

# DHI License System

User Guide





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# 1 Introduction

The DHI License Management application is a tool for managing your DHI software licenses. Managing the licenses includes

- importing license files into the license service
- connecting your DHI software applications to a license service
- identifying available licenses
- overviewing which licenses are in use by whom

Licenses for the software (except Internet) are provided in a text file with the name xxx.dhilic. The license files must be imported into the license system before you can make use of your MIKE software - either on a server or on your local PC.

## 1.1 The DHI License System

The DHI License Management system consists of a license server application (a Windows service) that can be installed on a corporate server or on a users' local workstation or on a DHI server. These three deployment modes are named Network mode, Local mode and Internet mode; the mode used in your organization depends on the sales contract between your organization and DHI.

The DHI License Management tool gives you access to three deployment modes

- Network mode
- Local mode and
- Internet mode

The mode available to your organization depends on the sales contract between your organization and DHI.

The MIKE Software applications connect to the license server when running for verifying that there are free licenses available. This is called requesting a license - and if successful, the license becomes "taken". When the application finishes, it releases its taken license and it becomes available.

A MIKE Software application may require multiple licenses (known as license modules) to run; it depends on the features or modules required for carrying out the requested application processing.

You may further use the DHI License Management tool for viewing the modules your organization has available together with the number of seats (i.e. the number of licenses for a given module that can be taken at any given time).







## 2 Installing the DHI License Management

To install the DHI License Management tool, please download the software package that you would like to use. When you have unzipped the file, please run the setup.exe from the "DHI License Manager" folder. It will not be automatically installed with your selected software product.

In case you try to connect to localhost and the DHI License Management has not been installed properly, the following error message will appear:

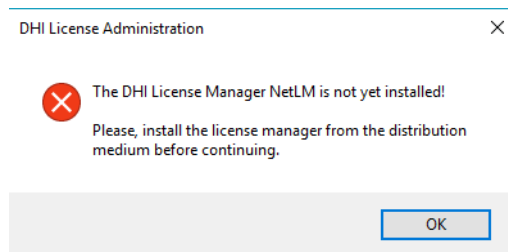


Figure 2.1 Error message from DHI License Management





### 3 User Interface

The DHI License Management tool user interface appears as shown in Figure 3.1 below.

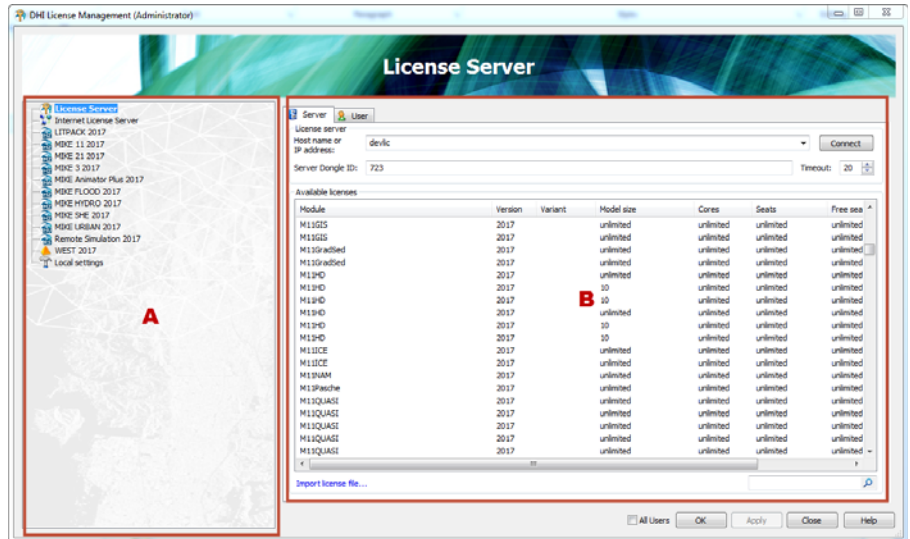


Figure 3.1 The DHI License Management tool user interface

The left panel (A) of the main view functions as a navigation mechanism - here you will be able to see which MIKE software has been installed on this PC.

