

Installing and Authorizing ArcGIS Network With MIKE Software on a Server - Recommended setup

The expert in WATER ENVIRONMENTS



General Information

You have purchased a network license of MIKE URBAN which includes ArcGIS software with an EFL code. If you wish to use the installation as a network license where you connect to a license for MIKE URBAN and ArcGIS from a license server, please follow these instructions.

Both the DHI License Management (please refer to DHI License Management, User Guide) and the ArcGIS License Server Administrator must be installed on a server accessible from your local/client PC.

This document describes in detail how to install the ArcGIS License Manager on a server. It also describes the steps necessary for authorizing the available seats with an EFL code and then connecting to the ArcGIS License Server Administrator from the Client (ArcGIS Administrator).

While VPN connections in general are supported you should always involve your IT department in solving any issues stemming from network configurations and similar. DHI may not have the necessary information to help with such issues.

Installation on the server

Before installation, make sure to have the correct User Access Control Settings on the computer you are installing on. They should be at the lowest possible. To change the User access control settings, please go to the Control Panel - User account - change user account control settings. Make sure it stays at the lowest as 'never notify' while installing and licensing Open the folder called ArcGIS 10.7.1 and then License Manager 2019.0/LicenseManager

Then right click the Setup .exe file and choose run as administrator. This will start the installation process:



🐙 ArcGIS License Manager 2019.0 Setup х Master Agreement You must agree with the master agreement below to proceed. Master Agreement (E204CW) Revised October 12, 2018 IMPORTANT-READ CAREFULLY Unless superseded by a signed license agreement between you and Esri, Esri is willing to provide Esri Offerings and Services to you only if you accept all terms and conditions contained in this Agreement as the sole and final agreement of the parties regarding your acquisition of uese Feri Offerings and Services Please read the terms and conditions I accept the master agreement Print I do not accept the master agreement Agreement PDFs (all languages) <Back Next > Cancel

Select 'I accept the master agreement' then click Next.

🛃 ArcGIS L	icense Manager 2019.0 Setu	p		×
Destinat	on Folder			
Select a	folder where the application w	ill be installed.		
P	Install ArcGIS License Manag	jer 2019.0 to:		
	C:\Program Files (x86)\ArcG	[S\LicenseManager\		Change
		< Back	Next >	Cancel

Browse to your preferred destination folder or use the one suggested and click Next.



🖟 ArcGIS License Manager 2019.0 Setu	р		×
Ready to Install the Program			
The wizard is ready to begin installation	ı.		
Click Install to begin the installation.			
If you want to review or change any of exit the wizard.	f your installation s	ettings, click Back. (Click Cancel to
	< Back	Install	Cancel

Click Install.

Please wait – the process may take several minutes.



Click Finish and the ArcGIS License Server Administrator will open.

Authorizing a Network license

Server Administrator - 2	019.0	- 0	×
ArcGIS (NCN-PC2) Configure Configure Authorization Diagnostics	To use Concurrent Use products and extensions, you r on your license server and start the service. To authorize your products and extension, please sele and then click 'Authorize Now' below to start the Softw	nust first authorize them ct the version to license are Authorization Wizard	I.
	Version 10.1-10.7 Pro 1.4-2.4 Named User CE 2012-2019 10.0 9.x		
	To remove licenses from your license server click De Deauthorize	eauthorize:	
	Generate a configurati Machine IDs Genera	on file for Portal 10.6: te	
Help License Server Status: RUN	IING OK	Cancel Apply	(

Select the version relevant for the MIKE product that you wish to install. For example, select version 10.1-10.7 for

MIKE URBAN in version 2020 then click 'Authorize Now ...'

To find out which version of ArcGIS Desktop goes with which version of MIKE, see below link:

http://faq.dhigroup.com/default.asp?module=Installation+/+Hardware&ID=379#answer

Software Authorization Wizard	×
Authorization Options You must authorize the license server prior to use. Select from the options below.	
Authorization Options	
I need to authorize licenses on my license server.	
I have already authorized core licenses and need to authorize additional extensions.	
I have received an authorization file and am now ready to finish the authorization process.	
Browse	
Product to be Authorized	
ArcGIS Desktop	
O ArcGIS Pro	
O ArcGIS Engine	
O Esri CityEngine	
O ArcGIS LocateXT	
< Back Next > Can	cel

If you wish to authorize for the first time, select the above options and click Next.

Authorization Method Select the method you want to use to authorize the software.
Authorize with Earl now using the Internet. (This automatic method is the easiest way to authorize. It requires an Internet connection.) Authorize at Earl's website or by email to receive your authorization file
Authorize at Esri's website or by email to receive your authorization file
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Authorize your software from a local license server.



