

MIKE+

Installation Guide



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1 Introduction

This installation guide covers the installation of MIKE+ and required 3rd party software.

MIKE+ can be deployed in different ways using local SQLite database or a PostgreSQL database server – ranging from a personal installation to a corporate installation.

For PostgreSQL, you have these two options:

1. Personal installation, which allows users to work in a network-independent mode on their desktop. This requires the installation of a database on the local computer.
2. Corporate installation, which allows for an office to have multiple installations (clients) all working against a central database server.

Furthermore, ArcGIS Pro may optionally be also installed, when purchased as part of MIKE+ ArcGIS.

2 Installation Prerequisites

MIKE+ depends on several prerequisites as listed below:

1. If you want to use a local SQLite database, SQLite database with a SpatiaLite extension is required. It is included in the MIKE+ installer and will be installed automatically with MIKE+.
2. If you want to use a PostgreSQL database, a PostgreSQL database server with the PostGIS spatial database extension is required. The installers of PostgreSQL and PostGIS are included in a separate “Prerequisites” sub-folder of the MIKE+ installation. MIKE+ supports the following versions of the two products: PostgreSQL 17.6 and PostGIS 3.5.3. Combinations of later versions may also work, but have not been tested.
3. The DHI License Management application. It may need to be downloaded separately from the MIKE+ installer depending on the type of DHI license you plan to use. Refer to chapter 4 for more information.
4. Microsoft .NET Desktop Runtime 8.0.0, or a later patch release, must be installed.

MIKE+ requires write-access to the following folders:

1. C:\Users*UserName*\AppData\Local\Temp
2. C:\Users*UserName*\AppData\Roaming\DHI\MIKE+
3. C:\Users*UserName*\AppData\Roaming\DHI\LicSys

where *UserName* must be the actual user account name.

3 MIKE+ Installation/Upgrade

Regular Installation

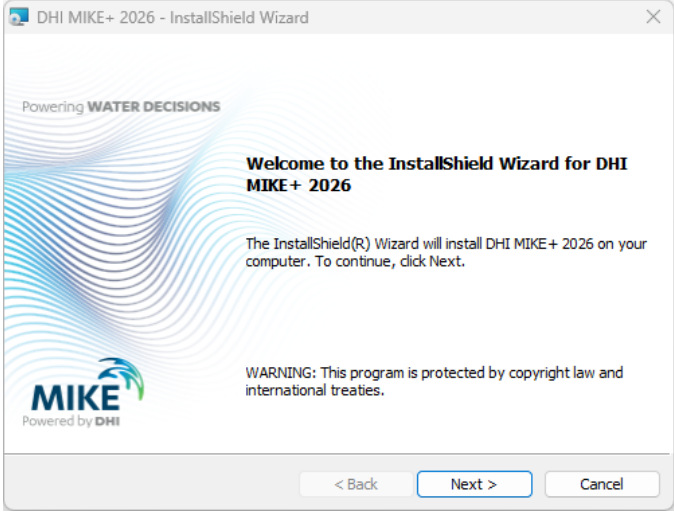
The installation process consists of four parts.

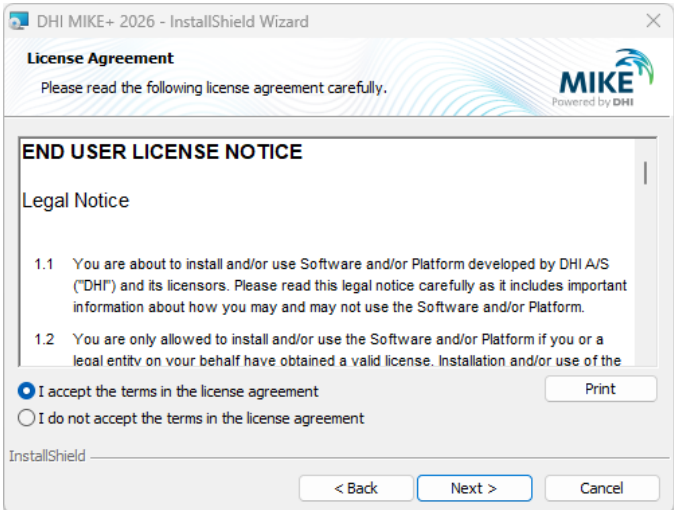
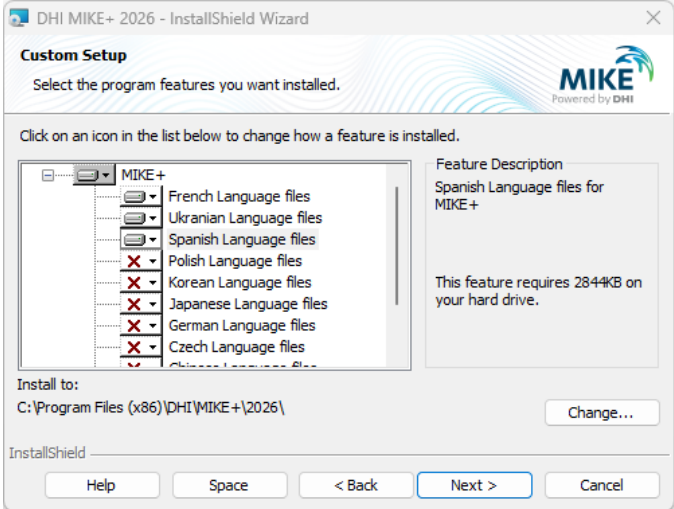
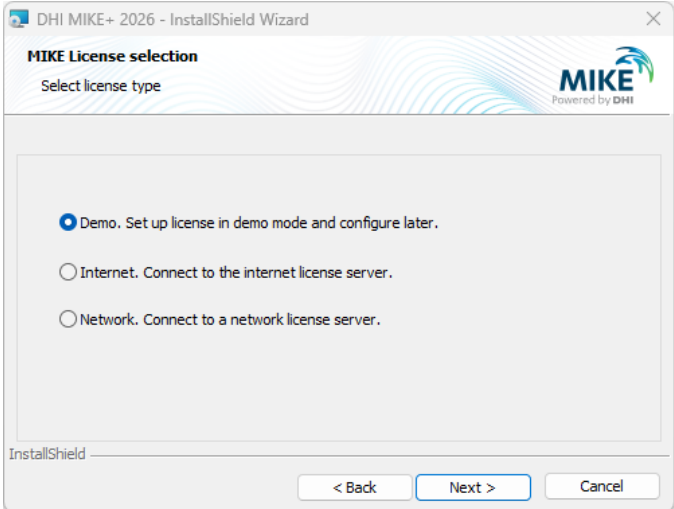
1. Installation of MIKE+.
2. Optional installation of DHI License Management.
3. Optional installation of PostgreSQL and PostGIS.
4. Optional installation of ArcGIS Pro.

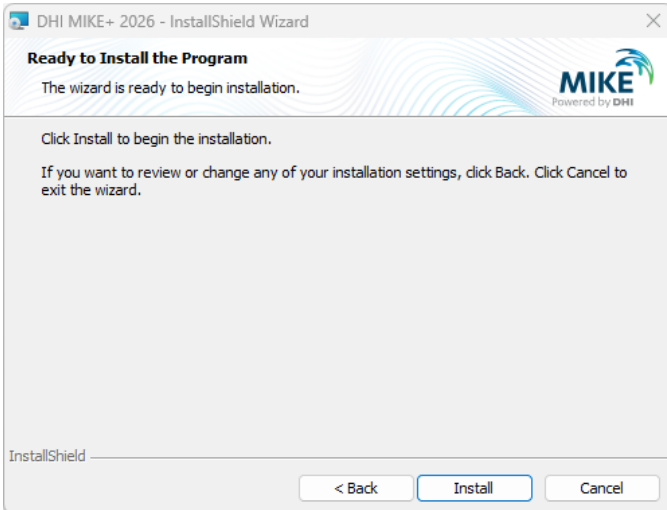
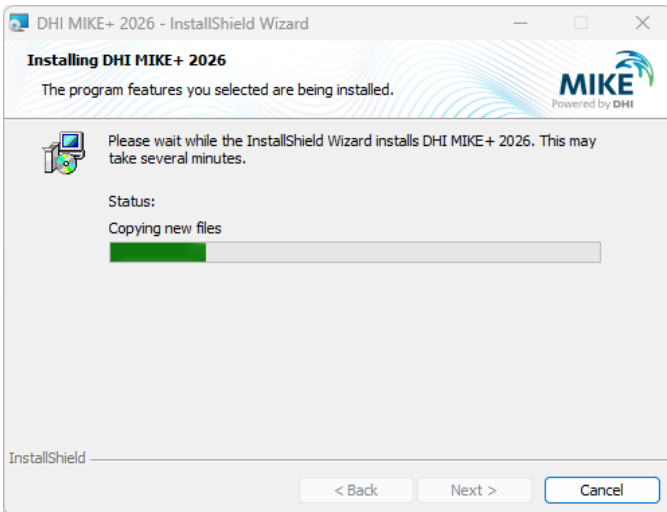
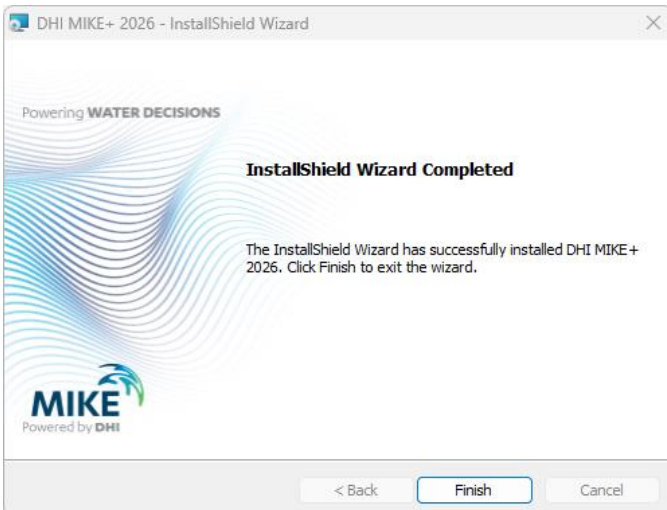
Installation of MIKE+ software is simple and requires no user interactions beyond accepting the license conditions, specifying the installation folder and languages that should be installed besides English, and includes installation of the personal database SQLite with a Spatialite extension.

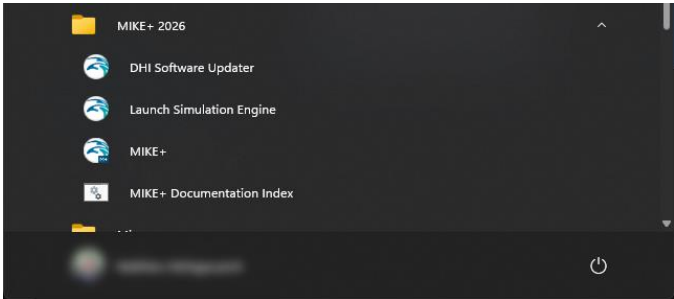
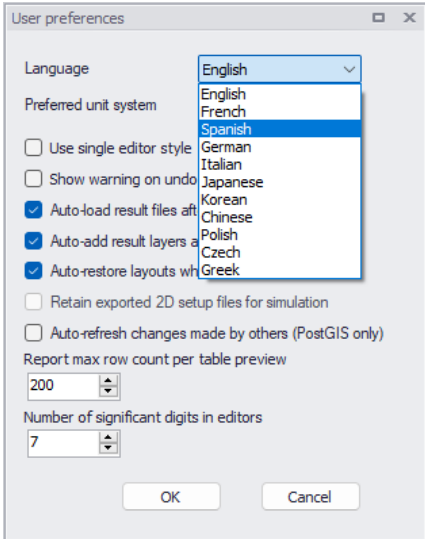
The following table explains how to install MIKE+.

If you need to install or update the DHI License Management, follow the steps described in chapter 4. If you need to install or update the version of PostgreSQL and PostGIS, follow the steps described in APPENDIX A. If you need to install ArcGIS Pro, follow the steps described in APPENDIX D.

Installation step	Screen
<p>Run the <i>setup.exe</i> program file from the installation media/download folder, in the 'MIKE+' folder.</p> <p>Click Next</p>	

Installation step	Screen
<p>Accept the license agreement</p> <p>Click Next</p>	 <p>The screen shows the 'License Agreement' window of the DHI MIKE+ 2026 - InstallShield Wizard. It contains the 'END USER LICENSE NOTICE' and a 'Legal Notice' section with two numbered points. Below the notice, there are two radio buttons: 'I accept the terms in the license agreement' (selected) and 'I do not accept the terms in the license agreement'. A 'Print' button is located to the right of the radio buttons. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.</p>
<p>Select the languages you want to install on the computer (besides English)</p> <p>Click Next</p>	 <p>The screen shows the 'Custom Setup' window of the DHI MIKE+ 2026 - InstallShield Wizard. It prompts the user to 'Select the program features you want installed.' Below this, there is a list of features with checkboxes. The 'MIKE+' feature is expanded, showing a list of language files: French, Ukrainian, Spanish, Polish, Korean, Japanese, German, and Czech. The 'Spanish Language files' checkbox is checked. To the right of the list, there is a 'Feature Description' box that says 'Spanish Language files for MIKE+' and 'This feature requires 2844KB on your hard drive.' Below the list, there is a 'Change...' button. At the bottom, there are five buttons: 'Help', 'Space', '< Back', 'Next >', and 'Cancel'.</p>
<p>Select the license type. This may be modified after the installation if required.</p> <p>Click Next</p>	 <p>The screen shows the 'MIKE License selection' window of the DHI MIKE+ 2026 - InstallShield Wizard. It prompts the user to 'Select license type'. There are three radio buttons: 'Demo. Set up license in demo mode and configure later.' (selected), 'Internet. Connect to the internet license server.', and 'Network. Connect to a network license server.'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.</p>

Installation step	Screen
Click Install	
Wait	
Click Finish	

Installation step	Screen
If you have installed another language than English, Open MIKE+ to finish the language configuration.	
Go to the File menu, and select User preferences . Select the desired language, and close MIKE+.	

