

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. 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 who

Licenses for the software (except Internet) are provided in a text file with the name *xxx*.dhilic. 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 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 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 that there are free licenses available. This 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 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.



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

If you wish to use Network or Local mode, it is necessary to install the DHI License Management tool. Only the Studio version will be automatically installed with your selected software product.

The tool comes as a sparate download for each version. For Local mode, the tool must be installed together with the software package that you would like to use. For Network mode, it must be installed on a server. When you have unzipped the file, please run the setup.exe as Administrator from the "DHI License Manager" folder.

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

| DHI Licen | ise Adm | ninistration | × |
|-------------------|---------|-------------------------------------------------------------------------------|------|
| $\mathbf{\times}$ | The D | HI License Manager NetLM is not yet installed! | |
| | | e, install the license manager from the distribution um before continuing. | |
| | | OK | |
| Figure | 2.1 | Error message from DHI Licen | se I |



Installing the DHI License Management

3 User Interface

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

| II License Management | | | VV | IVERE | * | -XIC | | ~ | | - 12 |
|--------------------------------------------|------------------------|-------------------|---------|----------|-------|-----------|-----------|-----------|------------|-----------|
| | | | | | | XRK5 | KD' | | -16-1 | > |
| | Inte | ernet Lic | ense | Server | | 40 | | | | |
| | | | Chibe | | | | | | | |
| | | | | | | | | | | |
| Ucense Server | Server 🔒 Sessi | | | | | | | | | |
| Internet License Server | | | | | | | | | | |
| MIKE URBAN + 2019 | Internet license serve | | | | | | | | | |
| MIKE Animator Plus 2020 MIKE URBAN 2020 | User name (email): | jemb@chigroup.com | 1 | | | | | | v | Connect |
| Remote Simulation 2020 | Password: | | | | | | | | | lettings. |
| Remote Simulation Server 2020 | | | | | | | | | | |
| MIKE + 2021 | Available licenses | | | | | | | | | |
| LITPACK 2022 | Program | Version | Variant | Order Id | Allas | Model s | Cores | Seats | Free seats | Pro |
| MDE 11 2022 MDE 21 2022 | m21pp | 2014 | | 70723 | | unlimited | unimited | unlimited | unlimited | |
| MIKE 212 2022 | BathEdit | 2014 | | 70723 | | unlimited | unlmited | unlimited | unlimited | |
| MIKE 3 2022 | GridEdt | 2014 | | 70723 | | unlimited | unlmited | unlimited | unlimited | |
| MIKE Animator Plus 2022 | MZAPPSHELL | 2014 | | 70723 | | unlimited | unlimited | 11 | 11 | |
| MIKE FLOOD 2022 | PlotComposer | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| MIKE HYDRO 2022 | ProfileEdit | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| MIKE SHE 2022 | Result_Viewer | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| Remote Simulation 2022 | TSEdit | 2014 | B | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| Remote Simulation Server 2022 | WS_Basic | 2014 | _ | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| WGEO | m21fmhd | 2014 | FM | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| FER.OW Batch | mflood | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| All network licenses | M210verland | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| Al Internet Licenses | mfoodad | 2014 | | 70723 | | unlimited | unlmited | unlimited | unlimited | |
| Local settings | m21hd | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| | m21nhd | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| | m21fmGPU | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| | ¢ | | | | | | | | |) |
| | Refresh | | | | | | | | | |
| | Kurrear | | | | | | | | | |

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.





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 for MIKE version 2023 comes packed in a text file with the name *xxx*.dhilic2.

Before you install a license file, the "Available Licenses" area is empty.

Please insert your dongle into the server or the PC. The license is imported by selecting License Server at the top of (A).

Then:

- Choose Local host as Host name
- Click the "Import license file..." link below the available licenses list
- Browse and select the supplied xxx.dhilic2 license file and click Open

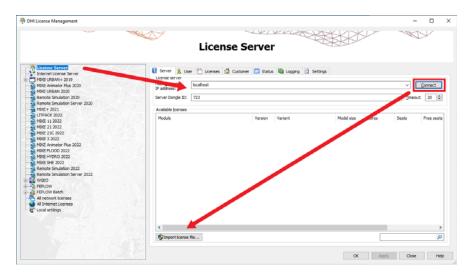


Figure 4.1 Importing license file

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

• 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

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

4.2 How do I connect to a license service?

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

- 1. License service within your organisation (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.

