

Leica Software Licensing Guide



Licence Installation and
Activation Guide
Version (CLM) 1.7.1000
English

- when it has to be **right**

Leica
Geosystems

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1

Introduction

Operating systems

The corporate Software Licensing is based on a reliable and secure technology, that does not require any software protection dongle (hardware device).

For license activations or updates (CCPs or option purchases), an Internet connection is required to connect to the corporate License Server. Once the license is activated, an Internet connection is no longer required.

The **Entitlement ID** (EID) is the key for initial license activation, as well as for re-ordering additional software options or CCPs. It consists of 25 alphanumeric characters separated by dashes.

Example: 00101-64466-00014-03624-4C34F

The Entitlement ID can be found:

- On the invoice
- On the Delivery Note of the purchased software product
- On a separate Entitlement Certificate, on paper or in digital form, for example HTML file



The Entitlement ID for a software product never changes and therefore these documents should be kept carefully.

If the software product is registered at the Customer Web Portal **myWorld** the Entitlement Certificate can always be downloaded from the **myProducts** section, using the Entitlement Certificate button.

myApplications > myProducts



1.1

License Models

License models

Depending on the software product, there is a choice between two license models matching different user requirements:

- **Node locked** licenses are fixed to the computer where the software is installed.
- **Floating** licenses are installed and shared within a single network. Different users working on different computers within that network can use the floating licenses.

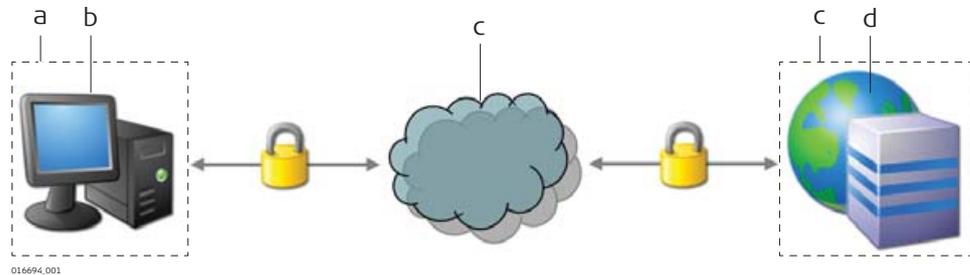
1.2

Node Locked License

Node locked license

A node locked license is tied to a single computer. This license model is suitable also for systems that must operate outside a work network. It cannot be shared by multiple users and is usually not transferred from one computer to another. Refer to "Rehosting".

Node locked licenses are managed via the **CLM for Nodelocked Licenses** application.



- a Customer
- b Local PC
- c Internet
- d Leica Geosystems
- e Leica Geosystems License Server