Silent Installation

Alternatively, it is possible to install MIKE+ in silent mode. To achieve this, execute the *setup.exe* program file from the installation media/download folder using the following command line:

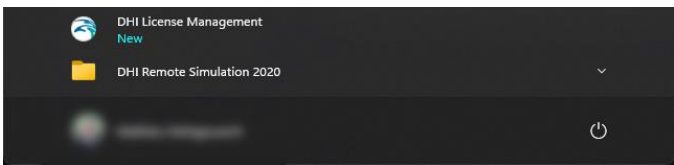
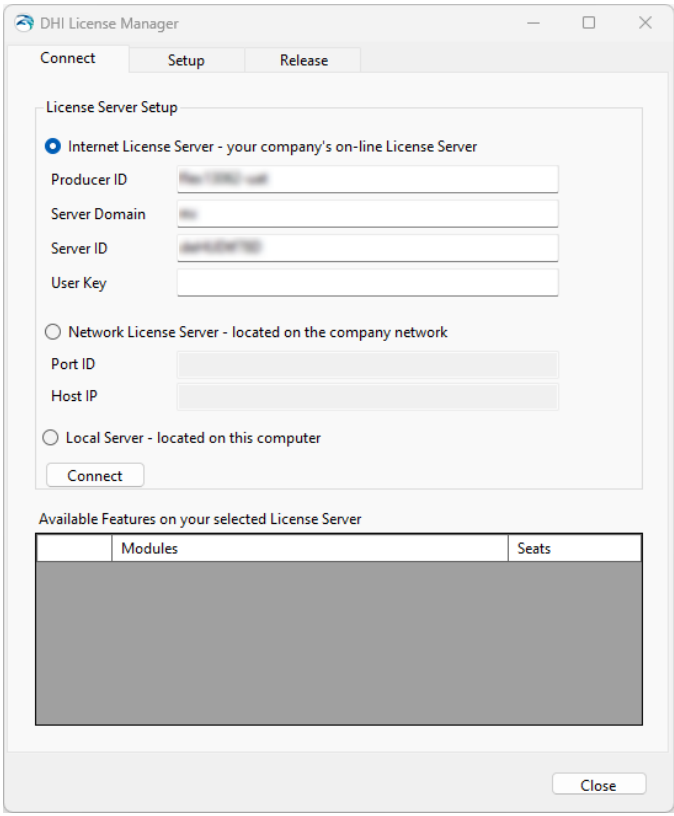
`"C:\...\MIKE+\Setup.exe" /S /v/qn`

Where `"C:\...\MIKE+\Setup.exe"` should be replaced by the actual path to the installation file.

4 DHI License Management

The DHI license is handled through the DHI License Management software, which can be found under DHI License Administration in the Start Menu.

Important information: If you plan to use a local DHI license bound to a dongle, you must install the DHI License Manager before following the steps below. The installer for the DHI License Manager must be downloaded separately from the MIKE+ installer. This additional installation is however not required for an Internet license. For a network license installation, the DHI License Manager is required only on the server, but not on the client computers.

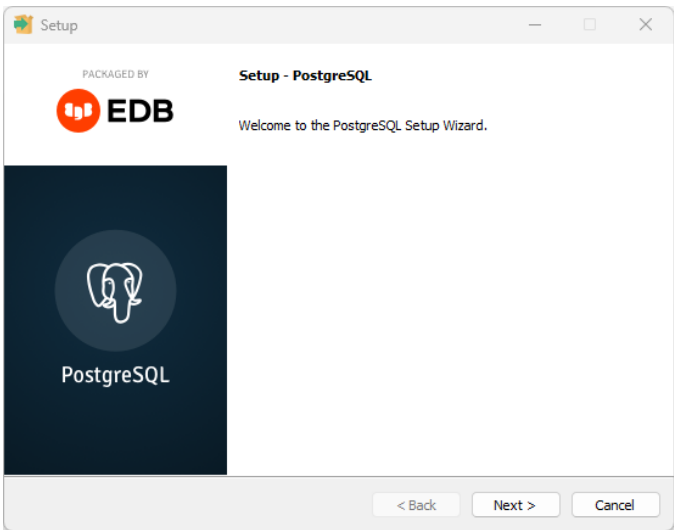
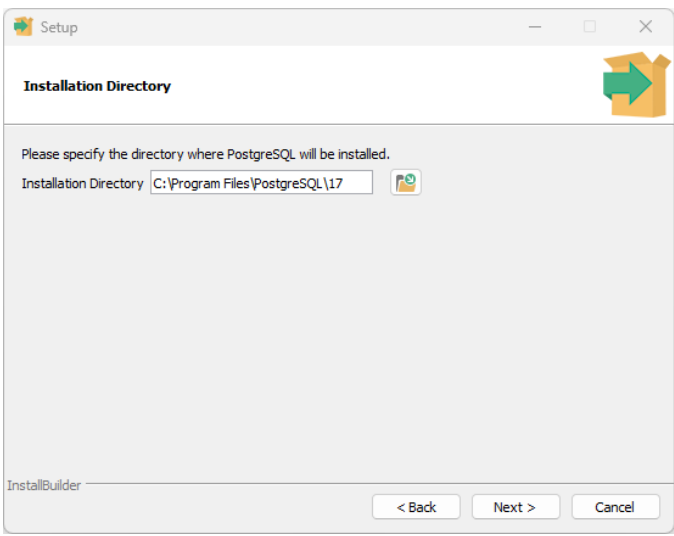
Installation step	Screen
<p>Open the DHI License Management program in the start menu as Administrator</p>	
<p>Three types of license server are available:</p> <ul style="list-style-type: none"> • Internet License Server • Network License Server, on the company network • Local Server, installed on local PC <p>Refer to the DHI License Management documentation for more information.</p>	

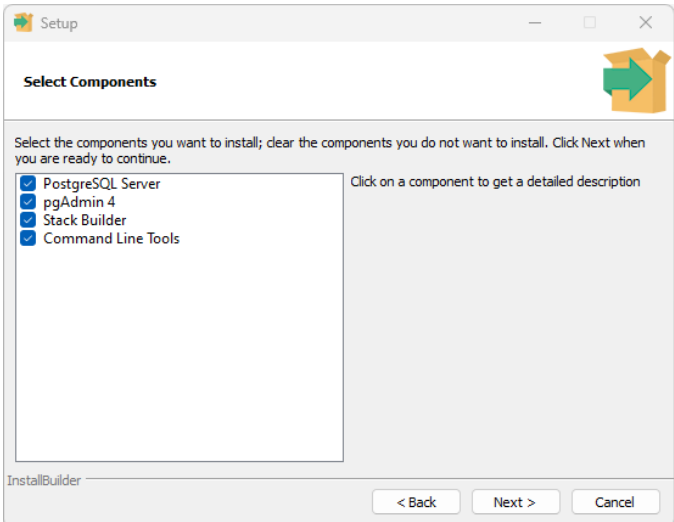
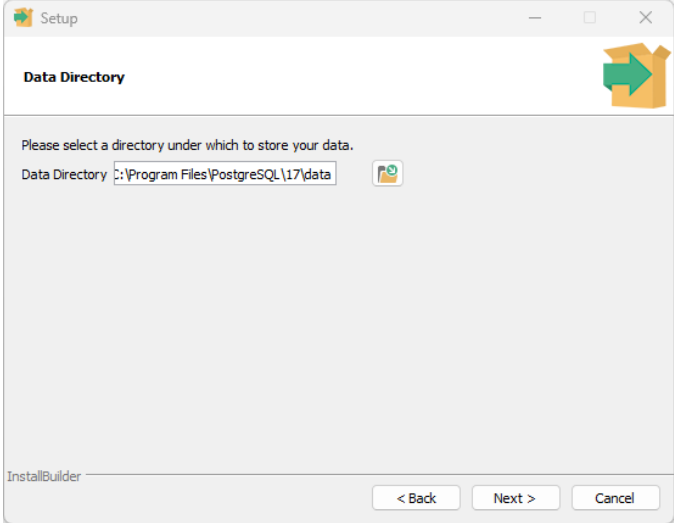
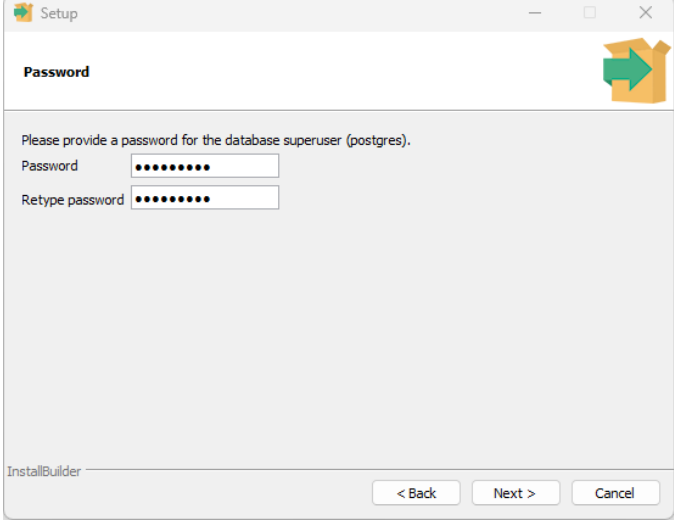
APPENDIX A: Install PostgreSQL and PostGIS

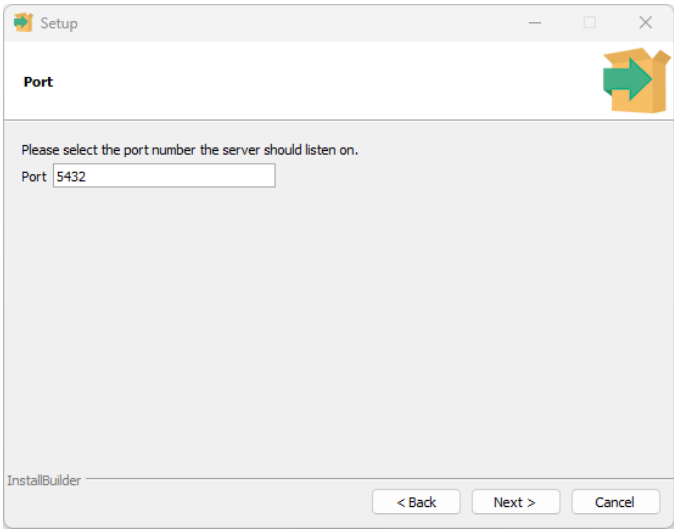
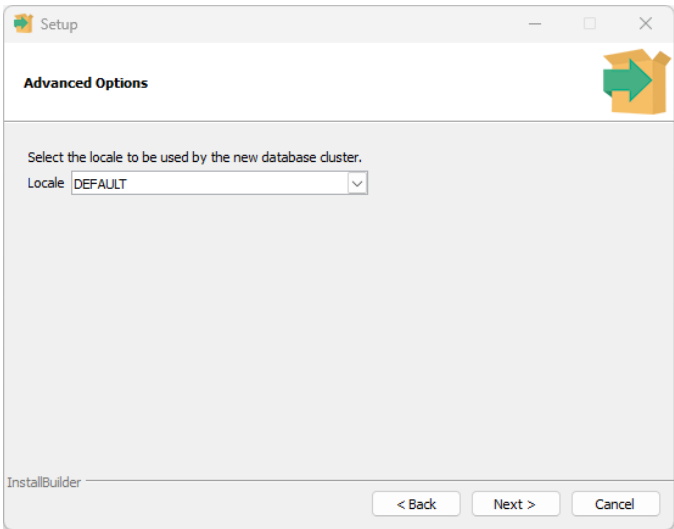
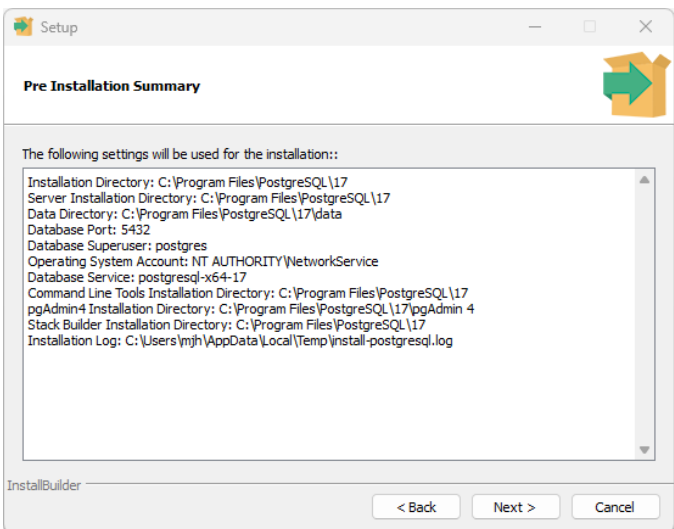
As mentioned in Chapter 2, it is possible to use a PostgreSQL database.

