DHI License Management

User Guide

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1 Introduction

The DHI License Management application is a tool for managing your DHI software licenses. It comes in two versions, a studio version, and a complete version. Studio version is installed automatically along with any MIKE Powered by DHI products.

The complete version is only required to install in case you are activating the license issued on a hardware key (dongle).

Managing the licenses includes

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

Licenses for the software (except Internet) are provided in a text file with the name *xxx*.dhilic2. The license file 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, a user's local workstation or on a DHI server. These three deployment modes are named as:

- Network mode
- Local mode and
- Internet mode

The type of mode available to your organization depends on the sales agreement between your organization and DHI.

Internet mode does not require a separate installation of the DHI License Management tool. The Studio version installed with the software will be sufficient for connecting to the Internet License server.

The MIKE Software applications connect to the license server while running for verifying free licenses is called requesting a license - and if successful, the license becomes "taken". When the application is shut down, it releases the taken license(s) and make them available again.

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.

The DHI License Management tool can be used 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 tool

The tool comes as a separate download for each version. If you are running MIKE product from a local PC with a hardware key, it is required to have 'DHI license management tool' installed together with MIKE software.

It is strongly recommended to install the DHI License Management tool as administrator. After unzipping the file make sure to right-click the setup.exe file and choose 'Run as administrator'.

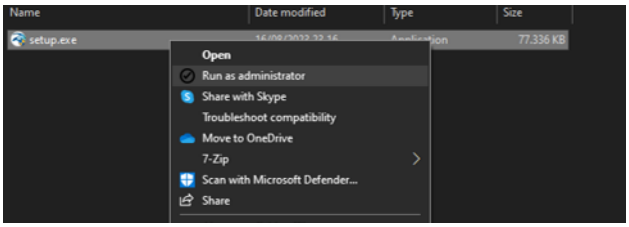

Figure 2.1 Installing using ‘Run as administrator’

For Network mode, the tool must be installed on a server only.

Available options related to licensing are listed in Table 2.1.

Table 2.1 Options related to licensing

	Hardware key	**Installing DHI License manager required**
Local mode	Yes	Yes
Network mode (recommended)	Yes (on server only) No (on client PC)	Yes (on server only) No (on client PC)
Internet mode	No	No

