



# Lawo WIBU Licensing

## User Manual

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This user manual describes the activation and management of Lawo WIBU licenses.

The following products are licensed using this system.

- diamond
- ruby
- crystal
- Power Core
- VisTool
- Lawo VSC



# 1 License Activation - First Steps

Lawo licenses are managed by the **CodeMeter Runtime** licensing system from [WIBU systems](#).

- For software-based products, the license can be installed into a local container (on your computer), a remote container (on a networked server), or onto a USB dongle (for portability).
- For hardware products, the license must be installed onto the USB dongle supplied with the device.

## 1.1 About the Dongles

All dongles are specially-configured USB memory sticks that must be purchased from either [Lawo](#) or [WIBU systems](#).

The dongles supplied for software and hardware products ship with different file systems, so **it is important not to mix up the dongle types**.

If you have purchased a dongle for a Lawo software application, then this will have a metal "LAWO logo" tag attached as shown below. Multiple software products can be licensed from a single dongle.



The dongle supplied for hardware products are stand-alone (with no metal tag).

## 1.2 Preparing for Activation

To activate a license, you will need:

- A computer with an internet connection (and USB port if using a dongle). If there is no internet connection, then the [offline activation](#) method can be used.
- The WIBU systems USB memory stick (if using a dongle).
- The license code. This can be found on the delivery note shipped with the system (or in the confirmation email for software-based products).

The computer must be installed with **CodeMeter Runtime** (from WIBU systems).

## 1.3 Installing the Licensing Software

The correct version of **CodeMeter Runtime** is included with the software installation package for your product. This means that it should already be installed, providing you followed the recommended installation procedure.

On a Windows PC, you can check the installation by looking in the taskbar where you should see the following icon. This shows that a Cm container (for local license storage) has been installed.



If you skipped the CodeMeter Runtime installation earlier, then there are two options:

- either go back to your Lawo software package and run the **Cm Runtime** installer,
- or download the installer from WIBU systems at: <https://www.wibu.com/support/user/user-software.html>. In this instance, take care to download the correct version for your operating system.



## 2 License Activation - Online Method

This topic describes how to activate a Lawo WIBU license using the online activation method.

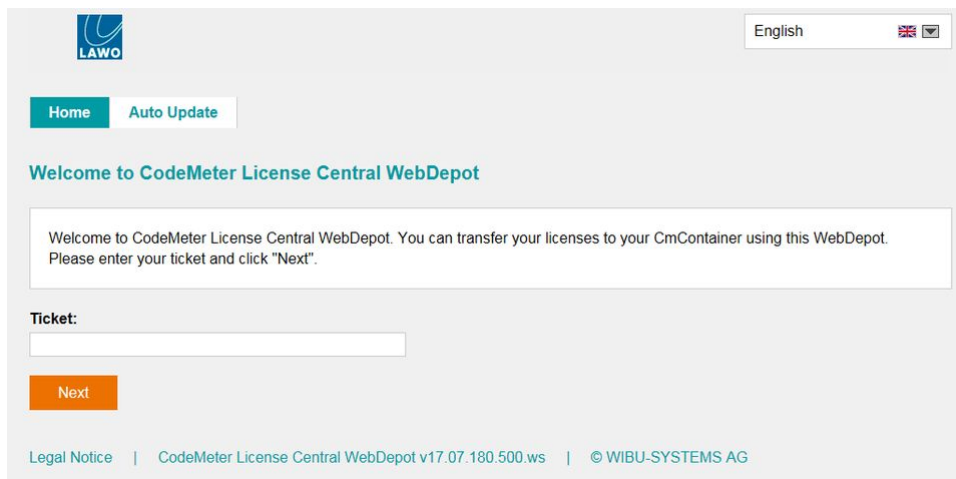
### 2.1 Prerequisites

To use this method, your computer must have an internet connection. If this is not possible, then the [offline activation](#) method can be used.

When installing onto a dongle, the dongle must be connected to the computer's USB port.

### 2.2 Instructions

1. Open the Lawo licensing web page at <https://licenseportal.lawo.com>



**TIP:** You can change the language using the drop-down menu at the top right of the page.

2. Copy your license ticket number into the 'Ticket' field and select **Next**.

The license code can be found on the delivery note shipped with the system. It takes the form of a 25-digit ticket number such as the one shown below.

**Ticket:**  
7MAMJ-8HZ95-N9VW5-3MKX6-LWUYM

3. The WebDepot searches for and displays your licenses. Select **Activate Licenses** to continue.
4. At the next page, select the storage method for your license.


There are two possibilities:

- **CmDongle** - to create a USB dongle.
- **CmActLicense** - to bind the license to the local computer.


### Available Licenses - Select the binding for Your Licenses

You can bind your licenses either to a computer (**CmActLicense**) or to a dongle (**CmDongle**).

- When binding to a computer, the licenses are transferred to that machine. The licenses are associated with some properties of this computer.
- When binding to a CmDongle, the licenses are fully transferred into this dongle. This allows you to use these licenses on different computers.