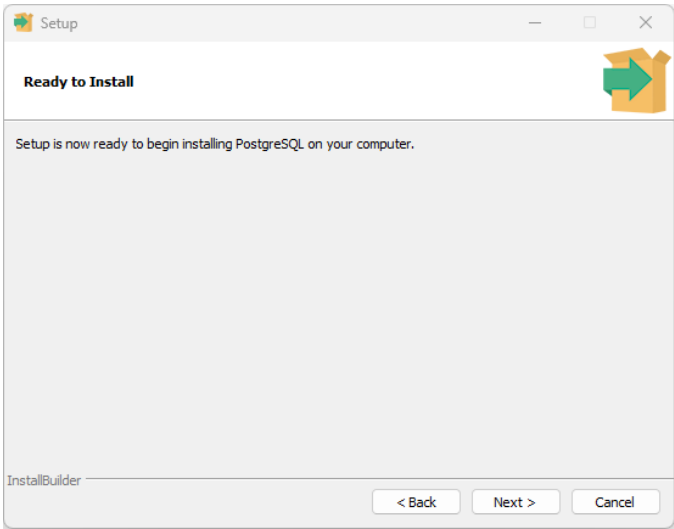
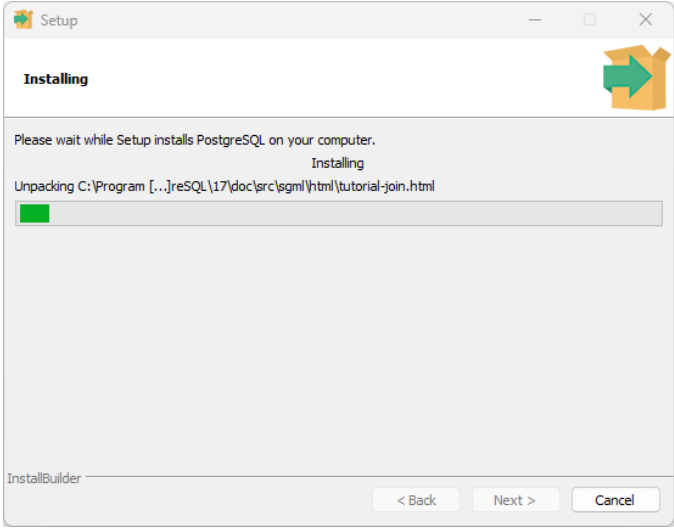
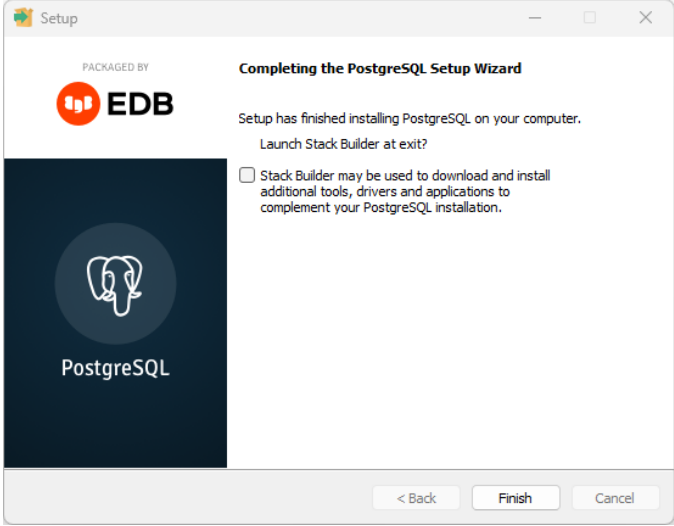
PostgreSQL Installation

The following table explains how to install a PostgreSQL database. The postgresql-xx.x-x-windows-x64.exe installer is located in the “Prerequisites” sub-folder of the MIKE+ installation.

Installation step	Screen
Run the database installation program e.g. postgresql-xx.x-x-windows-x64.exe	
Start of installation Click Next	 <p>The screenshot shows the 'Setup - PostgreSQL' window. It features the EDB logo and the PostgreSQL elephant logo. The text reads: 'Welcome to the PostgreSQL Setup Wizard.' At the bottom, there are buttons for '< Back', 'Next >', and 'Cancel'.</p>
Accept the default installation folder Click Next	 <p>The screenshot shows the 'Setup - PostgreSQL' window at the 'Installation Directory' step. It asks the user to specify the directory where PostgreSQL will be installed. The 'Installation Directory' field is pre-filled with 'C:\Program Files\PostgreSQL\17'. At the bottom, there are buttons for '< Back', 'Next >', and 'Cancel'.</p>

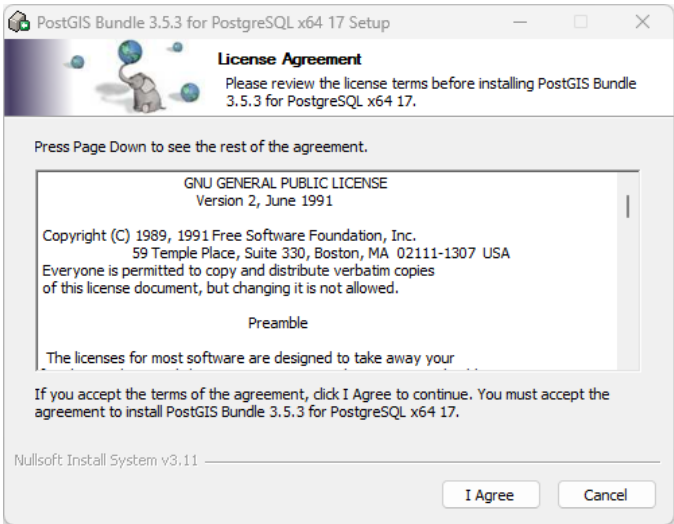
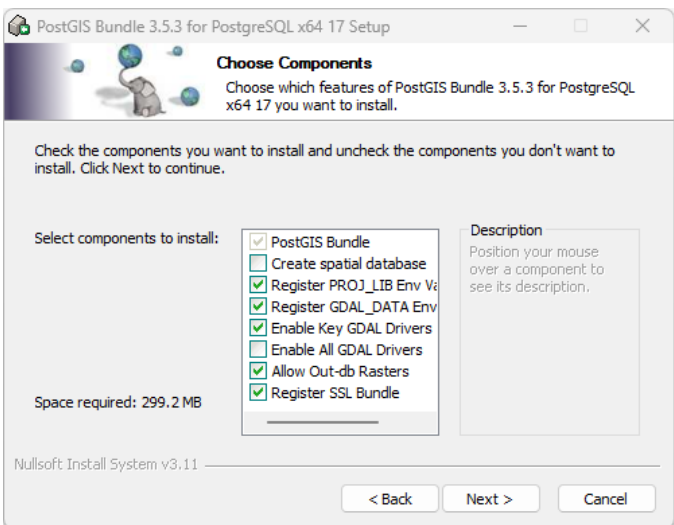
Installation step	Screen
<p>Accept the default selected components.</p> <p>Click Next</p>	
<p>Accept the default data folder.</p> <p>Click Next</p>	
<p>Type in a password for the postgres user (the administrator for the database server).</p> <p>Click Next</p>	

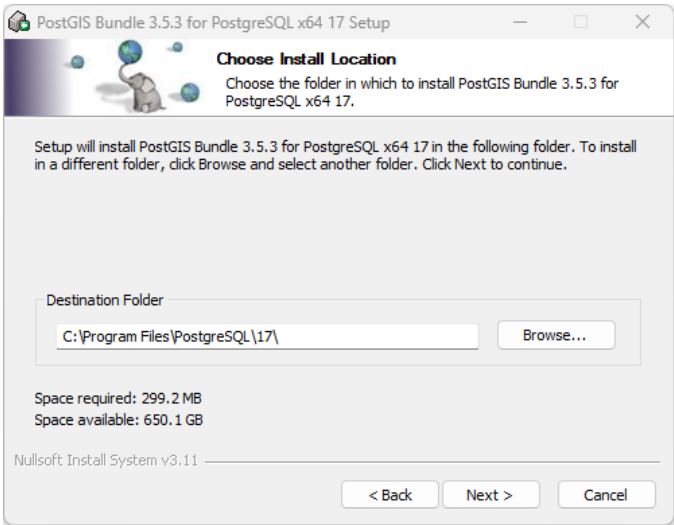
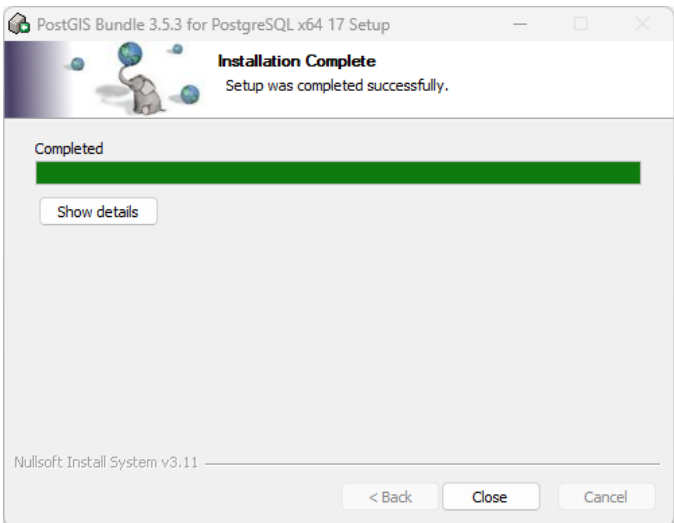
Installation step	Screen
<p>Accept the default port number (5432)</p> <p>Click Next</p>	
<p>Leave the "Locale" as "Default Locale"</p> <p>Click Next</p>	
<p>Verify the installation summary.</p> <p>Click Next</p>	

Installation step	Screen
Click Next	
Installing	
<p>The database server installation has finished</p> <p>Click off the “Launch Stack Builder at exit?” option and then click Finish</p>	

PostGIS Installation

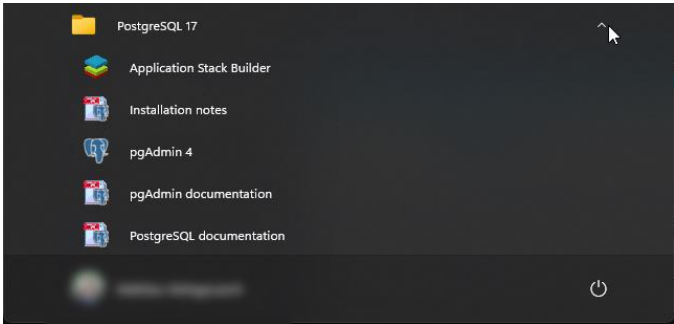


The following table explains how to install PostGIS database extension. The postgis-bundle-pg17x64-setup-x.x.x-x.exe installer is located in the “Prerequisites” sub-folder of the MIKE+ installation.

Installation step	Screen
Run the PostGIS installation program (e.g. postgis-bundle-pg17x64-setup-x.x.x-x.exe)	
Start of installation Click I Agree	 <p>The screenshot shows the 'License Agreement' window for PostGIS Bundle 3.5.3 for PostgreSQL x64 17. It displays the GNU GENERAL PUBLIC LICENSE Version 2, June 1991. The text includes copyright information for the Free Software Foundation, Inc. and states that everyone is permitted to copy and distribute verbatim copies of the license document, but changing it is not allowed. It also mentions that the licenses for most software are designed to take away your freedom. At the bottom, there is a progress bar for 'Nullsoft Install System v3.11' and two buttons: 'I Agree' and 'Cancel'.</p>
Keep default list of components. Click Next	 <p>The screenshot shows the 'Choose Components' window for PostGIS Bundle 3.5.3 for PostgreSQL x64 17. It asks the user to choose which features of the bundle they want to install. Below the text, there is a list of components with checkboxes. The 'PostGIS Bundle' checkbox is checked. Other components include 'Create spatial database', 'Register PROJ_LIB Env Variables', 'Register GDAL_DATA Env Variables', 'Enable Key GDAL Drivers', 'Enable All GDAL Drivers', 'Allow Out-db Rasters', and 'Register SSL Bundle'. To the right of the list is a 'Description' box with the text: 'Position your mouse over a component to see its description.' At the bottom, there is a progress bar for 'Nullsoft Install System v3.11' and three buttons: '< Back', 'Next >', and 'Cancel'.</p>

Installation step	Screen
<p>Accept the default folder.</p> <p>Click Next</p>	 <p>The screenshot shows the 'PostGIS Bundle 3.5.3 for PostgreSQL x64 17 Setup' window. The title bar reads 'PostGIS Bundle 3.5.3 for PostgreSQL x64 17 Setup'. The main content area has a header 'Choose Install Location' with a sub-header 'Choose the folder in which to install PostGIS Bundle 3.5.3 for PostgreSQL x64 17.' Below this, a message states: 'Setup will install PostGIS Bundle 3.5.3 for PostgreSQL x64 17 in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.' A 'Destination Folder' section contains a text box with the path 'C:\Program Files\PostgreSQL\17\' and a 'Browse...' button. Below the text box, it shows 'Space required: 299.2 MB' and 'Space available: 650.1 GB'. At the bottom, there is a 'Nullsoft Install System v3.11' label and three buttons: '< Back', 'Next >', and 'Cancel'.</p>
<p>Installing</p>	
<p>The installation has finished</p> <p>Click Close</p>	 <p>The screenshot shows the 'PostGIS Bundle 3.5.3 for PostgreSQL x64 17 Setup' window. The title bar reads 'PostGIS Bundle 3.5.3 for PostgreSQL x64 17 Setup'. The main content area has a header 'Installation Complete' with a sub-header 'Setup was completed successfully.' Below this, a 'Completed' section features a green progress bar that is 100% full. A 'Show details' button is located below the progress bar. At the bottom, there is a 'Nullsoft Install System v3.11' label and three buttons: '< Back', 'Close', and 'Cancel'.</p>

APPENDIX B: Advanced PostgreSQL Database management tool

The PostgreSQL database password provided during installation can be stored in the database for easy access in the future. It is an optional configuration.