- Select the "License Server" node in the left panel
- In the right panel connect to the license server in your company network
- Click Connect

| | | | | | | | | - | |
|---------------------------------------------------------|---------------------------|-------------|-----------|---------------|--------------|-----------|------------|-----------------|------|
| ~ | | cense | | IVERL | | | X12 | - ACT | |
| | LI | cense | Serv | ei | | | | | |
| Conse Server | 😵 Server 🙎 User 📍 Lic | enses 🙆 Qui | tomer 🗖 S | tatus 🐻 Loote | na 🗈 Settina | 6 | | | |
| MIKE URBAN + 2019 | License server | | | | | | | | |
| MIKE ORDANI # 2019 | Host game or devic | | | | | | | ✓ Com | |
| MINI LIBIAN 2020 | IP address: | | | | | | | · 201 | ett |
| Remote Simulation 2020 | Server Dongle ID: 723 | | | | | | | Timeout: 2 | 10 K |
| Remote Simulation Server 2020 | Server burge to: 725 | | | | | | | Tuesor 1 | 0 0 |
| MIKE + 2021 | Available licenses | | | | | | | | |
| LITPACK 2022 | Module | | | | | | - | | |
| MINE 11 2022 | | Version | Variant | Model size | Cores | Seats | Free seats | Product Id | |
| MIKE 21 2022 | MO_Data | 2022 | | unlimited | unlimited | unlimited | unlimited | MIKE_OPERATIONS | |
| MIKE 21C 2022 | MO_Data | 2022 | | unlimited | unlimited | unlimited | unlimited | MIKE_OPERATIONS | |
| MIKE 3 2022 | MO_Data | 2022 | | unlimited | unlimited | unlimited | unlimited | MDKE_OPERATIONS | |
| MIKE Animator Plus 2022 | MO_Desktop_Operator_View | | | unlimited | unlimited | unlimited | unlimited | MDKE_OPERATIONS | |
| MIKE FLOOD 2022 | MO_Leakage_Monitor | 2022 | | unlimited | unlimited | unlimited | unlimited | MDRE_OPERATIONS | |
| MIKE HYDRO 2022 | MO_MIXE_INFO_Desktop | 2022 | | unlimited | unlimited | unlimited | unlimited | MIKE_OPERATIONS | |
| MIKE SHE 2022 | MO_MIKE_INFO_Web | 2022 | | unlimited | unlimited | unlimited | unlimited | MIKE_OPERATIONS | |
| Remote Simulation 2022 Remote Simulation Server 2022 | MO_Network_Rehabilitation | 2022 | | unlimited | unlimited | unlimited | unlimited | MIKE_OPERATIONS | |
| Kemote Simulation Server 2022 | MO_Planning | 2022 | | unlimited | unlimited | unlimited | unlimited | MIKE_OPERATIONS | |
| FER.OW | MO_Real_Time | 2022 | | unlimited | unlimited | unlimited | unlimited | MDRE_OPERATIONS | |
| C FEFLOW Batch | MO_Real_Time | 2022 | | unlimited | unlimited | unlimited | unlimited | MDKE_OPERATIONS | |
| All network licenses | MO_Scenarios | 2022 | | unlimited | unlimited | unlimited | unlimited | MIKE_OPERATIONS | |
| All Internet Licenses | MO_Web_Operator_View | 2022 | | unlimited | unlimited | unlimited | unlimited | MIKE_OPERATIONS | |
| a Local settings | MO_WorkBenchUI | 2022 | | unlimited | unlimited | unlimited | unlimited | MDKE_OPERATIONS | |
| | MO_WorkBenchUI | 2022 | | unlimited | unlimited | unlimited | unlimited | MIKE_OPERATIONS | |
| | MO_WorkBenchUI | 2022 | | unlimited | unlimited | unlimited | unlimited | MDRE_OPERATIONS | |
| | ¢ | | | | | | | | > |
| | Import license file | | | | | | | | |
| | 3.2 | | | | | _ | OK Ad | xolv Close | н |





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.