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

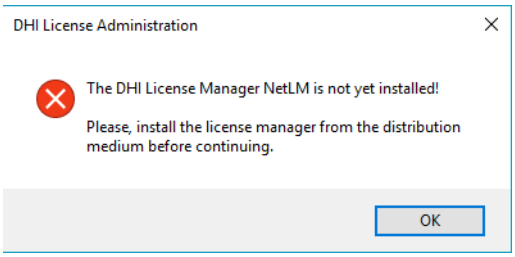

Figure 2.2 Error message from DHI License Management

3 User Interface

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

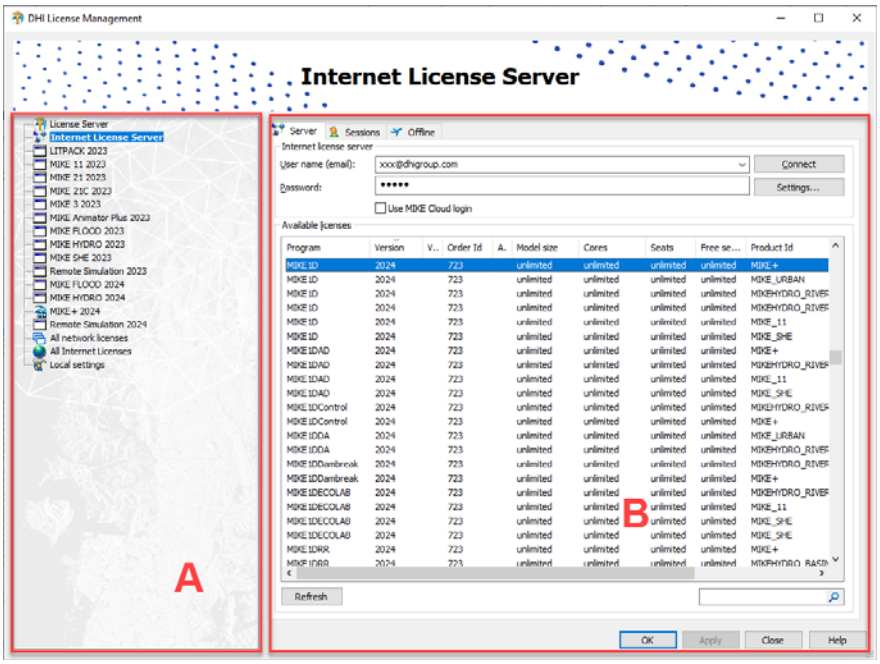

Figure 3.1 The DHI License Management tool user interface

The left panel (A) shows a navigation menu - here you will also be able to see which MIKE software has been installed on this PC, if applicable.

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.

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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. In case you are using an internet license, please refer to the Internet license user guide.

4.1 How do I import a license file?

DHI licenses for MIKE version 2024 come packed in a text file with the name *xxx*.dhilic2.

Before you install a license file, the “**Available Licenses**” area is empty.

Depending on where the license should be activated, make sure to insert your dongle into the server or the PC. The license is imported by selecting '**License Server**' at the top of (A). See Figure 4.1 below.

Then:

- Choose **Localhost** as Host name
- Click the "**Import license file…**"
- Follow the screen instruction to browse to the supplied xxx.dhilic2 license file

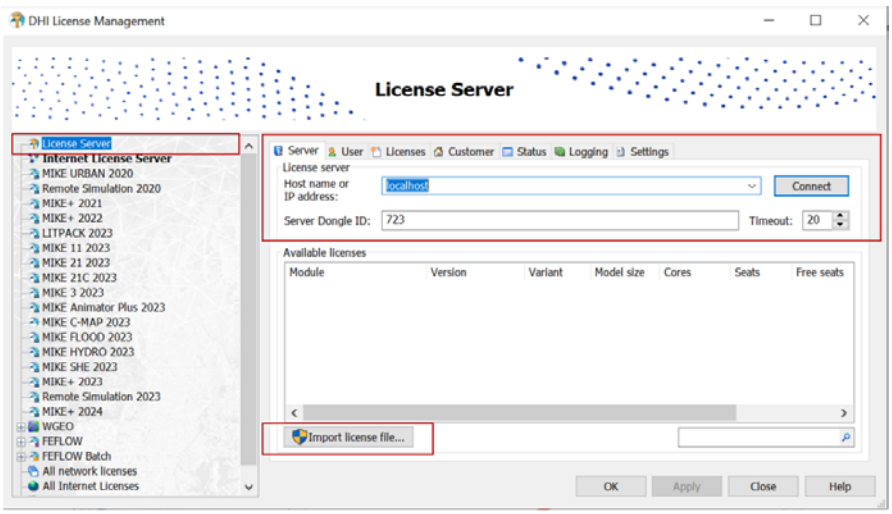

Figure 4.1 Importing license file

If you are working on a PC with the dongle connected and the software installed, you are now ready to use the software.

Please be aware of the following conditions:

- You can import a license file to a local license server or a remote one, but
  - If you import to a local license server and do not have Windows Administrator rights, you will be prompted for License Administrator Credentials
  - If you import to a remote license server, you will always be prompted for License Administrator Credentials
  - Internet license does not require the import of a license file. Please refer to Internet license user guide for details.

4.2 How do I connect to a license service?

Based on the type of licenses you have acquired within your organization the connection procedure may varies:

1. License service within your organisation (network based)
2. Internet based license

License service within your organisation

Your DHI software needs access to a license service for requesting the required license modules, see Figure 4.2.