I want my licenses in a dongle (**CmDongle**) to be able to use them on different computers.  
Firm Code: 102037



I want my licenses on one computer (**CmActLicense**).  
Firm Code: 5000161 | CmContainer: LAWO AG (0010)

5. At the next page, select the licenses you wish to activate and the CmContainer to be used for the license storage.

### Available Licenses

**To activate your licenses:**

1. Select the licenses you want to activate.
2. Select the locally connected CmContainer to which you want to transfer the licenses.
3. Click "Activate Selected Licenses Now".

<input checked="" type="checkbox"/>	Name	Activated On	CmContainer	Status
<input checked="" type="checkbox"/>	*Product Name* <small>(License Quantity: 1)</small>			Available

Select CmContainer  
128-2311304 (LAWO AG) ↻

Activate Selected Licenses Now Offline license transfer

[Select binding](#)  
[My Licenses](#)

You can store multiple licenses in the same container. If no Cm containers are available, then you will see an option to "Get CmContainer automatically".

6. Click on **Activate Selected Licenses Now** and wait for a few seconds.

A confirmation message appears once the activation is successful.

**Online License Transfer**

**!** **Please wait!** The selected licenses are transferred. **This process may take several minutes to complete.** Please do not remove the CmContainer during this process and do not reload this page.

Starting license transfer.  
Creating license request.

**Online License Transfer**

Starting license transfer.  
Creating license request.  
Downloading license update.  
Importing license update to CmContainer.  
Creating receipt.  
Uploading receipt.

✓ License transfer completed successfully!

OK

7. After selecting **OK**, a summary appears.




Home My Licenses Auto Update

### My Licenses

Name	Activated On	CmContainer	Status
*Product Name* <small>(License Quantity: 1)</small>	2018-07-05 18:33:51	128-2311304	Available: 0 (1)

Re-Host Licenses

8. You can now close the browser and return to your Lawo software application or install the USB dongle.

 Once activated, it is **strongly recommended** that you backup your licenses (using the [CodeMeter Web Admin](#) portal). This will allow you to restore a license if the original is lost or damaged.



### 3 License Activation - Offline Method

If your computer has no internet access, then you can activate a software license offline. This method requires three steps:

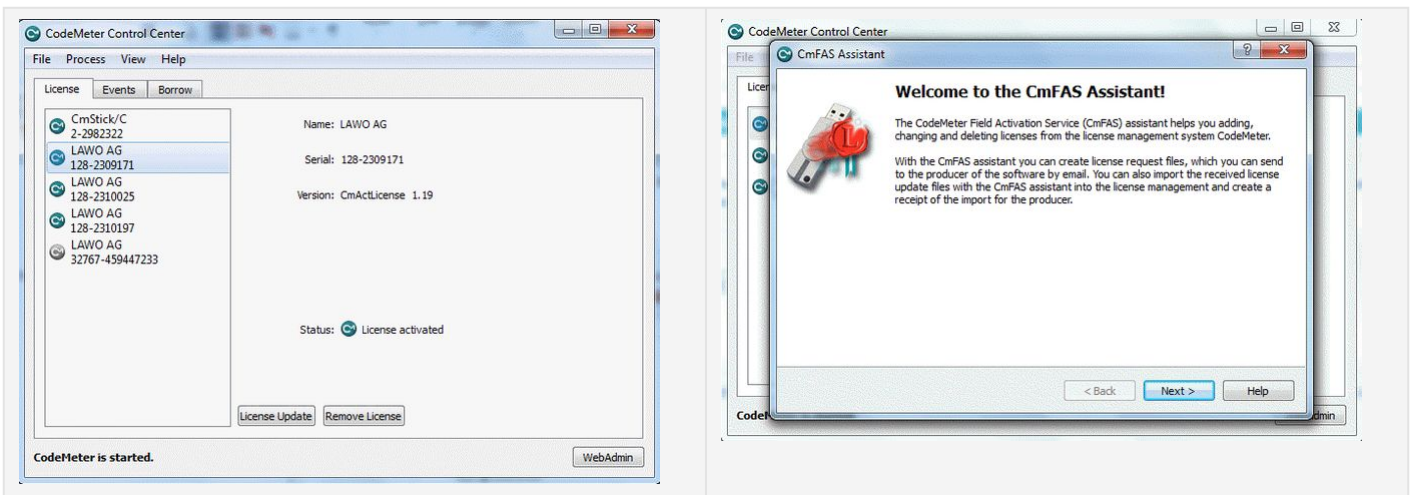
1. Create a license request file for the Cm storage container (and copy this onto a computer with internet access).
2. On the computer with internet access, activate the license using the Lawo licensing web page (and copy back the license update file).
3. On the original computer, import the license update file to the Cm storage container.

The rest of this topic describes each step in more detail.

#### 3.1 Step One: Create a License Request File

1. On the computer you wish to license: open the 'CodeMeter Control Center' (by clicking on the **Cm** taskbar icon) and select the container you wish to use for the license storage.
2. If the container is empty, select **Activate License**. Or, if the container already holds an active license, select **License Update**.

This starts the 'CodeMeter Field Activation Service (CmFAS) assistant'.