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

| | | \mathcal{N} | | - W | IVERT | 5× | 3XK | DKJ | 7 | 1980 | \checkmark |
|----------------------------------------------|-----------------------|----------------------------|-----------------------|---------|----------|------|------------------------|---------------------|-----------|-----------|--------------|
| | | Inte | ernet Lie | ense | Server | ~ | | | | | |
| License Server | 1 L | Server 9 Sessi | ons 🌱 Offline | | | | | | | | |
| Internet License Server | | Internet license servi | | | | | | | | | |
| MIKE URBAN+ 2019 MIKE Animator Plus 2020 | | | iemb @dhigroup.com | | | | | | | | onnect |
| MIKE URBAN 2020 | | 200 | | | | | | | | | onnect |
| Remote Simulation 2020 | | Eassword: | | • | | | | | | Se | ttings |
| Remote Simulation Server 2020 MIKE + 2021 | | Available licenses | | | | | | | | - 7 | |
| LITPACK 2022 | | Program | Version | Variant | Order Id | Alas | Model s | Cores | Seats | F seats | Proc ^ |
| MIKE 11 2022 MIKE 21 2022 | | m21pp | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | · |
| MIKE 21 2022 MIKE 21C 2022 | | BathEdt | 2014 | | 70723 | | unlimited | unlimited | unicity | unlimited | |
| MIKE 3 2022 | | GridEdit | 2014 | | 70723 | | unlimited | unlimited | inited | unlimited | |
| MIRE Animator Plus 2022 | | MZAPPSHELL | 2014 | | 70723 | | unlimited | unimite | 11 | 11 | |
| MIKE FLOOD 2022 | | PlotComposer | 2014 | | 70723 | | unlimited | un ^a red | unlimited | unlimited | |
| MIKE HYDRO 2022 | | ProfileEdit | 2014 | | 70723 | | unlimited | unimited | unlimited | unlimited | |
| MIKE SHE 2022 | | Result_Viewer | 2014 | | 70723 | | unier La | unlimited | unlimited | unlimited | |
| Remote Simulation 2022 | | TSEdit | 2014 | | 70723 | | united | unimited | unlimited | unlimited | |
| Remote Simulation Server 2022 | | WS_Basic | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| WGEO FEFLOW | | m21fmhd | 2014 | FM | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| FEFLOW Batch | [| allocation and a second | 50.14 | | X | | unlimited | unlimited | unlimited | unlimited | |
| All network licenses | Internet License Serv | er settings | | | ~ | | unlimited | unimited | unlimited | unlimited | |
| All Internet Licenses | Connection settings | | | | | | unlimited unlimited | unlimited | unlimited | unlimited | |
| * Local settings | | | | | | | unimited | unimited | unimited | unimited | |
| | Change Interne | | | | | | unimited | unimited | unimited | unimited | |
| | https://dk.license. | mikebydhi.com/svc https:// | Ncense2.mikebydhi.com | n/svc | × . | | Gramited | unamided | uramiticu | Granated | |
| | Proxy server: | | | | | | | | | | > |
| | | | | | ~ | | | | | | 8 |
| | | | | | | | | | | | |

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, Customer Success.
- 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**, which is available from the DHI License Management Documentation Index.



4.3 How do I list the available licenses?

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. Please note that not all products have this available.

| ~~~ | | | VV1 | YHE | XXX | XXD | X1× | THE | \mathbf{V} |
|---------------------------------------------|---------------------|---------|---------|---------------|-----------|-----------|------------|-----|--------------|
| | | KE 2: | L 2022 | 2 | 4 | \$KD | | - | |
| A License Server | Ucenses & Sessions | | | | | | | | |
| P Internet License Server | Available licenses | | | | | | | | |
| MIKE URBAN+ 2019 MIKE Animator Plus 2020 | Module | Version | Bedeet | the data inc. | | a contra | | | |
| MIKE URBAN 2020 | Sec. (1997) | | Variant | Model size | Cores | Scata | Free seats | | |
| Remote Simulation 2020 | AUTOCAL | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| Remote Simulation Server 2020 | DVRS | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| MD/0E+ 2021 | M21FM_ABMLAB_ECOLAB | 2022 | FM_ABM | unlimited | unlimited | unlimited | unlimited | | |
| LITPACK 2022 | M21FM_ABMLAB_ECOLAB | 2022 | FM_ABM | unlimited | unlimited | unlimited | unlimited | | |
| MIKE 11 2022 | M21Overland | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| MDCF 21 2022 | MF_WorkBench | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| MIKE 21C 2022 | MD/E_CMAP | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| MDKE 3 2022 | MDXE_CMAP | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| MIKE Animator Plus 2022 | MD/E_CMAP | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| MIKE FLOOD 2022 | WS_Analysis | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| MIKE HYDRO 2022 MIKE SHE 2022 | WS_Analysis | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| Remote Simulation 2022 | WS_Analysis | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| Remote Simulation Server 2022 | m21ad | 2022 | | unimited | unlimited | unlimited | unlimited | | |
| WGEO | m21bw | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| FERLOW | m21bw1dh | 2022 | | unlimited | unimited | unimited | unimited | | |
| FEFLOW Batch | m21ecolab | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| Al network licenses | m21ecolab | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| Al Internet Licenses | m21ecolab | 2022 | | unlimited | unlimited | unlimited | unlimited | | |
| Cocal settings | m21ems | 2022 | | unlimited | unlimited | unlimited | unlimited | | |