- Select the "**License Server**" node in the left panel
- In the right panel connect to the license server in your company network (You can write the server's name or enter the IP address)
- Click Connect

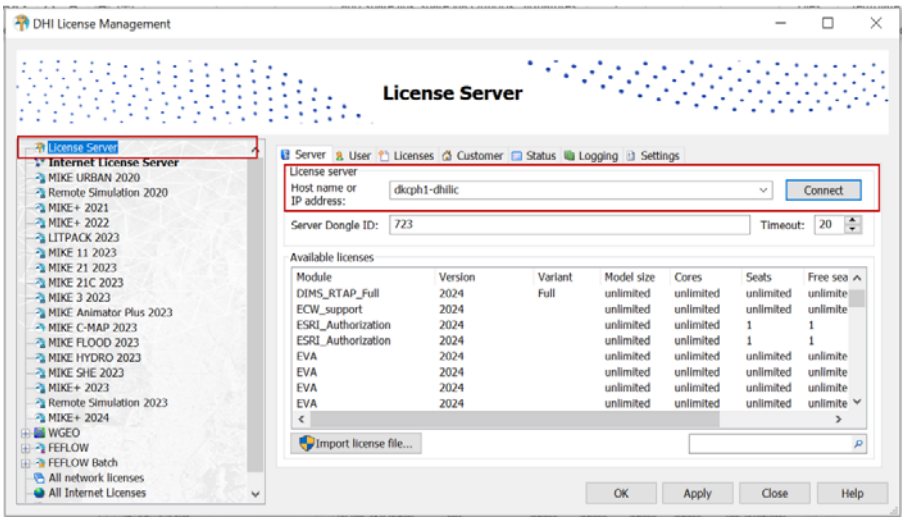

Figure 4.2 Connecting to License server

Your organisation's dongle number will now be shown in the "Server Dongle ID" field and the available modules will be displayed.

Internet based license

On your local PC use the License Administration application for selecting the Internet License server option, see Figure 4.3.

- Select the "**Internet License Server**" in the left panel
- In the right panel, enter your Internet license credential with a User name and a password or check the 'use MIKE Cloud login'.
- Click Connect
- The available licenses will be displayed
- Click Apply

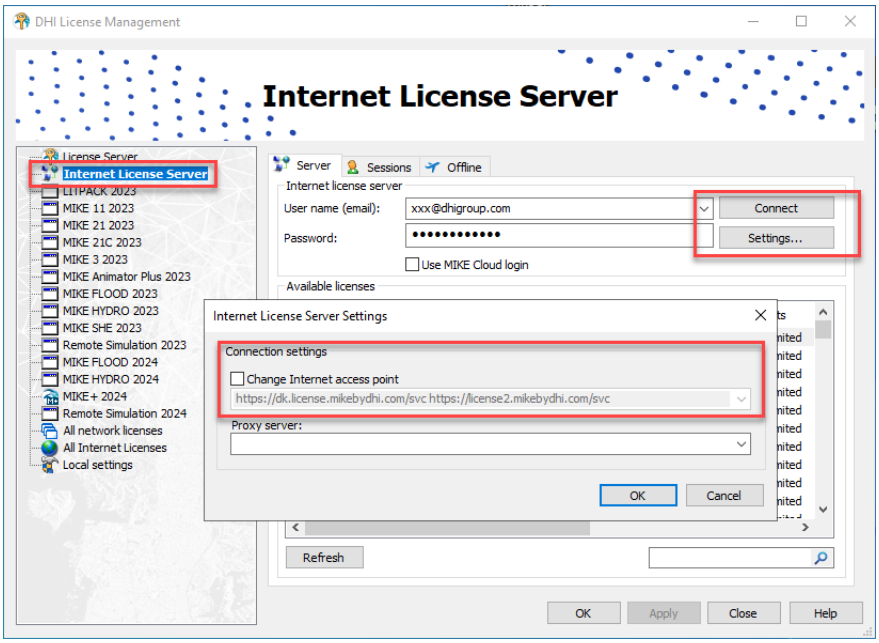

Figure 4.3 Internet license server

A couple of additional settings are available for internet license:

- **The Internet access point**: By default this is set by the installation and should only be modified if instructed by the software provider.
- If your organization utilizes a proxy server for accessing the Internet, please enter the address in the field provided.

A more detailed description of the use and functionality of the Internet based license is included in the **MIKE Internet License User Guide** that can be accessed from the DHI License Management Documentation Index.

4.3 How do I list the available licenses?

Once the license is activated (applies to both dongle based license or internet license) you can see the available licenses in the right area panel (B), see Figure 4.4.

If you use a network mode license, select “**License Server**” to see the available licenses. For internet license, select “**Internet License Server**”. If you select a product, you will see the licenses that relate to the selected product.
Please note that not all products or license types have this available.

