



# 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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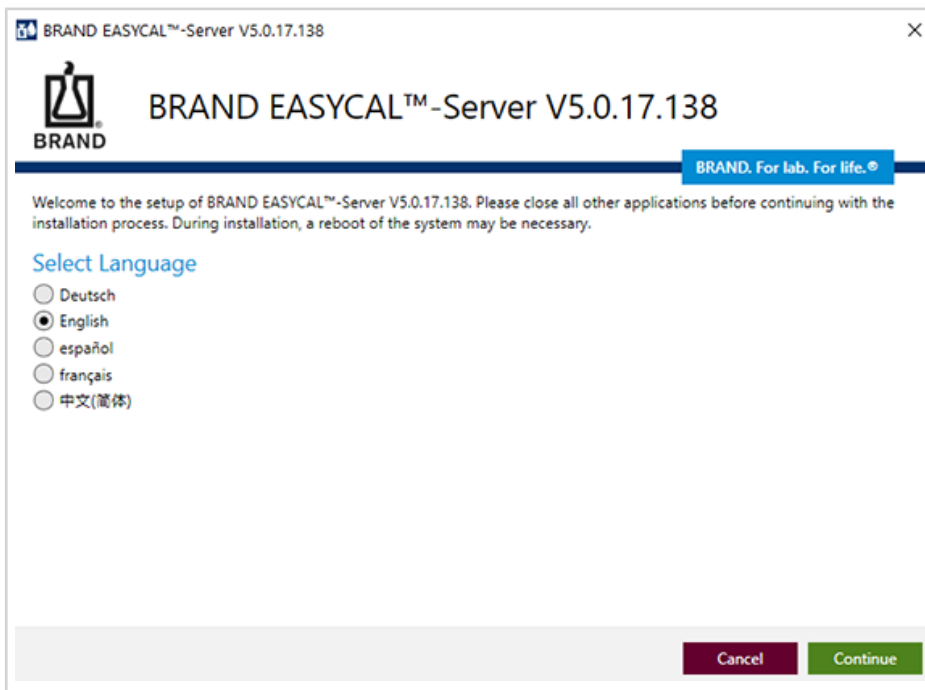
# 1 Systemvoraussetzungen

## Systemvoraussetzungen EASYCAL™ 5 als Server

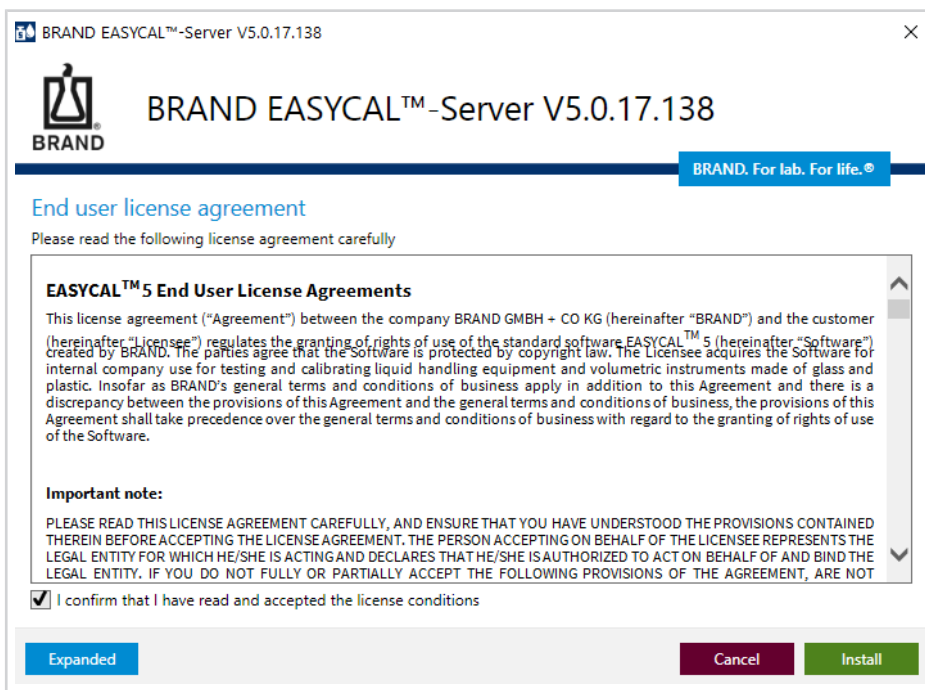
|                 | <b>Systemvoraussetzungen</b>                                                                                                                                                                                                               |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

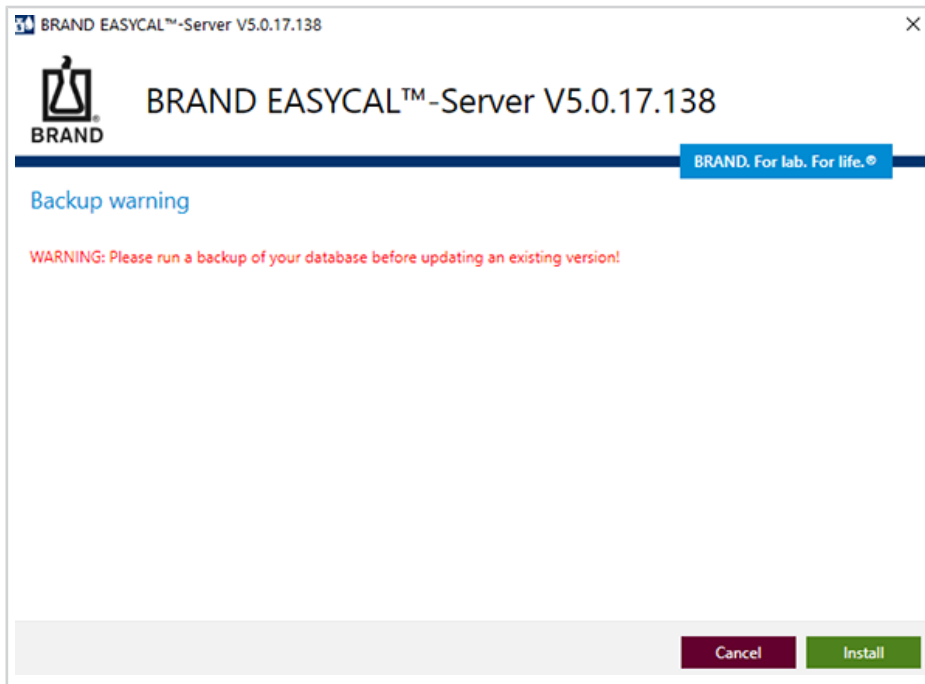
- a. Laden Sie die Installationsdatei herunter: <https://update.brand.de/EASYCAL5Server/EASYCAL-Server-Setup-latest.exe>
- b. Starten Sie den Installer mit lokalen Adminrechten und folgen Sie dem Dialog.
- c. Wählen Sie die Sprache der Installation aus. Die Sprache der Softwareoberfläche können Sie später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



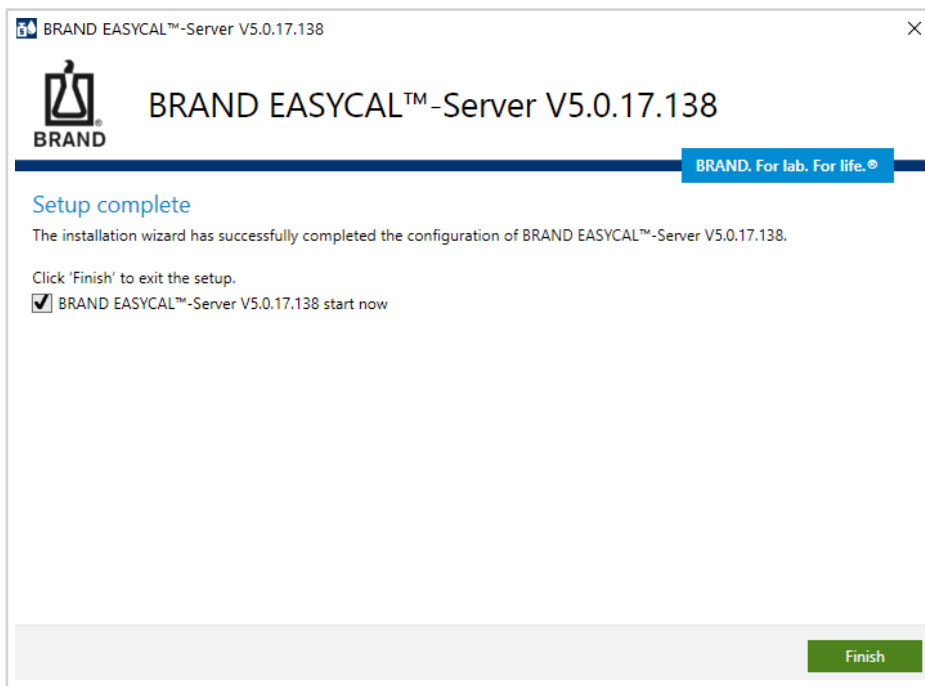
- d. Bestätigen Sie die Lizenzvereinbarung.



- 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.

#### License Activation

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".

