already configured and the Product activation required window appears when the client is started, the EASYCAL client cannot connect to the license server over the network. Remedy, see Configure the license server on the client, p. 41

b. Confirm Error message by clicking OK.

→ The window for entering the EASYCAL server address appears.

c. Copy the Basic URL and the Certificate for connection from the server into a text file. Then insert the entries as follows in the Client Software > Settings > Server settings.

Basic URL for HTTPS connections

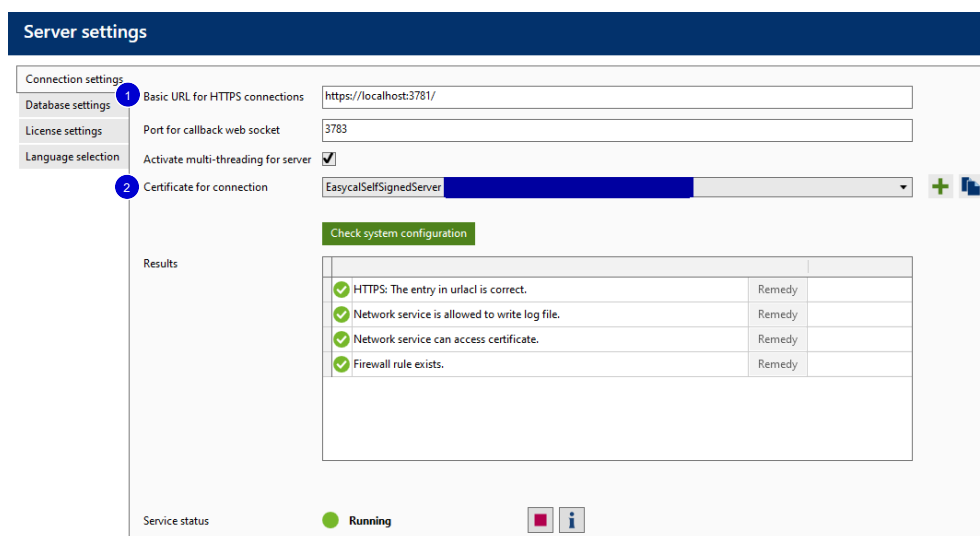
insert in

