

DHI License Management

User Guide



PLEASE NOTE

| COPYRIGHT | This document refers to proprietary computer software which is pro- tected by copyright. All rights are reserved. Copying or other repro- duction of this manual or the related programs is prohibited without prior written consent of DHI A/S (hereinafter referred to as "DHI"). For details please refer to your 'DHI Software Licence Agreement'. |
|-------------------|---|
| LIMITED LIABILITY | The liability of DHI is limited as specified in your DHI Software Licence Agreement: |
| | In no event shall DHI or its representatives (agents and suppliers) be liable for any damages whatsoever including, without limitation, special, indirect, incidental or consequential damages or damages for loss of business profits or savings, business interruption, loss of business information or other pecuniary loss arising in connection with the Agreement, e.g. out of Licensee's use of or the inability to use the Software, even if DHI has been advised of the possibility of such damages. |
| | This limitation shall apply to claims of personal injury to the extent permitted by law. Some jurisdictions do not allow the exclusion or limitation of liability for consequential, special, indirect, incidental damages and, accordingly, some portions of these limitations may not apply. |
| | Notwithstanding the above, DHI's total liability (whether in contract, tort, including negligence, or otherwise) under or in connection with the Agreement shall in aggregate during the term not exceed the lesser of EUR 10.000 or the fees paid by Licensee under the Agreement during the 12 months' period previous to the event giving rise to a claim. |
| | Licensee acknowledge that the liability limitations and exclusions set out in the Agreement reflect the allocation of risk negotiated and agreed by the parties and that DHI would not enter into the Agree- ment without these limitations and exclusions on its liability. These limitations and exclusions will apply notwithstanding any failure of essential purpose of any limited remedy. |



CONTENTS

| 1 | Introduction . | | | | | | | | | | 7 |
|------|------------------|----------------------------|------------|------|------|------|-------|------|---|--|----|
| | 1.1 The DHI Lie | cense System | | | | | | | | | 7 |
| 2 | Installing the D | HI License Managem | nent | | | | | | | | 9 |
| 3 | User Interface | | | | | | - | | | | 11 |
| 4 | How-To | | | | | | | | | | 13 |
| | 4.1 How do I in | port a license file? | | | | | | | | | 13 |
| | 4.2 How do I co | onnect to a license servi | ice? | | | | | | | | 14 |
| | 4.3 How do I lis | t the available licenses | ? | | | | | | | | 16 |
| | 4.4 How to ena | ble the Advanced User | Interface | | | | | | | | 17 |
| | 4.5 How do I se | ee which licenses are in | use and b | y wh | o? . | | | | | | 18 |
| | 4.6 How do I re | lease a license | | | | | | | | | 18 |
| | 4.7 How do I st | art and stop the license | service? | | | | | | | | 19 |
| | 4.8 How can l | get a log of license syste | em related | ever | nts? | | | | - | | 21 |
| 5 | License Admini | strator Credentials | | | | | | | - | | 23 |
| Inde | X | | | | | | | | | | 25 |

5





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 | e Administration | × |
|-----------|---|--------------|
| 8 | The DHI License Manager NetLM is not yet installed! Please, install the license manager from the distribution medium before continuing. | |
| | ОК | |
| Figure 2 | 2.1 Error message from DHI Licen | nse Manageme |