License Code:

Next

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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

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

#### 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 | -            |               | Available |

Activate Licenses

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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

- c. Klicken Sie auf Activate Licenses.

## Activate Licenses

**To activate your licenses:**

1. Select the licenses you want to activate.
2. Select a license file to load the licenses into.
3. Click "Activate Selected Licenses Now".

| <input checked="" type="checkbox"/> | Name                                    | Activated On | Serial number | Status    |
|-------------------------------------|-----------------------------------------|--------------|---------------|-----------|
| <input checked="" type="checkbox"/> | Easycal 5 Server Lizenz Wartungsvertrag | -            |               | Available |

Select license file

select / create automatically 

**Activate Selected Licenses Now**

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**Product activation required**

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

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 **Activate now**

 **Check again**

 **Cancel and close**

- 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.

BRAND. For lab. For life.

## Activate Licenses

**To activate your licenses:**

1. Select the licenses you want to activate.
2. Select a license file to load the licenses into.
3. Click "Activate Selected Licenses Now".

| <input checked="" type="checkbox"/> | Name                                    | Activated On | Serial number | Status    |
|-------------------------------------|-----------------------------------------|--------------|---------------|-----------|
| <input checked="" type="checkbox"/> | Easycal 5 Server Lizenz Wartungsvertrag |              |               | Available |

Select license file

select / create automatically 

**Activate Selected Licenses Now**

[My Licenses](#)

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### Online License Transfer

Starting license transfer.  
 Downloading license template.  
 Registering license template.  
 Creating license request.  
 Downloading license update.  
 Importing license update into target.  
 Creating receipt.  
 Uploading receipt.

 License transfer completed successfully!

**OK**

**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**

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

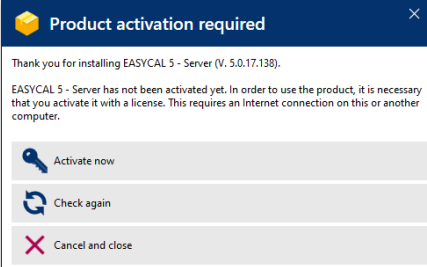
## My Licenses

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](#)
[Privacy statement](#) [Disclaimer](#) [Imprint](#) [Terms and conditions](#)

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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.

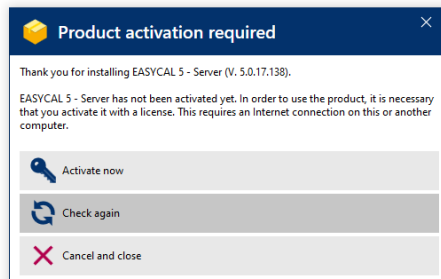
## My Licenses

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

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[Restore Licenses](#)
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**Product activation required**

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

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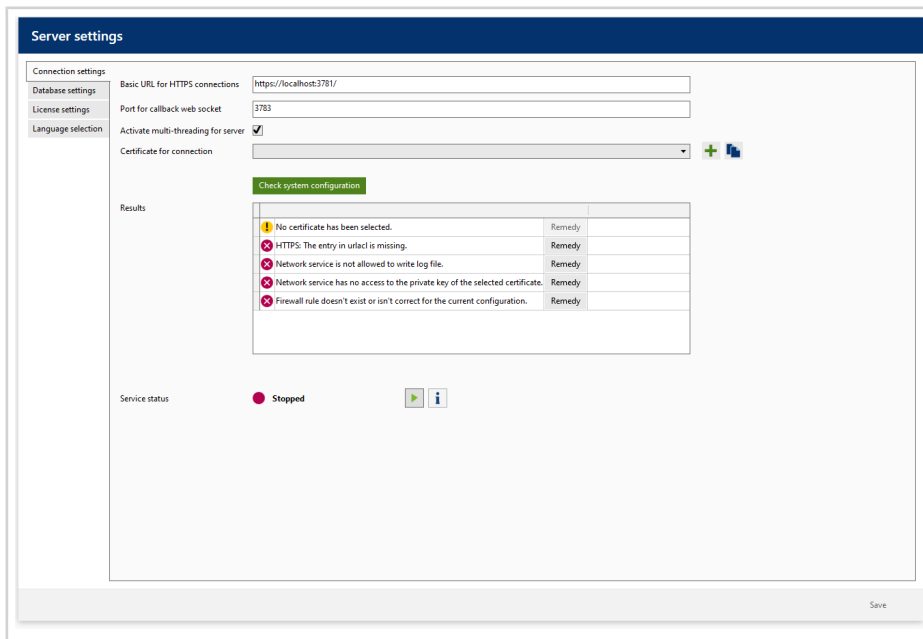
 [Activate now](#)

 [Check again](#)

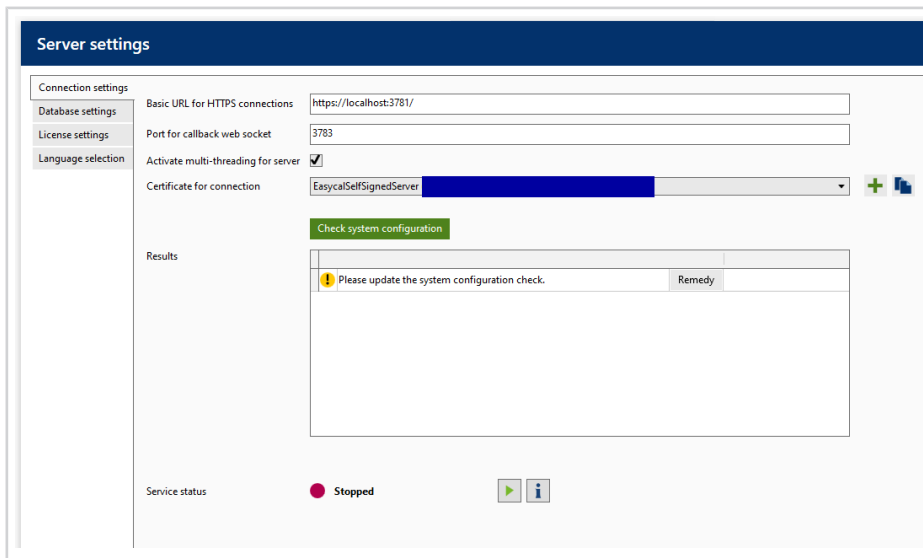
 [Cancel and close](#)

## 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 EasycaSelfSignedServer wählen.



c. Dann auf Check system configuration klicken.

**Server settings**

Connection settings: Basic URL for HTTPS connections:

Database settings: Port for callback web socket:

License settings: Activate multi-threading for server: ☒

Language selection: Certificate for connection: EasycaSelfSignedServer  

[Check system configuration](#)

Results

|                                                                                       |        |
|---------------------------------------------------------------------------------------|--------|
| ✗ HTTPS: The entry in urlacl is missing.                                              | Remedy |
| ⚠ HTTPS: The certificate for this connection does not match the selected certificate. | Remedy |
| ✗ Network service is not allowed to write log file.                                   | Remedy |
| ✓ Network service can access certificate.                                             | Remedy |
| ✗ Firewall rule doesn't exist or isn't correct for the current configuration.         | Remedy |

Service status: ● Stopped  

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

**Server settings**

Connection settings: Basic URL for HTTPS connections:

Database settings: Port for callback web socket:

License settings: Activate multi-threading for server: ☒

Language selection: Certificate for connection: EasycaSelfSignedServer  

[Check system configuration](#)

Results

|                                                 |        |
|-------------------------------------------------|--------|
| ✓ HTTPS: The entry in urlacl is correct.        | Remedy |
| ✓ Network service is allowed to write log file. | Remedy |
| ✓ Network service can access certificate.       | Remedy |
| ✓ Firewall rule exists.                         | Remedy |

Service status: ● Stopped  

d. Auf Save klicken.

**Server settings**

Connection settings: Basic URL for HTTPS connections:

Database settings: Port for callback web socket:

License settings: Activate multi-threading for server: ☒

Language selection: Certificate for connection: EasycaSelfSignedServer  

[Check system configuration](#)

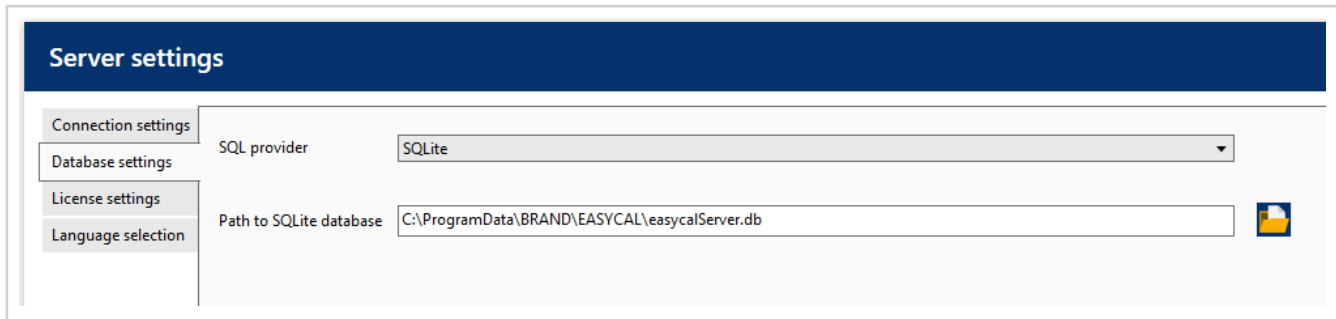
Results

|                                                 |        |
|-------------------------------------------------|--------|
| ✓ HTTPS: The entry in urlacl is correct.        | Remedy |
| ✓ Network service is allowed to write log file. | Remedy |
| ✓ Network service can access certificate.       | Remedy |
| ✓ Firewall rule exists.                         | Remedy |

Service status: ● Stopped  

## 5 Datenbankeinstellungen

In den Reiter Database Settings wechseln. Für einfache Netzwerke (bzw. wenn nicht bereits ein MS SQL Server vorhanden ist) lässt man die Einstellungen auf SQLite. Der Pfad auf die EasyCAL Datenbank sollte nicht verändert werden. Das Verschieben auf ein „Netzlaufwerk“ wird nicht unterstützt.