Server address

Certificate for connection

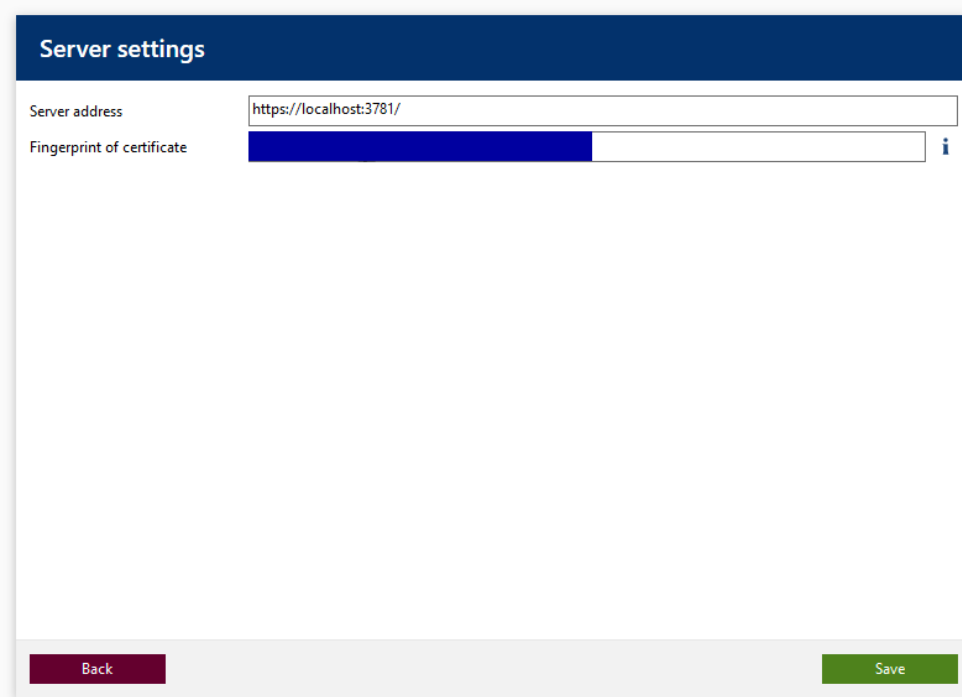
insert in

Fingerprint of certificate



1 Basic URL/Server address

2 Certificate for connection/finger print



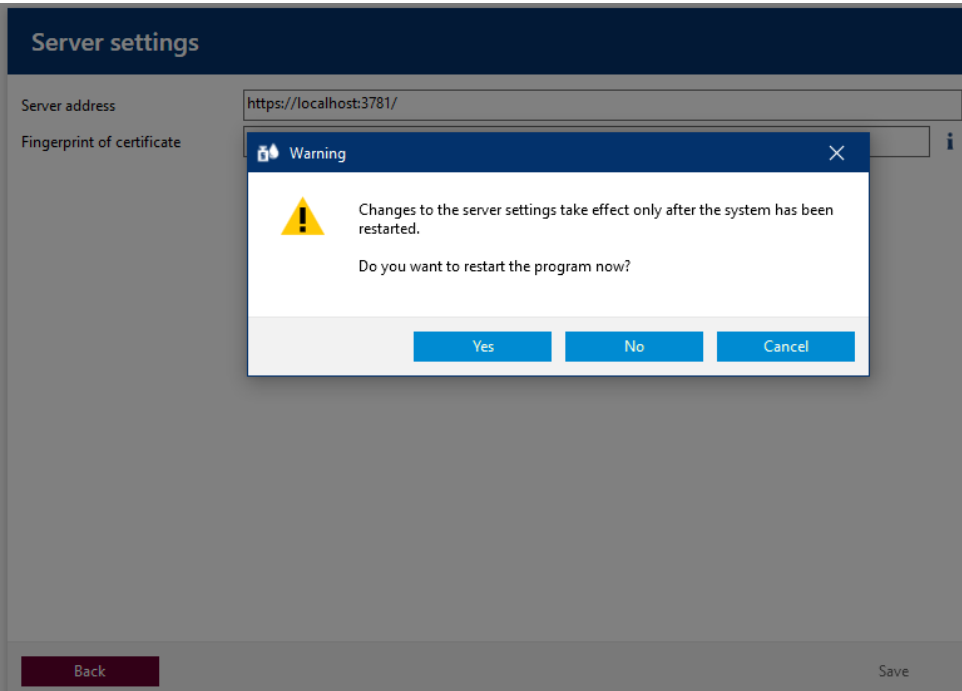
**Server settings**

Server address

Fingerprint of certificate

Back Save

d. Click on Save in the EASYCAL client software.



**Server settings**

Server address

Fingerprint of certificate

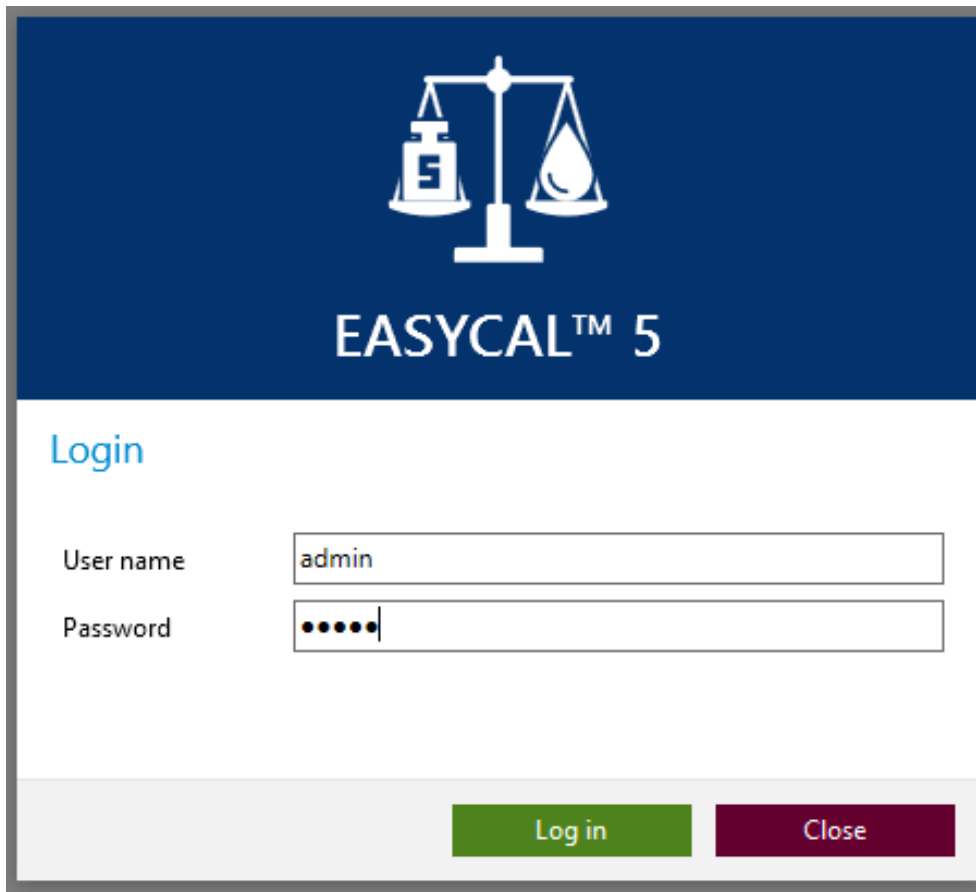
Warning

⚠ Changes to the server settings take effect only after the system has been restarted.  
Do you want to restart the program now?