1.3

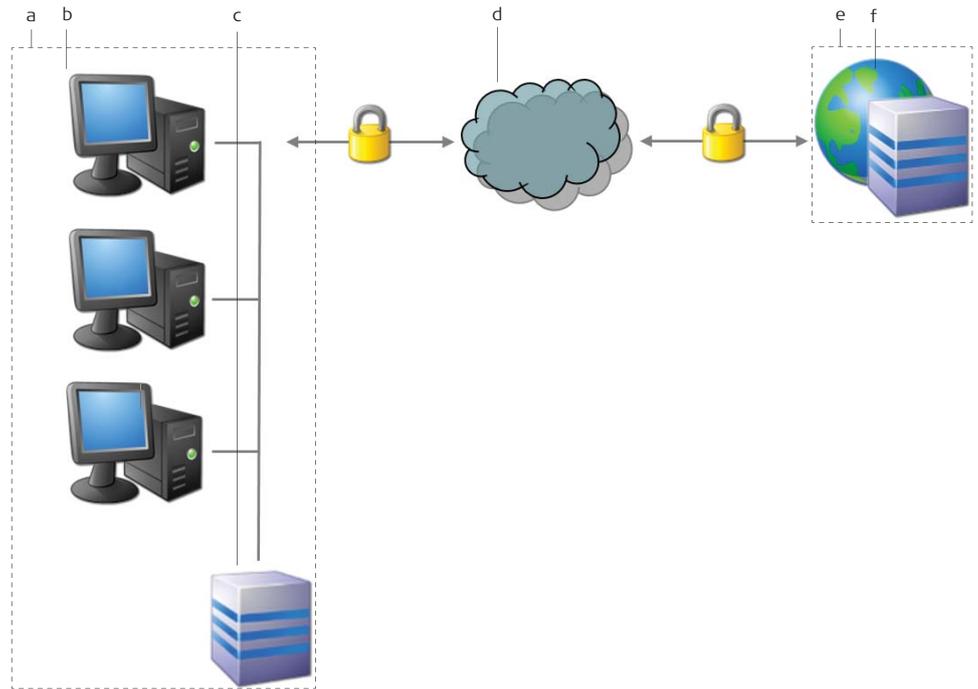
Floating License

Floating license

A floating license can be shared across multiple computers within the same local network. It is administrated by a local License Server running in the same network, which manages the license pool, their validity and grants users access to a license if it's available.

The local License Server can manage licenses for multiple software products at the same time.

Floating licenses on the Local License Server are managed via the **CLM for Floating Licenses** application.



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- a Customer, local network
- b Local client 1, local client 2, ... local client n
- c Local License Server
- d Internet
- e Leica Geosystems
- f Leica Geosystems License Server

If a software product has to be used on a disconnected computer (no connection to the local License Server), it is possible to "borrow" a license from the License Server and to "return" it afterwards. Refer to "Borrowing".

2

License Manipulation

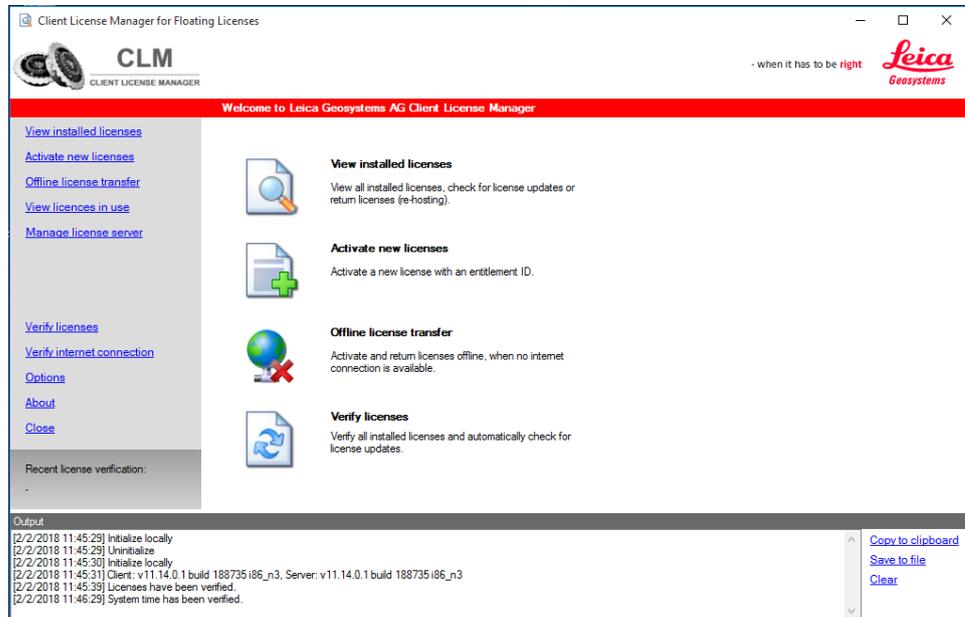
Description

The main operations done with a license are activation, update and rehost.

An Internet connection is required for all license manipulations to allow a connection to the Leica Geosystems License Server. If the computer is "offline", you can use an Internet enabled device to activate, update or return a license.

Refer to "2.4 Offline License Manipulation" for details on offline license manipulation.

Depending on your product's license model, you should first open the **CLM for Floating Licenses** or **CLM for Nodelocked Licenses** application.



2.1

Licence Activation

Activating license step-by-step

Once you have the Entitlement ID, follow these steps:

1. Select **Activate new licenses** from the left side menu.
2. Insert the Entitlement ID.
3. Click on the **Check for activatable licenses** button in the bottom right corner.
4. The next window shows the products that will be activated. Click on **Activate new licenses** in the bottom right corner to complete the activation process.