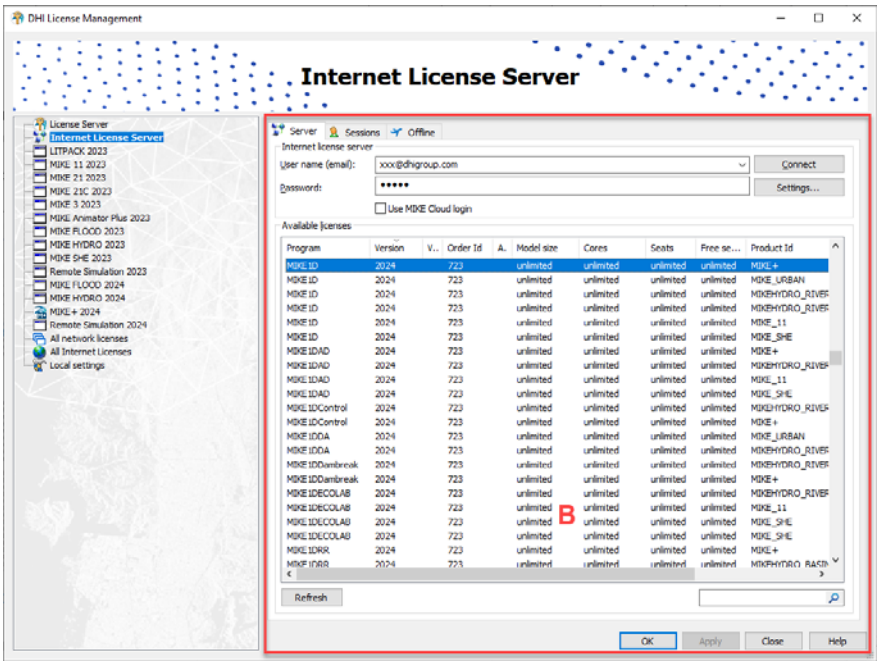

Figure 4.4 List of available licenses

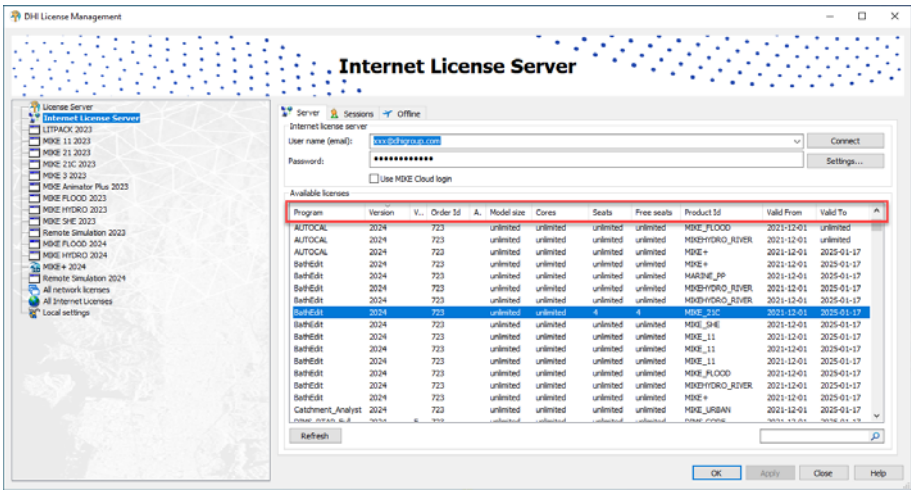

Figure 4.5 List of licenses

The list of available licenses shows the license information including:

- Program name e.g. licensed module name for a specific product
- Model size e.g. the limitation on the number of nodes
- Seats and available seats meaning how many seats were licensed and how many seats are in active use

- License start date and expiry date meaning the earliest license activation date and the license expiry date

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.