Selecting "All licenses" will enable you to see all the license modules (B) that are available to you with the installed license file. If you select a product, the licenses available for the chosen product will be shown.

See the "How-To" sections below for learning how to use the tool.



## 4 How-To

This section explains how to use the DHI License Management tool for managing your DHI licenses and for connecting to a license server.

### 4.1 How do I import a license file?

DHI licenses comes packed in a text file with the name xxx.dhilic.

Before you install a license file, the Available Licenses area will be empty.

The license is imported by selecting License Server at the top of (A)

Then:

- Connect to the computer that shall hold the licenses (local host or server)
- Click the "Import license file..." link below the available licenses list
- Browse and select the supplied xxx.dhilic license file and click Open

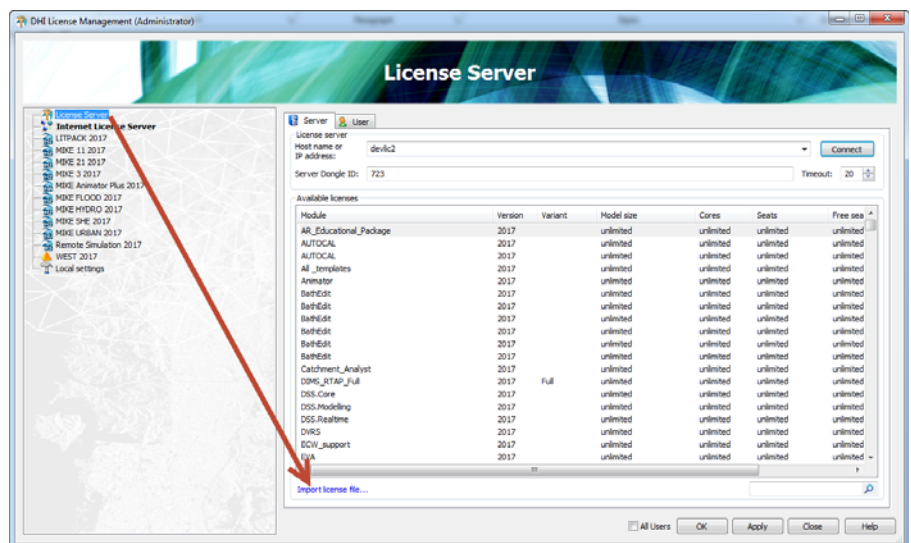


Figure 4.1 Importing license file

Please be aware of the following

- You can import a license file to both a locally installed license server or a remotely installed one, but



- If you import to a locally installed license server and do not have Windows Administrator rights, you will be prompted for License Administrator Credentials
- If you import to a remotely installed license server, you will always be prompted for License Administrator Credentials

Please note that using the internet license server does not require import of a license file.

## 4.2 How do I connect to the license service?

The license service may be in one of two modes dependent on your license type

1. License service within your organisation (local or network based)
2. Internet Based License

Depending on which of the above licenses you have acquired within your organization the connection procedure varies.

### License service within your organisation

Your DHI software needs access to a license service for requesting the required license modules. On the PC or server, where the DHI dongle is inserted:

- Select the "License Server" node in the left panel
- In the right panel, specify the Host as "localhost".
- Click Connect