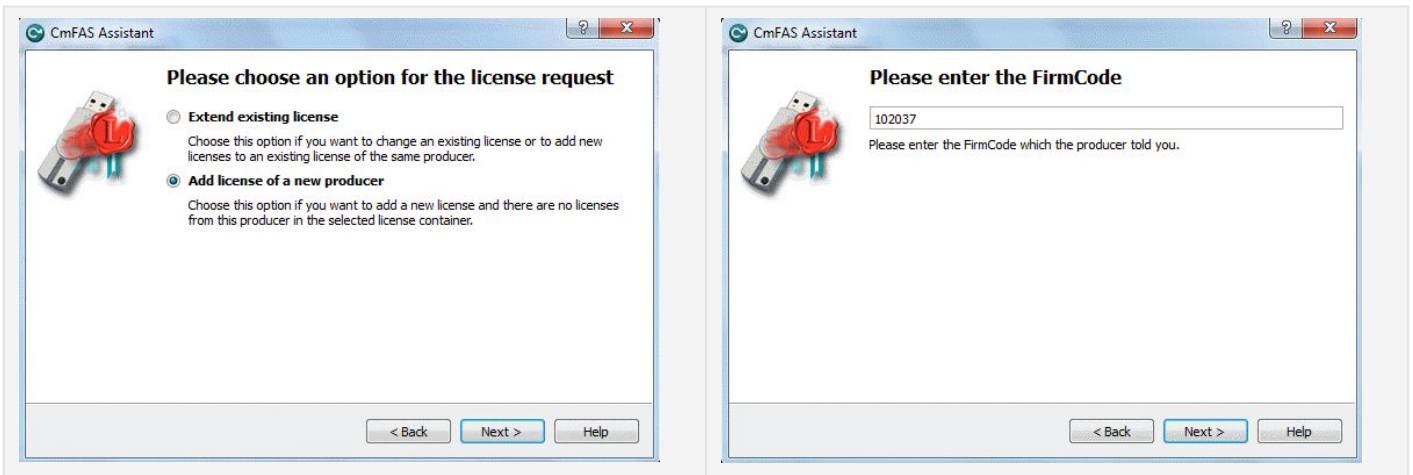


3. Select **Next** and then **Create license request**.

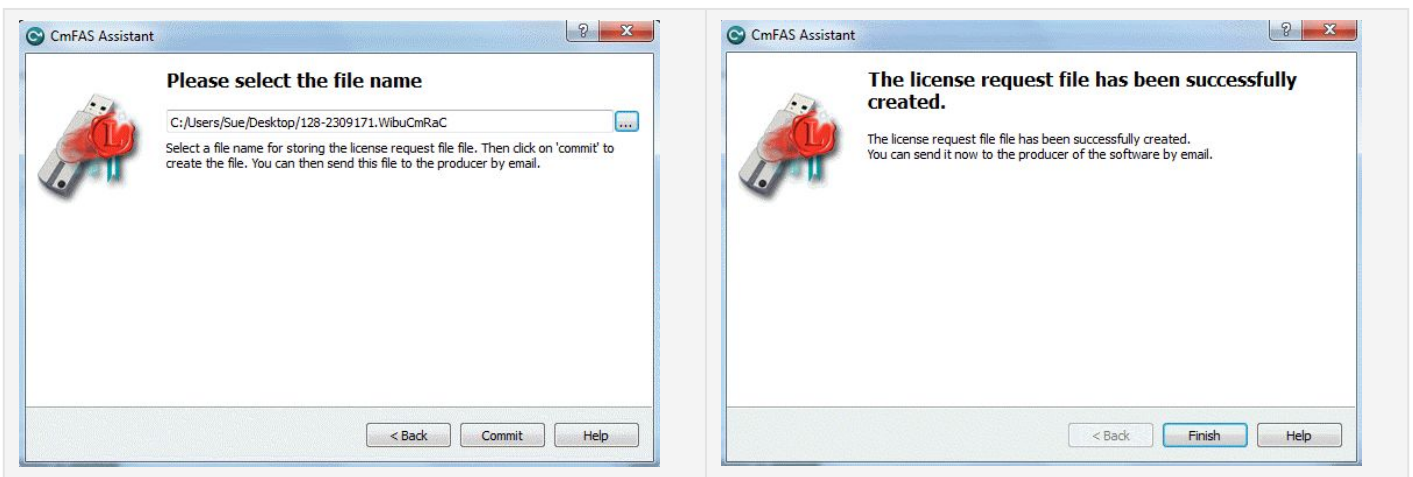


At this stage, there are two additional steps (to add the correct firmcode) if you have selected a **CmStick** container:

- Select **Add license of a new producer**.
- Then enter the Lawo FirmCode - **102037** - to create the license request file.