| DHI License Management | | | | | | | | | - | |
|------------------------------------------------------|--------------------|--------------|---------|-----------|---------------|-------------|-----------|------------|-----------------|-----|
| ~ ~ | | | | V.V | IVERE | | XXX | KI- | - AN | C |
| | | Lice | nse S | Serve | er | | | | | |
| Ukcense Server Internet License Serv McE URBAN+ 2019 | Server 2 Use | r 🎦 Licenses | 🙆 Custo | mer 🔲 Sta | atus 🗓 Loggin | g 🔝 Setting | | | | |
| MIKE Animator Plus 2020 | Host pame or | devic | | | | | | | ✓ Conn | ect |
| MIKE URBAN 2020 | IP address: | | | | | | | | | |
| Remote Simulation 2020 | Server Dongle ID: | 723 | | | | | | | Emeout: 7 | 5 ¢ |
| Remote Simulation Server 2020 | Available licenses | | | | | | | | | |
| LITPACK 2022 | S. Arrows | | | | | | 1.1 | | | |
| MIRE 11 2022 | Module | | Version | Variant | Model size | Cores | Seats | Free seats | Product Id | ^ |
| MIKE 21 2022 | MDREHYDRO_BASI | | 2022 | | unlimited | unlimited | unimited | unimited | MIKEHYDRO_BASIN | |
| MIKE 21C 2022 | MDKEHYDRO_BASI | | 2022 | | unlimited | unlimited | unlimited | unlimited | MDKE_BASIN | |
| MIKE 3 2022 | MD/EHYDRO_BASI | | 2022 | | unlimited | unlimited | unlimited | unimited | MDREHYDRO_BASEN | |
| MIKE Animator Plus 2022 | MDKEHYDRO_BASI | | 2022 | | unlimited | unlimited | unlimited | unlimited | MDKE_BASIN | - 1 |
| MIKE FLOOD 2022 | MDREHYDRO_BASI | | 2022 | | unlimited | unlimited | unlimited | unlimited | MDKEHYDRO_BASIN | |
| MIKE HYDRO 2022 | MIXEHYDRO_BAS | | 2022 | | unlimited | unlimited | 4 | 4 | MDKEHYDRO_BASIN | _ |
| Remote Simulation 2022 | MD/EHYDRO_BASI | | 2022 | | unimited | unimited | 4 | 4 | MDKE_BASIN | |
| Remote Simulation Server 2022 | MD/EHYDRO_BASI | | | | unlimited | unlimited | 4 | 4 | MDKEHYDRO_BASIN | |
| WOED WOED | MEXEHYDRO_BASI | | | | unlimited | unlimited | 4 | 4 | MDKE_DASIN | |
| FER.OW | MD4DHYDRO_LOA | | 2022 | | unlimited | unlimited | unlimited | unlimited | MDCE+ | |
| 2 FEFLOW Batch | MDREHYDRO_LOA | | 2022 | | unlimited | unlimited | 4 | 4 | MDKEHYDRO_BASIN | |
| All network licenses | MIXEHYDRO_LOA | | 2022 | | unlimited | unlimited | unlimited | unlimited | MIKEHYDRO_RIVER | |
| All Internet Licenses | MDKEHYDRO_LOA | | 2022 | | unlimited | unlimited | unlimited | unimited | MOKE_SHE | |
| a Local settings | MDREHYDRO_LOA | | 2022 | | unlimited | unlimited | unlimited | unlimited | MOKE_SHE | |
| | MDKEHYDRO_LOA | | 2022 | | unlimited | unlimited | unlimited | unlimited | MDKE_11 | |
| | MDREHYDRO_LOA |) | 2022 | | unlimited | unlimited | unlimited | unlimited | MDKE_BASIN | ~ |
| | ۲. | | | | | | | | | > |
| | Simport license | le | | | | | | [| | ۶ |
| | | | | | | | | | | |



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.

| DHI License Management | | | - 0 × |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------|
| ~ 4 | License | e Server | - ADV |
| | Licenses details of license manager "devia Server dongle ID: 723 | Customer 🗔 Status 🐚 Logging 😒 Settings | |
| - MIKE URBAN 2020 | gene conge to: 725 | | |
| Remote Simulation 2020 Remote Simulation Server 2020 | Property | Value | |
| Construction Constervision Construction Construction Construction | Application/Module Name Version Usionnam Type Sasts Free Sast date Expiration date Context Value Note 1 Node 1 Node 4 | MIGHYDPO_BASIN_ENGINE 2022 Coposete Joense 4 4 2013-10-22 2023-01-16 unimited unimited | |
| | 23 | OK Apply | Close Help |

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 the menu item Local settings as shown in Figure 4.7.

| 😚 DHI License Management | | | | | : |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|-----------|----------|------------|
| ~ ~ | | Local s | settings | | - ADA |
| Ukense Server Ukense Server Most URBAN+ 2019 Most URBAN+ 2019 Most URBAN 2020 Most URBAN 2020 Remote Smulaton 2020 | Ucense service | Status: 🥥 | (running) | | |
| Remote Simulation 2020 Remote Simulation Server 2020 Remote Simulation Server 2020 Remote Simulation 2022 Remote Simulation 2023 Re | ⊡frable advanced us | er interface | | | |
| | Ē | | | OK Apply | Close Help |

Figure 4.7 Where to 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 who by selecting the User tab from either the "License Server" view or a product specific view.