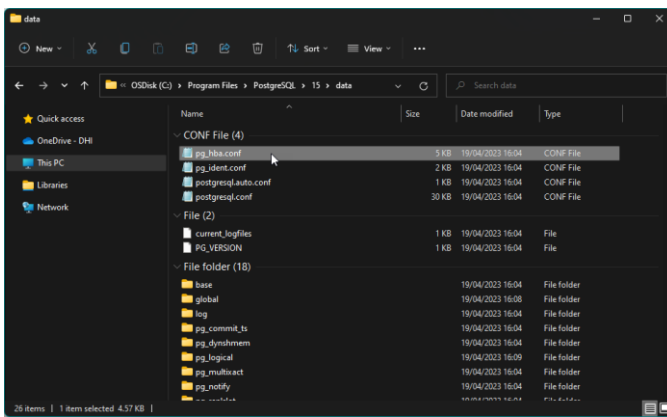
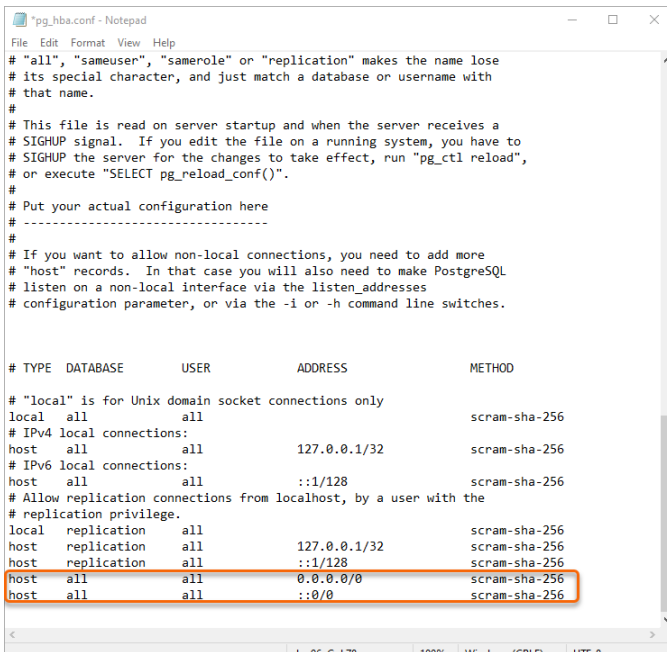
Installation step	Screen
Start the pgAdmin 4 database administration tool from the Windows Start menu	
In the left panel, expand the list of servers, and double-click the database to be used in MIKE+	
<p>It will request a password to connect to the database. If this window doesn't show up, right click the database server and select "Connect Server"</p> <p>Provide the password for the postgres user and tick on the "Save Password" option</p> <p>Click OK</p>	

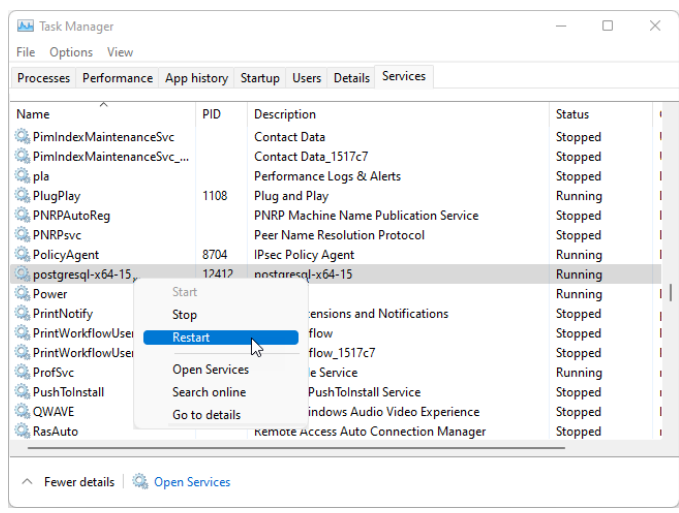
APPENDIX C: Configuring the PostgreSQL Database Server for remote access

IMPORTANT: This is only needed if the database server shall accept connection from remote computers.

The section describes how to configure the PostgreSQL database server for running in corporate mode.

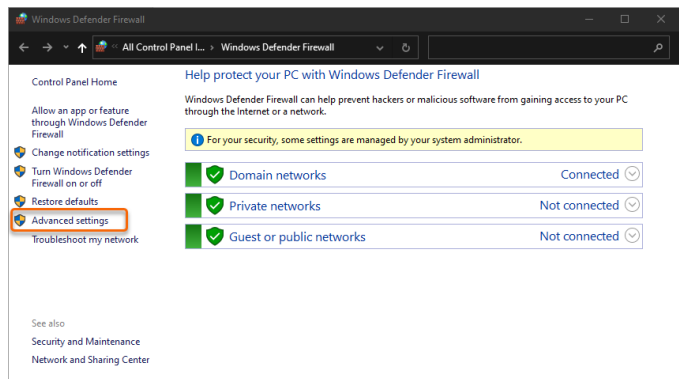
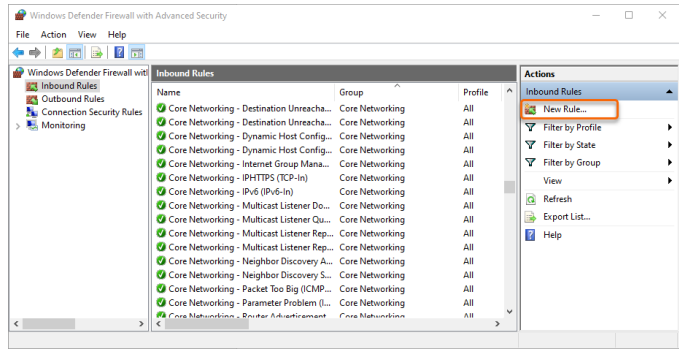
Start by enabling password save as shown in APPENDIX B.

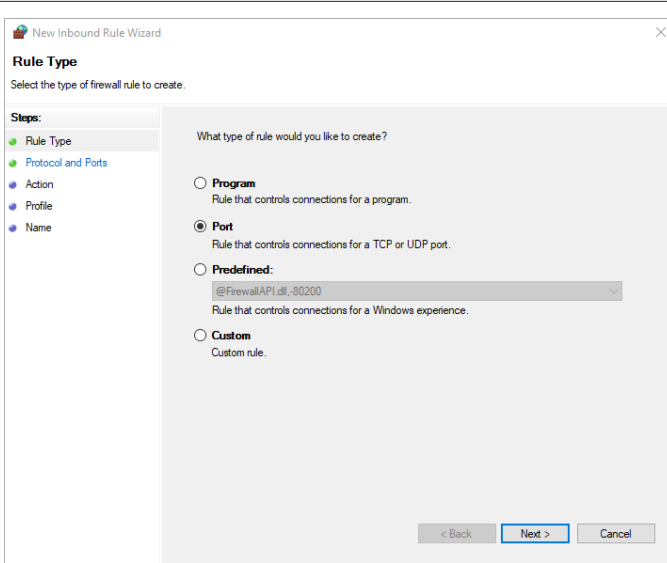
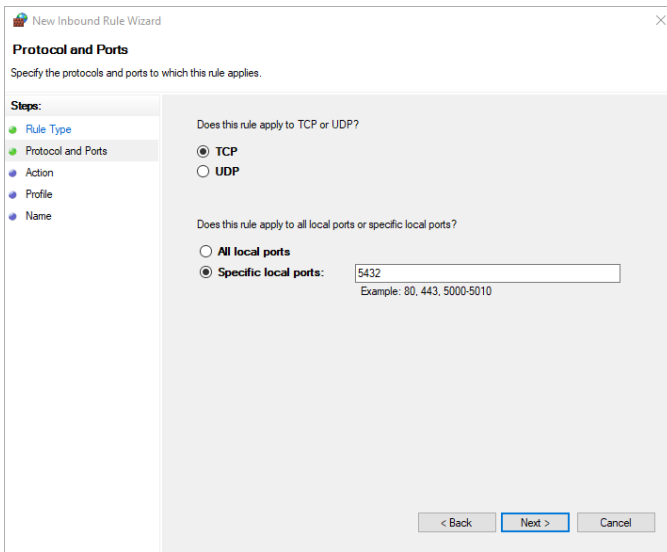
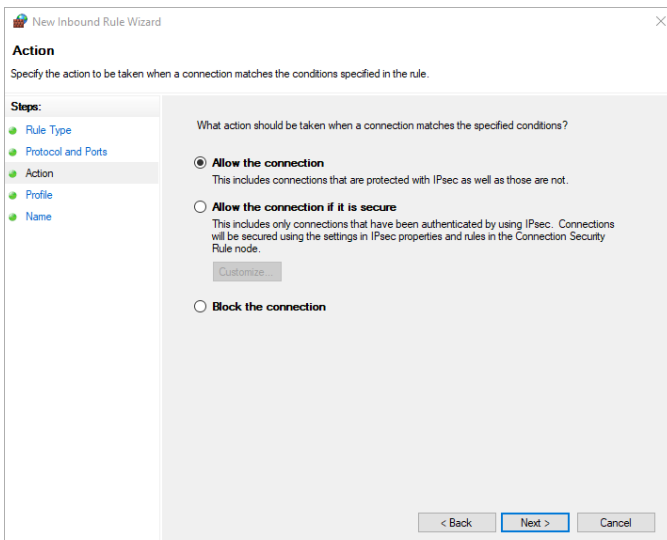
Installation step	Screen
<p>Locate the pg_hba.conf file in the data folder (C:\Program Files\PostgreSQL\17\data) and open it in an editor e.g. Notepad</p>	
<p>Insert new line(s) to open up for all non-local connections to database as shown on the right</p> <p>Open for IPv4:</p> <p>host all all 0.0.0.0/0 scram-sha-256</p> <p>Open for IPv6:</p> <p>host all all ::0/0 scram-sha-256</p> <p>Adjust spaces!</p> <p>Save the configuration.</p>	 <pre> # "all", "sameuser", "samerole" or "replication" makes the name lose # its special character, and just match a database or username with # that name. # # This file is read on server startup and when the server receives a # SIGHUP signal. If you edit the file on a running system, you have to # SIGHUP the server for the changes to take effect, run "pg_ctl reload", # or execute "SELECT pg_reload_conf()". # # Put your actual configuration here # ----- # # If you want to allow non-local connections, you need to add more # "host" records. In that case you will also need to make PostgreSQL # listen on a non-local interface via the listen_addresses # configuration parameter, or via the -i or -h command line switches. # TYPE DATABASE USER ADDRESS METHOD # "local" is for Unix domain socket connections only local all all scram-sha-256 # IPv4 local connections: host all all 127.0.0.1/32 scram-sha-256 # IPv6 local connections: host all all ::1/128 scram-sha-256 # Allow replication connections from localhost, by a user with the # replication privilege. local replication all scram-sha-256 host replication all 127.0.0.1/32 scram-sha-256 host replication all ::1/128 scram-sha-256 host all all 0.0.0.0/0 scram-sha-256 host all all ::0/0 scram-sha-256 </pre>

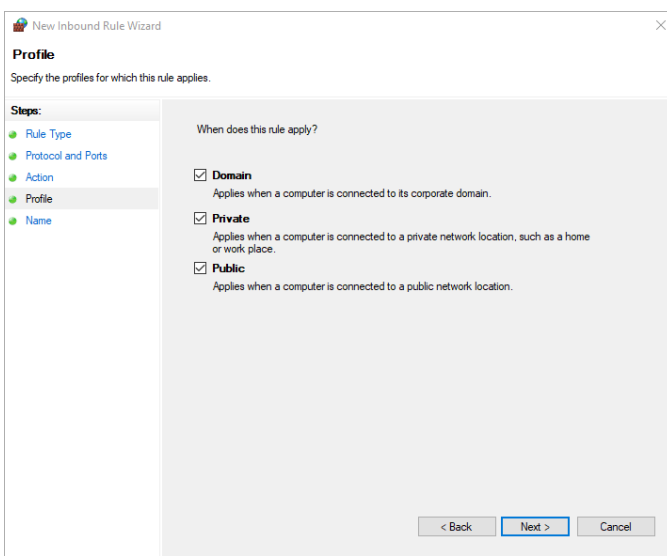
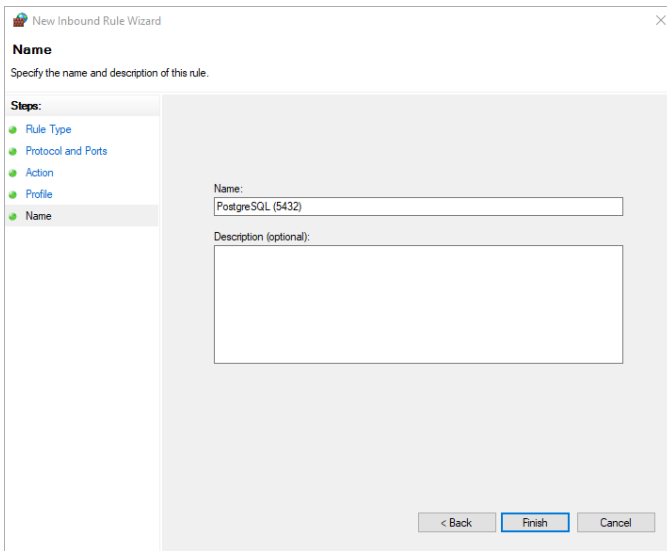
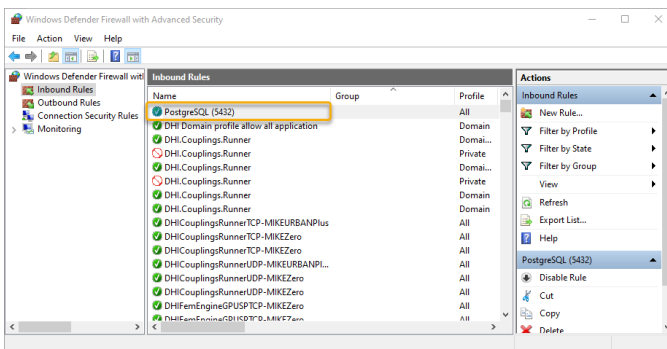
Installation step	Screen
<p>Open the Task Manager</p> <p>Restart the PostgreSQL services to apply the update.</p>	

Configuring the Windows Firewall for remote access to PostgreSQL

The section describes how to configure the Windows firewall for PostgreSQL running in enterprise mode.