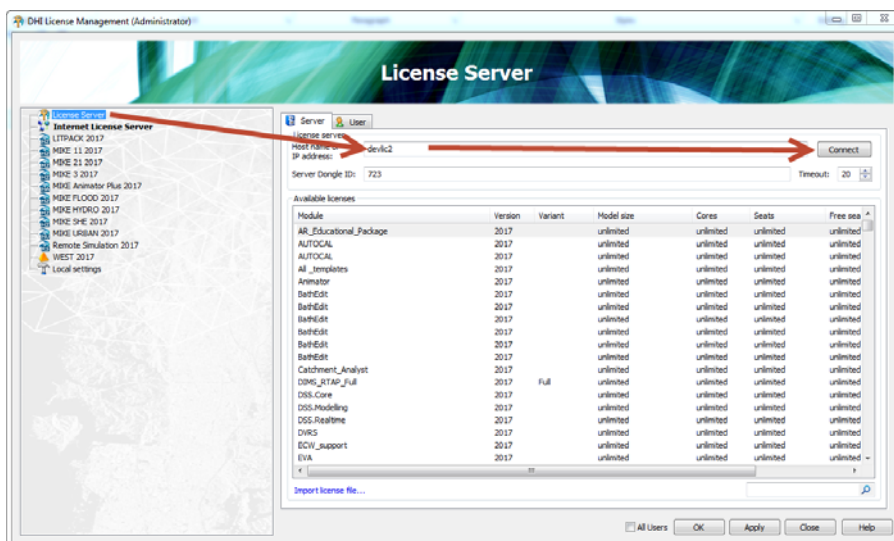


Figure 4.2 Connecting to License server

Your dongle number will now be shown in the "Server Dongle ID" field and if the license file has been imported, the available modules will be displayed.

If you are using the dongle on your local PC, you are ready to run the software.

If you installed the license on a server, you now need to connect to the server from your local PC. You do that by entering the name or the IP address of the server in the Host field.

To switch between license services, connect to localhost or another named server as appropriate.

### Internet Based License

Your DHI software needs access to the internet license service for requesting the required license modules.

On your local PC use the License Administration application for selecting the Internet License server to be used.

- Select the "Internet License Server" node in the left panel
- In the right panel, you enter your User login and your password.
- Click Connect
- The available licenses will be displayed in the lower part of the window

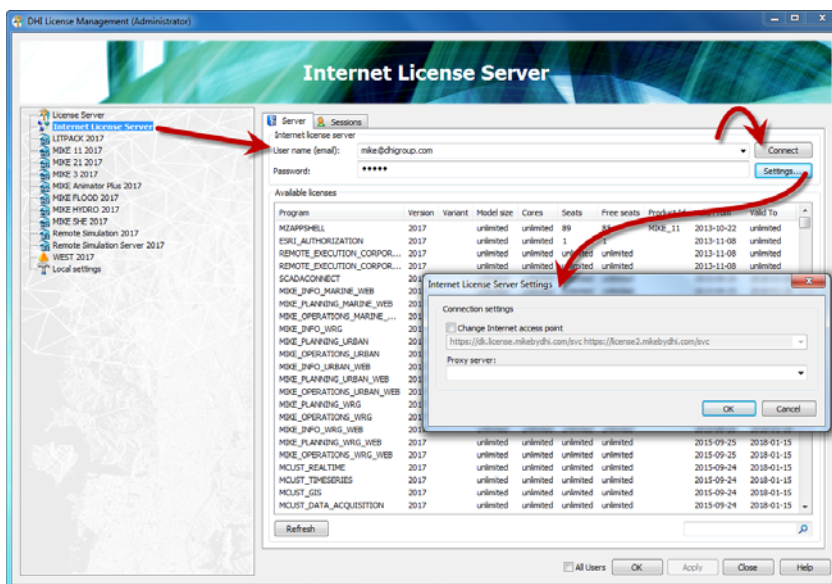


Figure 4.3 Internet license server

A couple of additional settings are available within this window:

- The Internet access point: By default this is set by the installation and should only be modified if instructed to do so by MIKE, Client Care.
- If your organization utilizes a proxy server for accessing the Internet supply the address in the field provided.

### 4.3 How do I list the available license?

You can see the available license by either selecting the "(Internet) License Server" node in the left panel or by selecting a specific product in the left panel.

If you select "License Server" you will see all the licenses in the license database and if you select a product you will see the licenses that relate to the selected product.





How do I list the available license?