Installing the DHI License Management

3 User Interface

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

| HI License Management | | | | | | | | | - | |
|--|------------------------|--------------------|---------|----------|-------|-----------|-----------|-----------|------------|---------|
| ~ | | | VV | IVERE | X X | XXX | DKJ | ~ | -sect | Y |
| | | ernet Lic | | C | 4 | XXX | | | | |
| | 100 | ernet Lic | ense | Server | | | | | | |
| | | | | | | | | | | |
| Ucense Server | / | | | | | | | | | _ |
| Internet License Server | Server & Sessi | | | | | | | | | |
| MIKE URBAN + 2019 | Internet license serve | | | | | | | | | |
| MIKE Animator Plus 2020 MIKE URBAN 2020 | User name (email): | jemb-Bchigroup.com | | | | | | | v | Connect |
| Remote Simulation 2020 | Password: | | | | | | | | s | ettings |
| Remote Simulation Server 2020 | | | | | | | | | | - |
| MBKE + 2021 | Available licenses | | | | | | | | | |
| LITPACK 2022 | Program | Version | Variant | Order Id | Alles | Model s | Cores | Seats | Free seats | Proc 1 |
| MDE 11 2022 MDE 21 2022 | m21pp | 2014 | | 70723 | | unlimited | unimited | unlimited | unlimited | |
| MIKE 21C 2022 | BathEdt | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| MIKE 3 2022 | GridEdit | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| MINE 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 | |
| FERLOW | mflood | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| FEFLOW Batch | M21Overland | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| All network licenses | mfoodad | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| All Internet Licenses | m21hd | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| C Local settings | m21nhd | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| | m21fmGPU | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| | 2.5 C | | | | | | | | | > |
| | | | | | | | | | | |
| | Refresh | | | | | | | | | 1 |
| | | | | | | | | | | _ |

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?

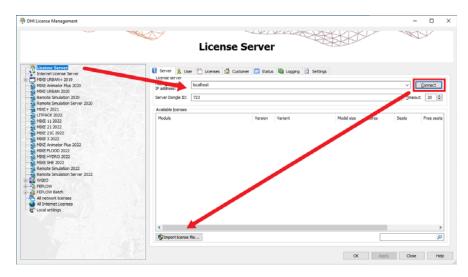
DHI licenses for MIKE version 2022 comes packed in a text file with the name *xxx*.dhilic2.

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





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 | | I VEKL | | | X12 | - ACT | |
| | LI | cense | Serv | ei | | | | | |
| Conse Server | 😵 Server 🙎 User 📍 Lic | enses 🙆 Qui | tomer 🗖 S | tatus 🐻 Lootti | na 🗈 Settina | 6 | | | |
| MIKE URBAN + 2019 | License server | | | | | | | | |
| MIKE ORDANI # 2019 | Host game or devic | | | | | | | ✓ Com | |
| MINI LIBIAN 2020 | IP address: | | | | | | | v 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