The screenshot shows a window titled "Server settings" with a dark blue header. On the left, there is a vertical sidebar with four tabs: "Connection settings", "Database settings", "License settings", and "Language selection". The "Database settings" tab is currently selected. The main area of the window contains two settings:

- SQL provider:** A dropdown menu with "SQLite" selected.
- Path to SQLite database:** A text input field containing the path "C:\ProgramData\BRAND\EASYCAL\easyCALServer.db". To the right of the text field is a small blue folder icon.

## 6 Client-Lizenzen hinzufügen

- a. In den Reiter License settings gehen.

The screenshot shows the 'Server settings' window with the 'License settings' tab selected. The left sidebar contains 'Connection settings', 'Database settings', 'License settings', and 'Language selection'. The main area has a message: 'To activate further floating client licenses, please visit <https://license.brand.de>.' Below this is a red error message: 'The number of available client licenses could not be determined.' A table with columns 'License name', 'Free licenses', and 'Total licenses' is shown, but it is empty. A refresh icon is on the right.

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

The screenshot shows the 'License Activation' page. It has a heading 'License Activation' and a subheading '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 input field. A 'Next' button is at the bottom left.

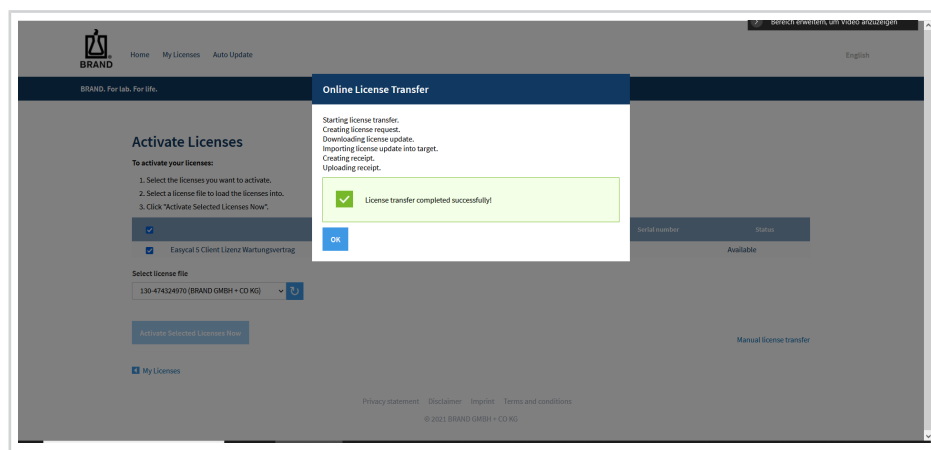
- c. Dem Dialog zur Lizenzaktivierung folgen analog zu der zuvor beschriebenen Lizenzaktivierung des Servers. Clientlizenzen sind über den BRAND Webshop (<https://shop.brand.de>) zu beziehen.
- d. Den Lizenzcontainer des Servers auswählen. Es sollte aber nur ein Container zur Auswahl stehen.

The screenshot shows the 'Activate Licenses' dialog. It has a heading 'Activate Licenses' and a subheading 'To activate your licenses:'. Below this are three steps: '1. Select the licenses you want to activate.', '2. Select a license file to load the licenses into.', and '3. Click "Activate Selected Licenses Now".' A table with columns 'Name', 'Activated On', 'Serial number', and 'Status' is shown. The table has one row: 'EasyCAL 5 Client Lizenz Wartungsvertrag' with status 'Available'. Below the table is a 'Select license file' section with a dropdown menu showing '130-474324970 (BRAND GMBH + CO KG)' and a refresh icon. An 'Activate Selected Licenses Now' button is at the bottom left. A 'Manual license transfer' link is at the bottom right. A 'My Licenses' link is at the bottom left.

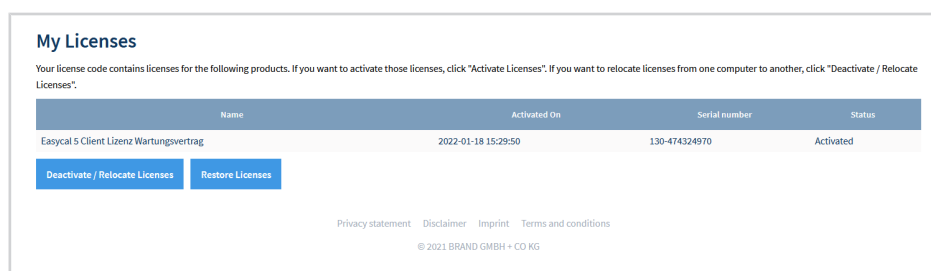
- e. Activate Selected Licenses Now anklicken.

➞ Die Lizenz ist aktiviert.

## Client-Lizenzen hinzufügen

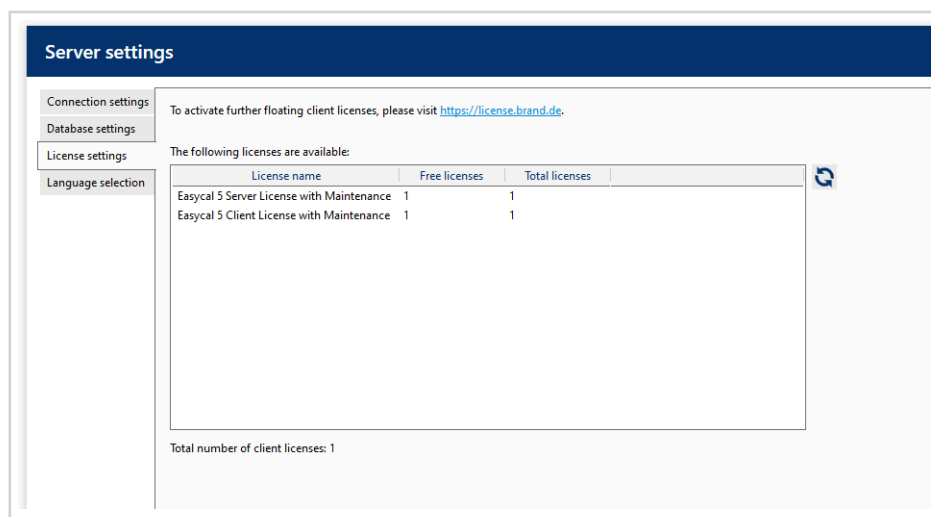


f. Mit OK bestätigen.



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.

**Server settings**

Connection settings: Basic URL for HTTPS connections:

Database settings: Port for callback web socket:

License settings: Activate multi-threading for server: ☒

Language selection: Certificate for connection:

Check system configuration

Results

|                                                 |        |
|-------------------------------------------------|--------|
| ✓ HTTPS: The entry in urlacl is correct.        | Remedy |
| ✓ Network service is allowed to write log file. | Remedy |
| ✓ Network service can access certificate.       | Remedy |
| ✓ Firewall rule exists.                         | Remedy |

Service status: ● Running

➔ 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.

**Server settings**

Connection settings: To activate further floating client licenses, please visit <https://license.brand.de>.

Database settings:

License settings: The following licenses are available:

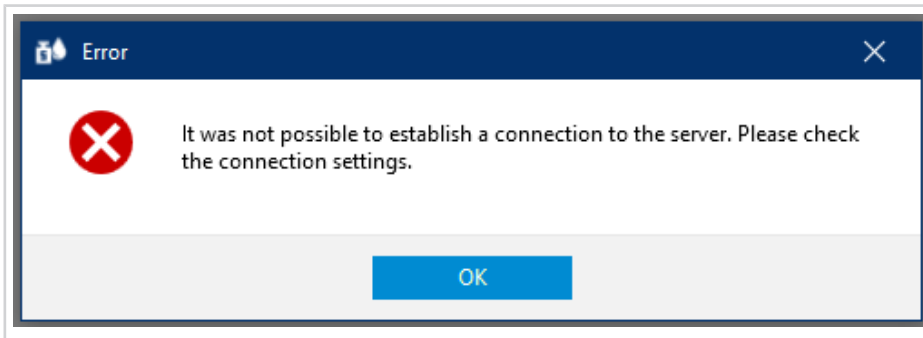
| License name                              | Free licenses | Total licenses |
|-------------------------------------------|---------------|----------------|
| EasyCal 5 Server License with Maintenance | 1             | 1              |
| EasyCal 5 Client License with Maintenance | 1             | 1              |

Total number of client licenses: 1

## 7 Erster Client-Start

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

➔ Nach dem Start erscheint eine Fehlermeldung, da der Client noch nicht die Adresse zum Server kennt.



b. Bestätigen Sie die Fehlermeldung mit Klick auf OK.