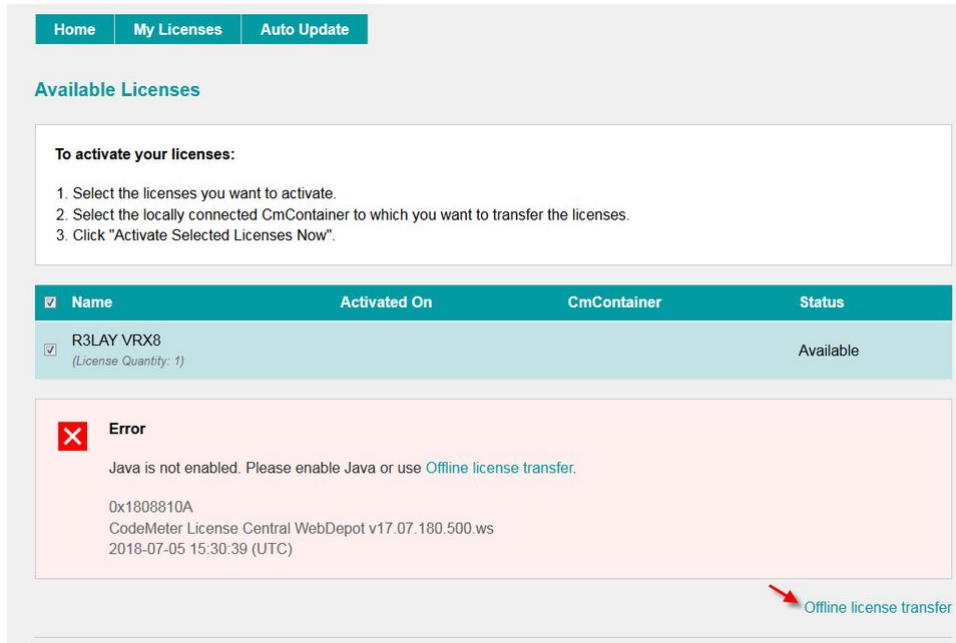
4. Select **Next**, and using Windows Explorer, enter a file path for the license request file. Choose somewhere easy to find, such as the Desktop. Then select **Commit** to create the request file.



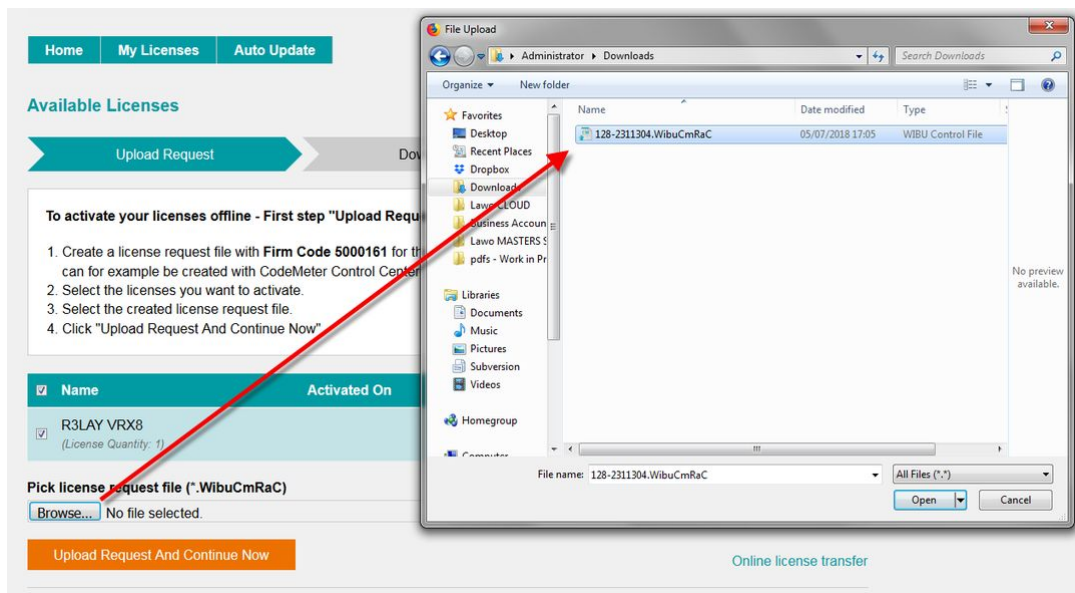
5. Select **Finish** and copy the request file onto a computer with internet access. You will need both the license request file and the 25-digit ticket number (received with your license purchase).

### 3.2 Step Two: Activate the License

1. On a computer with internet access, follow the first four steps from the [online activation](#) method:
  - Open the Lawo licensing web page at <https://licenseportal.lawo.com>
  - Copy your license ticket number - this is the 25 number code - into the 'Ticket' field and select **Next**.
  - When your license is displayed, select **Activate Licenses** to continue.
  - Select the storage method for your license - either USB dongle or single computer.
2. At the 'Available Licenses' page, select **Offline license transfer** to continue.



3. On the next page, select the license(s) you wish to activate, select **Browse...** and, using Windows Explorer, choose the request file (created earlier).



4. Then select **Upload Request And Continue Now**.

The license request is processed and, if successful, you will have the option to download the update.



**Download License Update File**

Upload Request ✓    **Download Update**    Upload Receipt

**To transfer your licenses offline - Second step "Download Update":**

1. Click "Download License Update File Now" and save the file on your computer.
2. Import this license update file to the CmContainer with **Serial 128-2311304**. This file can for example be imported with CodeMeter Control Center. [How it works](#)
3. After you have successfully transferred the license update file to the CmContainer, click "Next" to confirm the license transfer.