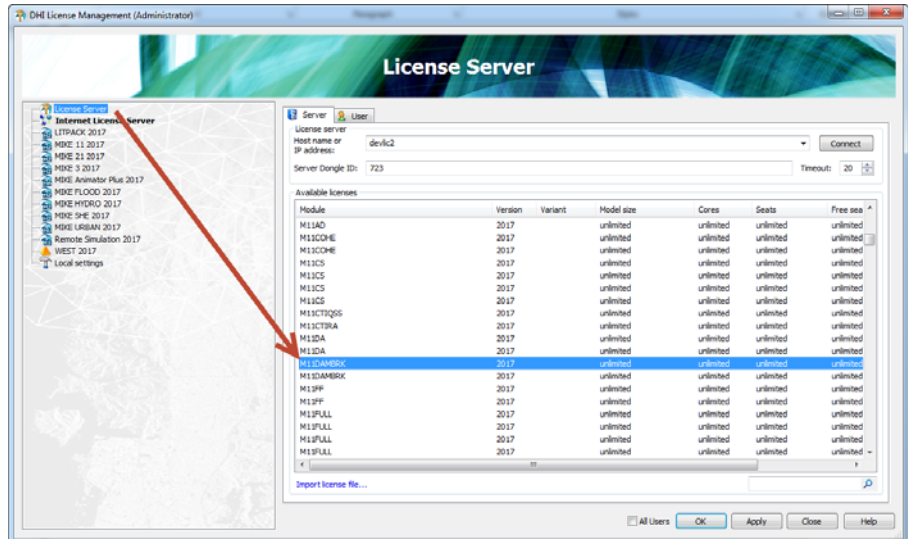


Figure 4.4 List of licenses

The list of available licenses includes the number of seats available for each license module and information on how many of these are in active use.

If you have configured the License Administration tool for running with the Advanced User Interface, you can see the details of a specific license by selecting the license in the Available list and then clicking the License tab.

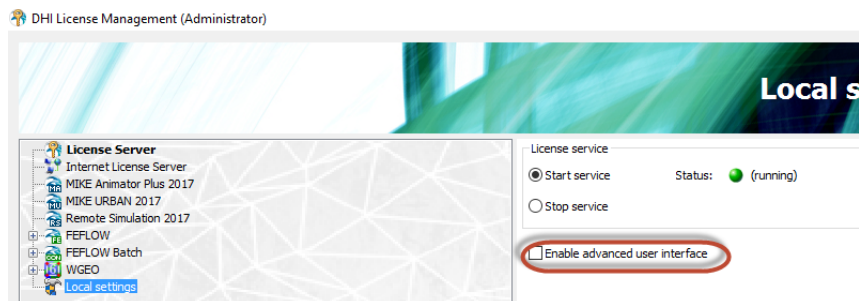


Figure 4.5 Where to enable advanced user interface

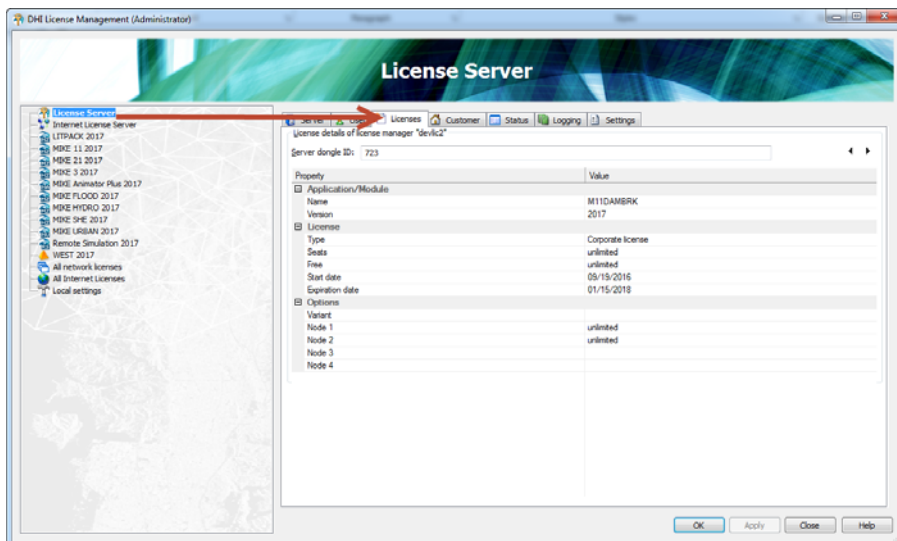


Figure 4.6 License information in the Advanced User Interface

## 4.4 How do I see which licenses are in use and by who?

You can see the licenses that are in active use and by who by selecting the User tab from either the "License Server" view or a product specific view.