➔ Es erscheint das Fenster für die Eingaben der Serveradresse.

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

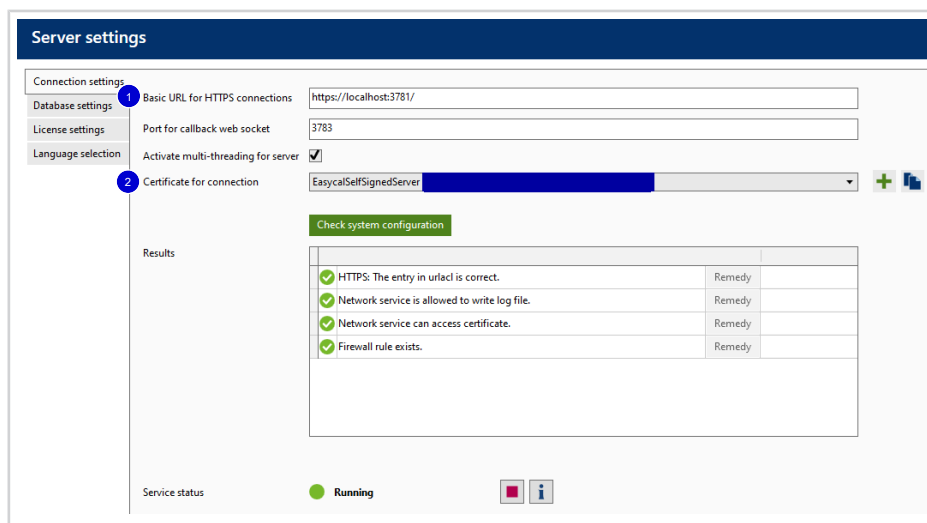
einfügen in

Server address

Certificate for connection

einfügen in

Fingerprint of certificate



1 Basic URL/Server Adresse

2 Certificate for connection/Fingerprint

**Server settings**

Server address:

Fingerprint of certificate:

d. In der Client Software auf Save klicken.

**Server settings**

Server address:

Fingerprint of certificate:

**Warning**

Changes to the server settings take effect only after the system has been restarted.

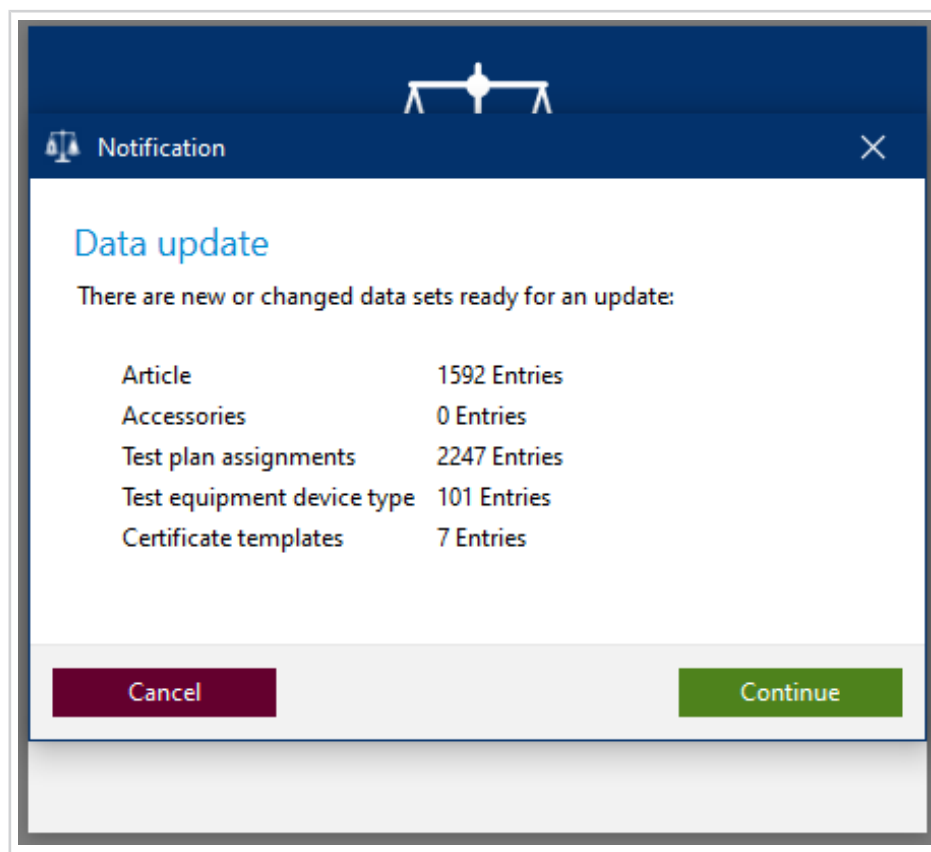
Do you want to restart the program now?

e. Client neu starten.



The login screen features a dark blue header with a white icon of a balance scale with a Euro symbol on the left pan. Below the icon, the text "EASYCAL™ 5" is displayed in white. The main area is white and contains the word "Login" in blue. There are two input fields: "User name" with the text "admin" and "Password" with five black dots. At the bottom, there are two buttons: a green "Log in" button and a maroon "Close" button.

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



The notification dialog has a dark blue header with a white balance scale icon and the text "Notification" in white. The main area is white and contains the text "Data update" in blue. Below this, it says "There are new or changed data sets ready for an update:". A table lists the data sets and their entry counts:

|                            |              |
|----------------------------|--------------|
| Article                    | 1592 Entries |
| Accessories                | 0 Entries    |
| Test plan assignments      | 2247 Entries |
| Test equipment device type | 101 Entries  |
| Certificate templates      | 7 Entries    |

At the bottom, there are two buttons: a maroon "Cancel" button and a green "Continue" button.

- g.** Nachdem dieses beendet ist, können weitere Clients gestartet werden – falls 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!

---

## Imprint

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- 7    **First Client Start ..... 34**