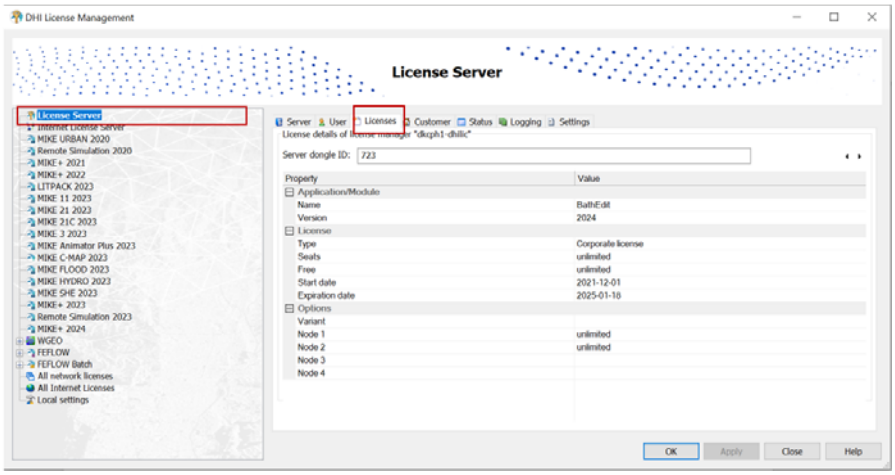

Figure 4.6 License information in the Advanced User Interface

4.4 How to enable the Advanced User Interface

It is possible to enable the advance User Interface under left panel '**Local settings**' as shown in Figure 4.7.

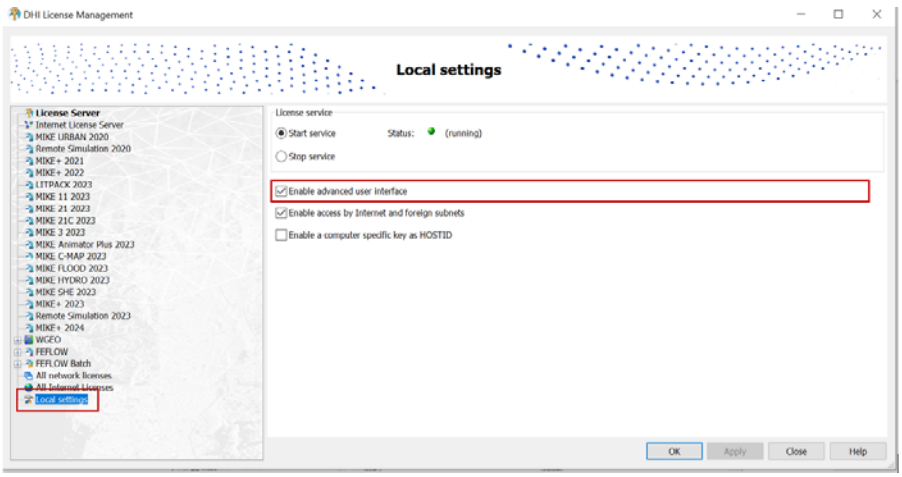

Figure 4.7 Enable the advanced user interface

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

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

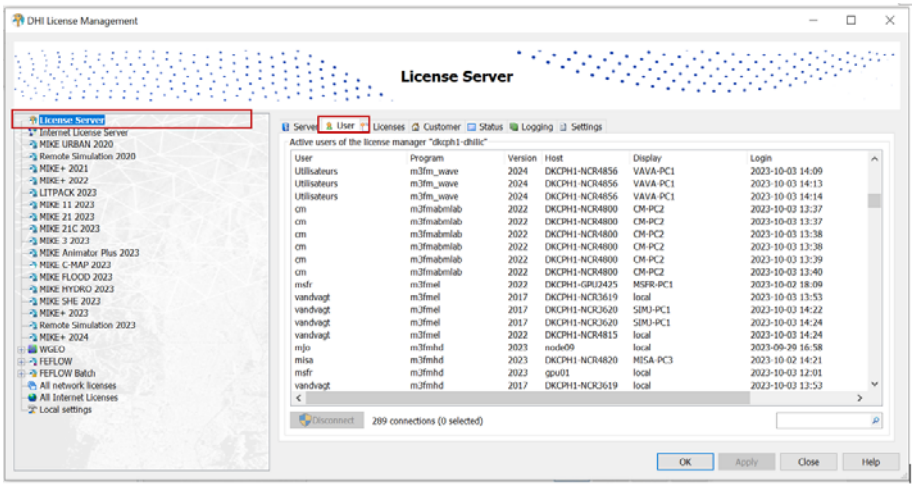

Figure 4.8 List of active users

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

4.6 How do I release a license

In some situations, it may be necessary to remove a user from using certain license modules.