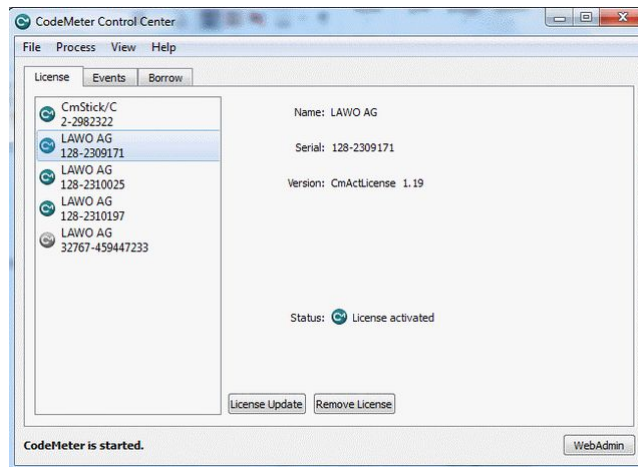
[Download License Update File Now](#)    [Next](#)    [Online license transfer](#)

5. Select **Download License Update File Now** and, when prompted, choose the **Save file** option - the file is downloaded.
6. Copy the License Update file back to the original computer.



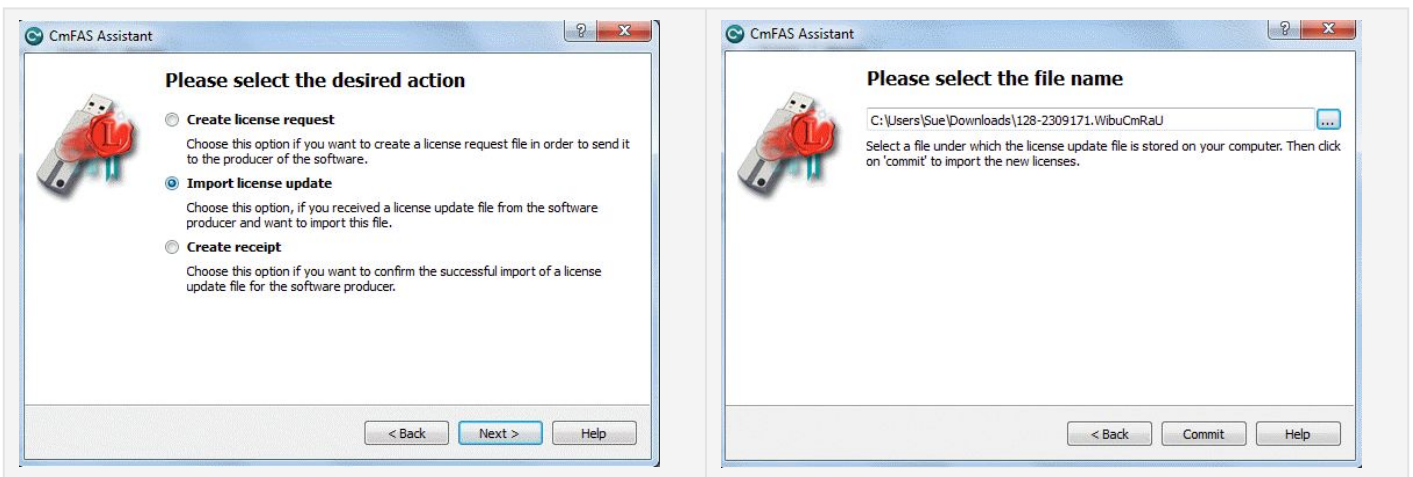
### 3.3 Step Three: Import the License Update File

1. On the original computer re-open the 'CodeMeter Control Center' and select the Cm container for the license update. This must be the same container as the one selected earlier (during the License Request).



2. Select **License Update** and follow the instructions given by the 'CmFAS Assistant'.

When prompted, select **Import License update** and choose the update file (downloaded from the License portal).



3. Select **Commit** to action the update - the license is activated.
4. You can now close the 'CodeMeter Control Center' and return to your Lawo software application or install the USB dongle.

**!** Once activated, it is **strongly recommended** that you backup your licenses (using the [CodeMeter Web Admin](#) portal). This will allow you to restore a license if the original is lost or damaged.



## 4 License Activation - Re-Host a License

To move a license from one Cm container to another, you must re-host the license as follows. This requires you to first deactivate the license from its existing Cm container, and then choose the new storage container.

- Follow the first two steps from the [online activation](#) method:
  - Open the Lawo licensing web page at <https://licenseportal.lawo.com>
  - Copy your license ticket number - this is the 25 number code - into the **Ticket** field and select **Next**.
- At the 'My Licenses' summary window, select **Re-Host Licenses**.

Name	Activated On	CmContainer	Status
*Product Name* <small>(License Quantity: 1)</small>	2018-07-05 18:33:51	128-2311304	Available: 0 (1)

- Make sure that the Cm container is connected to the computer, select the licenses you wish to re-host and select **Deactivate Selected Licenses Now**.