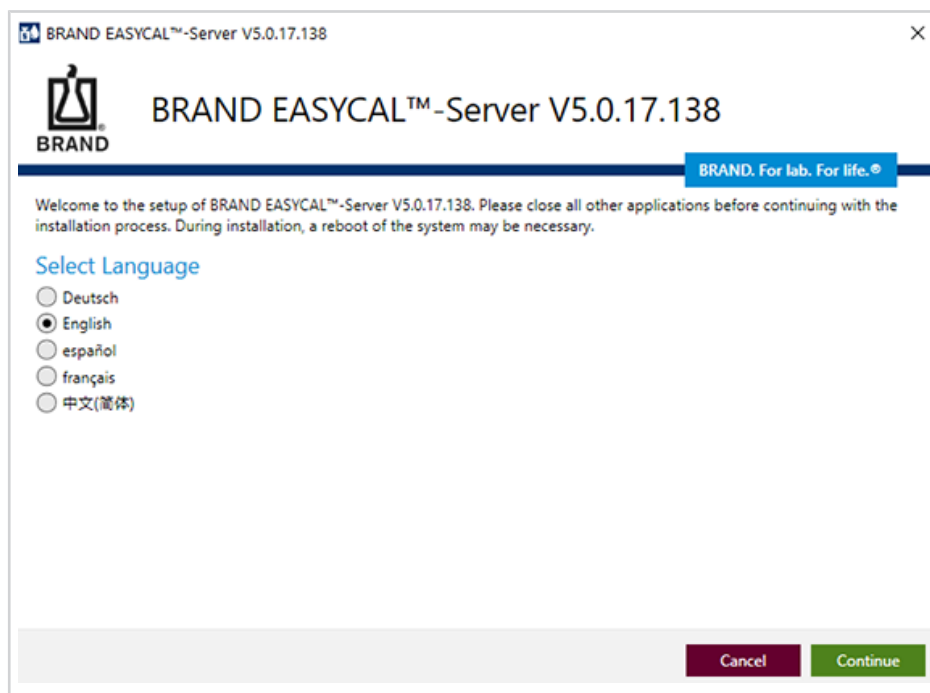
# 1 System requirements

## System requirements EASYCAL™ 5 as Server

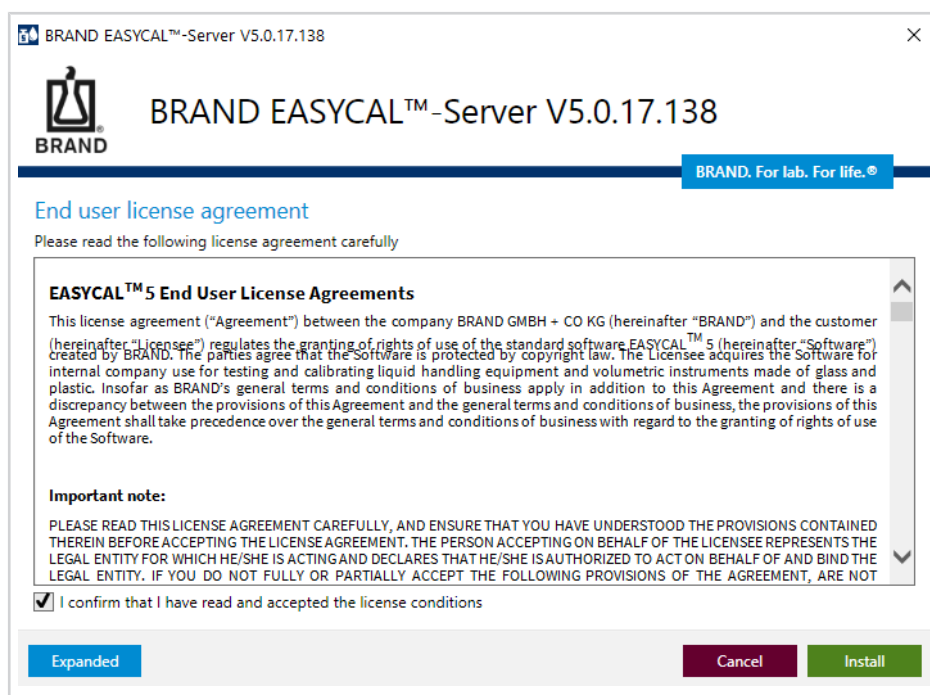
|                  | <b>System requirements</b>                                                                                                                                                                                                 |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU:             | Processor with min. 1 GHz clock rate                                                                                                                                                                                       |
| Working memory   | min. 16 GB RAM                                                                                                                                                                                                             |
| Network          | Local network infrastructure                                                                                                                                                                                               |
| Operating System | from version Windows 10, alternatively also Windows Server 2016                                                                                                                                                            |
| Data base        | 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. Alternative: SQL Server from version Microsoft SQL Server 2016 |
| Internet         | A permanent broadband internet connection is highly recommended                                                                                                                                                            |

## 2 Installation

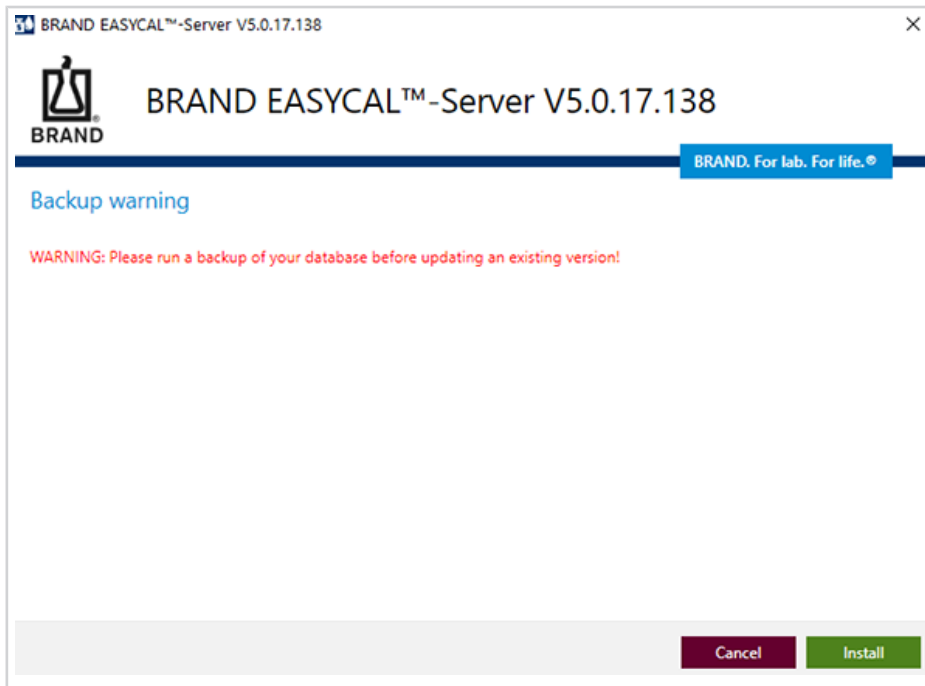
- a. Download the installation file: <https://update.brand.de/EASYCAL5Server/EASYCAL-Server-Setup-lat-est.exe>
- b. Start the installer using local admin rights and follow the dialog.
- c. Choose installation language. You can change the software language later on.



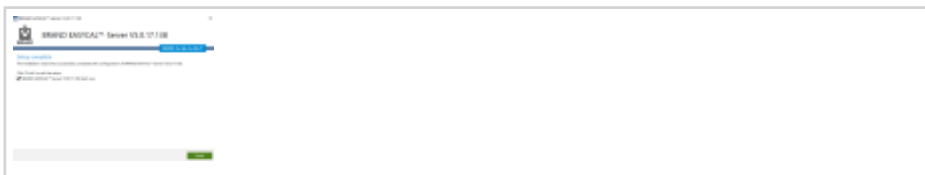
- d. Confirm the license agreement.



- 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.

#### License Activation

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".

License Code:

Next

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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

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

#### 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 | -            |               | Available |

Activate Licenses

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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

- c. Click on Activate Licenses.

## Activate Licenses

**To activate your licenses:**

1. Select the licenses you want to activate.
2. Select a license file to load the licenses into.
3. Click "Activate Selected Licenses Now".

| <input checked="" type="checkbox"/> | Name                                    | Activated On | Serial number | Status    |
|-------------------------------------|-----------------------------------------|--------------|---------------|-----------|
| <input checked="" type="checkbox"/> | Easycal 5 Server Lizenz Wartungsvertrag | -            |               | Available |

Select license file

select / create automatically

**Activate Selected Licenses Now**

[My Licenses](#)

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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**

- 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.

BRAND. For lab. For life.

## Activate Licenses

**To activate your licenses:**

1. Select the licenses you want to activate.
2. Select a license file to load the licenses into.
3. Click "Activate Selected Licenses Now".

| <input checked="" type="checkbox"/> | Name                                    | Activated On | Serial number | Status    |
|-------------------------------------|-----------------------------------------|--------------|---------------|-----------|
| <input checked="" type="checkbox"/> | Easycal 5 Server Lizenz Wartungsvertrag |              |               | Available |

Select license file

select / create automatically

**Activate Selected Licenses Now**

[My Licenses](#)

[Privacy statement](#) [Disclaimer](#) [Imprint](#) [Terms and conditions](#)

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**Online License Transfer**

Starting license transfer.  
 Downloading license template.  
 Registering license template.  
 Creating license request.  
 Downloading license update.  
 Importing license update into target.  
 Creating receipt.  
 Uploading receipt.

License transfer completed successfully!

**OK**

**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**

- 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".

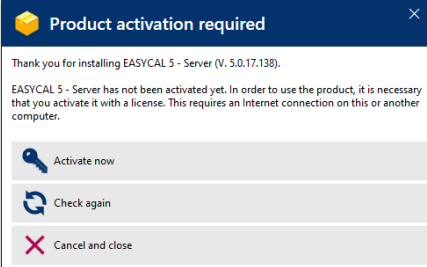
| Name                                    | Activated On        | Serial number | Status    |
|-----------------------------------------|---------------------|---------------|-----------|
| Easycal 5 Server Lizenz Wartungsvertrag | 2022-01-17 15:20:12 | 130-474324970 | Activated |

Deactivate / Relocate Licenses

Restore Licenses

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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".

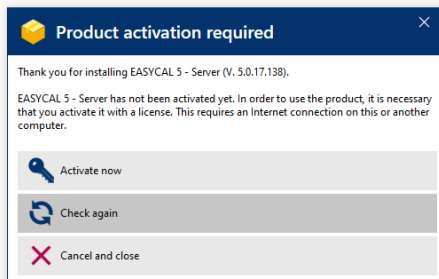
| Name                                    | Activated On        | Serial number | Status    |
|-----------------------------------------|---------------------|---------------|-----------|
| Easycal 5 Server Lizenz Wartungsvertrag | 2022-01-17 15:20:12 | 130-474324970 | Activated |

Deactivate / Relocate Licenses

Restore Licenses

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**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.