Installation step	Screen
<p>Open the Firewall applet in the Windows Control Panel</p> <p>Click Advanced Settings</p>	
<p>Select Inbound Rules</p> <p>Click New Rule in the Actions panel to the right</p>	

Installation step	Screen
Select Port Click Next	 <p>The 'Rule Type' screen of the New Inbound Rule Wizard. It asks 'What type of rule would you like to create?'. The 'Steps' list on the left includes Rule Type, Protocol and Ports, Action, Profile, and Name. The main area has three radio buttons: 'Program' (Rule that controls connections for a program), 'Port' (selected, Rule that controls connections for a TCP or UDP port), and 'Predefined' (Rule that controls connections for a Windows experience, with a dropdown showing '@FirewallAPI.dll, 80200'). There is also a 'Custom' option for a custom rule. Navigation buttons at the bottom are '< Back', 'Next >', and 'Cancel'.</p>
Select TCP, Specific local ports and enter 5432 (or the port number specified when installing PostgreSQL) Click Next	 <p>The 'Protocol and Ports' screen of the New Inbound Rule Wizard. It asks 'Specify the protocols and ports to which this rule applies.' The 'Steps' list on the left is the same as the previous screen. The main area has two sections. The first asks 'Does this rule apply to TCP or UDP?' with 'TCP' selected. The second asks 'Does this rule apply to all local ports or specific local ports?' with 'Specific local ports' selected. A text box for 'Specific local ports' contains '5432', with an example '80, 443, 5000-5010' below it. Navigation buttons at the bottom are '< Back', 'Next >', and 'Cancel'.</p>
Select Allow the connection Click Next	 <p>The 'Action' screen of the New Inbound Rule Wizard. It asks 'Specify the action to be taken when a connection matches the conditions specified in the rule.' The 'Steps' list on the left is the same as the previous screens. The main area has a question 'What action should be taken when a connection matches the specified conditions?' with three radio buttons: 'Allow the connection' (selected, 'This includes connections that are protected with IPsec as well as those are not.'), 'Allow the connection if it is secure' (This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node. There is a 'Customize...' button next to it), and 'Block the connection'. Navigation buttons at the bottom are '< Back', 'Next >', and 'Cancel'.</p>

Installation step	Screen
<p>Click on for all profiles</p> <p>Click Next</p>	 <p>The screenshot shows the 'New Inbound Rule Wizard' window at the 'Profile' step. The title bar says 'New Inbound Rule Wizard'. Below the title bar, it says 'Profile' and 'Specify the profiles for which this rule applies.' On the left, there is a 'Steps:' list with 'Rule Type', 'Protocol and Ports', 'Action', 'Profile', and 'Name'. 'Profile' is selected. The main area is titled 'When does this rule apply?' and contains three checked options: 'Domain' (Applies when a computer is connected to its corporate domain.), 'Private' (Applies when a computer is connected to a private network location, such as a home or work place.), and 'Public' (Applies when a computer is connected to a public network location.). At the bottom right, there are buttons for '< Back', 'Next >', and 'Cancel'.</p>
<p>Specify a rule name – e.g. “PostgreSQL (5432)” – and a description</p> <p>Click Finish</p>	 <p>The screenshot shows the 'New Inbound Rule Wizard' window at the 'Name' step. The title bar says 'New Inbound Rule Wizard'. Below the title bar, it says 'Name' and 'Specify the name and description of this rule.' On the left, the 'Steps:' list has 'Name' selected. The main area has a 'Name:' label followed by a text box containing 'PostgreSQL (5432)'. Below that is a 'Description (optional):' label followed by a larger text box. At the bottom right, there are buttons for '< Back', 'Finish', and 'Cancel'.</p>
<p>The new rule is now added to the list of Inbound rules</p>	 <p>The screenshot shows the 'Windows Defender Firewall with Advanced Security' window. The 'Inbound Rules' tab is selected. A list of rules is shown with columns for Name, Group, and Profile. The rule 'PostgreSQL (5432)' is highlighted. The 'Actions' menu is open, showing options like 'New Rule...', 'Filter by Profile', 'Filter by State', 'Filter by Group', 'View', 'Refresh', 'Export List...', 'Help', 'PostgreSQL (5432)', 'Disable Rule', 'Cut', 'Copy', and 'Delete'.</p>


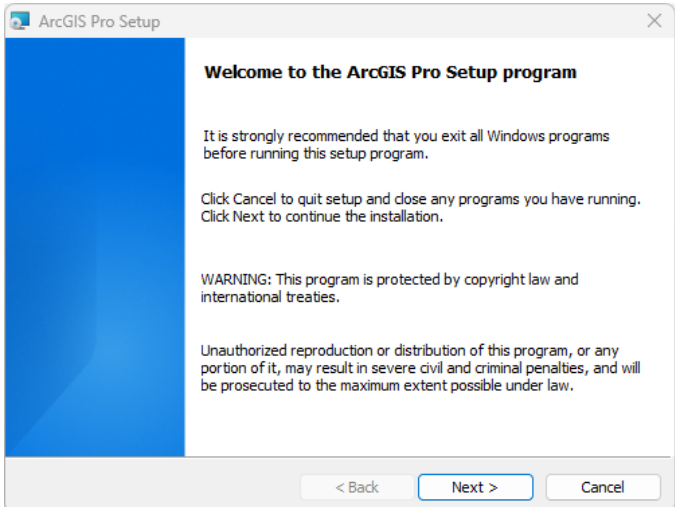
APPENDIX D: Install ArcGIS Pro

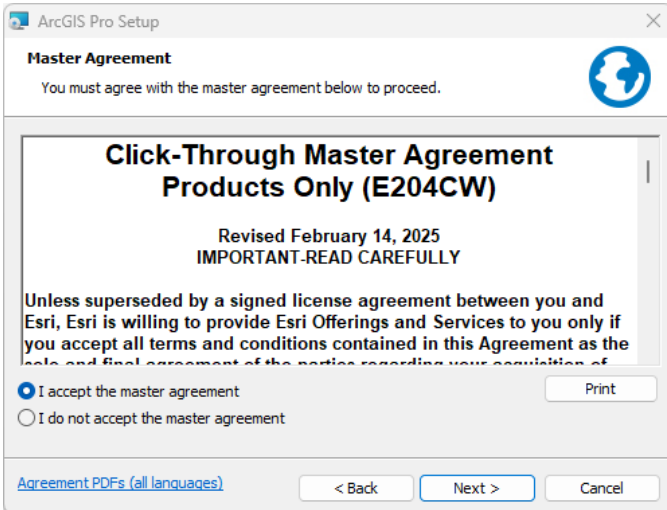
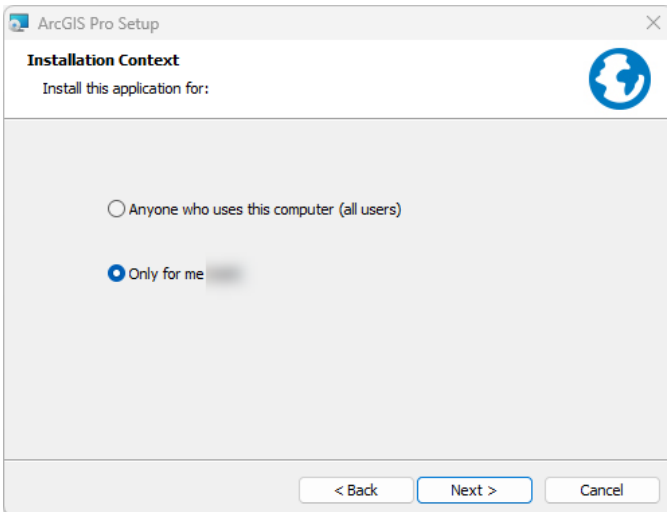
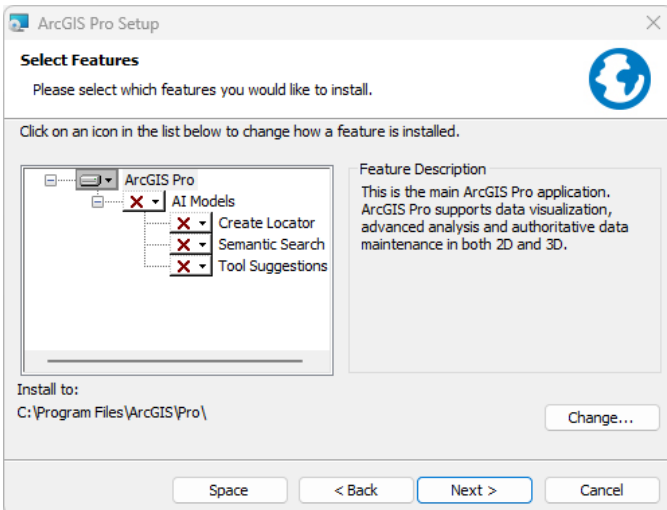
The ArcGIS Pro installation is carried out in the following stages:

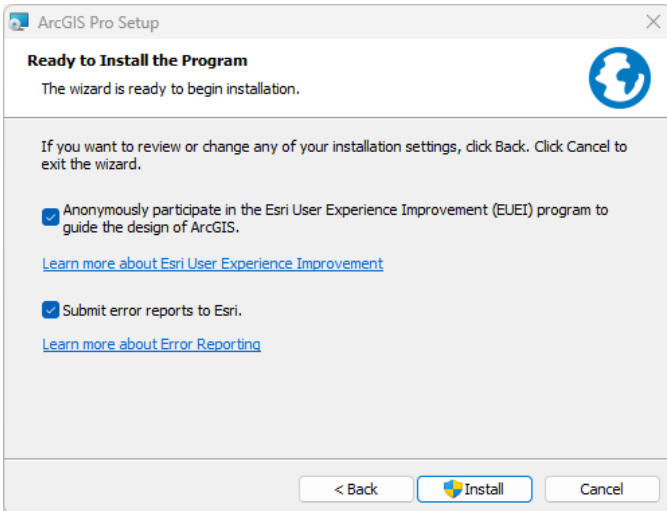
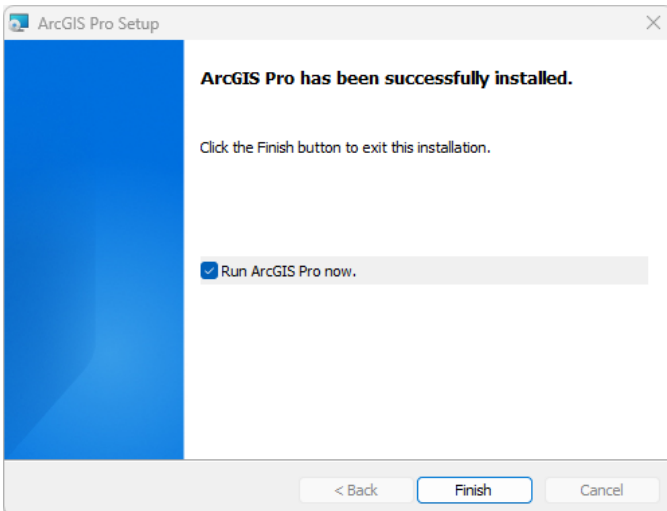
1. Installation of ArcGIS Pro.
2. Installation of ArcGIS License Manager (if using a Concurrent License with an EFL code).
3. Authorization of the license as a Named User (preferred option, applicable to both Single Use and Concurrent Use licenses), or as a Concurrent License using an EFL code or a local license.

ArcGIS Pro Installation

The following table explains how to install ArcGIS Pro. The ArcGISPro.msi installer is located in the “Prerequisites” subfolder of the MIKE+ installation.

Installation step	Screen
<p>Run the <i>ArcGISPro.msi</i> program file from the installation media/download folder, in the ‘ArcGIS Pro’ folder.</p> <p>Click Next</p>	
<p>Click Next</p>	

Installation step	Screen
<p>Select I accept the master agreement</p> <p>Click Next</p>	 <p>The screen shows the 'Master Agreement' window. It includes a title bar 'ArcGIS Pro Setup', a header 'Master Agreement' with a sub-header 'You must agree with the master agreement below to proceed.', and a large text area titled 'Click-Through Master Agreement Products Only (E204CW)' with a revision date of 'Revised February 14, 2025' and a warning 'IMPORTANT-READ CAREFULLY'. Below the text are two radio buttons: 'I accept the master agreement' (selected) and 'I do not accept the master agreement'. A 'Print' button is on the right. At the bottom are links for 'Agreement PDFs (all languages)', '< Back', 'Next >', and 'Cancel'.</p>
<p>Select Anyone who uses this computer (all users)</p> <p>Click Next</p>	 <p>The screen shows the 'Installation Context' window. It has a title bar 'ArcGIS Pro Setup' and a header 'Installation Context' with the instruction 'Install this application for:'. Below are two radio buttons: 'Anyone who uses this computer (all users)' (selected) and 'Only for me'. At the bottom are '< Back', 'Next >', and 'Cancel' buttons.</p>
<p>Select the optional AI models you wish to install, and change the installation folder if necessary</p> <p>Click Next</p>	 <p>The screen shows the 'Select Features' window. It has a title bar 'ArcGIS Pro Setup' and a header 'Select Features' with the instruction 'Please select which features you would like to install.' Below is a list of features with checkboxes: 'ArcGIS Pro' (checked), 'AI Models' (checked), 'Create Locator' (checked), 'Semantic Search' (checked), and 'Tool Suggestions' (checked). To the right is a 'Feature Description' box for 'ArcGIS Pro' stating it is the main application for data visualization and analysis. At the bottom, it shows the installation path 'C:\Program Files\ArcGIS\Pro\' and a 'Change...' button. Navigation buttons at the bottom include 'Space', '< Back', 'Next >', and 'Cancel'.</p>


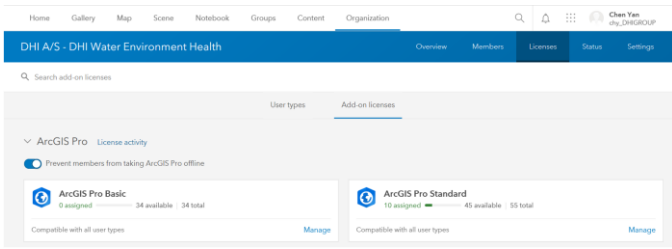
Installation step	Screen
Click Install	
Click Finish	

