

CivilFEM 2025 for ANSYS

Installation guide

- [1. - Introduction](#)
- [2. - Hardware and Software Requirements:](#)
 - [2.1.- Platform and Operating Systems](#)
 - [2.2. - Additional Requirements](#)
- [3. - Generating the Identification File for your Server](#)
- [4. - Installation of the CivilFEM license server](#)
- [5. - Installation of CivilFEM 2025 software](#)
 - [5.1. - Selection of license file with network license](#)
 - [5.2. - Selection of license file with local license](#)
 - [5.3. - Update Online](#)

1. - Introduction

In the installation process of the *CivilFEM for ANSYS* software, you have to distinguish two parts: license server and *CivilFEM* software. This installation is completely independent of *ANSYS* installation, although *CivilFEM* needs *ANSYS* to run.

CivilFEM has a license server which purpose is to offer the floating license in a LAN (Local Area Network). Every computer in this local net, working with the *CivilFEM for ANSYS* installed, can execute the software obtaining CivilFEM licenses from the machine of our net in which the license server has been installed. It is advisable that both *ANSYS* and *CivilFEM* license servers are installed in the same machine to centralize all of the licenses needed to execute the *CivilFEM for ANSYS* software. It is recommended that the server computer is always switched on, so the *CivilFEM for ANSYS* licence can always be available in the net.

2. - Hardware and Software Requirements:

2.1.- Platform and Operating Systems

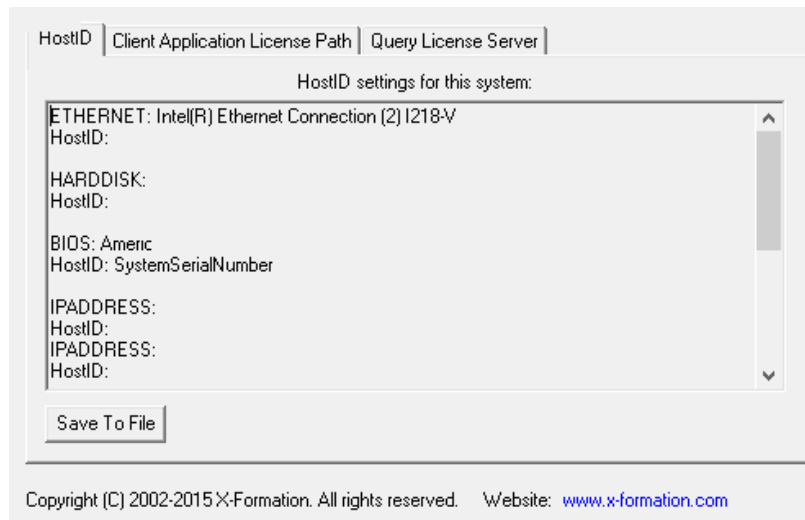
PLATFORM	OPERATING SYSTEM
Intel EM64T / AMD64	Windows 10 x64
Intel EM64T / AMD64	Windows 11 x64

2.2. - Additional Requirements

- *CivilFEM 2025 for ANSYS* now supports these versions of **ANSYS**: 2025 R1, 2024 R2, 2024 R1, 2023 R2, 2023 R1, 2022 R2, 2022 R1, 2021 R2, 2021 R1, 2020 R2, 2020 R1, 2019 R3, 2019 R2, 2019 R1, 19.2, 19.1, 19.0, 18.2, 17.1, 16.1, 14.5.
The support for the older versions of *ANSYS* has been split into a different installer called "*CivilFEMSupportForOldANSYS.exe*", which is only needed for the support of versions: 14.5, 16.1, 17.1, 18.2, 19.0, 19.1, 19.2, 2019 R1, 2019 R2, 2019 R3.
The main installer supports the latest versions: 2020 R1, 2020 R2, 2021 R1, 2021 R2, 2022 R1, 2022 R2, 2023 R1, 2023 R2, 2024 R1, 2024 R2, 2025 R1.
Ask Ingeciber for support of any other version.
- To run *CivilFEM*, **Mechanical APDL (ANSYS)** must be installed.
- In order to install, you must have administrator's privileges.
- It is advisable to have a 3D graphic card with updated **OpenGL** drivers.
- **Net card and TCP/IP net protocol** (a static IP direction is recommended for license server) in every machine in where you want to run the *CivilFEM for ANSYS* software.
- **4 GB** space is needed in the hard disk.
- A minimum of **4 GB of RAM** is needed to run this version.