| MICE LARAN 2020 | ~~~~ | | Y | | VV | IVERIA | 5× | BKK | DKJ | 7 | - SKD | \checkmark |
|---|-------------------------------|----------------------------|------------------------|-----------------------|---------|----------|-------|-----------|----------------------|-----------|-----------|--------------|
| Informations Server Informations Server Informations Informations Informations Information Inform | | | Inte | ernet Lic | ense | Server | ~ | | | | | |
| Advance for and a service for a service of the | | | Server 9 East | os 🗶 Office | | | | | | | | |
| 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 1995 - Honores 2014 - 70723 unimited unimed unimide | | | | | | | | | | | | |
| a more (1994 2020) a renote Sinukator 3200 a renote Sinukator 3200 a renote Sinukator 3200 b 17902 + 2021 b 17902 + 2021 | | | (und | | | | | | | | | onnect |
| Benedic Sinukason 2020 Dissurcit Correst Sector Sector <td></td> <td></td> <td>200</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>onnect</td> | | | 200 | | | | | | | | | onnect |
| Bendeling Simulation Server 2020 Available (corress Available (corress Version V | | | Password: | | | | | | | | Se | ttings |
| Internet 2022 Pagem Variant Order 36 Alas Model L. Cores Setable False MSR 11 2022 Market Status Table Stat | Remote Simulation Server 2020 | | Available licenses | | | | | | | | - 7 | |
| 1002 2190 2014 70723 unimited unimited </td <td>LITPACK 2022</td> <td>2000</td> <td>Program</td> <td>Version</td> <td>Variant</td> <td>Order Id</td> <td>Alles</td> <td>Model s</td> <td>Cores</td> <td>Seats</td> <td>F seats</td> <td>Proc 1</td> | LITPACK 2022 | 2000 | Program | Version | Variant | Order Id | Alles | Model s | Cores | Seats | F seats | Proc 1 |
| a bio 1.1.2/2 a bio 2.1.2/2 bio 2.1.2/2 | | 2301023 | m21pp | 2014 | | 70723 | | unlimited | unimited | unlimited | unlimited | · |
| 9 (19) 37 327 01/01 2014 27723 unlimited < | | | | 2014 | | 70723 | | unlimited | unlimited | unie" . | unlimited | |
| DB2 Amager PMa 2022 PGAMPSELL 2014 70723 uninted 11 11 DB2 Amager PMa 2022 Pediation 2014 70723 uninted | | 1.1.1.1.1.1.1.1.1 | GridEdit | 2014 | | 70723 | | unlimited | unlimited | inited | unlimited | |
| Not Processor 2014 7723 unlented unlented unlented Not Singer (Hritig) 322 Proficiencysor 2014 7723 unlented unlented unlented Not Singer (Hritig) 322 Proficiency 324 2014 7723 unlented unlented unlented Not Singer (Hritig) 324 Rendt, Sinuktion Server 2021 156.41 2014 7773 unlented unlented unlented Not Sinuktion Server 2022 UNIS Basic 2014 7773 unlented unlented unlented VICEO UNIS Basic 2014 7773 unlented unlented unlented VICEO Width A) Antenot Karness Internet License Server Settings X unlented unlented unlented Connection settings Connection settings X unlented unlented unlented Connection settings Connection settings X unlented unlented unlented | | A | NZAPPSHELL | 2014 | | 70723 | | unlimited | unimite | 11 | 11 | |
| terge (Hrong 2022 genote Enrudos 2022 genote Enrudos 2022 WORD De 2022 WORD De 2022 WORD De 2024 WORD DE 20 | | | PlotComposer | 2014 | | 70723 | | unlimited | un ^a .ved | unlimited | unlimited | |
| Bends Enuados 0202 156.4t 2014 2723 offed united united united united WROD Smallack Server 2022 VS, Jacc 2014 2723 united united united united WROD Watch 1014 2014 9723 united united united united united VROD Watch 1014 2014 9723 united united united united VROD Watch 1014 2014 9723 united united united united VROD Watch 1014 1014 2014 9723 united united united united united VROD Watch 1014 1014 1014 1014 1014 united | | | ProfileEdit | 2014 | | 70723 | | unlimited | unlimited | unlimited | unlimited | |
| iterations Server 2022 Version Versi | | | Result_Viewer | 2014 | | 70723 | | unim La | unlimited | unlimited | unlimited | |
| INVECO In 21 find 2014 PM 2023 unlimited | | | | 2014 | | | | umited | unimited | | unlimited | |
| PROV verse | | | | | | | | 0.00000 | | | | |
| FID:OW18ahh Internet Licence Server Settings X unimate | | | m21fmhd | | FM | | | | | | | |
| A Interior Komes A Interior Komes Convector settings Convector setting | | | mfred | 9414 | | | | | | | | |
| Al Interet Ucennes unimes | | Internet License Server Se | ettings | | | × | | | | | | |
| Local settings unimited unimit | | A | | | | | | | | | | |
| Change Internet access point unimode unimo | | connection settings | | | | | | | | | | |
| https://dc.license.mikebydhi.com/svc https://license2.mikebydhi.com/svc unimited unimited unimited | | Change Internet acc | ess point | | | | | | | | | |
| | 10000 | https://dk.license.mike | bydhi.com/svc https:// | lcense2.mikebydhi.com | /svc | × | | unimited | unimited | unimited | unimited | • |
| Proxy server: | | Proxy server: | | | | | | | | | | > |
| · · · · · · · · · · · · · · · · · · · | | | | | | ~ | | | | | | ۶ |