**To re-host licenses from one CmContainer to another CmContainer:**

- Make sure that the CmContainer with **Serial 128-2311304** is connected to this computer. If this CmContainer is not connected to this computer, connect it now and click "Rescan for CmContainer".
- Select the licenses you want to re-host.
- Click "Deactivate Selected Licenses Now".
- After the successful deactivation of the selected licenses, you can activate them again in another CmContainer.

<input checked="" type="checkbox"/> Name	Activated On	CmContainer	Status
<input checked="" type="checkbox"/> *Product Name* <small>(License Quantity: 1)</small>	2018-07-05 18:33:51	128-2311304	Activated

- Wait for a few seconds. A confirmation message appears once the de-activation is successful.
- You can now activate the license using a new storage container by following steps 3 to 7 from the [online](#) activation method, or performing an [offline](#) license transfer.



## 5 License Activation - CodeMeter Control Center

This topic describes how to open and use the **CodeMeter Control Center**. It can be used to manage the license containers and perform a backup or restore.

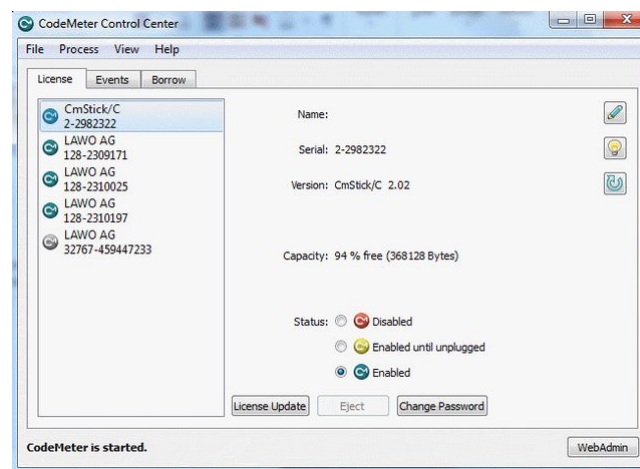
1. Click on the Windows taskbar Cm icon to open the 'CodeMeter Control Center'.

The icon may be hidden from view or vary in color (depending on your taskbar configuration).



The 'CodeMeter Control Center' shows all the Cm containers which can be used for license storage.

A new local computer container is created each time you run the **CodeMeter Runtime** install wizard. Therefore, if you have installed multiple Lawo products or software versions, you will see several **LAWO AG** containers. If a USB dongle is connected, you will see a container labeled **CmStick**.



The **Serial** numbers identify each container. The icon colours indicate: green = license activated; grey = container is empty; red = license deactivated.

- ✓ **TIP:** A single Cm container can contain multiple licenses - simply select the same container during the activation process.



2. Select **WebAdmin** (bottom right) to open the 'WebAdmin' portal in your default browser.

The portal has many functions including license interrogation, and backup/restore functions for licenses stored on a CmStick (USB Dongle).

**CodeMeter WebAdmin** | 128-2309171

Home | Content | Server | Configuration | Diagnosis | Info | Help

CmContainer | Licenses | User Data | Backup/Restore

CmContainer: 128-2309171

5000161 | LAWO AG

Product Code	Name	Unit Counter	Expiration Time	Activation Time	License Quantity
2500000	VisTool MK2 Editor	n/a	n/a	n/a	1
2500160	VisTool MK2 Unlimited sapphire	n/a	n/a	n/a	1
2500160	VisTool MK2 Unlimited sapphire	n/a	n/a	n/a	1
2503000	Single Track Editor	n/a	n/a	n/a	1
2503000	Single Track Editor	n/a	n/a	n/a	1
2503100	Easy Track Editor	n/a	n/a	n/a	1
2503100	Easy Track Editor	n/a	n/a	n/a	1
2503100	Easy Track Editor	n/a	n/a	n/a	1

**CodeMeter WebAdmin** | 2-2982322

Home | Content | Server | Configuration | Diagnosis | Info | Help

CmContainer | Licenses | User Data | Backup/Restore

CmContainer: 2-2982322

You can write all license data into a backup file:

Last Backup: 2015-10-26 16:11:10

You can restore your personal license data (including CM Password Manager) here.  
Backup Path: C:\ProgramData\CodeMeter\Backup

For information how to restore the license data inside a Firm Code not equal 0, contact our [Support](#)

For more information on these tasks, please refer to the **CodeMeter Runtime** documentation at [wibu.com](http://wibu.com).