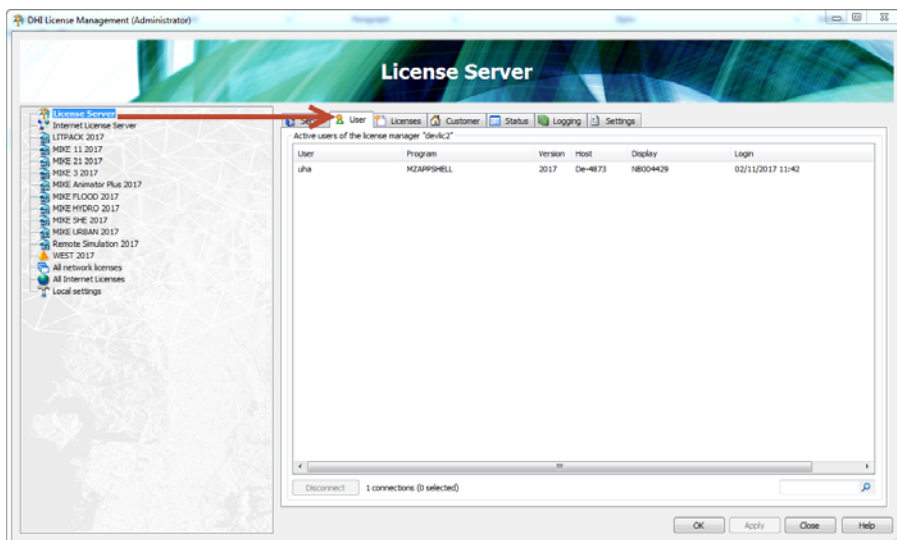


Figure 4.7 List of active users

The User tab shows the licenses that are in active use with information about who is using the license, when was the session started and on which PC.



## 4.5 How do I release a license

In some situations it may be necessary to remove a user from using the license/part of the license.

You can disconnect a user by selecting the session(s) in question and clicking disconnect.

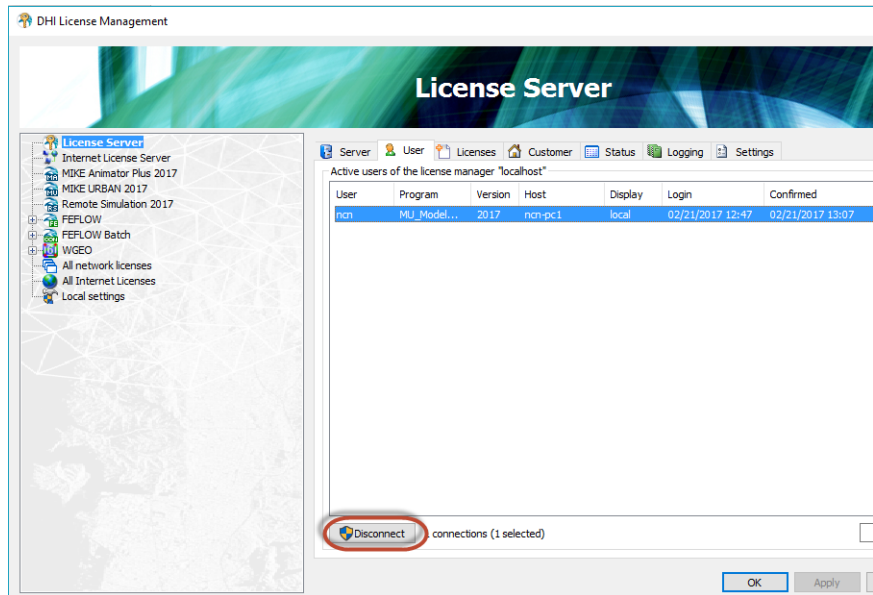


Figure 4.8 Disconnecting license

You will be prompted to enter administrator credentials to disconnect.