You can disconnect a user by selecting the session(s) in question and clicking disconnect. Then you will be prompted to enter administrator credentials. See Figure 4.9.

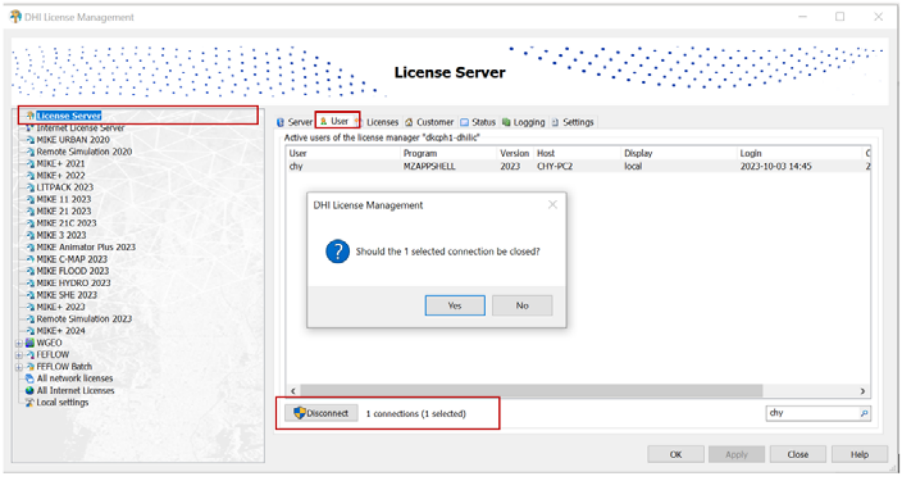

Figure 4.9 Disconnecting license

4.7 How do I start and stop the license service?

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

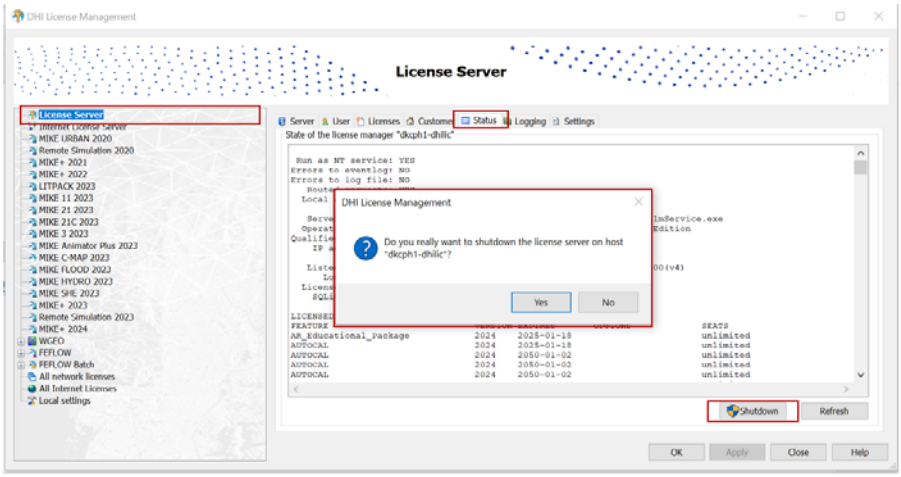

Figure 4.10 Stop license service button in Status User Interface

Note: You need to have license administrator rights to 'shutdown' a running license service remotely. You will be prompted to enter administrator credentials as shown in Figure 4.11.