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 | X XX | XXD | X1× | THE | \mathbf{V} |
|---|---------------------|---------|---------|---------------|-----------|-----------|------------|-----|--------------|
| | | KE 2: | L 2022 | 2 | A | \$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 | Seats | 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 | | | | | | | | - 0 | |
|--|--------------------|----------------|-----------------|---------------|-------------|-----------|------------|-------------------------------|-------|
| \rightarrow | | | 1.V | IVERE | <u> </u> | XXD | XI | - MAN | |
| | | Licone | se Serv | or | | RKD | - | | |
| | | LICENS | Se Seiv | | | | | | |
| | | | | | | | | | |
| - R Ucense Server | Server 👷 User | 11 Licenses | Customer St | atus 🐻 Loogin | a 🗈 Setting | | | | |
| MIXE URBAN + 2019 | License server | | 0000000 000 000 | and all colde | a manage | | | | |
| MIKE Animator Plus 2020 | Host game or | devic | | | | | | Com | art . |
| - MINE URIAN 2020 | IP address: | | | | | | | 2010 | |
| Remote Simulation 2020 | Server Dongle ID: | 723 | | | | | | Timeout: 7 | s 🌢 |
| Remote Simulation Server 2020 | | | | | | | | | |
| - MIKE + 2021 | Available (censes | | | | | | | - | |
| LITPACK 2022 | Module | Mar | rsion Variant | Model size | Cores | Seats | Free seats | Product Id | |
| - G MD/E 11 2022 | | | | | | | | | |
| MIKE 21 2022 | MDKEHYDRO_BASD | | | unlimited | unlimited | unimited | unimited | MIXEHYDRO_BASIN | |
| MIKE 21C 2022 | MDXEHYDRO_BASD | | | unlimited | unlimited | unlimited | unlimited | MDKE_BASIN | |
| MIKE 3 2022 MIKE Animator Plus 2022 | MDEHYDRO_BASD | | | unimited | unimited | unimited | unimited | MDREHYDRO_BASIN MDRE_BASIN | |
| MIKE FLOOD 2022 | MDREHYDRO_BASIN | | | unimited | unimited | unimited | unimited | MIKE_BASIN MIKEHYDRO_BASIN | - 6 |
| MIKE HYDRO 2022 | MIXEHYDRO BASIN | | | unimited | unimited | 4 | 4 | MIXEHYDRO_BASIN | |
| MIKE SHE 2022 | MD/EHYDRO BASIN | | | unimited | unimited | 4 | 4 | MOKE BASIN | - |
| Remote Simulation 2022 | | _ENGINE_EC 202 | | unimited | unimited | 4 | 4 | MDKEHYDRO_BASIN | - |
| Remote Simulation Server 2022 | MDEHYDRO BASD | | | unimited | unlimited | 4 | 4 | MOKE BASIN | |
| WGEO | MDEHYDRO LOAD | 20 | | unimited | unimited | unimited | unimited | MDGI+ | |
| PEPLOW | MIKEHYDRO_LOAD | 20 | | unimited | unimited | 4 | 4 | MIXEHYDRO_BASIN | |
| FERLOW Batch | MIKEHYDRO LOAD | 20 | | unlimited | unlimited | unimited | unlimited | MIKEHYDRO_RIVER | |
| All network licenses | MIKEHYDRO LOAD | 20 | | unlimited | unlimited | unimited | unimited | MORE SHE | |
| All Internet Licenses | MEXEMPORO LOAD | 20 | 22 | unlimited | unlimited | unlimited | unlimited | MOKE SHE | |
| Cocal settings | MDEHYDRO LOAD | 20 | 22 | unlimited | unlimited | unlimited | unlimited | MDKE 11 | |
| | MIXEHYDRO LOAD | 203 | 22 | unlimited | unlimited | unlimited | unlimited | MDCE BASIN | |
| | < | | | | | | | | > |
| | Dimport license fi | e | | | | | | | ø |
| | | | | | | | | | _ |
| | 12.22 | | | | | _ | | | |