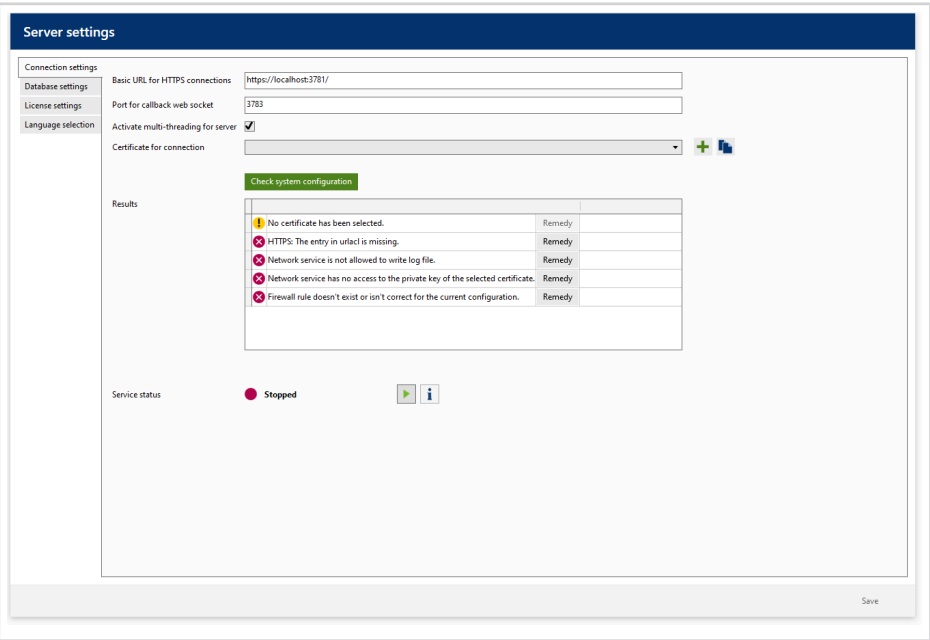
 [Activate now](#)

 [Check again](#)

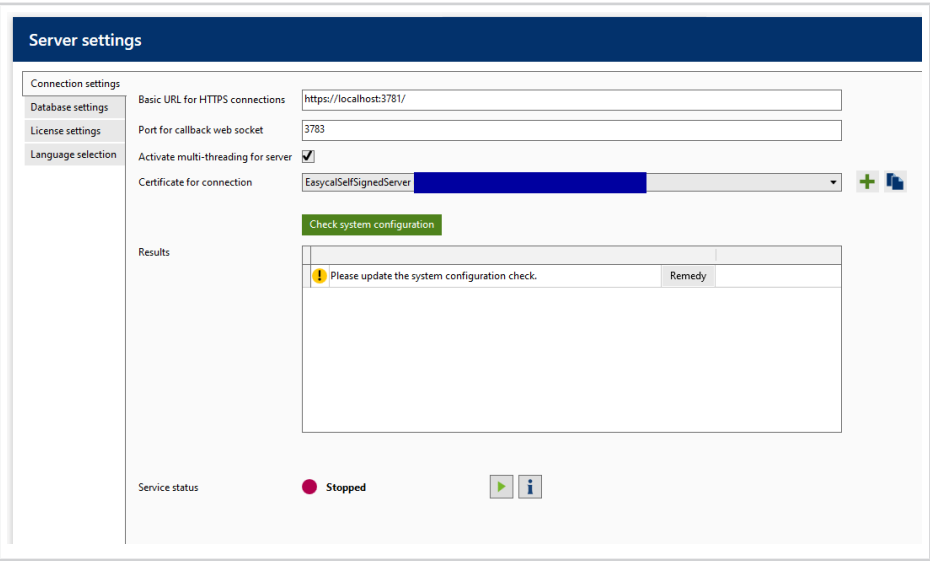
 [Cancel and close](#)

# 4 Server software settings

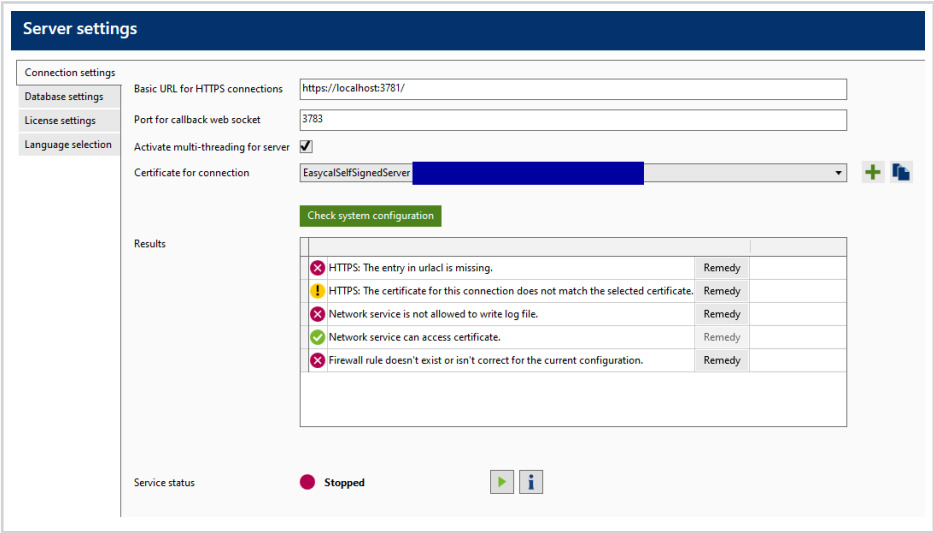
a. After clicking Check Again in the Product activation required window, the server software opens.



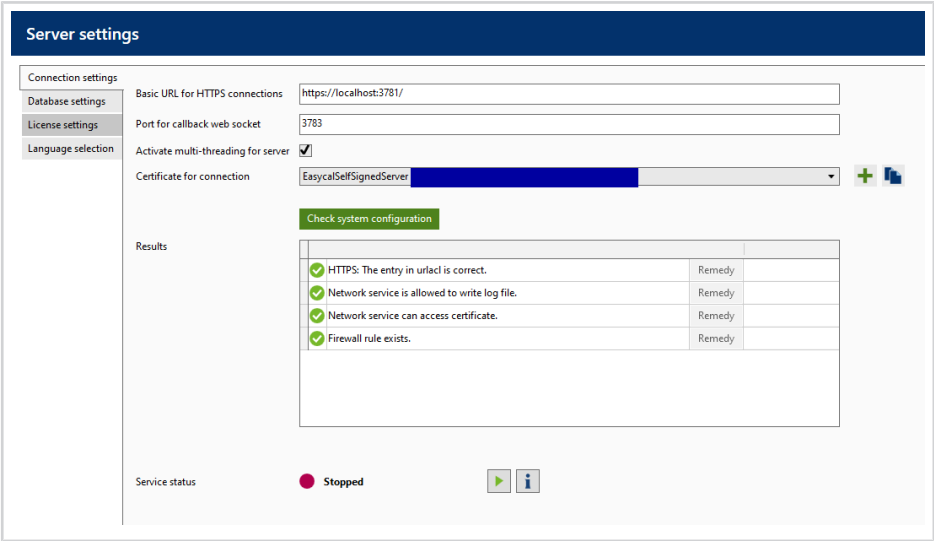
b. Click on the plus symbol at Certificate for connection and select EasycaSelfSignedServer.



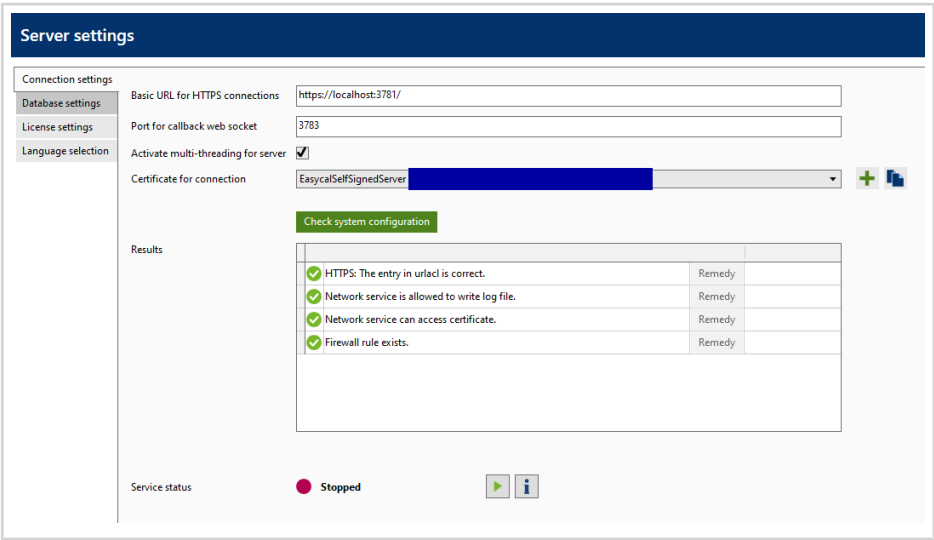
c. Then click on Check system configuration .



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

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 of the database to a "network drive" is not supported.