| | | | - Ver | WERE | KKS | KIX P | - KI | 5 |
|---------------------------------------------------------|-----------------|-------------------------------|----------|------------------|----------|------------------|------------------|----|
| | | License S | erve | er | - AR | | | |
| A License Server | | | | | | | | |
| Internet License Server | | User 📸 Licenses 🚮 Cust | omer 🛄 : | Status 🐚 Logging | Settings | | | |
| MIKE URBAN+ 2019 | Active users of | f the license manager "devic" | | | | | | |
| MIXE Animator Plus 2020 | User | Program | Version | Host | Display | Login | Confirmed | 1 |
| MIXE URBAN 2020 Remote Simulation 2020 | FR_quest | FEFLOW | 7,402 | frec083.dhi.dk | local | 2021-09-28 08:41 | 2021-09-28 11:11 | |
| Remote Simulation 2020 Remote Simulation Server 2020 | bi | m21chd | 2021 | PLCP8 | LZI | 2021-09-28 09:46 | 2021-09-28 11:15 | |
| MIKE + 2021 | kdab | m21fmhd | 2020 | PLCP23 | KDAB1 | 2021-09-27 09:38 | 2021-09-28 11:13 | |
| LITPACK 2022 | buyi | m21fmsw | 2021 | BUYI-PC1 | local | 2021-09-28 08:54 | 2021-09-28 11:09 | |
| MDE 11 2022 | kdab | m21hd | 2020 | PLCP23 | KDAB1 | 2021-09-27 09:38 | 2021-09-28 11:13 | |
| MDKE 21 2022 | kdab | m21nhd | 2020 | PLCP23 | KDAB1 | 2021-09-27 09:38 | 2021-09-28 11:13 | |
| MDKE 21C 2022 | sdel | M21pp | 2021 | SDEL-PC1 | local | 2021-09-28 10:54 | 2021-09-28 10:54 | |
| MIKE 3 2022 | akap | M21pp | 2020 | PLCP22 | AKAP | 2021-09-28 11:12 | 2021-09-28 11:12 | |
| MDKE Animator Plus 2022 | jonm | m3fm_wave | 2022 | DKCPH1-NCR3615 | JONM-PC2 | 2021-09-27 12:08 | 2021-09-28 11:13 | |
| MIKE FLOOD 2022 | jonm | m3fm_wave | 2022 | node09 | local | 2021-09-28 10:37 | 2021-09-28 11:14 | |
| MIKE HYDRO 2022 | jonm | m3fm_wave | 2022 | node13 | local | 2021-09-28 11:09 | 2021-09-28 11:10 | |
| MD/E SHE 2022 Remote Simulation 2022 | jonm | m3fmst | 2022 | DKCPH1-NCR3615 | JONM-PC2 | 2021-09-27 12:08 | 2021-09-28 11:13 | |
| Remote Simulation Server 2022 | jonm | m3fmst | 2022 | node09 | local | 2021-09-28 10:37 | 2021-09-28 11:14 | |
| WGEO | jonm | m3fmst | 2022 | node13 | local | 2021-09-28 11:09 | 2021-09-28 11:10 | |
| FEFLOW | utilisateurs | MDKE1D | 2021 | CALC-PC05 | ERAL-PC3 | 2021-09-28 11:07 | 2021-09-28 11:14 | |
| FEFLOW Batch | mkeadmin | MOKEHYDRO_MOKEBASIN | 2001 | DevTstPc03v01 | local | 2021-09-22 10:42 | 2021-09-28 11:15 | |
| All network licenses | 2 | MIKEHYDRO_NETWORKEDIT | 2021 | PLCP8 | LZI | 2021-09-22 10:41 | 2021-09-28 11:15 | |
| Al Internet Licenses | idra | MDKEHYDRO_NETWORKEDIT | 2020 | PLOP21 | IDRA | 2021-09-27 10:26 | 2021-09-28 11:13 | |
| Local settings | 10 | MOKEHYDRO_NETWORKEDIT | 2021 | PLCP8 | LZI | 2021-09-27 13:42 | 2021-09-28 11:14 | |
| | 1zi | MOKEHYDRO_NETWORKEDIT | 2021 | PLCP8 | LZI | 2021-09-27 13:43 | 2021-09-28 11:14 | |
| | ta K | MOXEMYORO RIVER | 2021 | PLCP8 | LZI | 2021-09-22 10:41 | 2021-09-28 11:15 | Ľ |
| | 12223 | | | | | | | |
| | 😌 Disconne | 172 connections (0 selected | ŋ | | | | | \$ |



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.