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 | | | |
|--|---|-------------------------------------|------------|
| | License S | Gerver | |
| Idense Server Internet License Server Internet License Server Mitte License Server Mitte License Server Mitte License Server | Licenses Cus License details of license manager "devic" Server dongie ID: 723 | tomer 🔜 Status 🐚 Logging 🗈 Settings | 4.1 |
| - MIKE LIRBAN 2020 | gene congress. 125 | | |
| Remote Simulation 2020 | Property | Value | |
| Remote Simulation Server 2020 | Application/Module | | |
| MIKE + 2021 | Name | MIKEHYDRO_BASIN_ENGINE | |
| MIKE 11 2022 | Version | 2022 | |
| MIKE 21 2022 | License | | |
| MDKE 21C 2022 | Type | Corporate license | |
| A MIKE 3 2022 | Seats | 4 | |
| MDKE Animator Plus 2022 | Free | 4 | |
| MIKE FLOOD 2022 | Stat date | 2013-10-22 | |
| MIKE HYDRO 2022 | Expiration date | 2023-01-16 | |
| MOKE SHE 2022 | Options | | |
| Remote Simulation 2022 | Variant | | |
| Remote Simulation Server 2022 | Node 1 | unimited | |
| 🚺 WGEO | Node 2 | unimted | |
| FEFLOW | Node 3 | | |
| A FEFLOW Batch | Node 4 | | |
| C All network licenses | Contraction of the second s | | |
| Al Internet Licenses | | | |
| - The settings | | | |
| | a la contra de la co | | |
| | La Carlo | | |
| | 12212 | | |
| | Contraction of the second s | | |
| | | | |
| | 5.2.4 | | |
| | S. S. S. | 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 | | | | | - 0 | × |
|--|--|-------------|-----------|----------|------------|---|
| ~ ~ | | Local | settings | BBS12 | | / |
| Ucense Server Internet License Server Most: URBAN + 2019 Most: URBAN + 2019 Most: URBAN 2020 Remote Simulator Nu 2020 | Ucense service (e) Start service () Stop service | Status: 🧉 | (running) | | | |
| West August West <td>E trable advanced use</td> <td>r interface</td> <td></td> <td></td> <td></td> <td></td> | E trable advanced use | r interface | | | | |
| | Č E | | | OK Apply | Close Helo | 3 |

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 | | | | |
| 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 | |
| MDKE 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.

| | | | VER | - ARA | SKD | A D |
|--|---|------------------------|-----------------|-----------------|-------------|--------------------|
| | License | Serve | r | | | |
| R License Server | 4 - 14 - 14 | | | | | |
| Internet License Server | State of the license manager "localhost" | | Status 🐚 Loggin | g 🔝 Settings | | |
| MIKE URBAN + 2019 MIKE Animator Plus 2020 | | | | | | _ |
| MIKE Animator Plus 2020 | Status of the DHI-LM license | server "JEMS | -PC1=: | | | ^ |
| Remote Simulation 2020 | Version: 6.0.5.99 | 6 (09/27/2021 | | | | |
| Remote Simulation Server 2020 | | | | | | |
| MIKE + 2021 | Run as NT service: YES | | | | | |
| LITPACK 2022 | Errors to eventlog: NO | | | | | |
| A MDRE 11 2022 | Errors to log file: NO | | | | | |
| MIKE 21 2022 | Routed requests: YES Local admin only: NO | | | | | |
| MDKE 21C 2022 | Docar somen oney: no | | | | | |
| A MIKE 3 2022 | Server location: C:\Progr | m Files (x04 |)\Common File | s\DHI\bin\Netlm | Service.exe | |
| MIKE Animator Plus 2022 | Operating system: Microsof | s Windows 10 | Enterprise, 6 | 4 bis Edition | | |
| MIKE FLOOD 2022 | Qualified hostname: JEMB-PC1 | | | | | |
| MIKE HYDRO 2022 | IP address(es): 10.102.0 | .144, 1:feef:826e:c | | | | |
| MOKE SHE 2022 | | | | 1000(206) 1000 | (224) | |
| Remote Simulation 2022 | Listening ports: 1799(v6),1799(v4),1001(v6),1001(v4),1000(v6),1000(v4) Local hostid: 723 | | | | | |
| Remote Simulation Server 2022 | License database: C:\ProgramData\DNI\LicSys\LicenseD8.sglite | | | | | |
| WGEO | SQLite version: 3.8.7 | | | | | |
| FEFLOW | | | | | | |
| FEFLOW Batch | LICENSED FEATURES: FEATURE | VERSION | EXPIRES | OPTIONS | SEATS | |
| All network licenses | AR Educational Package | 2022 | 2023-01-16 | 07120013 | unlimited | |
| Al Internet Licenses | AUTOCAL | 2022 | 2023-01-16 | | unlimited | |
| Cocal settings | AUTOCAL | 2022 | 2050-01-02 | | unlimited | |
| | AUTOCAL | 2022 | 2050-01-02 | | unlimited | |
| | AUTOCAL | 2022 | 2050-01-02 | | unlimited | v |
| | 1223 | | | | _ | > |
| | | | | | Shutdown | Refresh |
| | | | | | | And a state of the |