3. - Generating the Identification File for your Server

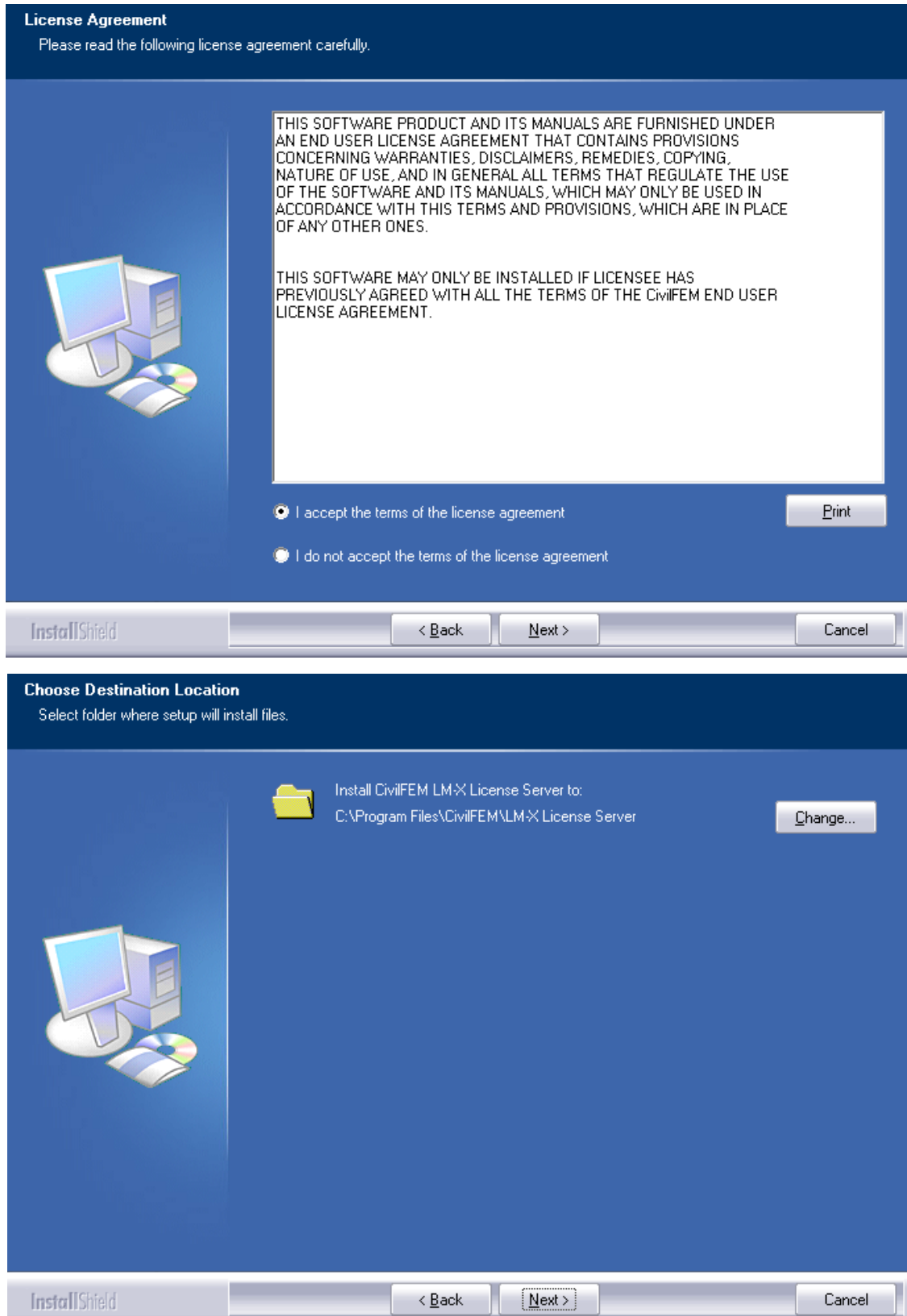
In the case, your license is linked to your server, then you must get the identification file through the *LM-X Configuration Tool*. This application is available at the following URL: <http://www.civilfem.com/download/lmxconfigtool.exe>.