Yes No Cancel

Back Save

e. Restart EASYCAL client.



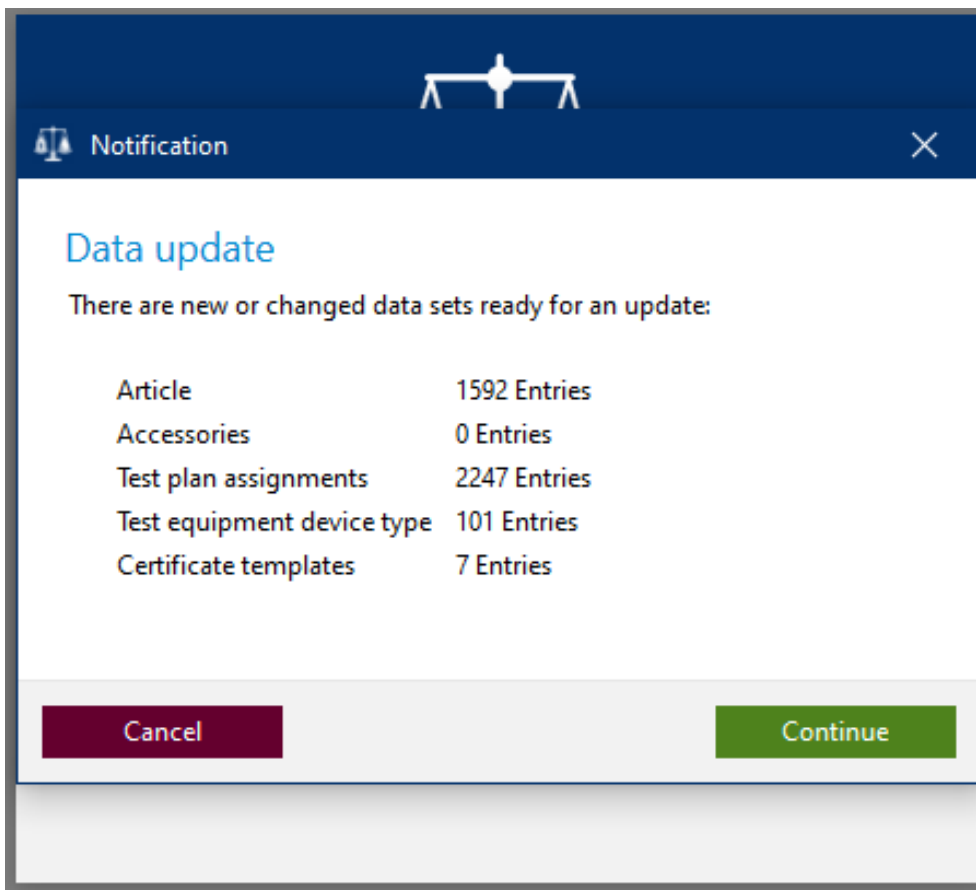
**EASYCAL™ 5**

Login

User name

Password

- f. Login with standard user (user: admin | password: start) in the EASYCAL client. If necessary, an update is installed, e.g. during the initial installation.



g. After this is finished, further EASYCAL clients can be started - if free licenses are available.