To activate a license on a virtual machine, please contact your local sales representative to make sure that the activation of your entitlement is possible.

2.2

Licence Update

Updating license step-by-step

Activating additionally purchased software options or software maintenance is called updating licenses.

1. Select **Verify licenses** from the left side menu.
2. The number of updates will appear in the next screen.

3. If updates are available, press the **Newly activatable licenses** button in the bottom right corner.
 4. Select **Activate new licenses**.
-

2.3

Licence Return (Rehost)

Returning license step-by-step

This operation is performed:

- When the user wants to transfer the license to another system
- Before an operating system update
- Before an operating system restore
- Before a major hardware update, for example hard drive change

Follow these steps to return a license to the corporate License Server:

1. Select **View installed licenses** from the left side menu.
 2. Select the view **Entitlements** in the upper right corner.
 3. Select the Entitlement ID(s) you want to return with the checkbox.
 4. Click **Return licenses (rehost)**.
 5. Click **Continue**.
-

After the return is performed, the client will usually activate the license on another system. A return, followed by an activation of the same license constitutes a rehost operation.

2.4

Offline License Manipulation

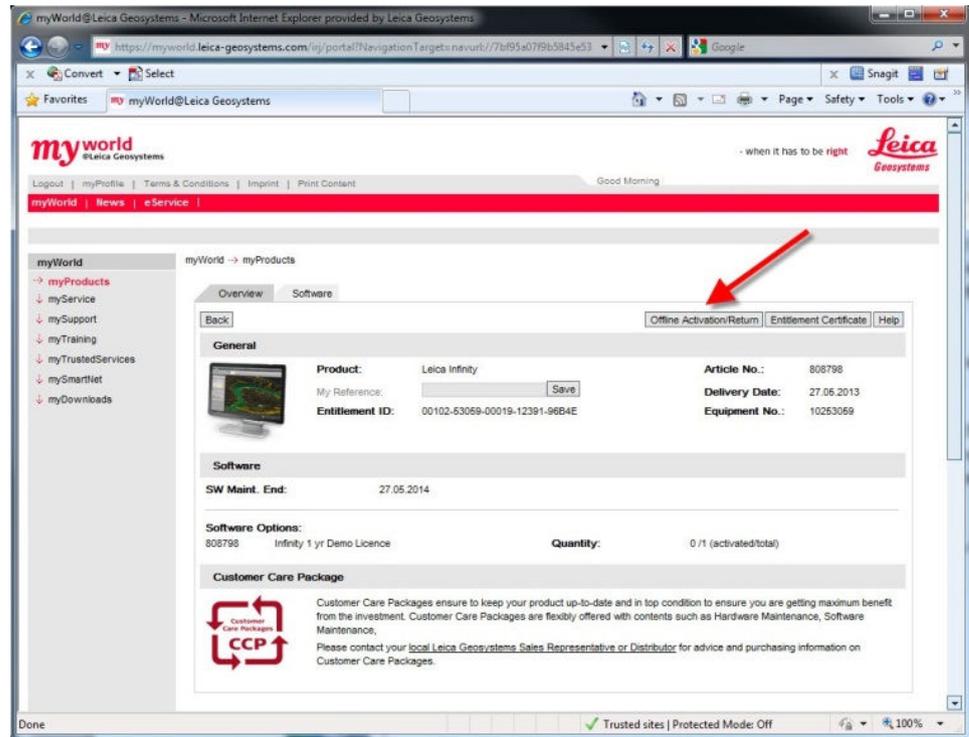
Manipulating license offline step-by-step

For offline license manipulation you need a device which is connected to the Internet, for example a smartphone.

An offline activation, update and return of a license can be performed by following these steps:

1. Select **Offline license transfer** from the left side menu.
 2. For license activation and update:
Click on **Activate licenses**.

For license return:
Click on **Return licenses (rehost)**.
 3. Follow the instructions from the CLM application. The operations are done by file exchange between the Internet enabled device and corporate License Server.
-



The same operations can be done using myWorld/myProducts portal instead of using an e-mail.