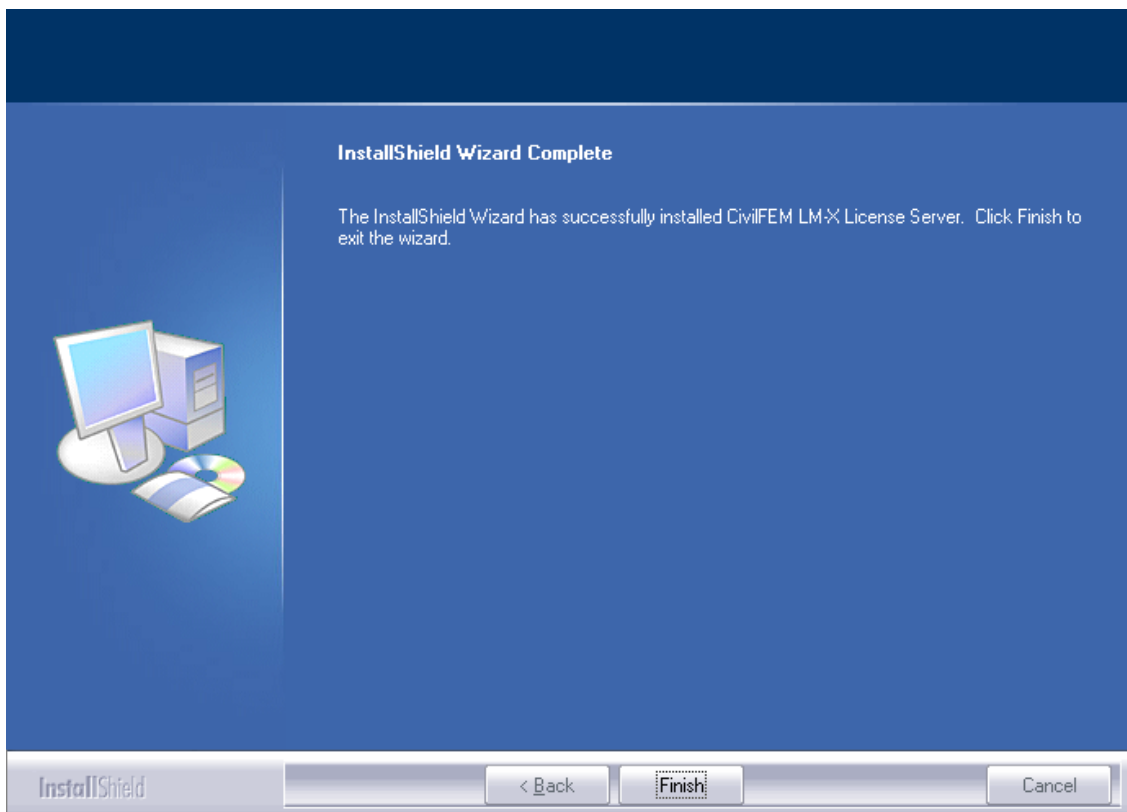
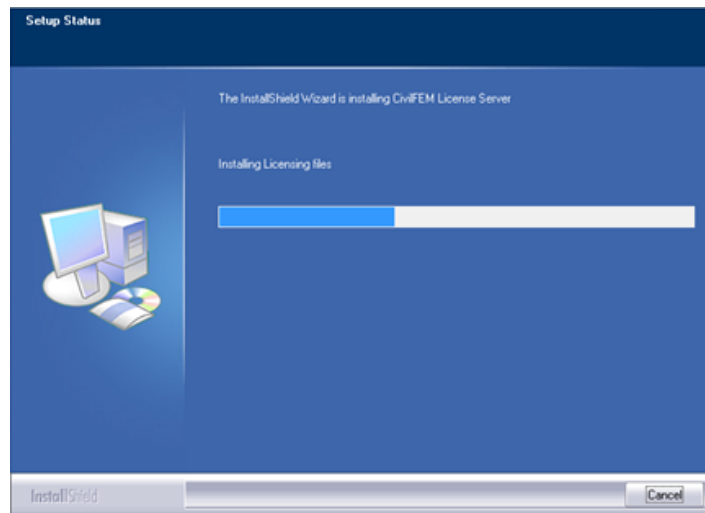
Just press the *Save to file* button and then will be generated a file which you must send to your supplier. This file is used to generate the license linked to the machine used as server CivilFEM.

4. - Installation of the CivilFEM LM-X License Server

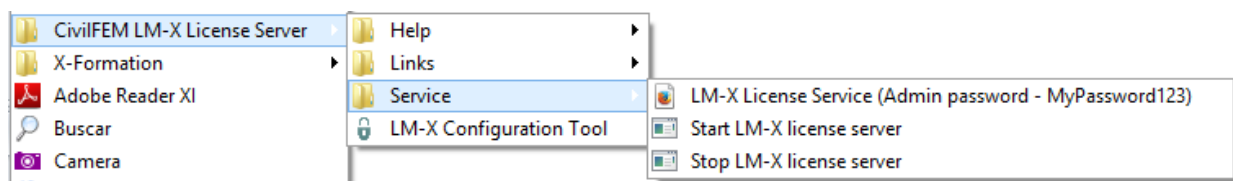
Download and run the CivilFEM LM-X License Server. After accepting the license contract, the following dialog is shown where you can choose the installation directory of the license server (it is advisable to leave the default path).