| User | Program | Version | Host | Display | Login | Confirmed | |
|--------------|--------------|---------------|-----------|----------|------------------|------------|---|
| Utilisateurs | GridEdit | 2021 | vNC2 | VAVA-PC1 | 2021-03-31 09:46 | 2021-03-31 | |
| edp | m21bw | 2019 | vNC1 | local | 2021-03-31 07:12 | 2021-03-31 | |
| edp | m21bw | 2019 | vNC1 | EDP | 2021-03-31 07:21 | 2021-03-31 | |
| edp | m21bw | 2021 | DKCP | local | 2021-03-31 08:52 | 2021-03-31 | |
| edp | m21bw | 2019 | vNC1 | local | 2021-03-31 09:23 | 2021-03-31 | |
| edp | m21bw1dh | 2019 | vNC1 | local | 2021-03-31 07:12 | 2021-03-31 | |
| edp | m21bw1dh | 2019 | vNC1 | EDP | 2021-03-31 07:21 | 2021-03-31 | |
| edp | m21bw1dh | 2021 | DKCP | local | 2021-03-31 08:52 | 2021-03-31 | |
| edp | m21bw1dh | 2019 | vNC1 | local | 2021-03-31 09:23 | 2021-03-31 | |
| rbol | m21fmsw | 2020 | node01 | local | 2021-03-28 09:12 | 2021-03-31 | |
| prs | M21pp | 2019 | vNC1 | PRS-PC1 | 2021-03-31 09:51 | 2021-03-31 | |
| trcl | m3ecolab | 2021 | vNC1 | TRCL-PC1 | 2021-03-30 17:31 | 2021-03-31 | |
| rmc | m3ecolab | 2021 | DKCP | local | 2021-03-30 22:58 | 2021-03-31 | |
| trd | m3fmel | 2021 | vNC1 | TRCL-PC1 | 2021-03-30 17:31 | 2021-03-31 | |
| rmc | m3fmel | 2021 | DKCP | local | 2021-03-30 22:58 | 2021-03-31 | |
| mat | m3fmhd | 2021 | vNC1 | MAT-PC2 | 2021-03-26 14:39 | 2021-03-31 | |
| jonm | m3fmhd | 2021 | DKCP | JONM-PC1 | 2021-03-29 18:31 | 2021-03-31 | |
| vandvagt | m3fmhd | 2011 | Caspi | local | 2021-03-31 10:15 | 2021-03-31 | |
| vandvagt | m3hd | 2011 | Caspi | local | 2021-03-31 10:15 | 2021-03-31 | |
| Disconne | ect 146 conr | nections (8 s | selected) | | | | J |

Figure 4.9 Disconnecting license

You will be prompted to enter administrator credentials to disconnect.

4.7 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.