## 4.6 How do I start and stop the license service?

You can stop the license service from the Status tab in the 'License Server' view if you have the Advanced User Interface activated.

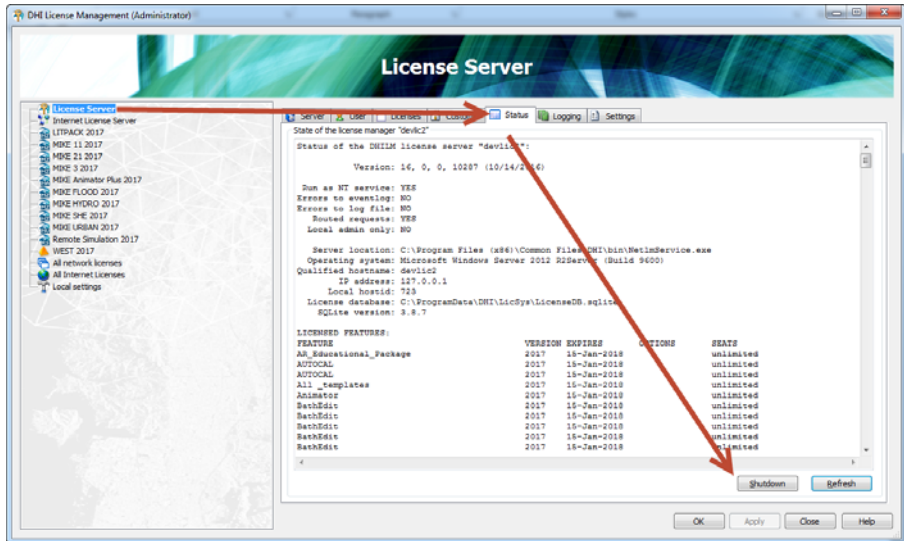


Figure 4.9 Stop license service button in Status User Interface

Note that you need to have license administrator rights in order to shutdown a remote running license service. You will be prompted to enter administrator credentials as shown below.

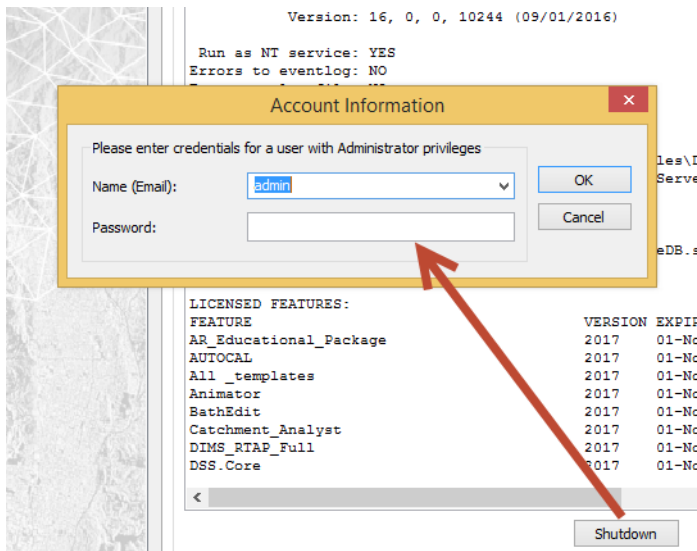


Figure 4.10 Entering administrator credentials

You cannot start a remote license service; this can only be done from the computer where the license service is installed.



How can I get a log of license system related events?

However, you can start a locally installed license service from the Local Settings view on the computer.