Further installation process:



After the installation of CivilFEM License Server, new items become available on the **Start Menu**:



The server works as a Service and has to be started to be used. When the service is active, use the **link** LM-X License Service (Admin password – MyPassword123) to install or update **network license keys** and to change the default password, selecting the Administration tab and Misc tab. Then set the new password and save (you may be asked to restart the server).

Dashboard	HostIDs	License Usage	Log File	Administration
License Management	High Availability Licensing	Pay Per Use	Logging	Configuration File
				Misc

This page lets you modify the TCP Listen Port, Remote Access Password and Minimum Time for User Removal. Save

Configuration

TCP Listen Port:

Remote Access Password:

Confirm Password:

☒ Enable User Removal

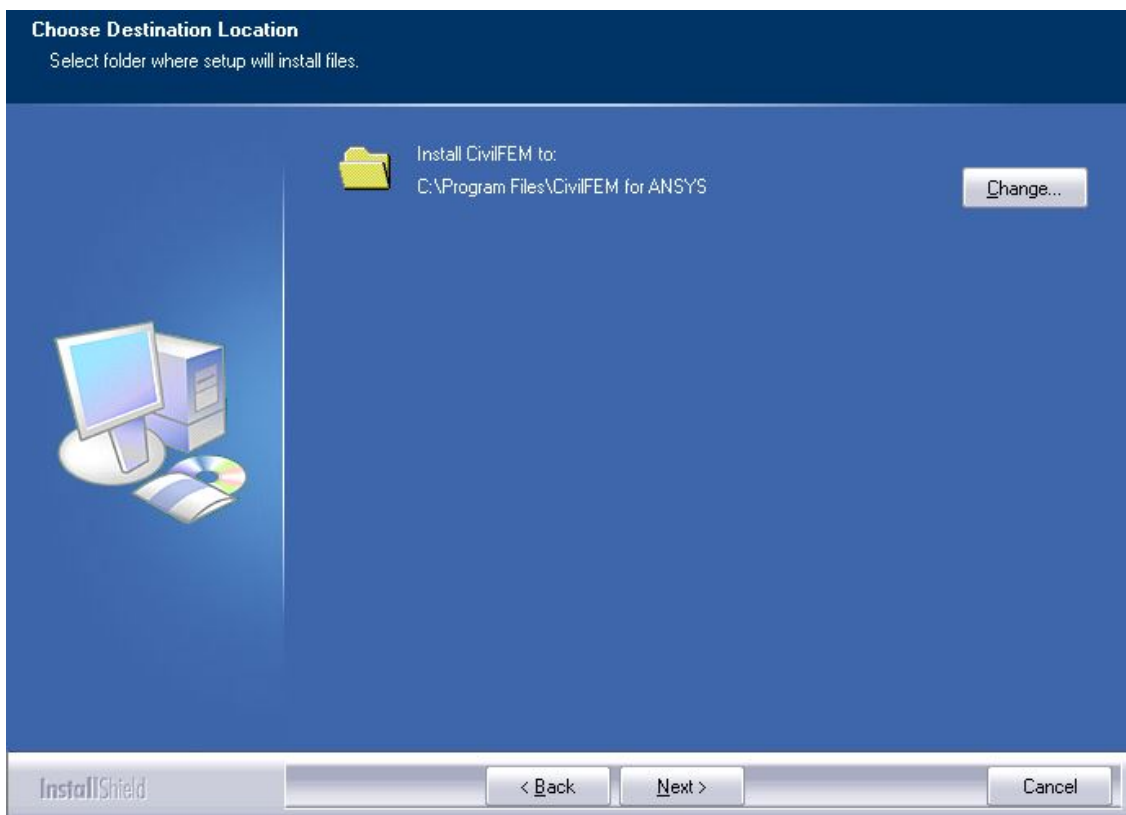
Minimum Time for User Removal:

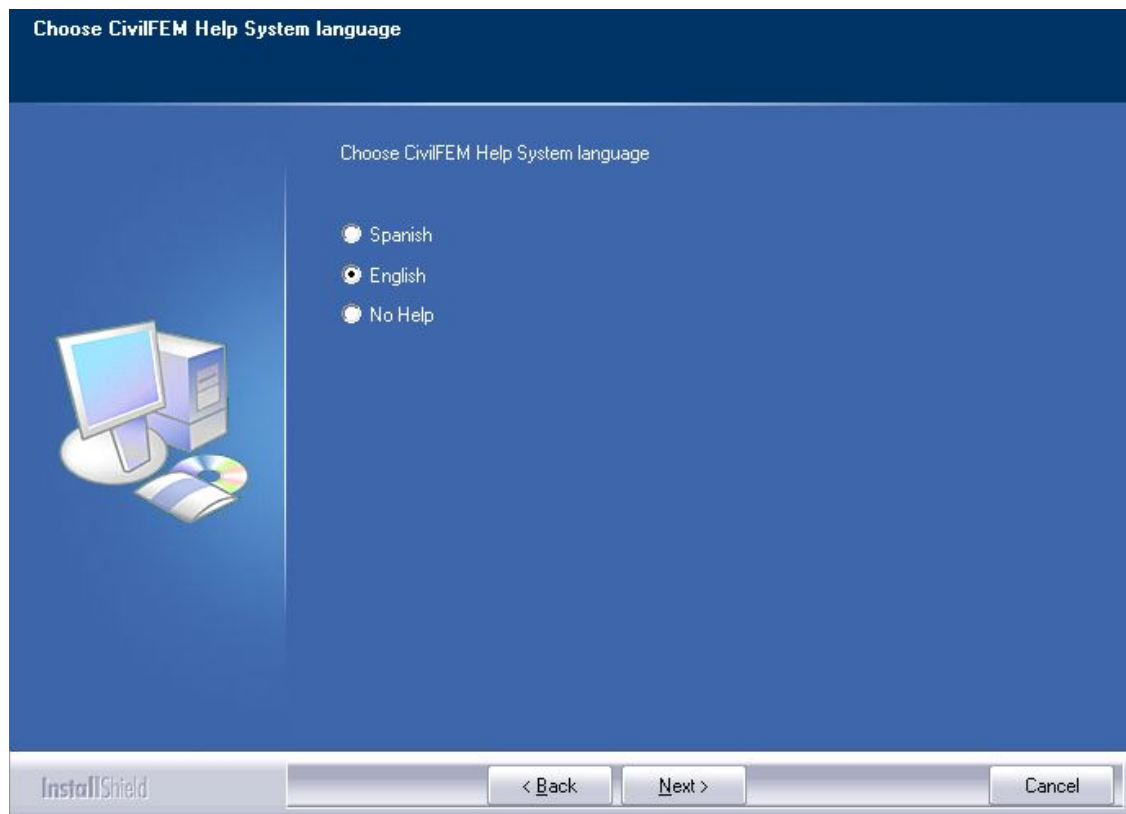
Note: The web-based UI needs Java installed.

Note: LM-X Server uses port 6200 by default. This port must be opened.

5. - Installation of CivilFEM 2025 software

Download and run the CivilFEM installation. After accepting the license agreement, you can choose the installation path and the CivilFEM's help language:

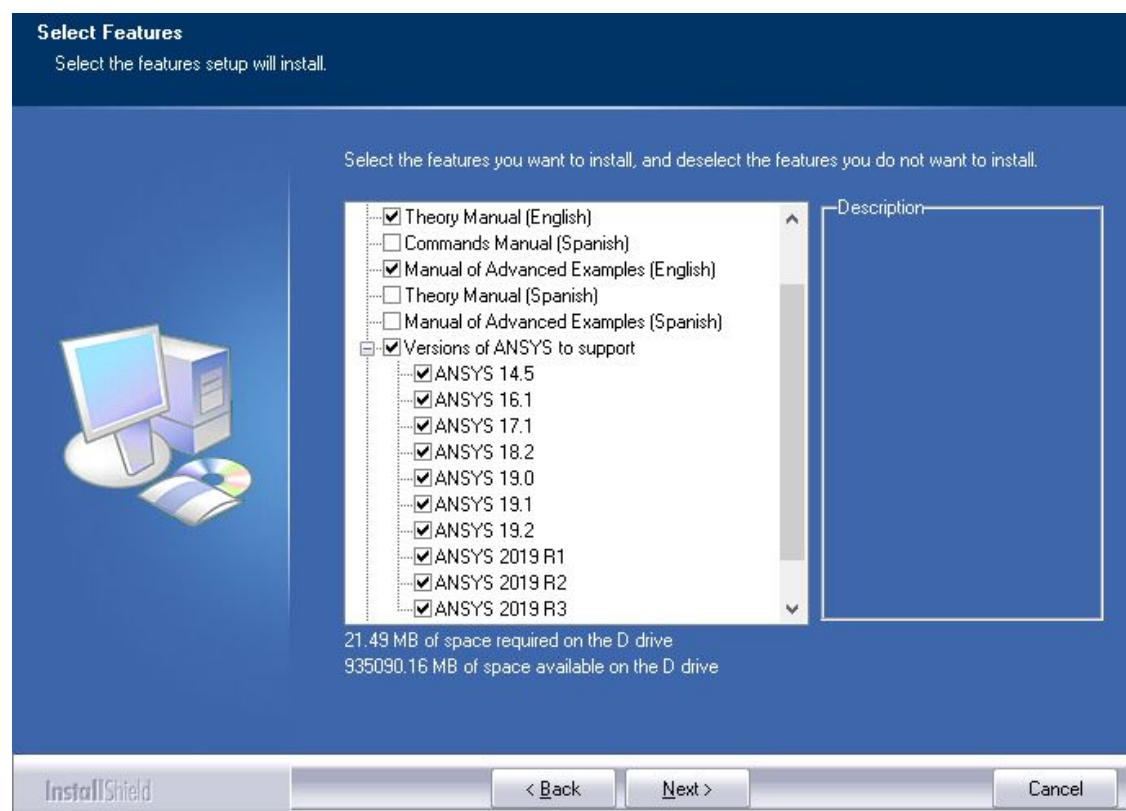




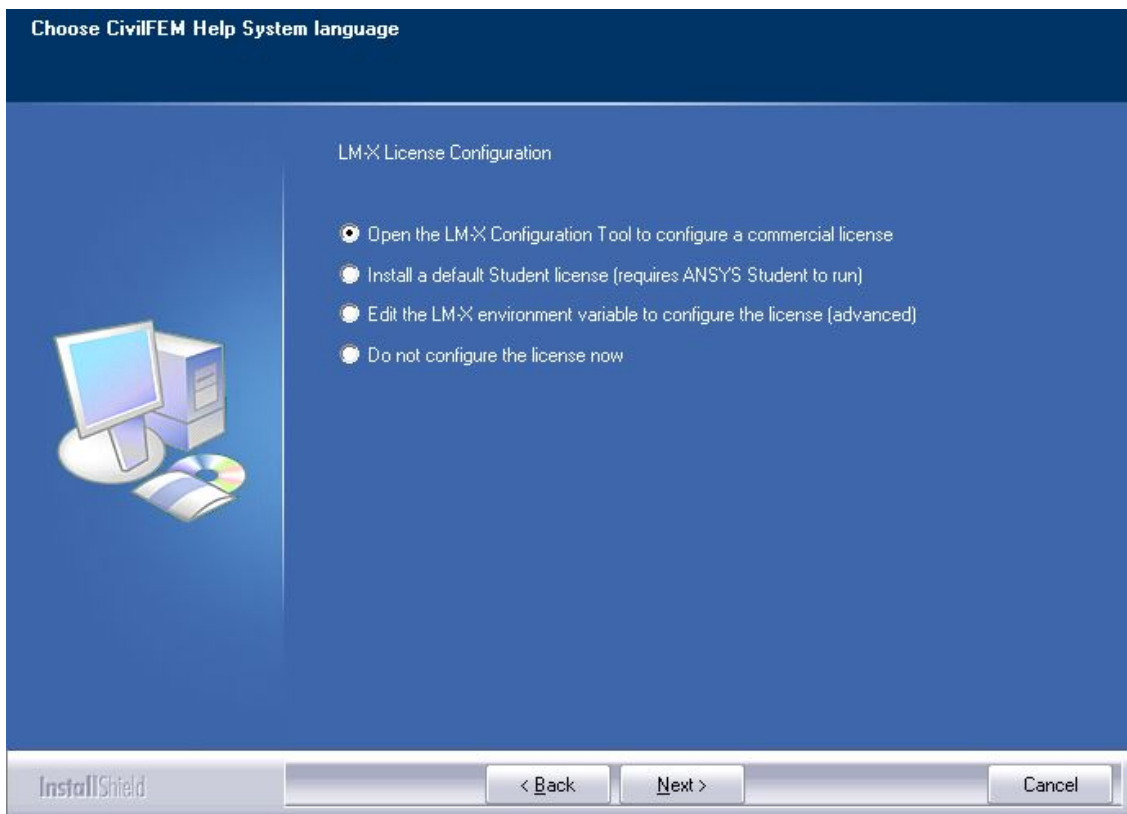
Then you may select the components to install and the ANSYS versions that will be supported (in case you have several versions of ANSYS installed on your computer or plan to install them). You can always re-run the installation to modify the installed components. This version of CivilFEM can run with the following ANSYS versions: 2025 R1, 2024 R2, 2024 R1, 2023 R2, 2023 R1, 2022 R2, 2022 R1, 2021 R2, 2021 R1, 2020 R2, 2020 R1, 2019 R3, 2019 R2, 2019 R1, 19.2, 19.1, 19.0, 18.2, 17.1, 16.1, 14.5.