Server settings

Connection settings

Database settings

License settings

Language selection

SQL provider

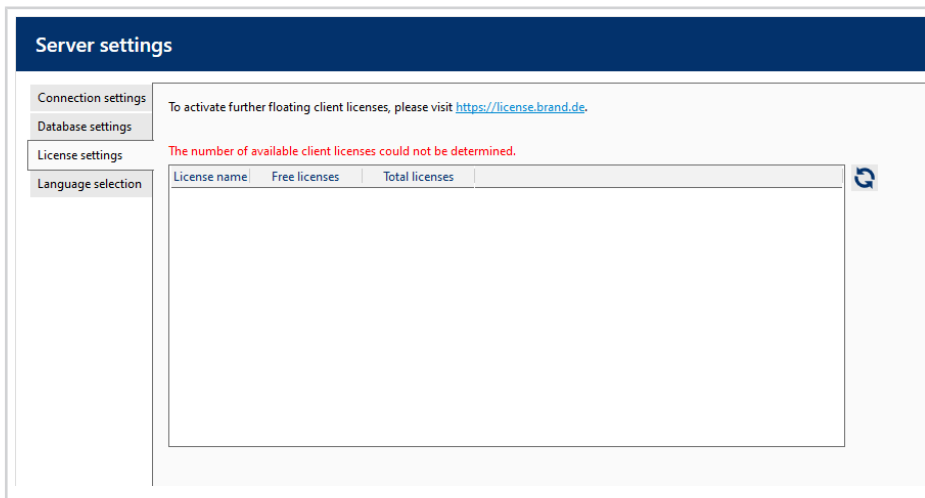
SQLite

Path to SQLite database

C:\ProgramData\BRAND\EASYCAL\easyserver.db

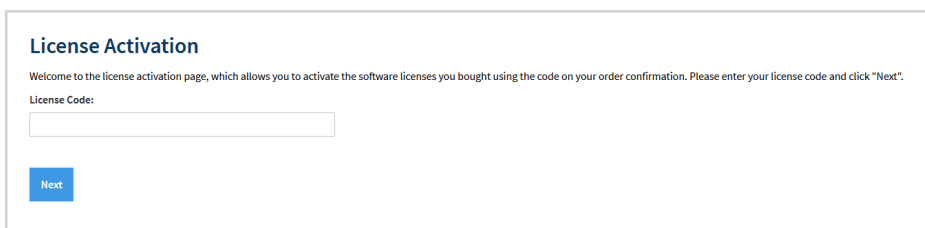
## 6 Add client licenses.

- a. Go to tab License settings.



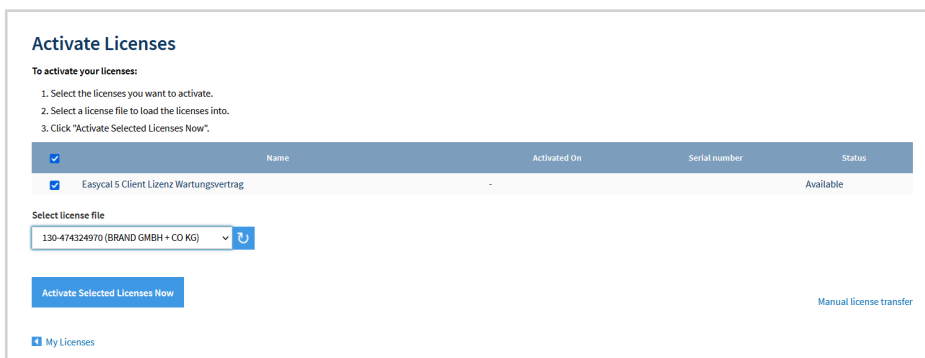
The screenshot shows the 'Server settings' window. On the left, there is a sidebar with four tabs: 'Connection settings', 'Database settings', 'License settings' (which is selected), and 'Language selection'. The main area of the window has a dark blue header 'Server settings'. Below the header, there is a message: 'To activate further floating client licenses, please visit <https://license.brand.de>.' Below this, a red error message states: 'The number of available client licenses could not be determined.' Underneath the error message is a table with three columns: 'License name', 'Free licenses', and 'Total licenses'. The table is currently empty. To the right of the table is a circular refresh icon.

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



The screenshot shows the 'License Activation' page. It has a title 'License Activation' and a welcome message: '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 the message is a label 'License Code:' followed by a text input field. At the bottom left, there is a blue button labeled 'Next'.

- 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.

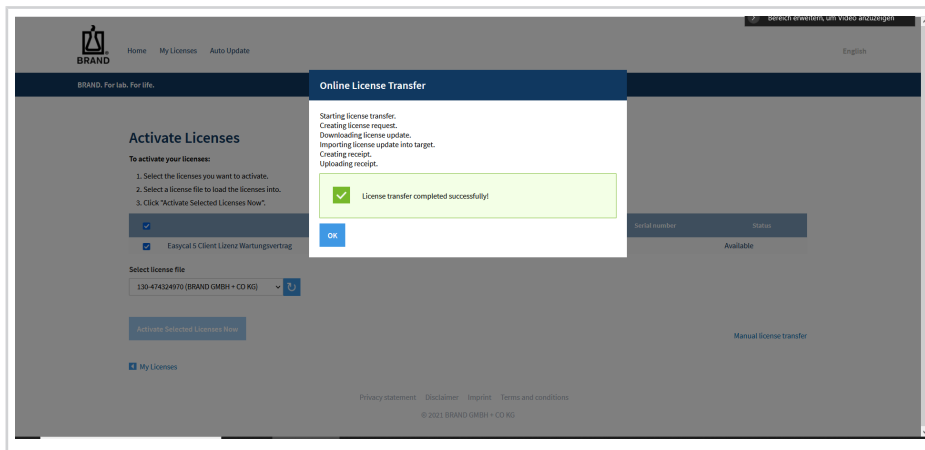


The screenshot shows the 'Activate Licenses' dialog. It has a title 'Activate Licenses' and instructions: 'To activate your licenses: 1. Select the licenses you want to activate. 2. Select a license file to load the licenses into. 3. Click "Activate Selected Licenses Now".' Below the instructions is a table with columns: 'Name', 'Activated On', 'Serial number', and 'Status'. The table has one row with a checked checkbox in the first column, the name 'EasyCAL 5 Client Lizenz Wartungsvertrag', an empty 'Activated On' field, a dash '-' for 'Serial number', and the status 'Available'. Below the table is a section 'Select license file' with a dropdown menu showing '130-474324970 (BRAND GMBH + CO KG)' and a circular refresh icon. At the bottom left, there is a blue button labeled 'Activate Selected Licenses Now'. At the bottom right, there is a link labeled 'Manual license transfer'. At the very bottom left, there is a link labeled 'My Licenses'.

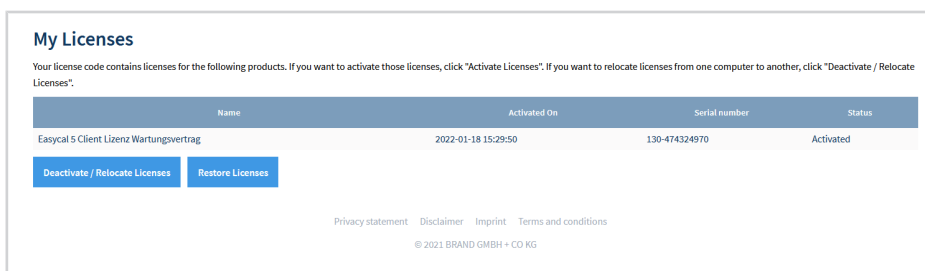
- e. Click on Activate Selected Licenses Now .

➞ The license is now activated.

Add client licenses.

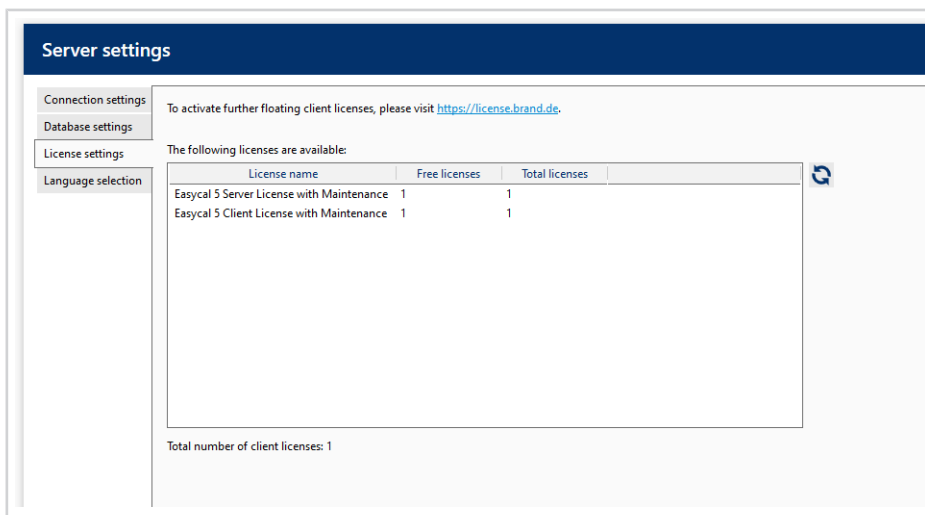


f. Confirm with OK.



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 .

**Server settings**

Connection settings: Basic URL for HTTPS connections:

Database settings: Port for callback web socket:

License settings: Activate multi-threading for server: ☒

Language selection: Certificate for connection:

Check system configuration

Results

|                                                 |        |
|-------------------------------------------------|--------|
| ✓ HTTPS: The entry in urlacl is correct.        | Remedy |
| ✓ Network service is allowed to write log file. | Remedy |
| ✓ Network service can access certificate.       | Remedy |
| ✓ Firewall rule exists.                         | Remedy |

Service status: ● Running

➔ 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.

**Server settings**

Connection settings: To activate further floating client licenses, please visit <https://license.brand.de>.