2.5

License Borrowing (Floating License Only)

Borrowing license step-by-step

If a software product has to be used on a disconnected computer (no connection the local License Server), it is possible to borrow a license from the local License Server and return it after usage.

An Internet connection is not required for this procedure.

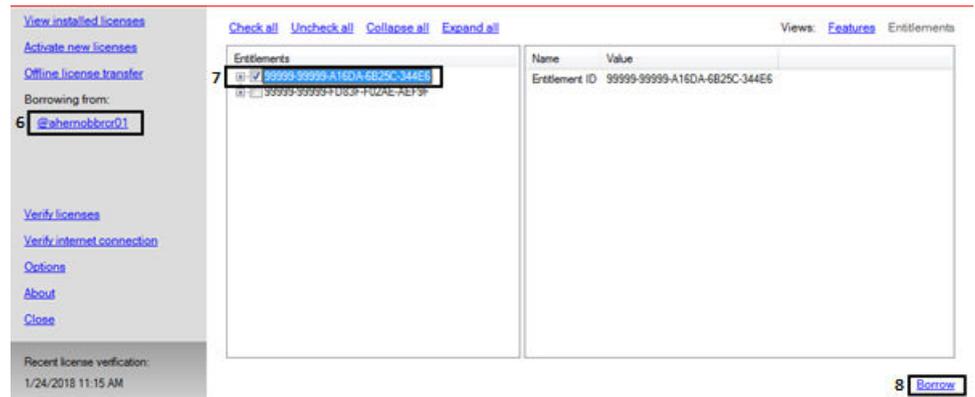
Borrowing means taking a floating license from a license server and activating it as a node locked license on another system.

To borrow, open **CLM for Nodelocked Licenses** on your local client and follow these steps:

The screenshot shows the 'Options' dialog box in CLM for Nodelocked Licenses. The 'Borrow licenses' checkbox is checked. The configuration settings are as follows:

- URL to the FNO services:
- URL to the SAP services:
- URL to time server: e.g. "swisstime.ethz.ch"
- Proxy server host: e.g. "host.port"
- Proxy server user: Password:
- 2** Borrow licenses
- Floating license server host: **3** e.g. "@localhost" or "@myServer"
- Default number of days for borrowing: **4** Used if no expiration date has been specified for borrowing

Additional options include 'Show output pane' (checked) and 'Apply' (button).



1. Select **Option** from the menu on the left.

2. Tick the **Borrow licenses** checkbox.

3. Enter the address of the Local License Server under **Floating license server host**.

4. Set the number of days to borrow (max 90 days).

5. Select **Apply**.

6. Select the local License Server from the left side menu.

7. Select the license which you want to borrow. You can only borrow the "complete" license or products. Single features cannot be borrowed separately. Make sure that the EID does not expire before the borrow period elapses, otherwise the borrowing is not possible.

8. Click on **Borrow**.

To return a borrowed license:

1. Follow the steps for returning a license up to step 3.. Refer to "Returning license step-by-step".

2. Click on **Return borrowed licenses**.

2.6

Troubleshooting

Troubleshooting

In case of problems during the license manipulation processes the connection to the Leica Geosystems License Server can be verified. For this you need to select **Verify Internet connection** from the menu on the left.

The **Verify Internet connection** dialog displays the status of the connection and potential errors.

3

Viewing Available Licenses

Viewing available licenses

To view the activated licenses, use the **View installed licenses** option from the left side menu. You can switch between **Features** and **Entitlements** view by selecting the view type in the upper right corner.