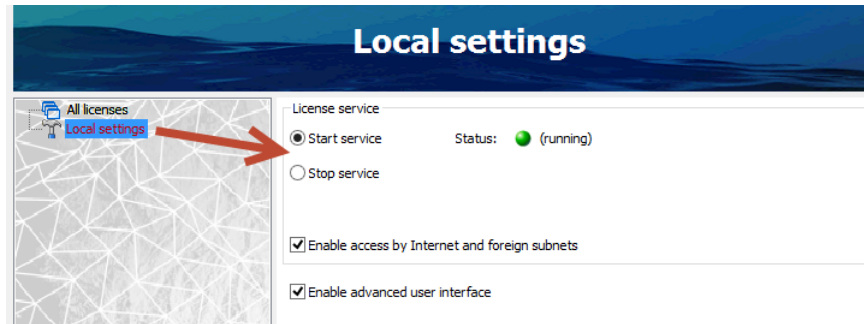


Figure 4.11 Starting local license server

## 4.7 How can I get a log of license system related events?

You can get the log of license system events from the 'License Server' logging tab (Advanced User Interface needed).

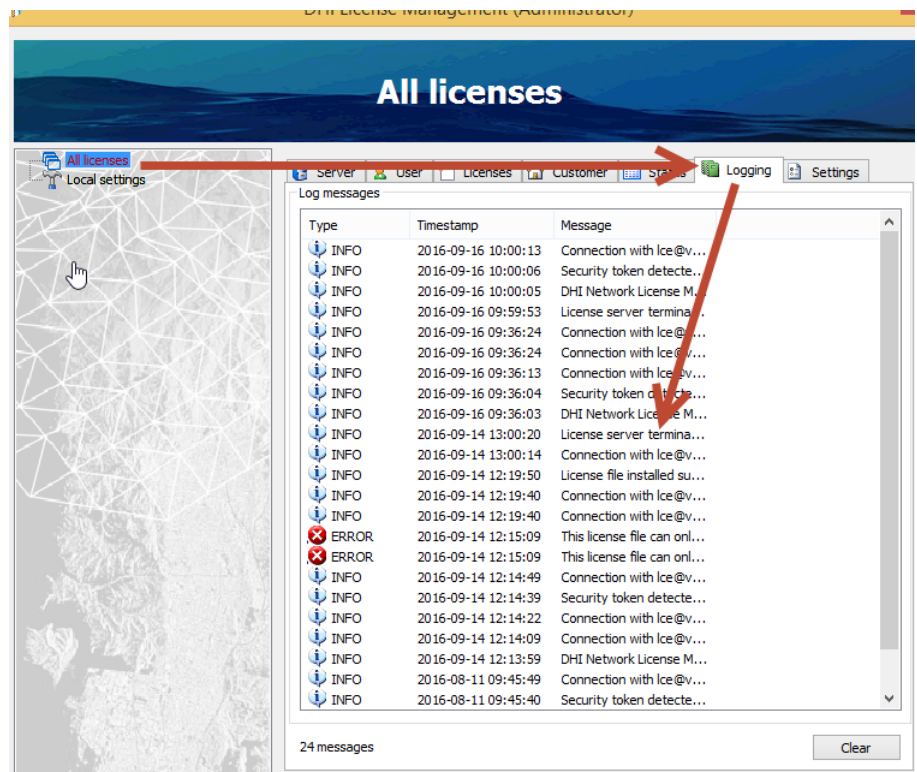


Figure 4.12 Log messages in User Interface



You can also clear the log from this page.

The log level - i.e. the amount and type of logging - can be configured on the Settings tab.

- Error - logs license system errors including failed license requests
- Warning - includes additional warning log messages
- Info - includes all requests including successfully honored license requests
- Debug - includes a large number of internal log messages.  
**NB:** You should only use this level in case of license system malfunctioning and only for a short period of time as it produces a very large number of log messages