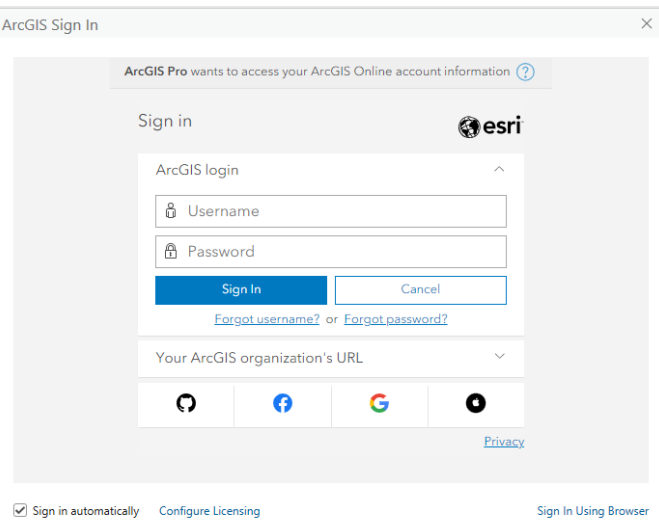
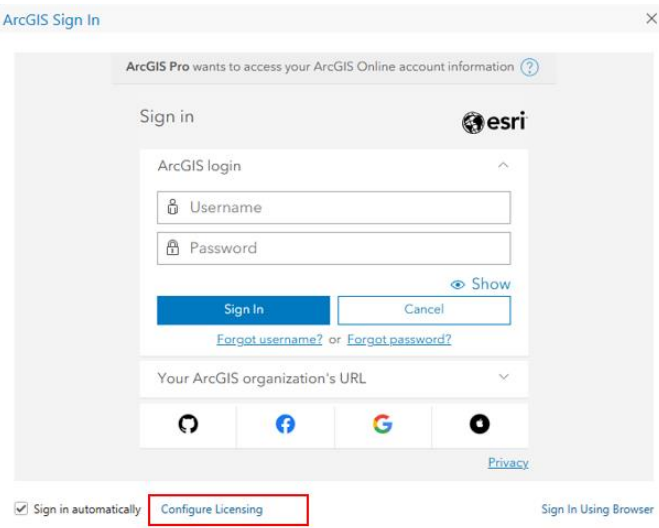
Authorization with a Named User license

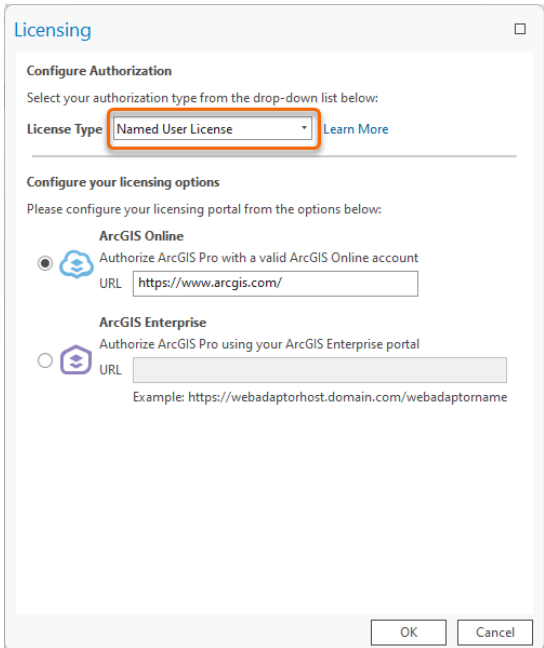
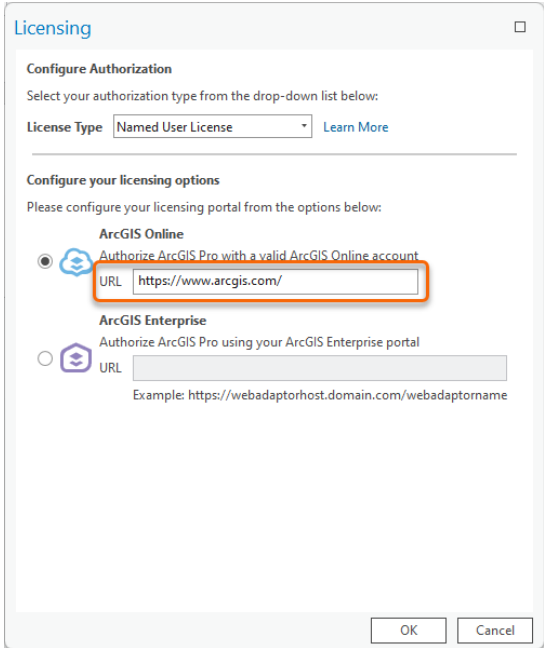
The Named User license (for both Single Use and Concurrent Use) provides an easy authorisation procedure, e.g. no requirement on license server is needed. If you have a Named User license of the ArcGIS Pro software, please follow these instructions to authorize it.

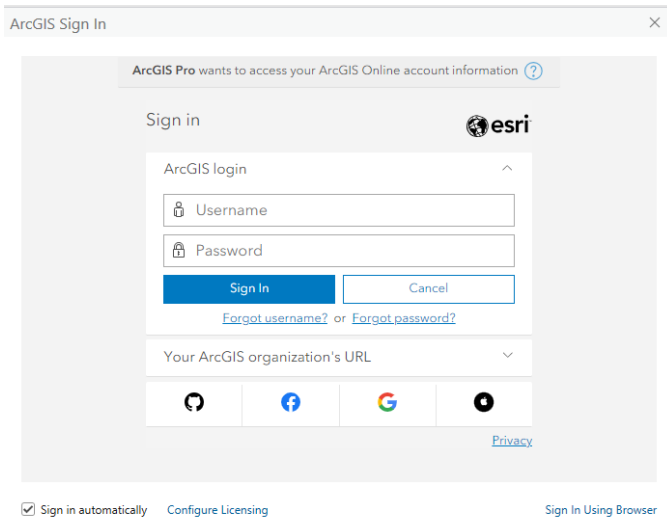
To authorize a Named User license, you must have received an activation email. The first user in your organization to activate the link will be assigned as the 'company admin'. The activation link will lead the user to create an Online Portal where ArcGIS Pro licensing, adding/removing users, and sharing projects/maps based on the cloud solution can be done.

To proceed with the authorization, ensure you have the activation email ready and are connected to the Internet.

Installation step	Screen
<p>Click the activation link and follow the instructions to create the Online Portal for your organization</p> <p>To explore the functionality of ArcGIS Online, click 'Self-Help Resources'</p>	<p>Hello:</p> <p>Here is the information for activating your ArcGIS Online subscription.</p> <p>To activate your subscription, click the following link or copy it into your browser:</p> <p>https://www.arcgis.com/home/activate.html?activationcode=21c10c00938dbd50c2a5</p> <p>Review the terms of use.</p> <p>Your Subscription Information</p> <p>Keep the following subscription ID for your records and reference it if you need to contact us.</p> <p>Subscription ID: XXXXXXXXXX Customer number: XXXXXX Customer Name: DHI</p> <p>Self-Help Resources</p> <p>ArcGIS Online help ArcGIS Online forum ArcGIS Online videos ArcGIS Online blog</p>
<p>The first user to click on the activation mail will automatically be assigned as the company admin. The company admin then invites members to join the Online Portal as well as assigns ArcGIS Pro licenses.</p> <p>Note: The invitation letter to a new member must be activated within 14 days.</p>	<p>An invitation to join an ArcGIS Online organization, DHI A/S - DHI Water Environment Health.</p> <p> ArcGIS Notifications <notifications@arcgis.com> To: Chen Yan</p> <p>Chen Yan has invited you to join an ArcGIS Online Organization, DHI A/S - DHI Water Environment Health.</p> <p>Please click this link to finish setting up your account and establish your password to join the organization, DHI A/S - DHI Water Environment Health: https://www.arcgis.com/home/newuser.html?invitation=Add2e1852f0994d1088034</p> <p>This link will expire in 14 day(s).</p> <p>Note that your account has already been created for you with the username, illegible.</p> <p>If you have difficulty signing in, please contact Chen Yan at illegible. Be sure to include a description of the problem, the error message, and a screenshot.</p> <p>For your reference, you can access the home page of the organization here: https://dhiarcgis.com</p> <p>Experience what's possible with ArcGIS Online For free hands-on lessons and other resources, visit Learn ArcGIS.</p>
<p>To assign ArcGIS Pro license to the existing members:</p> <p>Click the tab 'License' \ 'Manage'.</p> <p>You may watch video tutorials that demonstrate the basics of ArcGIS Online here.</p>	

Installation step	Screen
<p>Activate your Named User License on the local installation of ArcGIS Pro:</p> <p>Launch ArcGIS Pro</p> <p>Sign in using the credentials, which consist of a username and a password.</p>	 <p>The screenshot shows the 'ArcGIS Sign In' dialog box. At the top, it says 'ArcGIS Pro wants to access your ArcGIS Online account information'. Below this is the 'Sign in' section with the Esri logo. It contains a form with 'Username' and 'Password' fields, a 'Sign In' button, and a 'Cancel' button. There are links for 'Forgot username?' and 'Forgot password?'. Below the form is a dropdown for 'Your ArcGIS organization's URL'. At the bottom, there are social media icons and a 'Privacy' link. At the very bottom of the dialog, there are three options: 'Sign in automatically' (checked), 'Configure Licensing', and 'Sign In Using Browser'.</p>
<p>Click the 'Configure Licensing' option to switch between deployment types, such as a Single Use, Concurrent, or Named User license.</p>	 <p>This screenshot is identical to the one above, but the 'Configure Licensing' button at the bottom is highlighted with a red rectangular box.</p>

Installation step	Screen
<p>Select the license type 'Named User License'</p>	 <p>The screenshot shows the 'Licensing' dialog box. Under 'Configure Authorization', the 'License Type' dropdown menu is set to 'Named User License' and is highlighted with a red rectangle. Below this, under 'Configure your licensing options', the 'ArcGIS Online' option is selected with a radio button. The URL field for ArcGIS Online is set to 'https://www.arcgis.com/'.</p>
<p>Select the license portal ArcGIS Online, with URL https://www.arcgis.com/</p> <p>Click OK</p>	 <p>This screenshot is identical to the one above, showing the 'Licensing' dialog box with 'Named User License' selected and the 'ArcGIS Online' option chosen. The URL 'https://www.arcgis.com/' is entered in the URL field and highlighted with a red rectangle.</p>

Installation step	Screen
<p>Enter your Username and Password</p> <p>Click Sign In</p>	

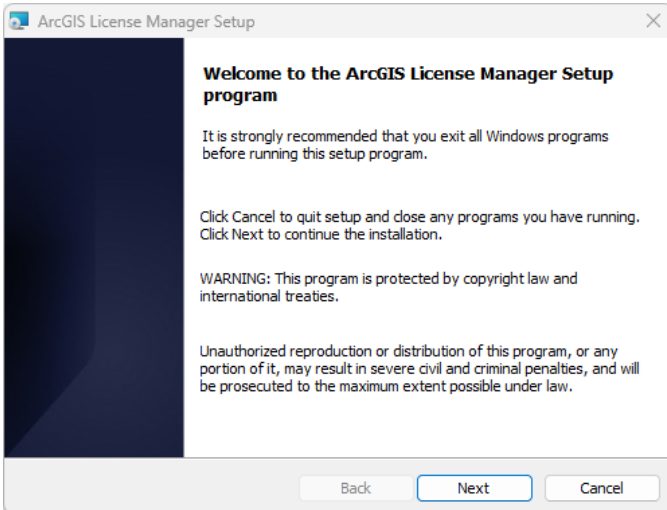
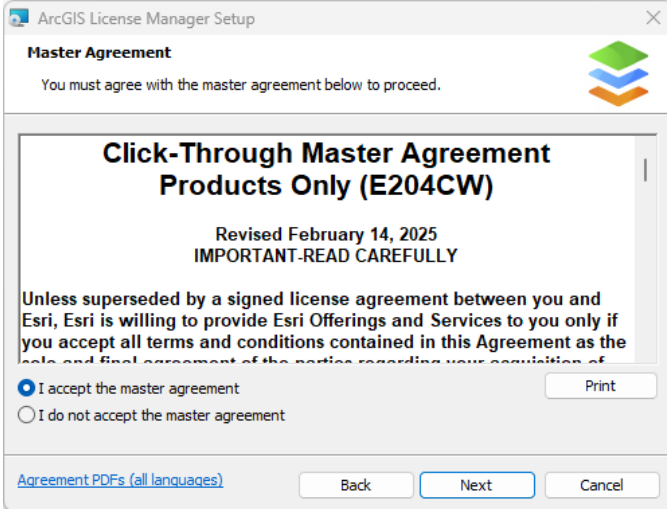
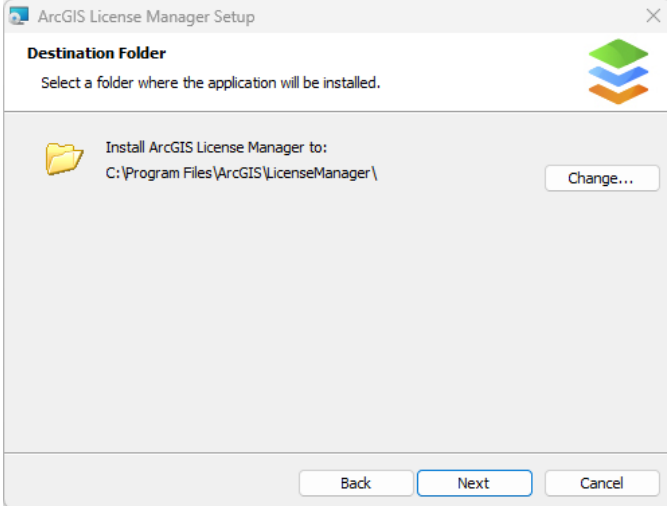
Authorization with a network license server and EFL code