Database settings:

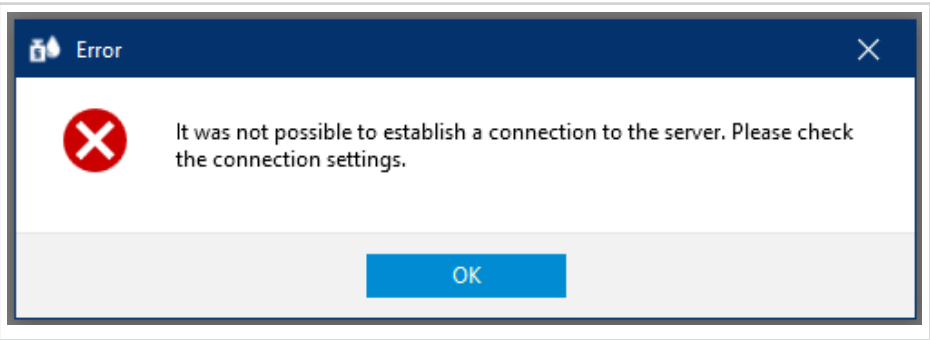
License settings: The following licenses are available:

| License name                             | Free licenses | Total licenses |
|------------------------------------------|---------------|----------------|
| Easyca 5 Server License with Maintenance | 1             | 1              |
| Easyca 5 Client License with Maintenance | 1             | 1              |

Total number of client licenses: 1

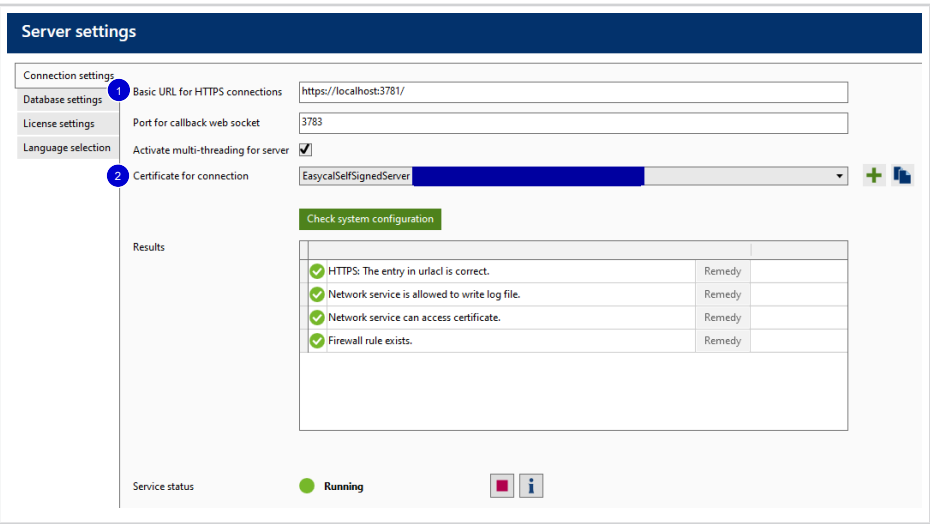
# 7 First Client Start

- a. Start the client with local admin rights.
- ➔ After the start an error message appears, because the client does not know the address to the server yet.



- b. Confirm Error message by clicking OK.
- ➔ The window for entering the 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 client software.

Server settings

Server address

Fingerprint of certificate

Back Save

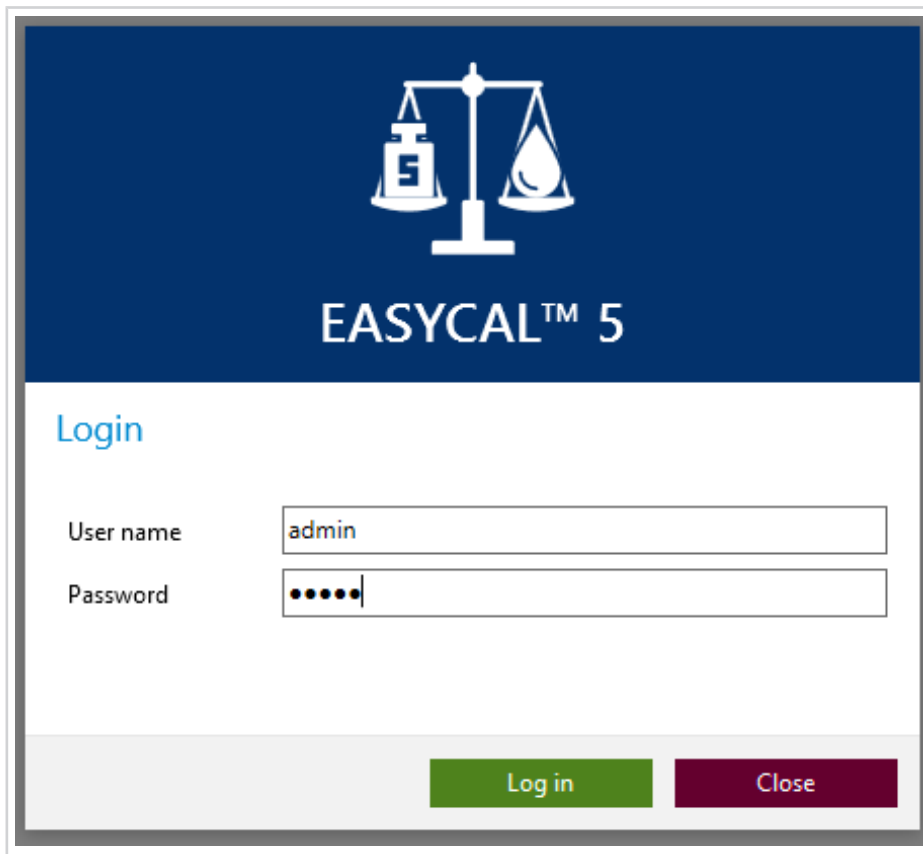
**Warning**

Changes to the server settings take effect only after the system has been restarted.

Do you want to restart the program now?

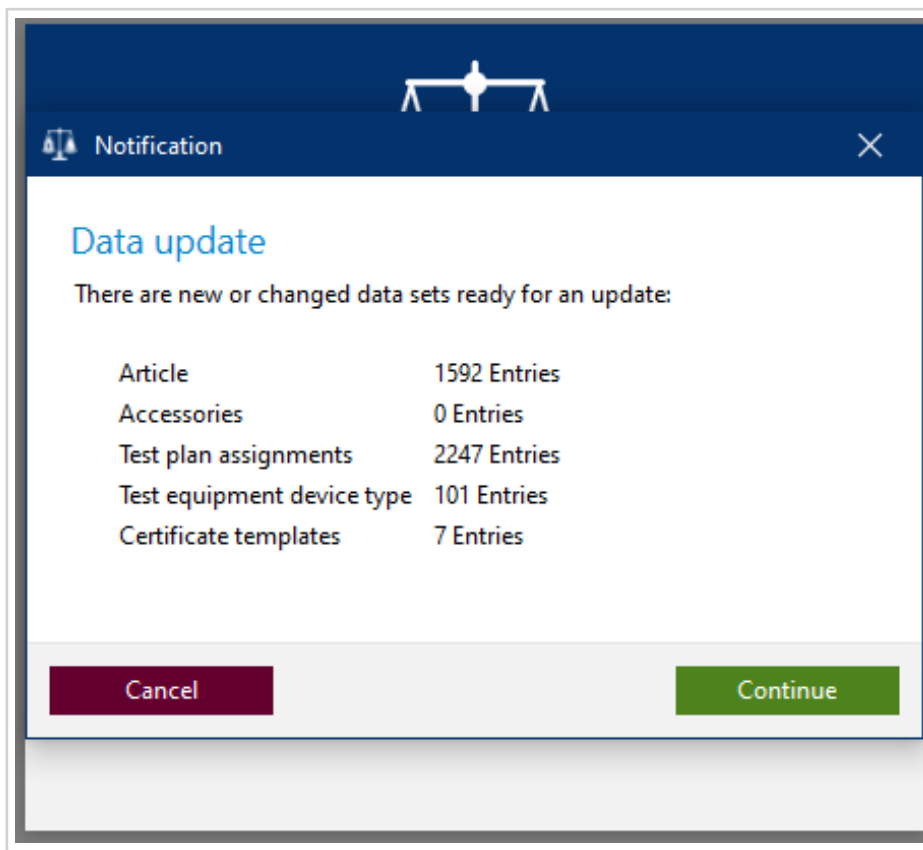
Yes No Cancel

e. Restart client.



The login screen features a dark blue header with a white icon of a balance scale with a weight labeled 'E' on the left pan. Below the icon, the text 'EASYCAL™ 5' is displayed in white. The main area is white and contains the word 'Login' in blue. There are two input fields: 'User name' with the text 'admin' and 'Password' with five black dots. At the bottom, there are two buttons: a green 'Log in' button and a maroon 'Close' button.

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



The notification dialog has a dark blue header with a white icon of a balance scale and the text 'Notification' in white. The main area is white and contains the text 'Data update' in blue. Below this, it says 'There are new or changed data sets ready for an update:'. A table lists the data sets and their entry counts:

|                            |              |
|----------------------------|--------------|
| Article                    | 1592 Entries |
| Accessories                | 0 Entries    |
| Test plan assignments      | 2247 Entries |
| Test equipment device type | 101 Entries  |
| Certificate templates      | 7 Entries    |

At the bottom, there are two buttons: a maroon 'Cancel' button and a green 'Continue' button.

- g. After this is finished, further 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) to avoid unauthorized access to the system!

---