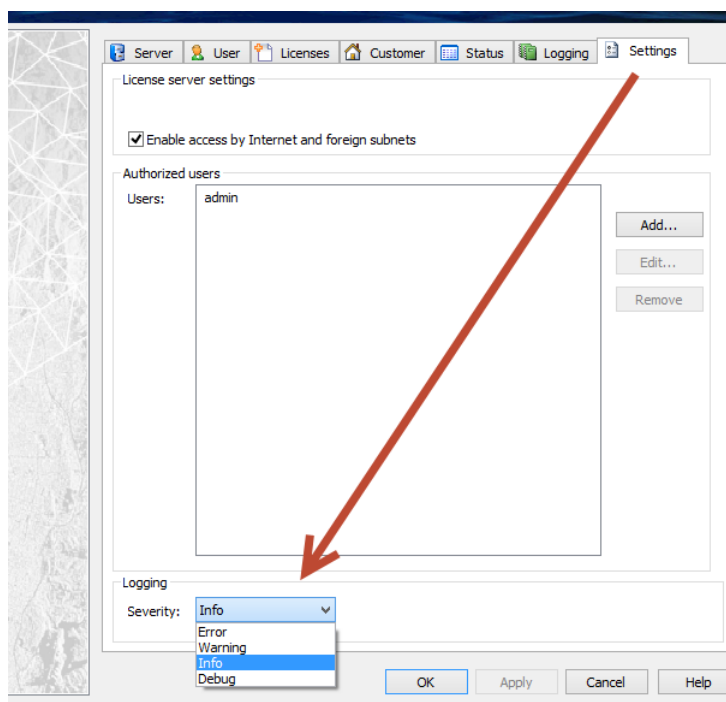


Figure 4.13 Editing log level from Settings tab



## 5 License Administrator Credentials

You need license administrator credentials for importing a license file, for stopping and starting the license server and for changing log levels.

License administrator credentials are created by:

- Clicking on Advanced user interface on the Local Settings page
- Click the Settings tab on the “License Server” page
- Click the Add button and create a new user with Administrator privileges (Role)

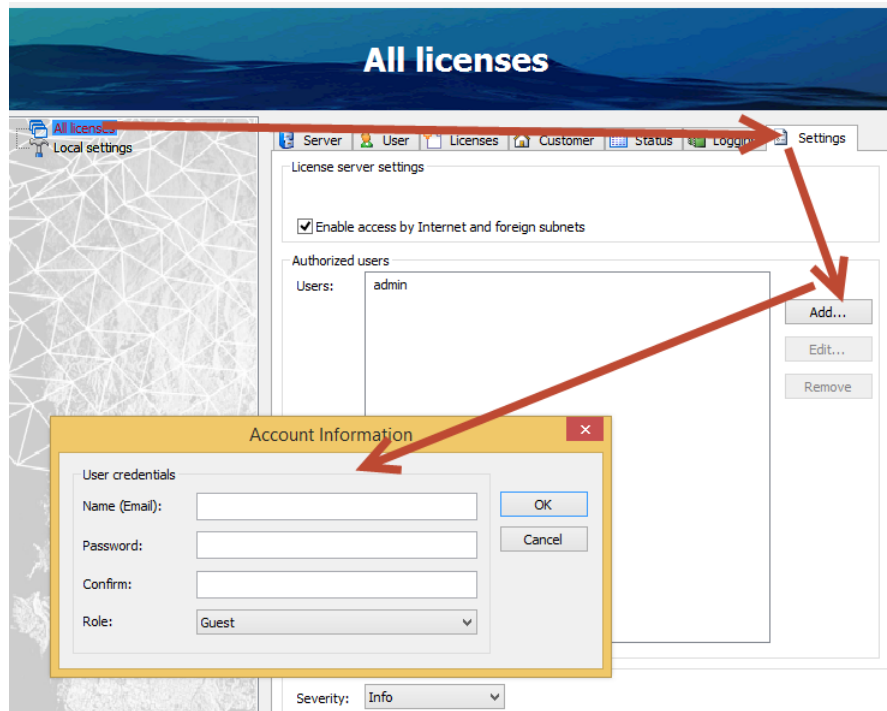


Figure 5.1 Creating License Administrator credentials

When installed the license system includes one user with Administrator credentials - ‘admin’ and with password ‘licadmin’.

**NB:** You should change this password once you start using the system.







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