Welcome to Citilabs License Manager!

Citilabs License Manager is a convenient tool which helps you to activate and administer your Citilabs licenses and provide valuable information about your installation. With the License Manager, you can:

- Activate license
- Host a floating license
- Connect your workstation to a license server
- Borrow (roaming) and return seats from a floating license server
- Re-host licenses (De-activate and Activate on different machines)
- Download license updates from Citilabs
- View license availability
- View current users checking out seats from a floating license

This document provides detailed information about the features and capabilities of Citilabs License Manager. It contains the following chapters:

- Chapter 1, “Getting Started with Citilabs License Manager”
- Chapter 2, “License Setup”
- Chapter 3, “Interface Basics”

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1 Getting Started with Citilabs License Manager

1.1 Open License Manager
At the end of Cube 6.4.3 installation, users have the option to launch the License Manager if a Cube license is not found on the machine.

Alternatively, users can start License Manager like other Windows applications. Click Start > All Programs > Citilabs and then launch the License Manager.
The 'Welcome' window will pop-up if the user does not have a license already set-up on the machine.
2 License Setup

2.1 License Types
Users need to have a valid sixteen-digit license key to run Cube and related software. There are two different types of license keys which Citilabs provides: Floating and Node Locked.

- Floating license:
  - A floating license supports client<->server architecture.
  - A floating license can be activated on one computer, and other workstations on the network can use the license from the activated computer.
  - The number of computers that can use the license simultaneously, depends on the number of seats available.
  - Floating license seats can also be borrowed from the server for a period of time, in which case, the workstation need not be connected to the license server to use the license.
  - A single floating license key can be activated on only one server. There are no special requirements for the server.
  - The server could be any Windows OS supported by Cube.
  - The only requirement is that the workstations should be able to connect to the server when using or borrowing the license.

- Node-locked license:
  - A node-locked license activation is locked to a computer and cannot be shared across the network.
  - The license is tied to the computer on which it is activated, and other computers cannot check out the license from the original activation.
  - There can be only seat available for each node locked activation since it cannot be shared.
  - A node locked license **key** can hold multiple activations, which means the key can be activated on multiple computers. This is different from floating license where the licenses are shared from a single activation.

A Cube installation can have the following types of license set-up.

- License (node or floating) activated locally
- Connected to a license server (floating license on the server)
- Borrowed from a license server (floating license on the server)

The following sections describes how to set-up the license for the above cases.
2.2 Activate a License Key
Licenses can be activated using fully automated activation in the license manager or a manual activation.

Note: An Internet connection is required during the activation process to connect to the Citilabs license activation server. Users unable to connect to the Citilabs license activation server can activate their license keys using Manual Activation.

Activation Steps
1. Open Activate a License Key window from Menu or Welcome window (when displayed).
2. Enter your license activation key as shown below:

   ![License Key Activation Window]

3. Click OK.

2.3 Manual Activation
Users unable to connect to the Citilabs license activation server when activating a license key as described in Section 2.2 can activate their license keys using Manual Activation.

Manual Activation Steps
1. Open Manual Activation window from Menu or Welcome window (when displayed).
2. Note down the HOSTID for your computer from the Manual Activation dialog.
3. Open a web browser and go to http://rlmactivation.citilabs.com/actpro/ManualActivation.php
4. Enter your 16 digit activation key and the HOSTID which you noted down in Step 2. Click on Create License.

5. Step 4 will create a license file. Click ‘Download License’ to download the license file to your computer.

7. Hit Browse and select the downloaded license file.
8. Hit **OK**. If the activation is successful, the license manager should list the products available with your license.

2.4 **Connect to a License Server**

If a license server is available on your network, you can access its floating licenses by creating a server connection.

**Connect to a License Server**

1. Open **License Servers** window from **Menu** or from the Welcome window (when displayed).
2. Enter your host’s machine name or IP address as shown below:
3. Enter the Port number. The default value is 5053.
4. Multiple servers can be added to the list if they are available, but it is recommended to only specify one license server at a time.