Select the above option and click Next

oftware Authorization Wizar	d
Authorization Information We will use the following the software. (* required	n jinformation to verify our records and authorize your use of field)
*First Name:	Yan
*Last Name:	Chen
*Organization:	DHI
Department:	
*Address 1	Agem Allé 5
Address 2:	
Address 2.	Horebolm
City:	NA NA
"State/Province:	0750
*Zip/Postal Code:	2750
*Location:	Denmark 👻
*Phone Number:	45169249
*Email:	chy@dhigroup.com
Comment:	
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Fill in the necessary information and click Next

Software Authorization Wizard	<u> </u>
Software Authorization Number Enter the authorization number for your	software product.
The authorization number consists of three ABC123456789.	e letters and a series of numbers; similar to
ArcGIS Desktop Advanced	No. of Licenses
ArcGIS Desktop Standard	
ArcGIS Desktop Basic	1
	< Back Next > Cancel

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

• ArcGIS Desktop Advanced or Basic are NOT for use with MIKE software

Then Click Next

ons N.	
ny extensions at this time.	
(s) to authorize one or more extens	sions.
Authorization Number	No. of Lice
EEL 729850086	1
E1 E12000000	
	ns w. y extensions at this time. (s) to authorize one or more extens Authorization Number EFL729850086



If you have purchased any extensions for MIKE that requite special ArcGIS extensions, you must also authorize these with an EFL code provided for the extension(s). Please enter them as shown above. If not, choose 'I do not want to authorize any extensions at this time'. Then click Next.

Software Authorization W	izard (Not Responding)				
Authorizing Software					
✓	Validating with License Server				
	Authorizing software				
	-				
	< Back Finish Cancel				

The authorization process may take a couple of minutes.



When the authorization has been completed, click Finish and the ArcGIS License Server Administrator will open.

Click the Availability option from the menu, and you will see which licenses you have available.

Connecting to the ArcGIS license

Before connecting you must install the DHI License Management and the relevant MIKE software product on your PC. The installation also includes the installation of ArcGIS with necessary service packs. Instructions are available separately.

When installed, from the Start Menu open the ArcGIS Administrator

Construction Construction	Select the software product to be used for ArCGIS Desktop applications:
---	---

Under Desktop, select

• Standard (ArcEditor) Concurrent Use for MIKE URBAN

Then click Change

License Manager License Manager Browse for a License Manager on the network or enter one or more License Managers separated by ";". To specify a port use the <port>@<host> syntax.</host></port>				
Not_Set	Browse			
	OK Cancel			

Click Browse and browse to your local PC where you just installed the ArcGIS License Server Administrator.





Click OK.

ArcGIS (APC886) Besktop Availability Borrow/Return	ArcGIS Desktop Standard (Concurrent Use) These are the licenses currently accessible from the license server you specified:				er you specified:
Data Licenses	Feature	Version	Expires	Licenses	Available
	Desktop Standard 3D Analyst	10.1-10.5 10.1-10.5	13-apr-2 13-apr-2	1	1
Help	Refresh	[ОК	Cancel	Apply

From the Availability option in the menu, you will see the licenses that are available.

After connecting to the DHI license file through the DHI License management, you should be ready to use MIKE URBAN.

Troubleshooting

If you get an error message saying "xxx' is an invalid hostname" when you enter the name of the license server in the ArcGIS administrator, it is most likely caused by network connection problems between the client machine and the license server. Please check the following:

- 1. Did you spell the name of the license server correctly?
- That the license server is started and running, by opening the server administrator application
- That you have a connection to the server by using the 'Ping' command from a command line prompt or by

browsing to it with Windows Explorer

 If this is OK the problems are most likely caused by the firewall configurations on the network path and you should be able to get help from your local IT department.

Further information on the license manager and its configuration please refer to the reference guide document on the USB flash drive: ArcGIS10.5/DHIInstallInstructions

Appendix A – How to verify connection on a specific port

Connection problems are often caused by certain ports being blocked by a firewall. The license manager uses the ports 27000 to 27009. Please refer to the license manager reference manual on how to configure the use of specific ports.

To check the connection on specific ports, the method described below procedure may be used.

- 1. Enable the TELNET program on the client PC, either by the control panel of the command line:
 - pkgmgr /iu:"TelnetClient" or
 - dism /online /Enable-Feature /FeatureName:TelnetClient







2. Open a command window and start the TELNET program



 Try opening a connection with the command: 'o hostname [port]', to test for connection. (If the license server is named 'license' and the port is 27004 the command should read: o license 27004)



In case the port is not open you will see the following error message.