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.

| X | | Version: 16, 0, 0, 10244 (09/01, Run as NT service: YES | /2016) |
|-------------------------|----------------|--|---|
| | | Errors to eventlog: NO | |
| $\langle \cdot \rangle$ | | Account Information | × |
| | Please enter o | redentials for a user with Administrator privileges | les\l |
| | Name (Email): | admin 🗸 | OK Serve |
| | Password: | | Cancel |
| | | | eDB. |
| | | LICENSED FEATURES: FEATURE AR_Educational_Package AUTOCAL All_templates Animator BathEdit Catchment_Analyst DIMS_RTAP_Full DSS.Core | VERSION EXPII 2017 01-NA 2017 01-NA 2017 01-NA 2017 01-NA 2017 01-NA 2017 01-NA 2017 01-NA 2017 01-NA |
| | No. | | 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.

| P DHI License Management | | - | | × |
|--|--|---|---|---|
| | Local settings | | 5 | |
| License Server | Ucanne service | | | |
| Renote Simulation 3000 Renote Simulation 3000 Renote Simulation Server 2020 MIDEL 2021 Import VC 2022 MIDEL 2021 Import VC 2022 MIDEL 2022 MIDE 2022 MIDE 2022 MIDE 2022 Renote Sinulation 3022 Renote Sinulation Street 2 2 Sector 2 MIDE 2000 2 Sector 3 All Streeter All Streeter All Streeter All Streeter | Clinable advanced user interface Clinable access by brannet and foreign submets Clinable 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 | | - | LULVER XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | - (|
|--|--------------|--|--|-----|
| | | License S | erver | |
| Internet License Server MIKE URBAN+ 2019 | Log messages | 58 <u>555 55 55</u> 5000 | 💼 💼 Logging 🗈 Settings | |
| MOZ Animator Plus 2020 MOZ Animator Plus 2020 MAC URBAN 2020 More Handle Smulation 2020 More + 2021 MOZ + 2021 MOZ + 2021 MOZ + 112022 | Type | Timestamp 2021-09-28 09:50:35 2021-09-27 16:48:37 2021-09-27 16:48:37 | Message Security token detected: 723 (superpro) Security token detected: 723 (superpro) ActiveSession table recreated | |

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 | | | - 🗆 × |
|---|--|--|-----------------------|
| | All netwo | ork licenses | A Constant |
| Hitense Server Internet License Server TIFACX 2021 WIKE 11 2021 WIKE 21 2021 WIKE 21 2021 WIKE 22 2021 WIKE 23 2021 WIKE 23 2021 WIKE FLOOD 2021 WIKE FLOOD 2021 WIKE FHORD 2021 WIKE SHIELD 2021 WIKE SHIEL | Server & User License server settings Enable access by Internet an Enable a computer specific to Authorized user admin | | Add HEdt Remove |
| ⊢ gr Loca settings | 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

INDEX

