MiTS Intranet Manager Advanced (MIMA) Installation and Setup

Installation · https://mes100.com/docs/mits-intranet-manager-advanced-mima-installation-and-setup/

Starting from MiTS version 3.2, we have launched a new and enhanced MiTS Intranet License Manager engine, referred to as **MiTS Intranet Manager Advanced (MIMA)**.

This latest version features an updated user interface while keeping the familiar functionality for connecting client machines to the server of the previous engine.

This guide outlines the procedure for setting up the license on both the server manager and the client (engineer's machine), **applicable for MiTS 3.2.24.0 and above**.

How to set up a server license manager

Installation of NetKey License Server (NKLS)

1. Download the core **NetKey License Service (NKLS)** from **here**. Extract the folder before installing the application on your server machine.

***Refer to the images below for reference*

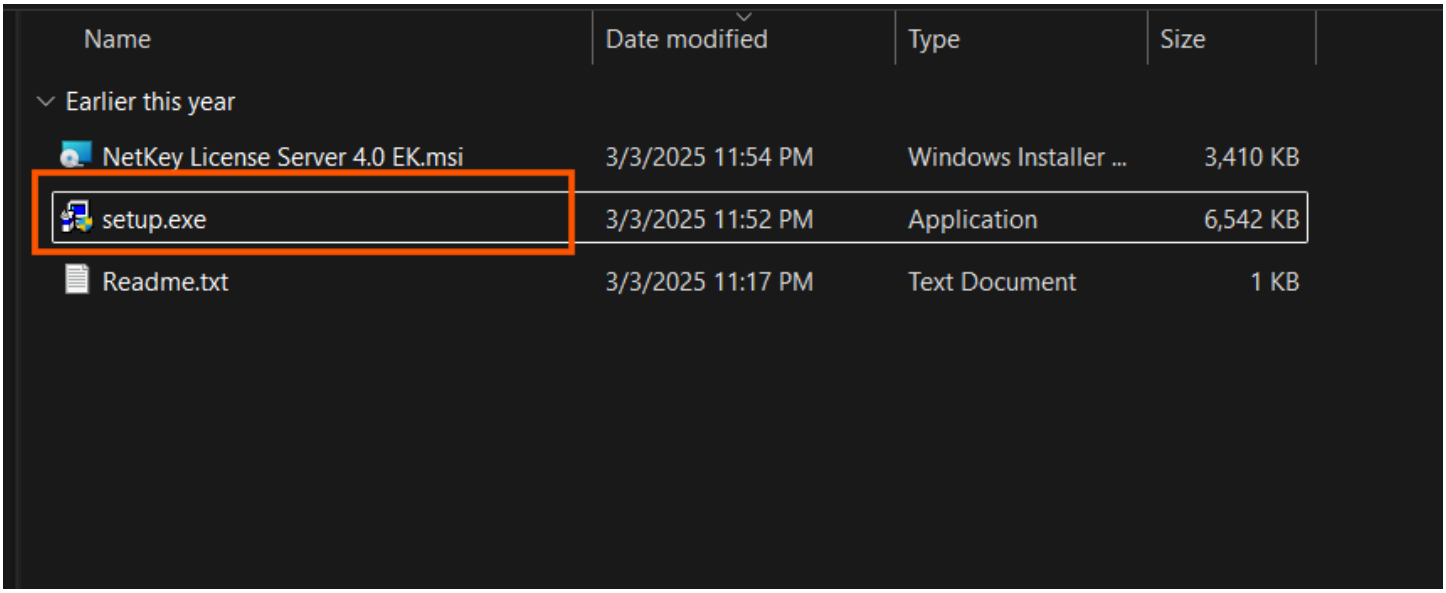


Image 1: Right-click setup.exe and Run as Administrator

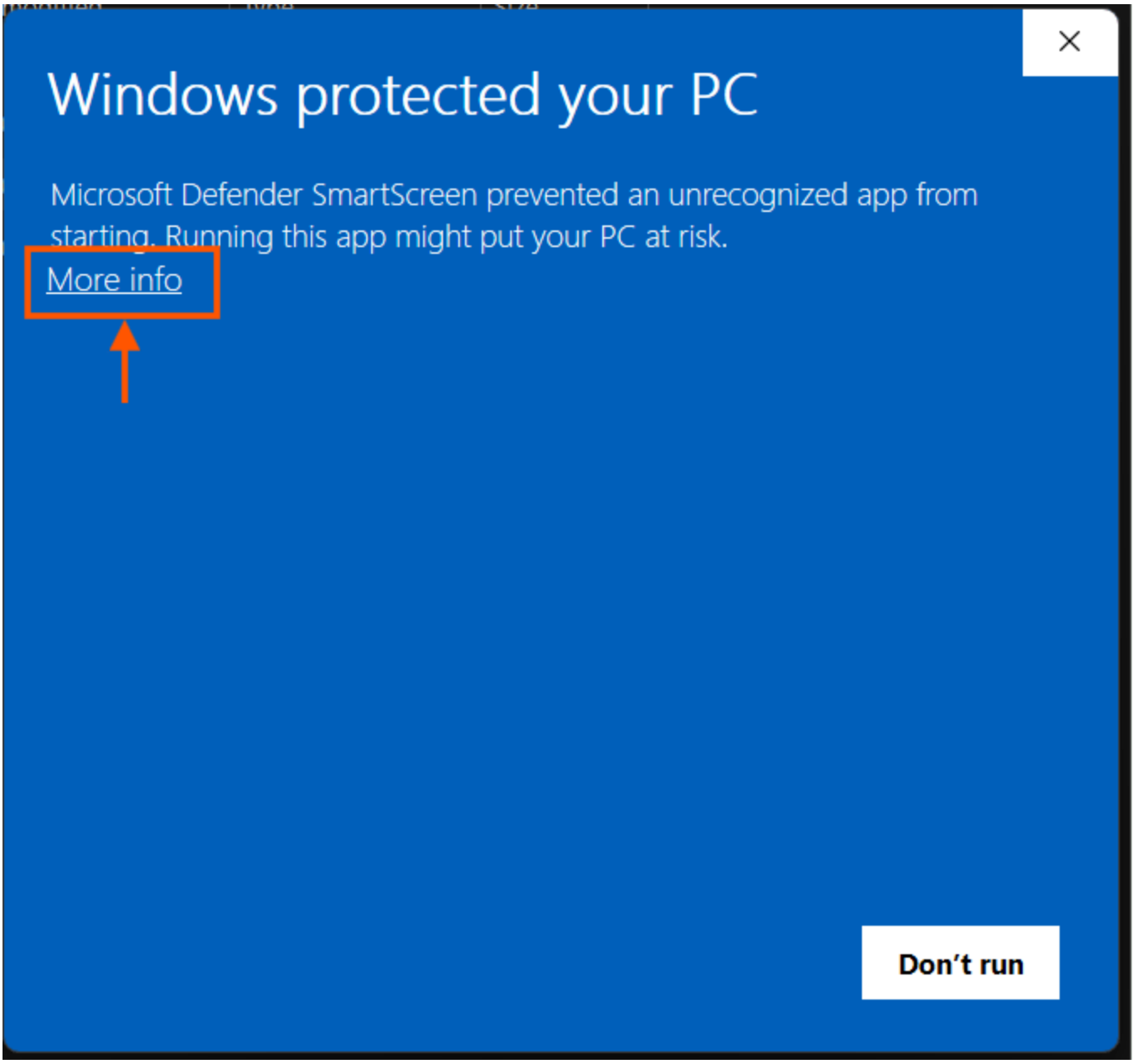


Image 2: Click More Info

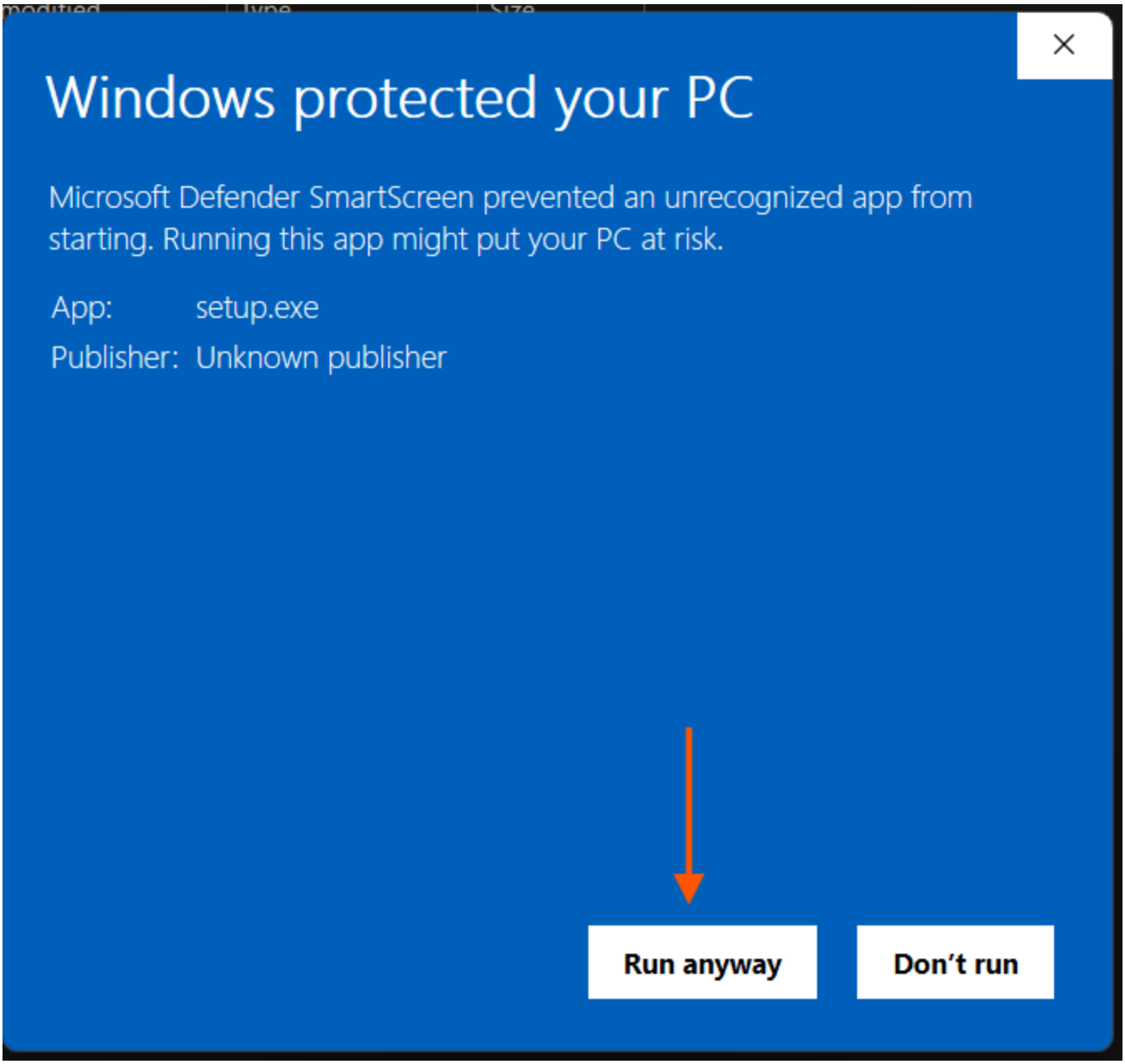


Image 3: Click Run Anyway. Allow apps to make changes to the device by clicking Yes