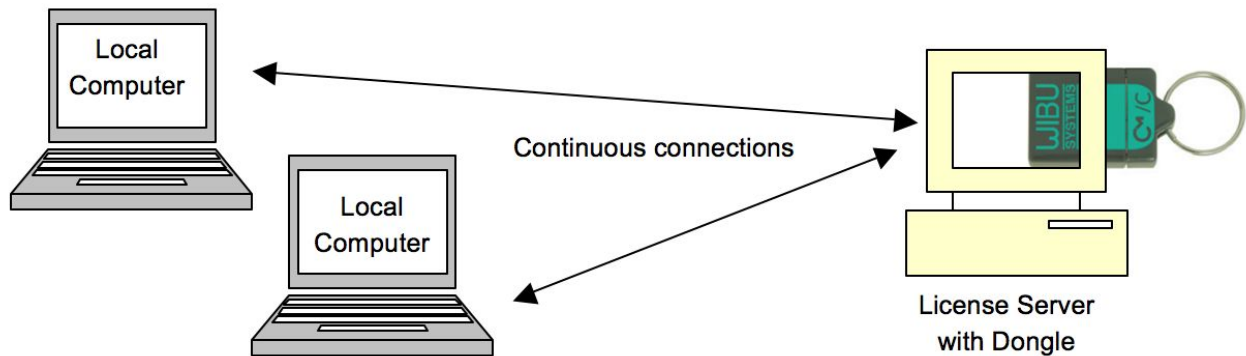


## 6 License Activation - Using a Central Server

This topic describes how to store licenses on a central server. This can be used to administrate licenses centrally within a local network.

For example, when starting a Lawo application such as VisTool, the local computer asks the server to borrow the relevant license. The license is then used by the VisTool client until the application is closed.

On closing, the license is handed back to the server where it may then be used by a different VisTool client.



To configure this example, there are three steps:

1. On the server, activate the licenses in the usual manner and then activate the Run Network Server option.
2. On each client computer, select the server (in the CodeMeter Web Admin).
3. On each client computer, select the license(s) you wish to use.

The rest of this topic describes each step in more detail.



## 6.1 Step One: Prepare the License Server

1. First, install the CodeMeter Runtime software (Version 5.10 or above) on the central server. (Or, on a virtual machine on the server).

The latest release of CodeMeter Runtime can be downloaded from WIBU systems at [wibu.com](http://wibu.com).

2. Activate all licenses in the usual manner.

If a virtual machine is being used, set up a connection between the virtual machine and USB dongle.

3. Open the [CodeMeter Control Center](#) and select **WebAdmin**.

4. Under '**Configuration -> Server**', select the **Run Network Server** checkbox.

The screenshot shows the CodeMeter WebAdmin interface. The title is 'CodeMeter WebAdmin' with a logo on the right. The navigation menu includes 'Home', 'Content', 'Server', 'Configuration', 'Diagnosis', 'Info', and 'Help'. Below the menu, there are links for 'Network', 'Server', 'Proxy', 'Access Control', 'Certified Time', 'WebAdmin', 'Backup', and 'Borrowing'. The main content area is titled 'Server' and contains the following configuration options:

- Bind Address: All (Default)
- Run Network Server:
- Network Port \*:
- Run CmWAN Server:
- CmWAN Port \*:

At the bottom of the configuration area, there are two buttons: 'Apply' and 'Default'. Below the buttons, a note states: '(\*) Changes only take effect after restarting CodeMeter'.

5. Click **Apply** and restart the CodeMeter Runtime software.



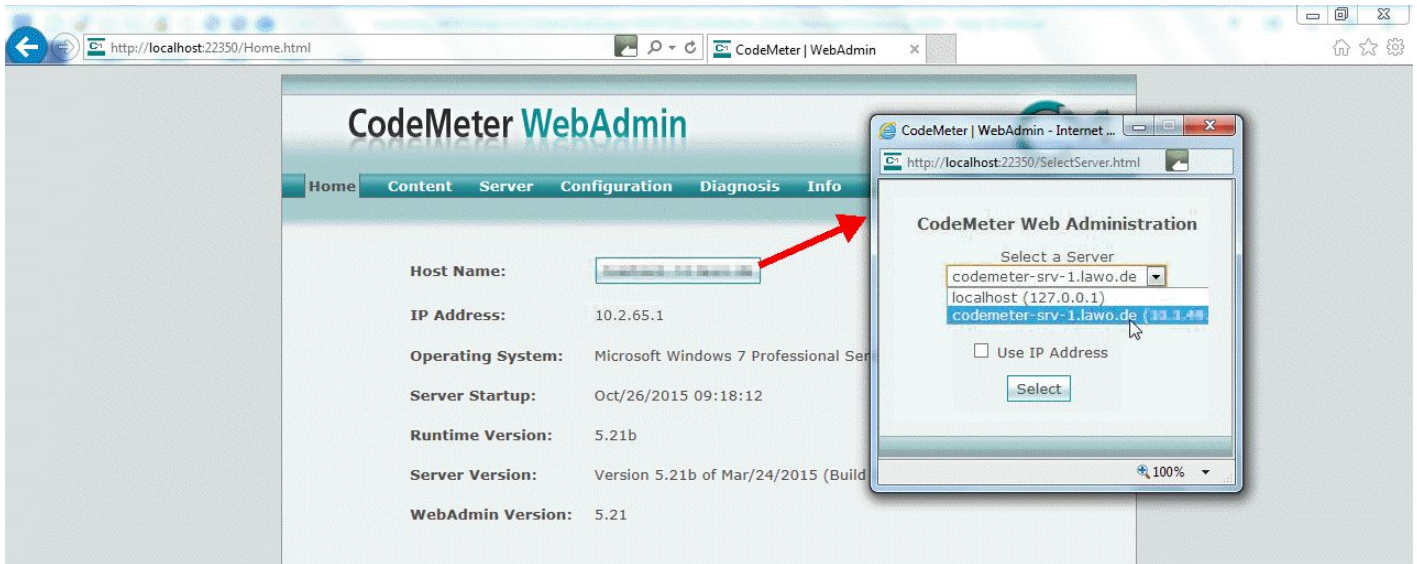
## 6.2 Step Two: Prepare the Clients

1. Install the Codemeter Runtime software (Version 5.10 or above) on each of the client computers.
2. Connect the clients (and server) to the network.