- Features view displays a list of available features on the system.
 - Entitlements view displays a list of the activated EIDs and their products – features hierarchy.
-

4

Floating License

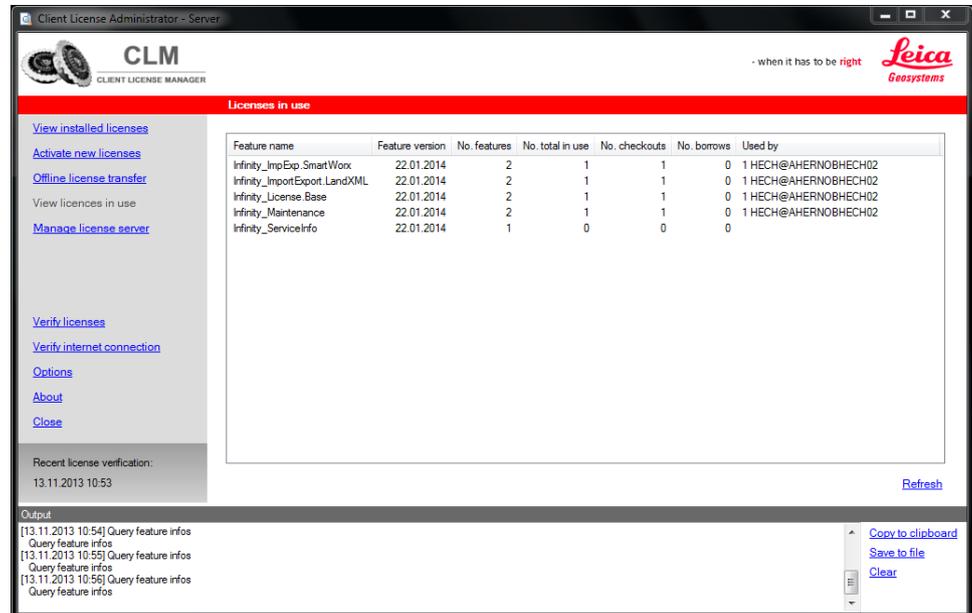
4.1

Viewing Licenses in Use

Viewing licenses in use

To view who is currently using the licenses, select **View licenses in use** from the left side menu. This view displays the following information:

- Feature version (corresponding to maintenance date)
- Total number of features which are installed on the system
- Number of features which are in use
- Number of features which are borrowed
- Number of available features
- The users which checked out the features or PCs that borrowed them.



Feature name	Feature version	No. features	No. total in use	No. checkouts	No. borrows	Used by
Infinity_ImportExport_SmartWork	22.01.2014	2	1	1	0	1 HECH@AHERNOBHECH02
Infinity_ImportExport_LandXML	22.01.2014	2	1	1	0	1 HECH@AHERNOBHECH02
Infinity_License Base	22.01.2014	2	1	1	0	1 HECH@AHERNOBHECH02
Infinity_Maintenance	22.01.2014	2	1	1	0	1 HECH@AHERNOBHECH02
Infinity_ServiceInfo	22.01.2014	1	0	0	0	

4.2

Managing the License Server

Managing the license server

To manage the local License Server, select **Manage license server** from the left side menu.

In this view the status of the license server is displayed.

Use the buttons in the right lower corner to **Start** or **Stop** the server and **Refresh** the server status.

5

Frequently Asked Questions (FAQs)

Questions & answers

Question	Answer
What is a product activation?	Product activation is the process to get a license for a Leica Geosystems product onto your computer. You can activate your product 24 hours a day, seven days a week via Internet.
What kind of information is transmitted during product activation?	Product activation requires that Leica Geosystems collects a minimum of information needed to validate the authenticity of a product activation request. Most of the data identifies the product, including the Entitlement ID and the product version. A randomly computed machine ID (host ID) is also generated, which cannot be used to identify the make, model or components of your computer. Additionally, the operating system and name of your computer are transmitted. All data are transmitted securely to Leica Geosystems for validation.
Can I use my Entitlement ID on more than one computer?	No. A unique activation process is required per computer. Once a product has been activated, the software license is assigned only to that specific computer.
Do I need administrator rights for activation?	No.
Is it possible to activate a license on a computer without Internet connection?	Yes. Refer to "2.4 Offline License Manipulation".
I have purchased additional software options or software maintenance (as contained in CCPs). How can I activate them?	Refer to "2.2 Licence Update".
How can I permanently transfer the software and license from one PC to another?	Refer to "2.3 Licence Return (Rehost)".
How can I transfer the license to a different system in case the actual one broke?	Please contact your local Leica Geosystems support with your Entitlement ID and explain your problem to them.