The support for the older versions of ANSYS has been split into a different installer called "CivilFEMSupportForOldANSYS.exe", which is only needed for the support of versions: 14.5, 16.1, 17.1, 18.2, 19.0, 19.1, 19.2, 2019 R1, 2019 R2, 2019 R3.

The main installer supports the latest versions: 2020 R1, 2020 R2, 2021 R1, 2021 R2, 2022 R1, 2022 R2, 2023 R1, 2023 R2, 2024 R1, 2024 R2, 2025 R1.



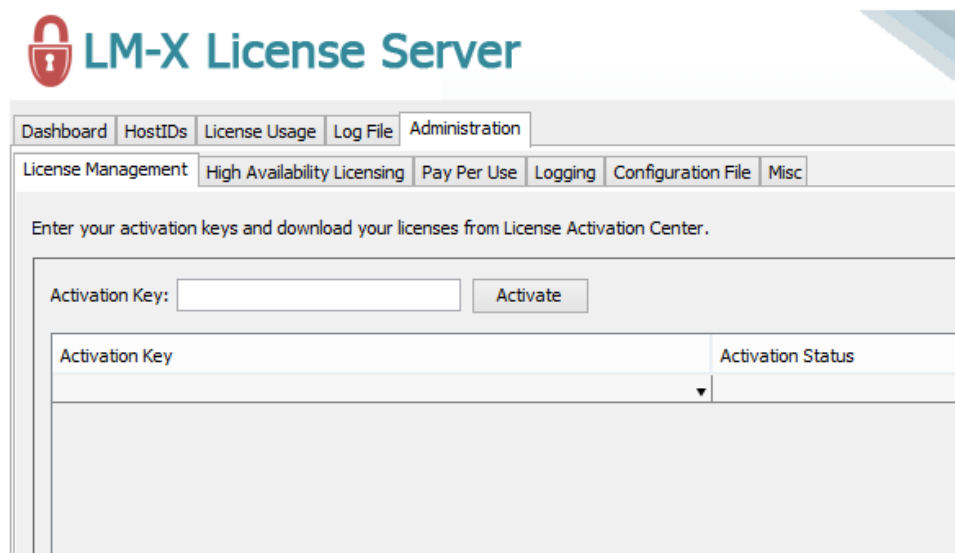
After copying the files, you will be prompted for setting up the license:



5.1. - Selection of license file with network license

LM-X License Server has a web-based application, that needs Java installed, used to administer CivilFEM Licenses. It can be accessed by typing "localhost:6200" in a web browser or use the link provided in the start menu.

To add licenses, select the **Administration** panel and push the "**Upload License File**" button:



LM-X License Server

Dashboard HostIDs License Usage Log File Administration

License Management High Availability Licensing Pay Per Use L

Enter your activation keys and download your licenses from Licen

Activation Key:

Activation Key

Filename

You may be asked to restart the server. After doing it, you can see the loaded licences selecting “License Usage” tab and “View Features”:

 **LM-X License Server**



Feature	Version	Vendor	Start Date	Expire Date
Advanced_Addon_FreeOfCharge_until_Oct_2015	0.91	INGECIBER	2015-03-13	2015-03-16
CivilFEM_Advanced_2015_4_Cores	0.91	INGECIBER	2015-03-13	2015-03-16
CivilFEM_Advanced_2015_8_Cores	0.91	INGECIBER	2015-03-12	2015-12-31

Client users need to set the server to look for licenses using the **LM-X Configuration Tool** by clicking “Add Network Host”, saving changes and closing:

HostID Client Application License Path Query License Server

Update environment variable LMX_LICENSE_PATH for client applications:

Write only 1 path per line.
Syntax:
Local Path: C:\path\mylicense.lic or C:\directory
Network Host: host%port or @host or port@host

Add File
Add Directory
Add Network Host

Save Changes

Copyright (C) 2002-2015 X-Formation. All rights reserved. Website: www.x-formation.com

Network Host

Host (Name or IP address) Port

myserver 6200

OK Cancel

5.2. - Selection of license file with local license

To use a new local protection software-key, follow these steps.

Run **LM-X Configuration Tool** utility on the computer you want to use the license. Select the "Client Application License Path" tab and push "Add File" button.