| Instruction State of the loc Instruction State of the loc Mode Anisher May 2020 Status of the loc Mode Anisher May 2020 Status of the loc Mode Anisher May 2020 Status of the loc Mode Anisher May 2020 Remote Simulation Server 2020 Mode Anisot To 2020 Bit mode Anisot Mode Anisot To 2022 Bit mode Anisot Mode Anisot To 2022 Generation Mode Anisot To 2022 | License S mer manager boahest the URI-Lit License as Version: 4.0.5.596 (iservice: VIX aventiog: 80 log file: 80 request: VID location: C:VForgram bostname: JZBH-PC1 g system: Microsofts M bostname: JZBH-PC1 | erver "JEME (05/27/2021 Tiles (x00 | Status Loggin | s\DNI\bin\Netlm | 6ervice.exe | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------|------------------|-------------|---------|
| Doren Lickens Server Dore J. More (Lickens Vor) More (L | <pre>msemanage Tocahost the DHI-LM licente se Version: 6.0.5.396 (service: YES eventlog: NO log file: NO service: YED min enly: NO location: C:\Program g system: Microsoft B hostname: YEMD+PC1 eves(es): 10.20.104</pre> | erver "JEME (05/27/2021 Tiles (x06 | -PCL":)) | s\DNI\bin\Netlm | Service.exe | ^ |
| Date Rest Date Rest Model (RRAN-2015) State of the loc Model (RRAN-2015) State of the loc Model (RRAN-2015) State of the loc Model (RRAN-2016) State of the loc Remote Smalators 2020 Remote Smalators 2020 Model (RRAN-2011) Encrore Sin Model (RRAN-2012) Remote Smalators 2020 Model (RRAN-2013) Encrore Sin Model (RRAN-2014) Encrore Sin < | <pre>msemanage Tocahost the DHI-LM licente se Version: 6.0.5.396 (service: YES eventlog: NO log file: NO service: YED min enly: NO location: C:\Program g system: Microsoft B hostname: YEMD+PC1 eves(se): 10.20.144</pre> | erver "JEME (05/27/2021 Tiles (x06 | -PCL":)) | s\DNI\bin\Netlm | Service.exe | ^ |
| NOLE Monitor Plan 2020 Distantion Plan 2020 Distantion Plan 2020 Nomen Service Structure Remote Service Structure Remote Service Structure Nomen Service Structure Remote Service Structure Remote Service Structure Nomen Service Structure Remote Service Structure Remote Service Structure Nomen Service Structure Remote Service Structure Remote Service Structure Nomen Service Structure Remote Service Structure Remote Service Structure Nomen Service Structure Remote Service Structure Operational Structure Nomen Service Structure Remote Service Structure Operational Structure Nomen Service Structure Remote Service Structure Operational Structure Nomen Service Structure Structure Operational Structure Nomen Service Structure Structure Operational Structure Nomen Service Structure Structure Structure Nomen Service Structure Structure Structure | the DHI-LM license se Version: 6.0.5.596 (service: YES evenlog: NO log file: NO requests: YES min only: NO location: C:\Program g system: Microsoft B hostname: JEME-Cl tress(se): 10.10.20.4 | (09/27/2021 Files (x04 |)))))))))))))))))))))))))))))))))))))) | | Service.exe | ^ |
| Remote Smukakon 2020 Runna Smukakon 2020 Milex 4-2021 Errors to iteration 2020 Milex 4-2021 Errors to iteration 2020 Milex 4-2021 Errors to iteration 2020 Milex 11222 Errors to iteration 2022 | service: YES eventlog: NO log file: NO requests: YES min only: NO location: C:\Program g system: Microsoft H hostname: JEMP-C1 ress(se): 10.103.0.14 | Files (x00 | 5)\Common File | | Service.exe | |
| Remote Smuketon Server 2020 Run as MIT MITHAD Run as MIT MITHAD Run as MIT MITHADK 2022 Barson MIDEL Barson MOREL 2011 MOREL 2011 MOREL 2011 MOREL 2014 | service: YES eventlog: NO log file: NO requests: YES min only: NO location: C:\Program g system: Microsoft H hostname: JEMP-C1 ress(se): 10.103.0.14 | Files (x00 | 5)\Common File | | Service.exe | |
| Mode + 2011 Run as #1 Mode + 2011 Run as #1 Mode 11 2022 Ercors to Mode 11 2022 Revest Mode 11 2022 Rotted Mode 11 2022 Rotted Mode 11 2022 Rotted Mode 21 2022 General Mode 21 2022 Operating Mode 21 2022 Operating Mode 21 2022 Operating Mode 11 2023 Operating Mode 21 2022 Operating Mode 21 2022 Operating Mode 11 2023 Operating Mode 11 2023 Operating Mode 11 2023 Operating Mode 11 2024 Operating Mode 11 2023 Operating Mode 11 2024 Operating | eventlog: NO log file: NO requests: TES min only: NO location: C:\Program g system: Microsoft 9 hostname: JIMB-PC1 iress(es): 10.102.0.14 | | | | Service.exe | |
| LTMACK 2022 Errors to Errors to MORI 12 022 Errors to Errors to MORI 22 022 MORI 25 1002 Loss L errors MORI 25 1002 Loss L errors Errors to MORI 25 002 MORI 25 1002 Loss L errors MORI (motion 2022 Gevent 25 000 Little 202 MORI 26 1000 2022 Operation 000 Little 202 Operation 000 Little 202 MORI 16 000 2022 Doministic 27 000 Little 202 Doministic 27 000 Little 202 | log file: NO requests: TES min only: NO location: C:\Frogram g system: Hicrosoft W hostname: JEMB-PC1 mess(es): 10.102.0.14 | | | | Service.exe | |
| BL (119/KX, 2022) Excess to: BV 602 11, 2022) Rotted BV 602 12, 2022 Rotted BV 602 12, 2022 Server BV 602 12, 2022 General BV 602 12, 2022 General BV 602 12, 2022 General BV 602 14, 2022 JP edd | log file: NO requests: TES min only: NO location: C:\Frogram g system: Hicrosoft W hostname: JEMB-PC1 mess(es): 10.102.0.14 | | | | Service.exe | |
| MRE 21 2022 AUGUST MRE 21 2022 Server MRE 2022 Server MRE Manator Plus 2022 Operation MRE MANATOR 2022 Unlitted MRE MINDRO 2022 IP add | min only: ND location: C:\Program g system: Microsoft W hostname: JEMB-PC1 iress(es): 10.102.0.14 | | | | Service.exe | |
| MoR 202 C022 Gerver MOR 3 202 C022 Gerver MOR 4 3002 C022 Operation MOR 1000 2022 C022 Operation MOR 1000 2022 ID add ID add | location: C:\Program g system: Microsoft W hostname: JEMB-PC1 kress(es): 10.102.0.14 | | | | Service.exe | |
| MKE 3 2022 Gerver MKE Anmator Plus 2022 Operation MKE NOC 2022 Cullfield MKE HODO 2022 ID add | g system: Microsoft W hostname: JEMB-PC1 iress(es): 10.102.0.14 | | | | Service.exe | |
| MRE Animator Plus 2022 Operatin MRE FLODO 2022 Qualified MRE HTTRO 2022 IP add | g system: Microsoft W hostname: JEMB-PC1 iress(es): 10.102.0.14 | | | | Service.exe | |
| MMXE HUDRO 2022 Qualified I MMXE HUDRO 2022 IP add | hostname: JEMB-PC1 mess(es): 10.102.0.14 | Windows 10 | Enterprise, 6 | 4 bit Edition | | |
| MINE HYDRO 2022 | ress(es): 10.102.0.14 | | | | | |
| MINE HYDRO 2022 | | | | | | |
| | | feef:826e:e | **** | | | |
| MUKE SPE 2022 Listeni | ng ports: 1799(v6),17 | | | 1,1000 (v6),1000 | (24) | |
| | 1 hostid: 723 | | | | | |
| Remote Simulation Server 2022 License | License database C:\ProgramData\DNI\LicSys\LicenseD8.sqlite | | | | | |
| WGEO SQLite | version: 3.8.7 | | | | | |
| FEFLOW | | | | | | |
| FEFLOW Batch LICENSED F | EATURES: | | | | | |
| All network licenses | onal Package | VERSION 2022 | 2023-01-16 | OPTIONS | SEATS | |
| Al Internet Licenses AUTOCAL | onal_rackade | 2022 | 2023-01-16 | | unlimited | |
| Local settings AUTOCAL | | 2022 | 2050-01-02 | | unlimited | |
| AUTOCAL | | 2022 | 2050-01-02 | | unlimited | |
| AUTOCAL | | 2022 | 2050-01-02 | | unlimited | ~ |
| Contract (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) | | | | | | > |
| | | | | | | |
| A CONTRACT OF | | | | | Shutdown | Befresh |
| | | | | | | |
| | | | | OK | Acoly Close | e He |