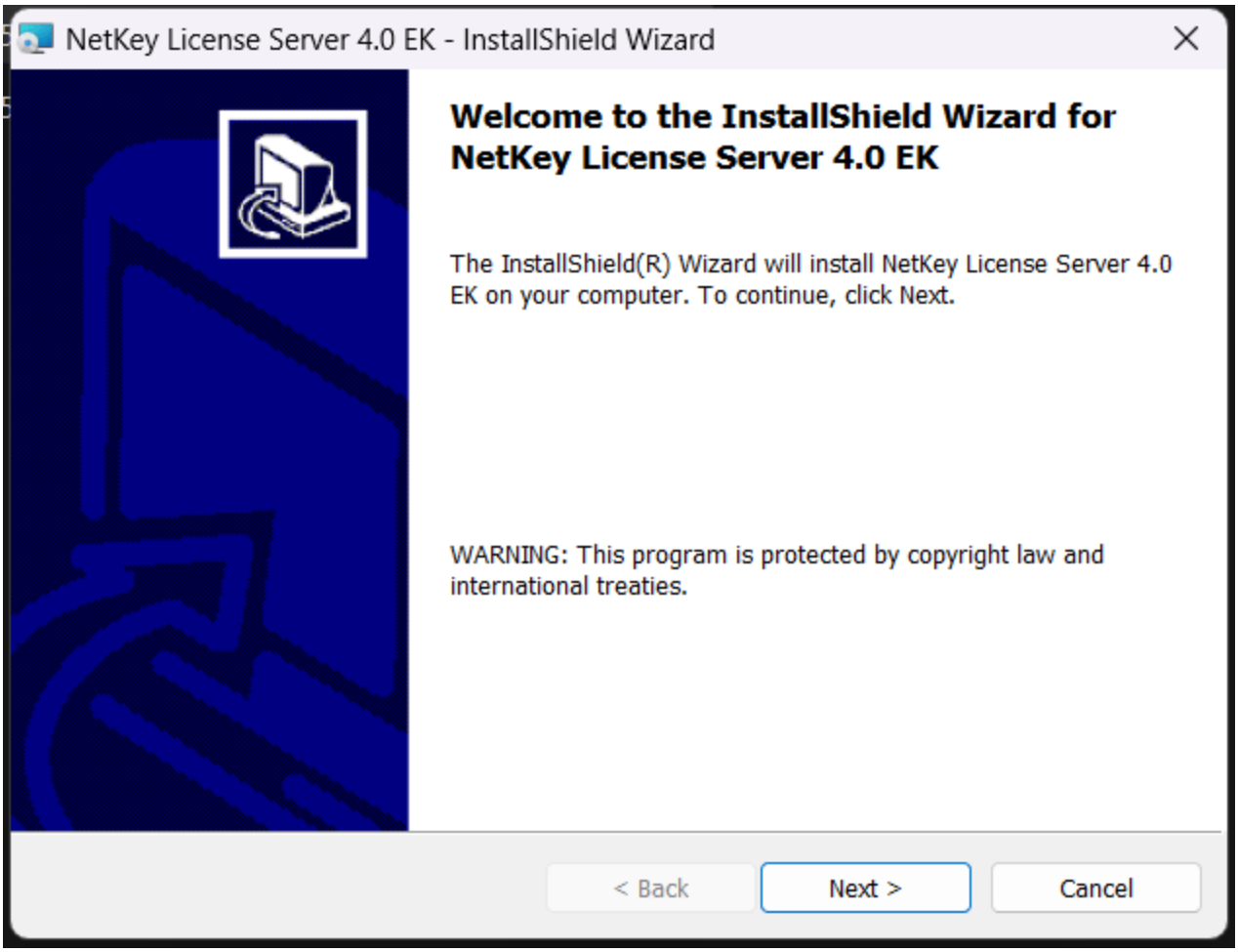


Image 4: Click Next to start the installation of