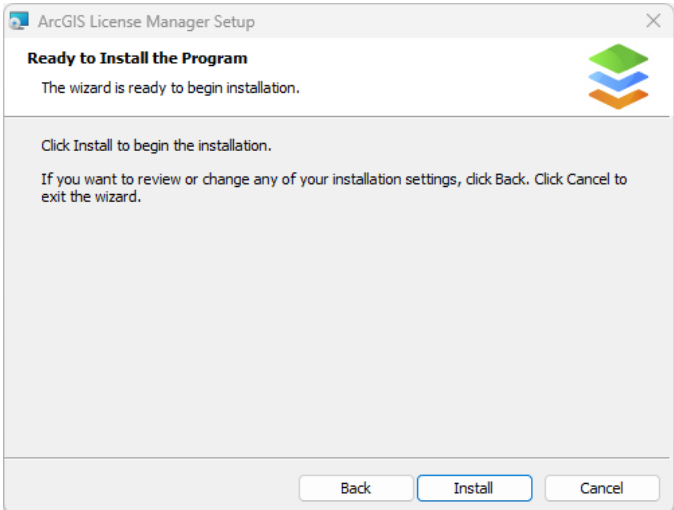
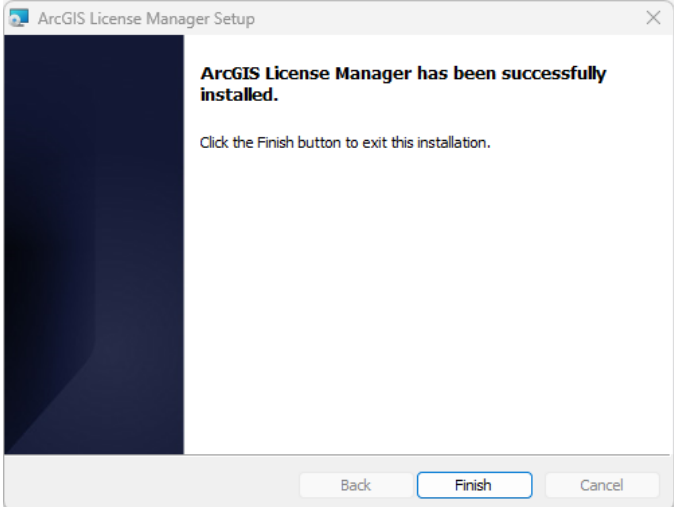
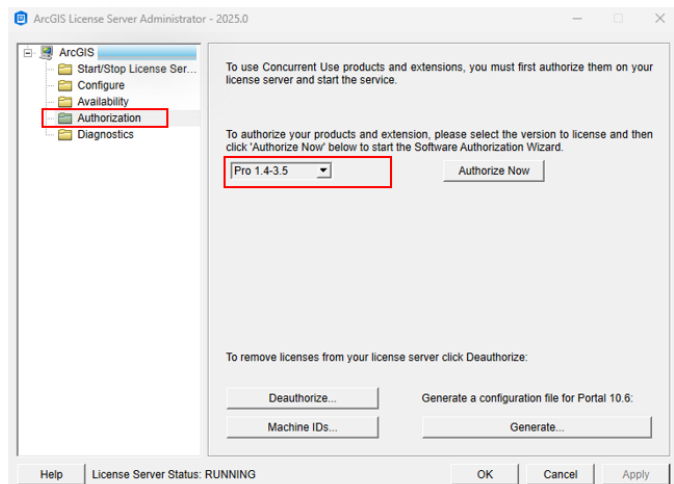
You have received a network license of ArcGIS Pro software with an ELF code (Concurrent Use license, with format EFLXXXXXXXXX). Please follow these instructions to authorize the product.

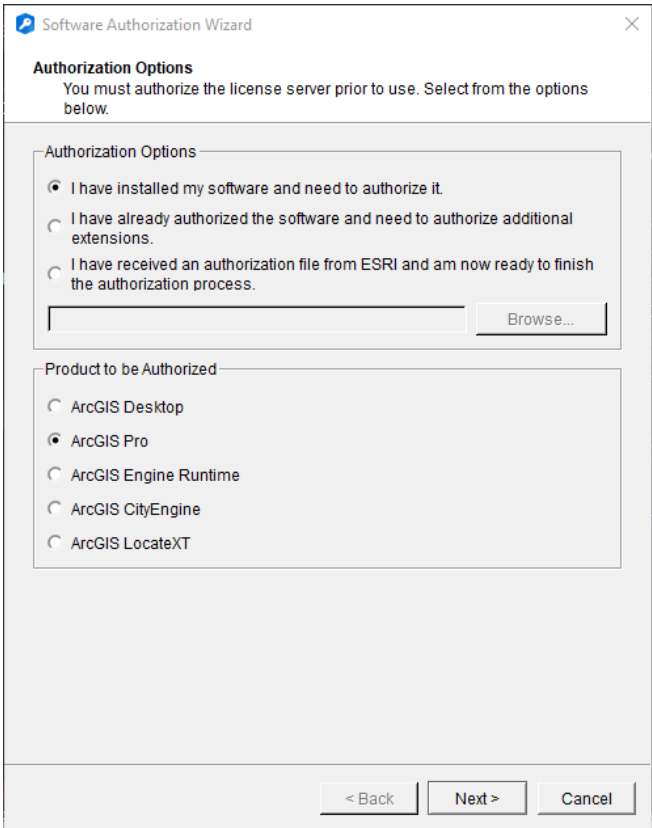
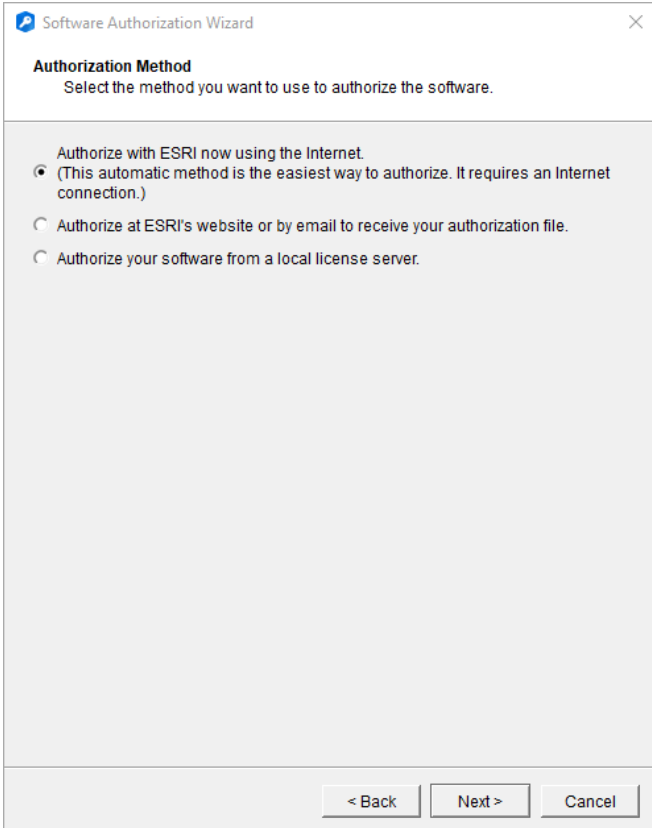
The ArcGIS License Manager in version 2025.0 must be installed to make the licenses available. If you wish to use the software on your local PC without making it available on a network, you can install the ArcGIS License Manager on the local PC. If you wish to use a setup where you use a local installation of ArcGIS Pro and acquire its license from a license server, you can install it on a server in your local network.

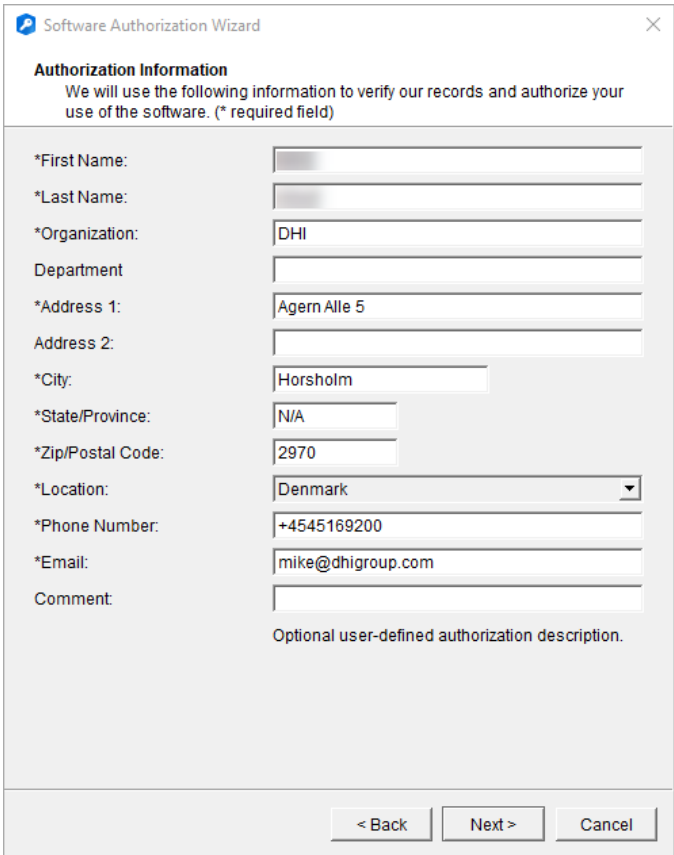
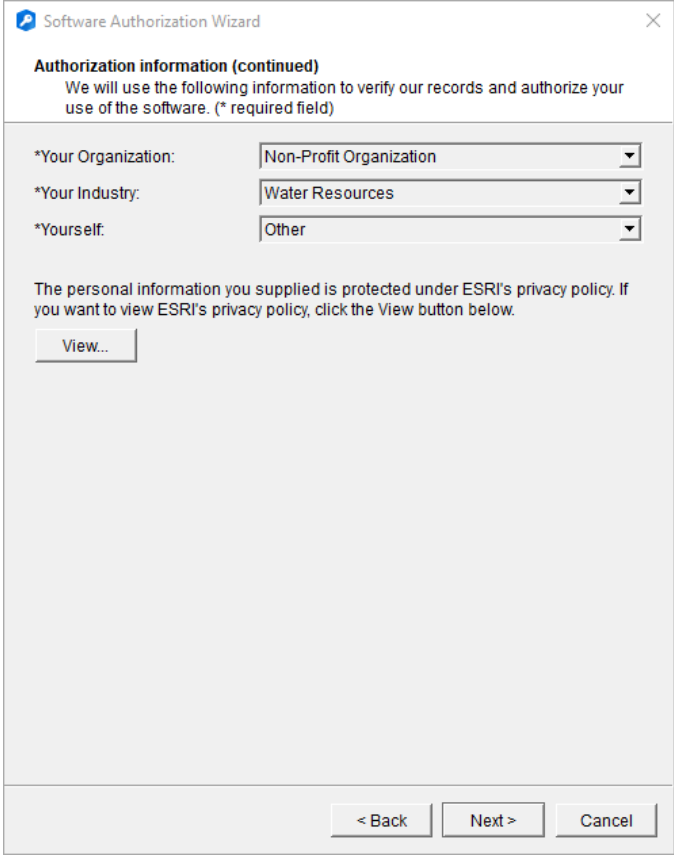
The corresponding installer is located in the “Prerequisites” subfolder of the MIKE+ installation, under the folder ArcGIS License Manager 2025.0. If you already have an older version installed, please install the newer version directly; the older version will be overwritten. Detailed info can be found [here](#).

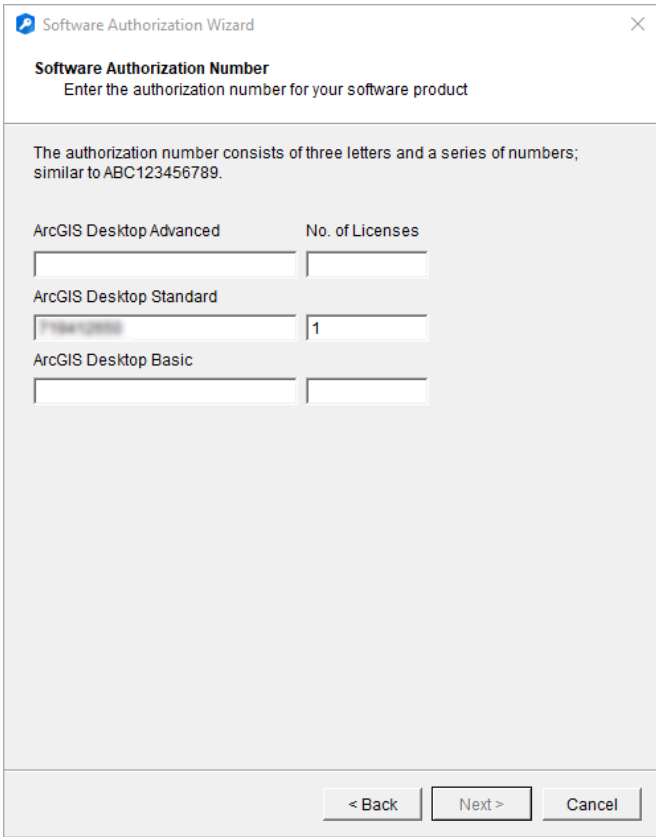
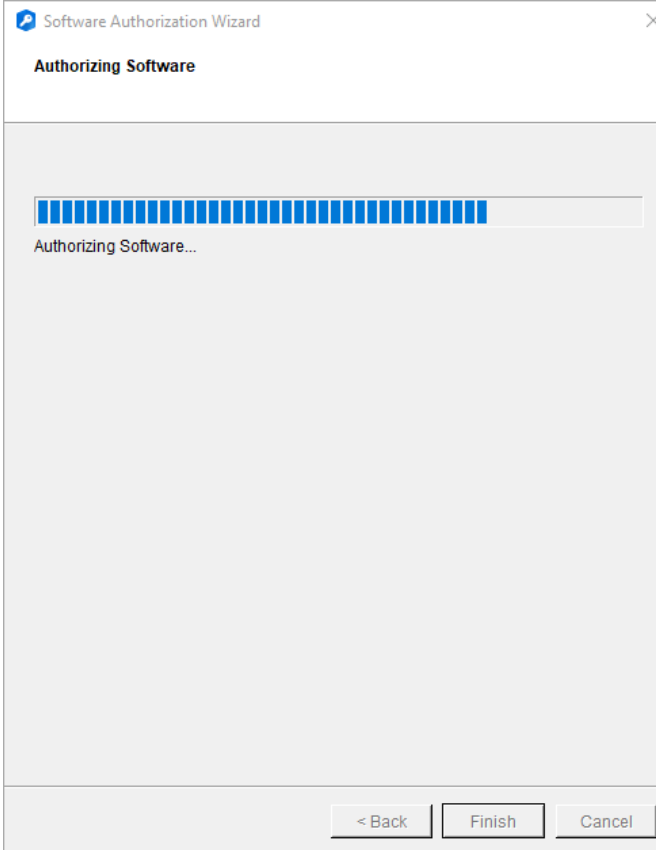
Note: If you have already authorized some seats earlier, they cannot be authorized again unless you have de-authorized them first.