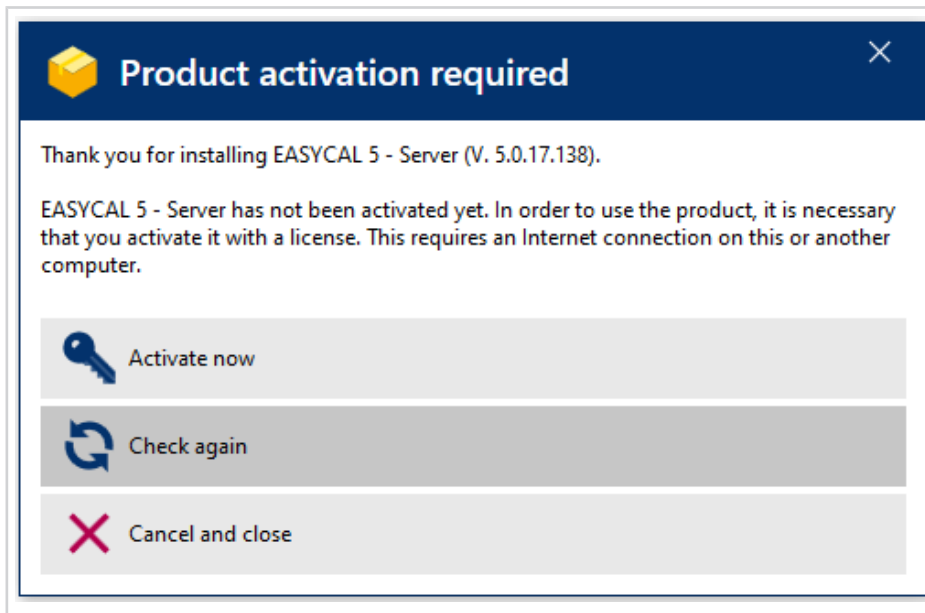
### NOTICE

#### Change default user

After completing the configuration work, change the default user (user: admin | password: start ) in order to prevent unauthorized access to the system.

#### EASYCAL client does not start | Product activation required appears

The EASYCAL client does not start even though the connection to the EASYCAL server has been configured. The Product activation required window appears because EASYCAL cannot reach the license server (network structure, security settings). To ensure that EASYCAL can still be operated, the license server can be accessed via the CodeMeter Control Center , see Configure the license server on the client, p. 41.





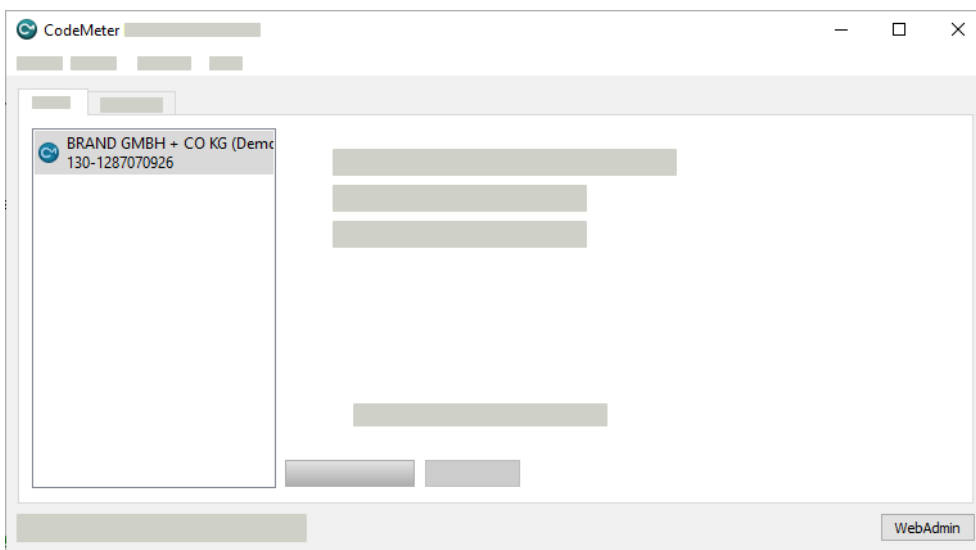
## 8 Configure the license server on the client

The license server can also be configured on the client via the CodeMeter Control Center if other connections to the license server over the network fail or are not possible.

Prerequisite:

- ✓ The IP address of the EASYCAL server must be known. Example: 192.168.3.169

- EASYCAL™ 5 Close.
- Open the CodeMeter Control Center and use the WebAdmin button to open the Web Interface.

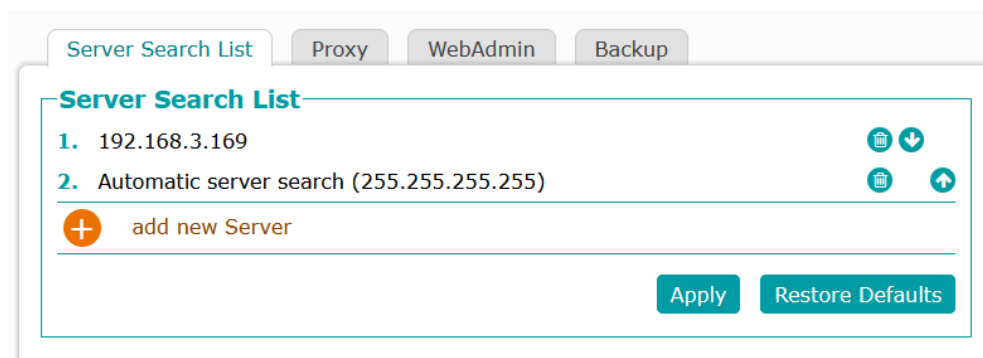


- From there, open Settings > Base > Server Search List in the navigation bar.



- Click add new Server .
- Enter the IP address 192.xxx.xxx.xxx of the EASYCAL server in the field and accept the entry. Example: 192.168.3.169

Configure the license server on the client



f. Start EASYCAL™ 5.