Question	Answer
I would like to restore the operating system or install a new operating system on the system where I have activated the license. What should I do?	Refer to "2.3 Licence Return (Rehost)".
Do I need a dedicated server for running a license server?	No.
Is it possible to use the same local License Server for different Leica Geosystems software packages?	Yes.
Do I need an Internet connection for using floating licenses?	No. The client only needs to be permanently connected to your license server in the local area network to be able to use floating licenses.
When I install a local client and specify the address and port of my local License Server I get a "Destination unreachable" or "Message expired" error. How can I solve the problem?	It is recommended to enable internet time synchronization (NTP). There is no problem if your server and client run in different time zones.
Is it possible to change the default ports?	Ports should be changed only on the server side. The ports for lmgrd.exe and lgs.exe can be changed in the license file (C:\Program Files (x86)\Common Files\Leica Geosystems\License-Server\svr_lgs.lic). SERVER this_host ANY Port number in 27000 to 27009 range VENDOR LGS PORT = Port number Afterwards, reboot your computer or restart the four CLM services: <ul style="list-style-type: none"> • CLM Remote Daemon (svr) • FLEXnet License Server • FlexNet Licensing Service • FlexNet Licensing Service 64

Activation	Activation is the process to get a license for a software product onto your computer.
Borrowing	Borrowing means to check out a floating license from the Local License Server so that it can be used like a node locked license on a computer, if it is required to run the software remotely without connection to the network and the Local License Server.
CLM	CLM stands for C lient L icense M anager and is the name of the software tool used to manage the software license on a computer or server.
CLM for node locked licenses	CLM for Nodelocked Licenses is the License Management Tool for computer installations of node locked licenses. It can be used to view licenses, update licenses, activate new licenses or return licenses for rehosting.
CLM for floating licenses	CLM for Floating Licenses is the License Management Tool for License Server Installations of floating licenses. It can be used to view licenses, update licenses, activate new licenses or return licenses for rehosting.
Entitlement Certificate	The Entitlement Certificate is a document which contains the Entitlement ID. This document should be kept carefully as the Entitlement ID is required for purchasing additional software options or Customer Care Packages (CCPs).
Entitlement ID	The Entitlement ID (EID) is the key for initial license activation as well as for re-ordering additional software options or C ustomer C are P ackages (CCPs). The Entitlement ID can be found on the invoice, the delivery note or the Entitlement Certificate.
Floating licenses	Floating licenses can be shared across multiple users within the same local network and allow for a simultaneous use up to the number of available purchased licenses.
Leica Geosystems License Server	The Leica Geosystems License Server is the central location where all information on the purchased software licenses is stored. Therefore, an Internet connection is required for license activation or other tasks to be able to connect to the Leica Geosystems License Server.
License model	The license model defines if a license is tied to a single computer (Node locked License) or can be shared across different computers within the same network (Floating License). The availability of the license model depends on the software product.
Local client	A local client is a computer which uses floating licenses within the local network and, therefore, must be connected to the local License Server.

myWorld	<p>myWorld is the Customer Web Portal of Leica Geosystems where products are registered in order to access product related information or software updates. myWorld is accessed via:</p> <p>https://myworld.leica-geosystems.com</p>
Node locked license	<p>A node locked license is tied to a single computer. This license model is suitable also for systems that operate outside a work network.</p>
Rehosting	<p>Transferring a license from one computer to another is called Rehosting. It is only intended for a permanent change of computer. Rehosting can also be necessary when resetting or installing a new operating system on the same computer.</p> <p>Rehosting is only allowed for a limited number of times per year. The number of allowed rehostings depends on the software product.</p>
Returning licenses	<p>Returning licenses is the first step required for the rehosting process. Before a license can be activated on a different computer it is necessary to return the license to the Leica Geosystems License Server.</p>
Updating licenses	<p>Updating licenses means activating additionally purchased software options or software maintenance as part of a Customer Care Package (CCP).</p>

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Leica Geosystems AG

Heinrich-Wild-Strasse
CH-9435 Heerbrugg
Switzerland
Phone +41 71 727 31 31

www.leica-geosystems.com



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