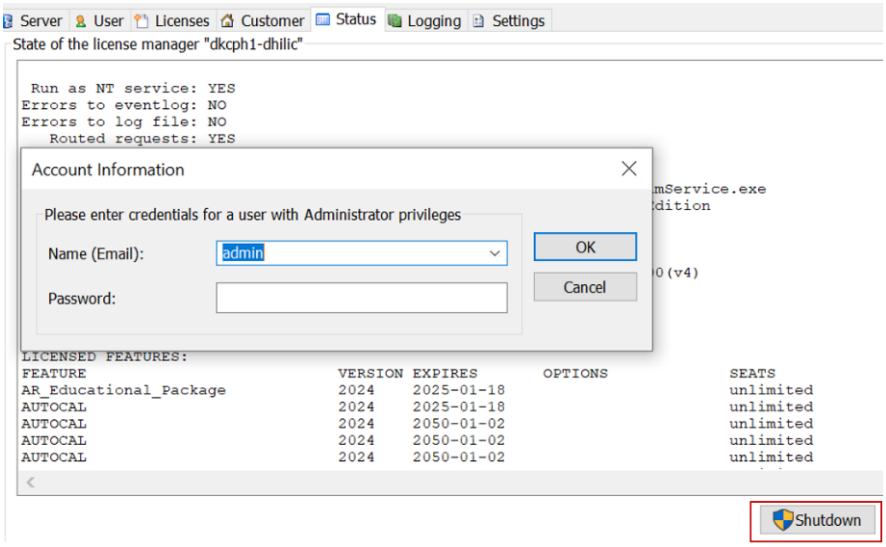

Figure 4.11 Entering administrator credentials to shut down a license service

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

However, you can start a locally installed license service from the Local Settings view on the computer, see Figure 4.12.

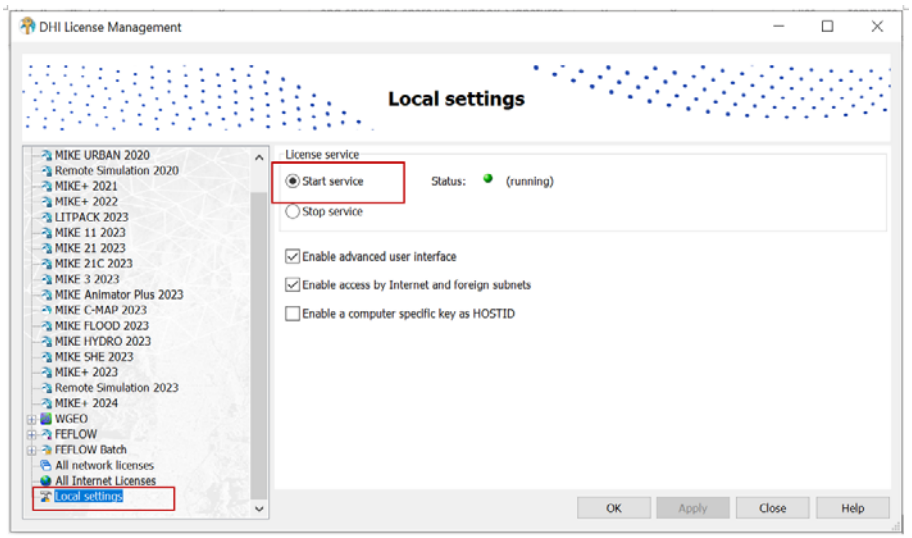

Figure 4.12 Starting local license server

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

You can get a log of the license system events from the 'License Server' Logging tab (Advanced User Interface needed), see Figure 4.13. You can also clear logs from this page.

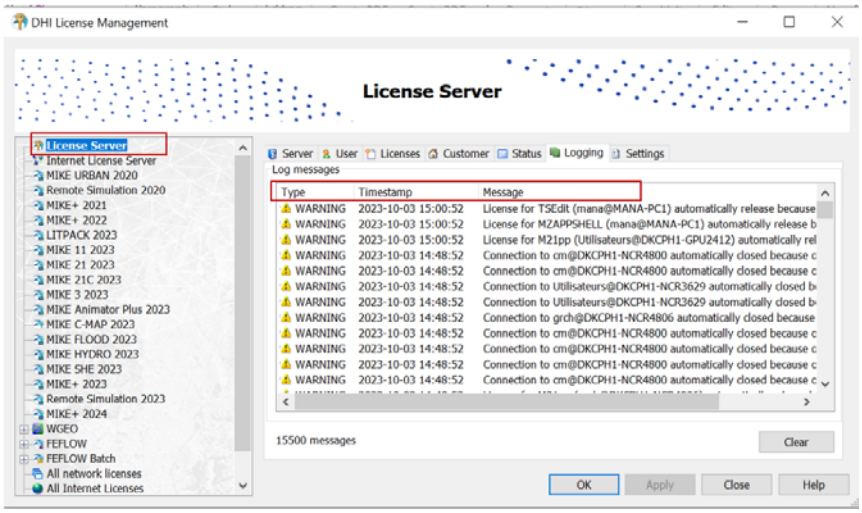

Figure 4.13 Log messages in User Interface

The log level - i.e. the amount and type of logging - can be configured on the **Settings** tab, see Figure 4.14. The log level can be one of the following:

- **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

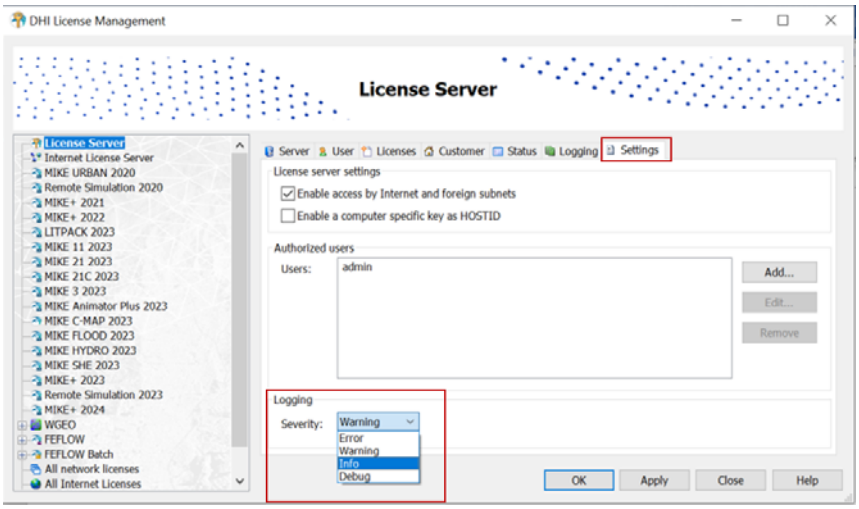

Figure 4.14 Editing log level from Settings tab

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5 License Administrator Credentials

You need ‘License Administrator Credentials’ for importing a license file on a server remotely, for stopping and starting the license server and for changing log levels, see Figure 5.1.

License administrator credentials are created by:

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

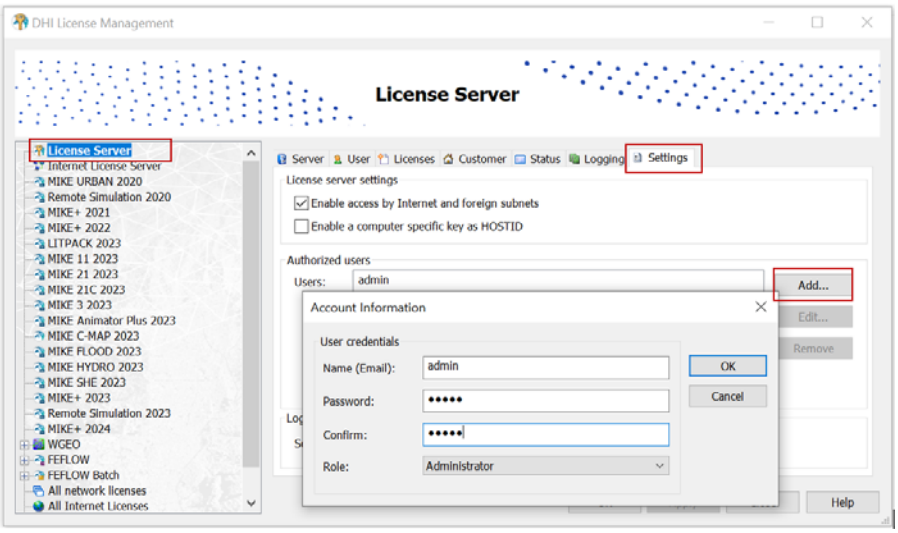

Figure 5.1 Creating License Administrator credentials

By default, the license system includes one user with Administrator credentials as:

Name: 'admin'
Password: 'licadmin'

NB: You should change this password to a personal one once the license system is initialized.

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