Figure 4.10 Stop license service button in Status User Interface



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

| | Version: 16, 0, 0, 10244 (09/01/20 | 16) |
|---------------------------|-----------------------------------------------------|--------------|
| | Run as NT service: YES Errors to eventlog: NO | |
| | Account Information | × |
| Please enter o | redentials for a user with Administrator privileges | les\I |
| Name (Email): | admin V | Serve |
| Password: | Canc | el |
| | | eDB.s |
| | | |
| | LICENSED FEATURES: FEATURE V | ERSION EXPIF |
| | AR_Educational_Package 2 | 017 01-Nc |
| | AUTOCAL 2 | 017 01-Nc |
| | All_templates 2 | 017 01-Nc |
| all a state of the second | | 017 01-Nc |
| | | 017 01-Nc |
| | | 017 01-Nc |
| A SAL | | 017 01-Nc |
| | DSS.Core | 017 01-Nc |
| 1. /5.4 | < | |
| A CONTRACT | | Shutdown |

Figure 4.11 Entering administrator credentials

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.

| ~~ ~~ | THE REAL PROPERTY | SV WDV |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| | Local settings | |
| License Server Internet License Server More License Server More License Server More License Server More License More Licen | Wante service Statu:: • (urming) Statu service Statu:: • (urming) Statu service Status:: • (urming) Insble advanced user interface Status:: • (urming) Status:: • (urming) Status:: • (urming) Insble access by Staturet and foreign subnets Insble a computer specific key as HOSTID | |





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).

| P DHI License Management | N X Y | - | LUCKER SXXIX | - (|
|----------------------------------------------------------------|-----------------|--------------------------------------------|------------------------------------------------------------------------------------|-----|
| | | License S | erver | |
| Icense Server Internet License Server MIXE URBAN+ 2019 | Log messages | 581 <u>668 565 11 666</u> | une un entre logging 🗈 Settings | |
| MIKE Animator Plus 2020 | Туре | Timestamp | Message | |
| - Remote Simulation 2020 | WARNING WARNING | 2021-09-28 09:50:35 2021-09-27 16:48:37 | Security token detected: 723 (superpro) Security token detected: 723 (superpro) | |
| Remote Simulation Server 2020 | | | | |

Figure 4.13 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



| License se | erver settings |
|-------------------------|------------------------------------------|
| | e access by Internet and foreign subnets |
| Authorized | |
| Users: | admin |
| Users. | Add |
| | Edit |
| | Remove |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| 5 | |
| Logging | |
| -Logging - Severity: | |

Figure 4.14 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
- Clicking the Settings tab on the "License Server" page
- Clicking the Add button and creating a new user with Administrator privileges (Role)

| P DHI License Management | | | - 🗆 X |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------|
| | All netwo | ork licenses | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| License Server Litternet License Server MIKE 11 2021 MIKE 11 2021 MIKE 21 2021 MIKE 21 2021 MIKE Animator Plus 2021 MIKE Animator Plus 2021 MIKE Animator Plus 2021 MIKE SHE 2021 MIKE SHE 2021 Alternet Licenses Alternet Licenses | Idense server settings Enable access by Internet an Enable a computer specific ke Authorized upper Idense server admin | | Add HEidt Remove |
| | Logging Severity: Warning v | Account Information User credentials Name (Email): Password: Confirm: Role: Guest OK Apply | Cancel |

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.



License Administrator Credentials

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