Additional Information on License Server Connections Window
- Use ESC (the Escape Key) to cancel adding a new row.
- Use DEL (the Delete Key) to delete the selected row.
- Rows can be reordered by dragging them above or below other rows.
- Save will save any changes in the License Server Connection window and refresh the main license list in the License Manager window accordingly.
- Refresh will update the main license list in the License Manager window accordingly.

2.5 Borrow license from a license server
If a license server is available on your network, you can borrow its floating licenses by creating a server connection. To create a server license connection, please refer to the steps given in Section 2.4.

1. Right click on the floating license, which you would like to borrow and select the Roam License option.
2. Enter the number of days you would like to borrow the license and click **OK**. License manager allows you to borrow the license for a maximum of 30 days.

3. The license manager should list the roaming license and the date when the borrowing period ends.
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This section covers the following License Manager features:

- License Manager Main Window
- Menu
- Refresh
- Help Menu

### 3.1 License Manager Main Window

The main License Manager window lists all of the licenses that are currently available on your machine. This includes any node-locked, floating or server connection licenses. Double-click a license or right click >> Properties to view all of its attributes.

![License Manager Main Window](image)

License Manager field descriptions:

- **Product**: the name of the licensed product
- **Maint. Expires**: the maintenance expiration date (software updates and technical support expiration)
- **License Expires**: the date when license expires
- **Type**: license types include: normal and demo
- **Available**: the number of licenses in use
- **Roaming**: Shows how many seats are borrowed from the floating license

### 3.2 Menu
Use **Menu** to access the most commonly used License Manager functions:

- **Activate a License Key** – opens **License Key Activation** window
- **Manual Activation** – opens **Manual Activation** window
- **License Servers** – opens **License Server Connections** window
- **Download License Updates** – downloads any updates from Citilabs for your license
- **Deactivate** – de-activates the selected license
- **Activate ArcGIS Engine** – authorizes ArcGIS Engine
- **Firewall** – creates a firewall rule on a license server
- **Usage** – lists the current checked out/borrowed license users on a floating license server
- **Group By Product Suite** – sorts products by licenses or product name

There are also additional functions (Roam/Return/Deactivate/Properties), if the user right clicks on a license.

#### 3.2.1 Download License Updates
The **Download License Updates** lets the users download any updates to their licenses (such as maintenance/expiration dates) from the Citilabs server.

1. Open the **Download License Updates** window from **Menu**
2. Select the licenses which you would like to update
3. Click **Download Updates**. Once the update is done successfully, the status will change to **Updated**

![Citilabs License Manager - Download License Updates](image)

4. Close the **Download License Updates** window and **Refresh** the license manager
3.2.2 Deactivate
The Deactivate option allows you de-activate a license on the current computer, so that the license key activation can be re-hosted on a different computer.

1. Select the license which you would like to deactivate.
2. Go to Menu > Deactivate.
3. License Manager will show a confirmation window. Click Yes if you would like to proceed with the de-activation.

3.2.3 Activate ArcGIS Engine
This option will activate the ArcGIS Engine, if you have a valid Cube license and valid ArcGIS Engine installed.

3.2.4 Firewall
When creating a license server, the Firewall window can be used to create a firewall rule that will allow connections to a floating license (this does not apply to node-locked licenses).

3.2.5 Usage
This option lets the user check the list of computers which have currently checked out or borrowed seats from a floating license. The Usage option can only be used on a computer where a floating license is activated.
### 3.2.6 Group by Product Suite

This option will list the products grouped by license. If this option is not selected, products will be listed alphabetically.

### 3.2.7 Return Borrowed License

The user can return a borrowed license before the borrowing period ends. The user needs to be connected to the floating license server from which the license was borrowed.

1. Select the roaming license which you would like to return.
2. Right Click and select **Return**
3. If the license return is successful, the roaming license will be removed from your license manager.

3.3 Refresh

Refresh will update the available license counts for all license types.

- **Restart the License Service** – updates the license list with any changes to your local floating licenses.

3.4 Help Menu

You can access the Help system from the Help menu, available on the top right of the License Manager window.

- **Help** – opens up the License Manager Help document.
- **About** – lists the versions of Citilabs related software and server status.