HostID Client Application License Path Query License Server

Update environment variable LMX_LICENSE_PATH for client applications:

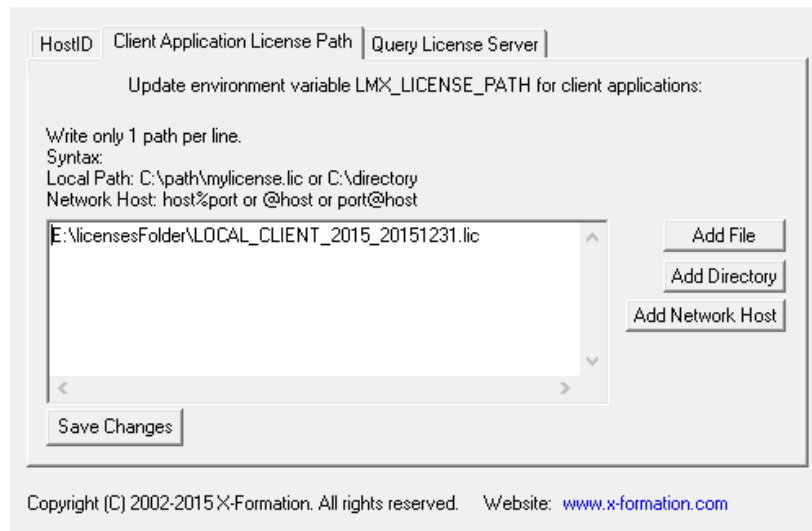
Write only 1 path per line.
Syntax:
Local Path: C:\path\mylicense.lic or C:\directory
Network Host: host%port or @host or port@host

Add File
Add Directory
Add Network Host

Save Changes

Copyright (C) 2002-2015 X-Formation. All rights reserved. Website: www.x-formation.com

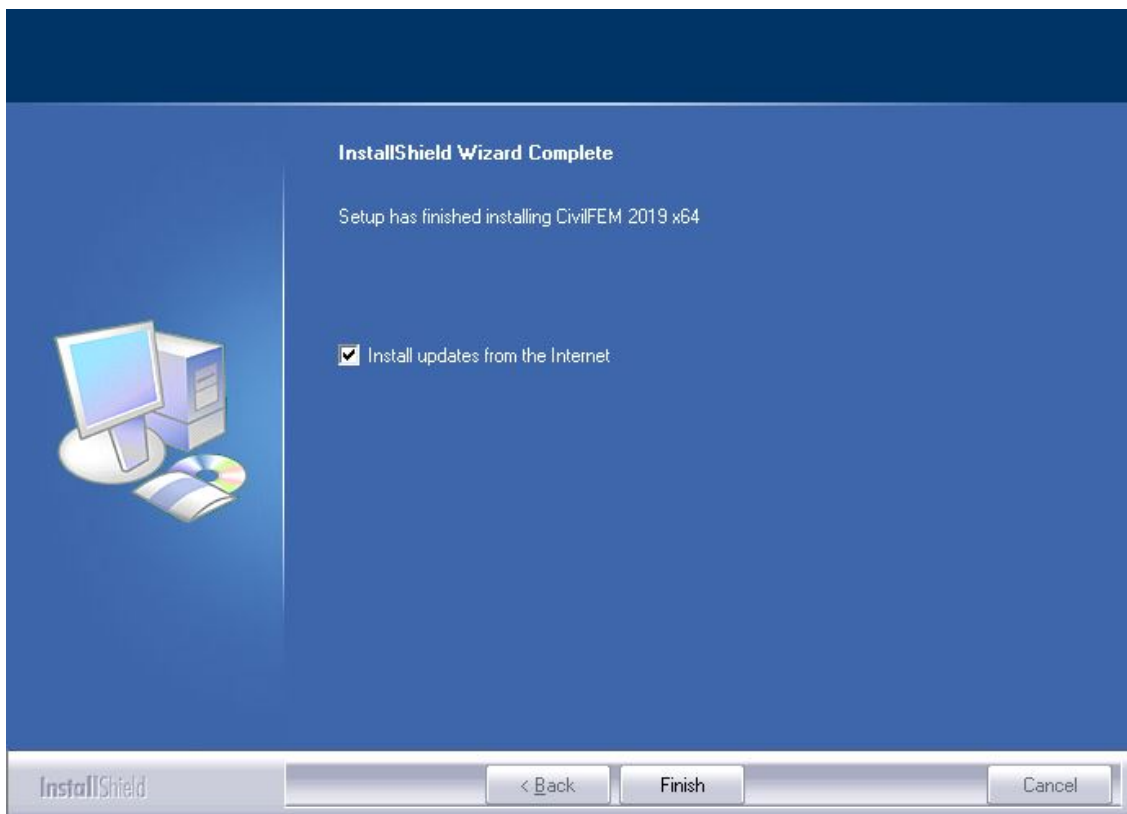
Choose the license file given by Ingeciber and push "Save Changes".



Close the tool and start CivilFEM to see the available licenses.

5.3. - Update Online

After completing the installation process, be given the option to update the *CivilFEM* internet. It is recommended to update.



After updating the software, the installation is finished.