On startup, the CodeMeter Runtime software sends a broadcast message across the network to find all license servers.

3. On each client computer, open the CodeMeter Control Center and select **WebAdmin**.
4. From the home page, select the name of the computer.

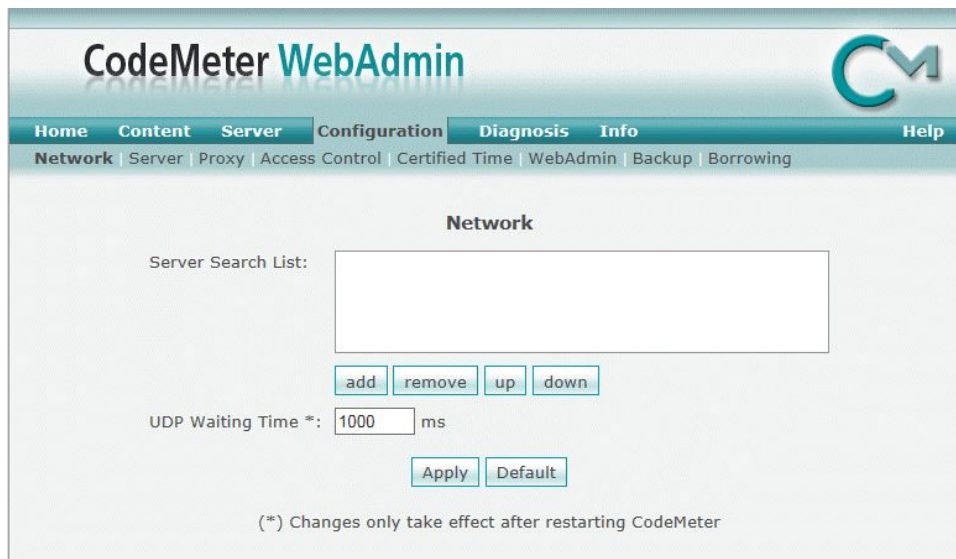
A dialogue box should appear listing all the available license servers.



5. Choose the correct server from the drop-down list and click on **Select**.

If the license server is not found, then your firewall or network policy may not allow messages to be broadcast. In this case, you will need to add the server's IP settings to the search list, manually, as follows:

- Under **Configuration** -> **Network**, add the correct IP settings into the 'Server Search List'.



- Click **Apply** and restart the CodeMeter Runtime software.

Note that once the Server Search List has an entry, all other license servers (announced automatically to the network) will be ignored.



### 6.3 Step Three: Administer the Licenses

Once a connection to the license server is established, you can borrow one of the server licenses as follows.

1. On the client computer, open the Codemeter Control Center and select **WebAdmin**.
2. Under '**Content -> Licenses**', choose the CmContainer (holding the server licenses) and select the desired license file.

The screenshot shows the CodeMeter WebAdmin interface. The top navigation bar includes Home, Content, Server, Configuration, Diagnosis, Info, and Help. The breadcrumb trail is CmContainer | Licenses | User Data | Backup/Restore. A dropdown menu shows CmContainer: 2-2982322. Below this, there are two tables of licenses.

100003   Bundling Articles					
Product Code	Name	Unit Counter	Expiration Time	Activation Time	License Quantity
<a href="#">1</a>	SecuriKey Lite	n/a	n/a	n/a	1

102037   LAWO AG					
Product Code	Name	Unit Counter	Expiration Time	Activation Time	License Quantity
<a href="#">2505000</a>	JADE Engine Standard	n/a	n/a	n/a	1
<a href="#">2505300</a>	JADE Engine Pro	n/a	n/a	n/a	1

If the license is in use, then a warning message appears.

You can check which licenses are available (free) by selecting **Server** and **Cluster**.

The screenshot shows the CodeMeter WebAdmin interface with the 'Server' tab selected. The breadcrumb trail is Cluster | User. The main heading is 'Available Network Licenses at 'codemeter-srv-1.lawo.de''. Below this is a table of licenses.

Product Code	Name	Feature Map	Licenses	Status						
				User Limit (Borrowed)	No User Limit	Exclusive	Shared	Free		
102037   LAWO AG										
2503000	Single Track Editor	0x0	1	0 (-)	0	0	0	1	<a href="#">Details</a>	
2505400	JADE VST Option (Dongle)	0x0	1	0 (-)	0	0	0	1	<a href="#">Details</a>	