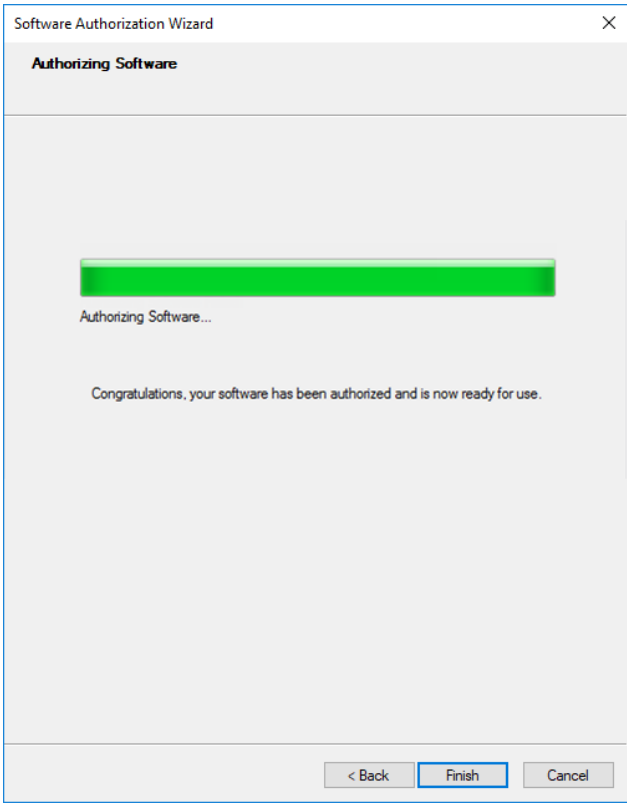
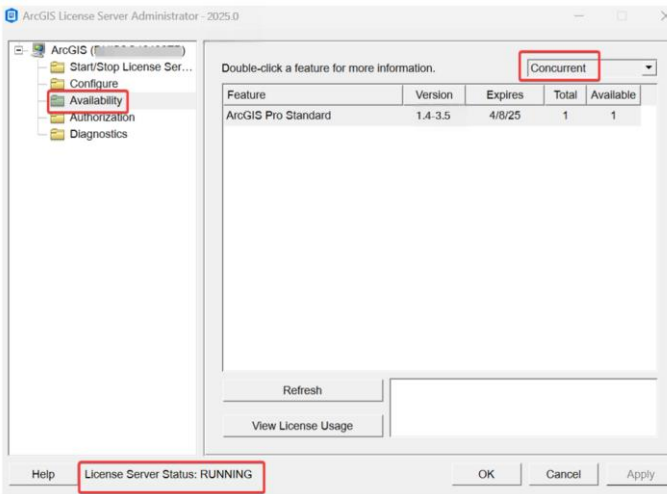
Installation step	Screen
<p>Run the <i>Setup.exe</i> program file from the installation media/download folder, in the 'ArcGIS License Manager 2025.0' folder.</p> <p>Click Next</p>	 <p>The screenshot shows the 'Welcome to the ArcGIS License Manager Setup program' window. It includes instructions to exit other Windows programs, a warning about copyright, and a disclaimer. At the bottom are 'Back', 'Next', and 'Cancel' buttons.</p>
<p>Select I accept the master agreement</p> <p>Click Next</p>	 <p>The screenshot shows the 'Master Agreement' screen. It contains a scrollable text area with the 'Click-Through Master Agreement' for products only, dated February 14, 2025. Below the text are radio buttons for 'I accept the master agreement' (selected) and 'I do not accept the master agreement'. There is a 'Print' button and a link to 'Agreement PDFs (all languages)'. At the bottom are 'Back', 'Next', and 'Cancel' buttons.</p>
<p>Click Next</p>	 <p>The screenshot shows the 'Destination Folder' screen. It asks the user to select a folder for installation. It displays a folder icon and the path 'C:\Program Files\ArcGIS\LicenseManager\'. There is a 'Change...' button. At the bottom are 'Back', 'Next', and 'Cancel' buttons.</p>

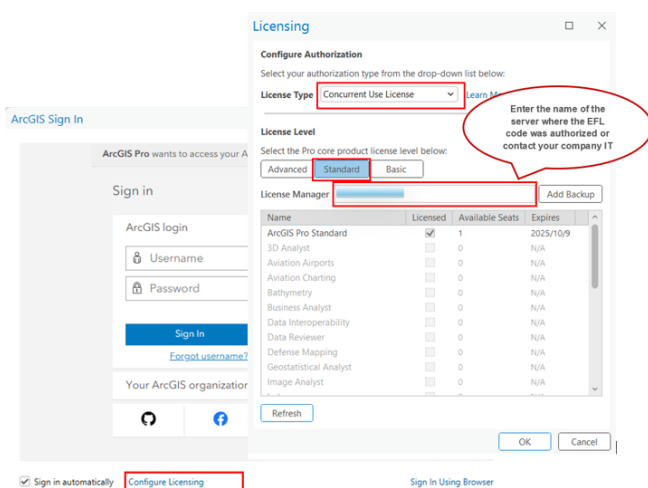
Installation step	Screen
<p>Click Install</p> <p>The process may take several minutes</p>	
<p>Click Finish</p>	
<p>Select the version: Pro 1.4-3.5</p> <p>Click Authorize Now</p>	

Installation step	Screen
<p>Select 'I have installed my software and need to authorize it'</p> <p>Select the product ArcGIS Pro</p> <p>Click Next</p>	 <p>The screenshot shows the 'Software Authorization Wizard' window. The title bar says 'Software Authorization Wizard'. Below the title bar, it says 'Authorization Options' and 'You must authorize the license server prior to use. Select from the options below.' There are three radio button options under 'Authorization Options': <input checked="" type="radio"/> I have installed my software and need to authorize it. <input type="radio"/> I have already authorized the software and need to authorize additional extensions. <input type="radio"/> I have received an authorization file from ESRI and am now ready to finish the authorization process. Below these options is a text box and a 'Browse...' button. Underneath is a section titled 'Product to be Authorized' with six radio button options: <input type="radio"/> ArcGIS Desktop <input checked="" type="radio"/> ArcGIS Pro <input type="radio"/> ArcGIS Engine Runtime <input type="radio"/> ArcGIS CityEngine <input type="radio"/> ArcGIS LocateXT At the bottom of the window are three buttons: '< Back', 'Next >', and 'Cancel'.</p>
<p>Select this option</p> <p>Click Next</p>	 <p>The screenshot shows the 'Software Authorization Wizard' window. The title bar says 'Software Authorization Wizard'. Below the title bar, it says 'Authorization Method' and 'Select the method you want to use to authorize the software.' There are three radio button options: <input checked="" type="radio"/> Authorize with ESRI now using the Internet. (This automatic method is the easiest way to authorize. It requires an Internet connection.) <input type="radio"/> Authorize at ESRI's website or by email to receive your authorization file. <input type="radio"/> Authorize your software from a local license server. At the bottom of the window are three buttons: '< Back', 'Next >', and 'Cancel'.</p>

Installation step	Screen
<p>Fill in the necessary information</p> <p>Click Next</p>	 <p>The screenshot shows the 'Software Authorization Wizard' window. The title bar says 'Software Authorization Wizard'. Below the title bar, it says 'Authorization Information' and 'We will use the following information to verify our records and authorize your use of the software. (* required field)'. The form contains the following fields: *First Name, *Last Name, *Organization (filled with 'DHI'), Department, *Address 1 (filled with 'Agerm Alle 5'), Address 2, *City (filled with 'Horsholm'), *State/Province (filled with 'N/A'), *Zip/Postal Code (filled with '2970'), *Location (filled with 'Denmark'), *Phone Number (filled with '+4545169200'), *Email (filled with 'mike@dhigroup.com'), and Comment. At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'.</p>
<p>Fill in the necessary information</p> <p>Click Next</p>	 <p>The screenshot shows the 'Software Authorization Wizard' window, 'Authorization information (continued)' screen. The title bar says 'Software Authorization Wizard'. Below the title bar, it says 'Authorization information (continued)' and 'We will use the following information to verify our records and authorize your use of the software. (* required field)'. The form contains the following fields: *Your Organization (filled with 'Non-Profit Organization'), *Your Industry (filled with 'Water Resources'), and *Yourself (filled with 'Other'). Below these fields, there is a paragraph: 'The personal information you supplied is protected under ESRI's privacy policy. If you want to view ESRI's privacy policy, click the View button below.' and a 'View...' button. At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'.</p>

Installation step	Screen
<p>Fill in your ArcGIS Authorization code starting with EFL, and select the number of seats you would like to authorize (1 seat per purchased license)</p> <p>Note: If you have already authorized some seats earlier, they cannot be authorized again unless you have de-authorized them</p> <p>Click Next</p>	 <p>The screenshot shows the 'Software Authorization Wizard' window. The title bar says 'Software Authorization Wizard'. The main heading is 'Software Authorization Number' with the instruction 'Enter the authorization number for your software product'. Below this, a note states: 'The authorization number consists of three letters and a series of numbers; similar to ABC123456789.' There is a table with two columns: 'ArcGIS Desktop Advanced' and 'No. of Licenses'. The 'ArcGIS Desktop Standard' row is selected, and the 'No. of Licenses' is set to 1. At the bottom, there are buttons for '< Back', 'Next >', and 'Cancel'.</p>
<p>The authorization process may take a couple of minutes</p>	 <p>The screenshot shows the 'Software Authorization Wizard' window at the 'Authorizing Software' step. The title bar says 'Software Authorization Wizard'. The main heading is 'Authorizing Software'. Below this, there is a progress bar that is nearly full. The text 'Authorizing Software...' is displayed. At the bottom, there are buttons for '< Back', 'Finish', and 'Cancel'.</p>

Installation step	Screen
Click Finish	 <p>The screenshot shows the 'Software Authorization Wizard' dialog box. The title bar reads 'Software Authorization Wizard'. The main area is titled 'Authorizing Software'. It features a green progress bar at the top. Below the bar, the text reads 'Authorizing Software...'. Further down, it says 'Congratulations, your software has been authorized and is now ready for use.' At the bottom right, there are three buttons: '< Back', 'Finish' (highlighted with a blue border), and 'Cancel'.</p>
<p>In the ArcGIS License Server Administrator, select Availability from the menu to view the list of available licenses and their status.</p> <p>Click OK, and the authorization of the Concurrent Use license is finalised.</p> <p>Let us now connect the machine to the license server.</p>	 <p>The screenshot shows the 'ArcGIS License Server Administrator - 2025.0' window. On the left, a tree view shows 'ArcGIS (2025.0)' expanded, with 'Availability' selected and highlighted by a red box. The main pane shows a table of licenses. Above the table, a dropdown menu is set to 'Concurrent', also highlighted by a red box. The table has columns: Feature, Version, Expires, Total, and Available. It contains one row: 'ArcGIS Pro Standard', '1.4.3.5', '4/8/25', '1', and '1'. Below the table are 'Refresh' and 'View License Usage' buttons. At the bottom, a status bar shows 'License Server Status: RUNNING' highlighted by a red box. Other buttons at the bottom include 'Help', 'OK', 'Cancel', and 'Apply'.</p>

Installation step	Screen																																																
<p>Launch ArcGIS Pro from the machine where you wish to run MIKE+ and ArcGIS Pro.</p> <p>Click 'Configure licensing'</p> <p>Select the appropriate settings and specify the license manager's hostname / IP address / Port.</p> <p>Click OK, and now you are ready to start ArcGIS Pro.</p>	 <p>The screenshot shows the 'Licensing' dialog box in ArcGIS Pro. The 'License Type' is set to 'Concurrent Use License'. The 'License Level' is set to 'Standard'. The 'License Manager' field is empty, with a red circle and text indicating where to enter the server name. The 'Sign in' section shows 'Sign in automatically' checked and 'Configure Licensing' highlighted. The 'License Manager' table lists various ArcGIS Pro products and their license status.</p> <table><tr><th>Name</th><th>Licensed</th><th>Available Seats</th><th>Expires</th></tr><tr><td>ArcGIS Pro Standard</td><td><input checked="" type="checkbox"/></td><td>1</td><td>2025/10/9</td></tr><tr><td>3D Analyst</td><td><input type="checkbox"/></td><td>0</td><td>N/A</td></tr><tr><td>Aviation Airports</td><td><input type="checkbox"/></td><td>0</td><td>N/A</td></tr><tr><td>Aviation Charting</td><td><input type="checkbox"/></td><td>0</td><td>N/A</td></tr><tr><td>Bathymetry</td><td><input type="checkbox"/></td><td>0</td><td>N/A</td></tr><tr><td>Business Analyst</td><td><input type="checkbox"/></td><td>0</td><td>N/A</td></tr><tr><td>Data Interoperability</td><td><input type="checkbox"/></td><td>0</td><td>N/A</td></tr><tr><td>Data Reviewer</td><td><input type="checkbox"/></td><td>0</td><td>N/A</td></tr><tr><td>Defense Mapping</td><td><input type="checkbox"/></td><td>0</td><td>N/A</td></tr><tr><td>Geostatistical Analyst</td><td><input type="checkbox"/></td><td>0</td><td>N/A</td></tr><tr><td>Image Analyst</td><td><input type="checkbox"/></td><td>0</td><td>N/A</td></tr></table>	Name	Licensed	Available Seats	Expires	ArcGIS Pro Standard	<input checked="" type="checkbox"/>	1	2025/10/9	3D Analyst	<input type="checkbox"/>	0	N/A	Aviation Airports	<input type="checkbox"/>	0	N/A	Aviation Charting	<input type="checkbox"/>	0	N/A	Bathymetry	<input type="checkbox"/>	0	N/A	Business Analyst	<input type="checkbox"/>	0	N/A	Data Interoperability	<input type="checkbox"/>	0	N/A	Data Reviewer	<input type="checkbox"/>	0	N/A	Defense Mapping	<input type="checkbox"/>	0	N/A	Geostatistical Analyst	<input type="checkbox"/>	0	N/A	Image Analyst	<input type="checkbox"/>	0	N/A
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