NetKey License Server 4.0 EK

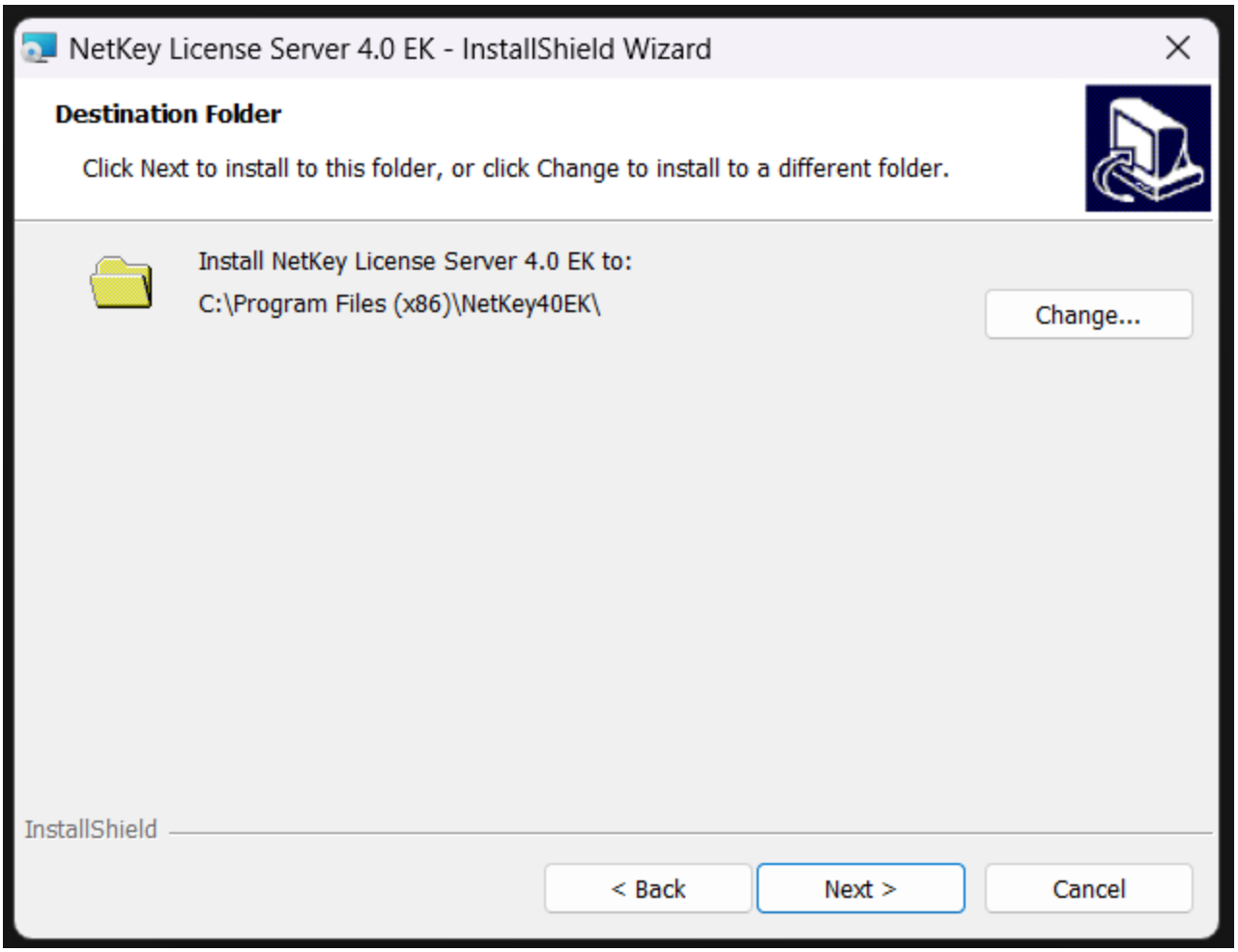


Image 5: Click Next

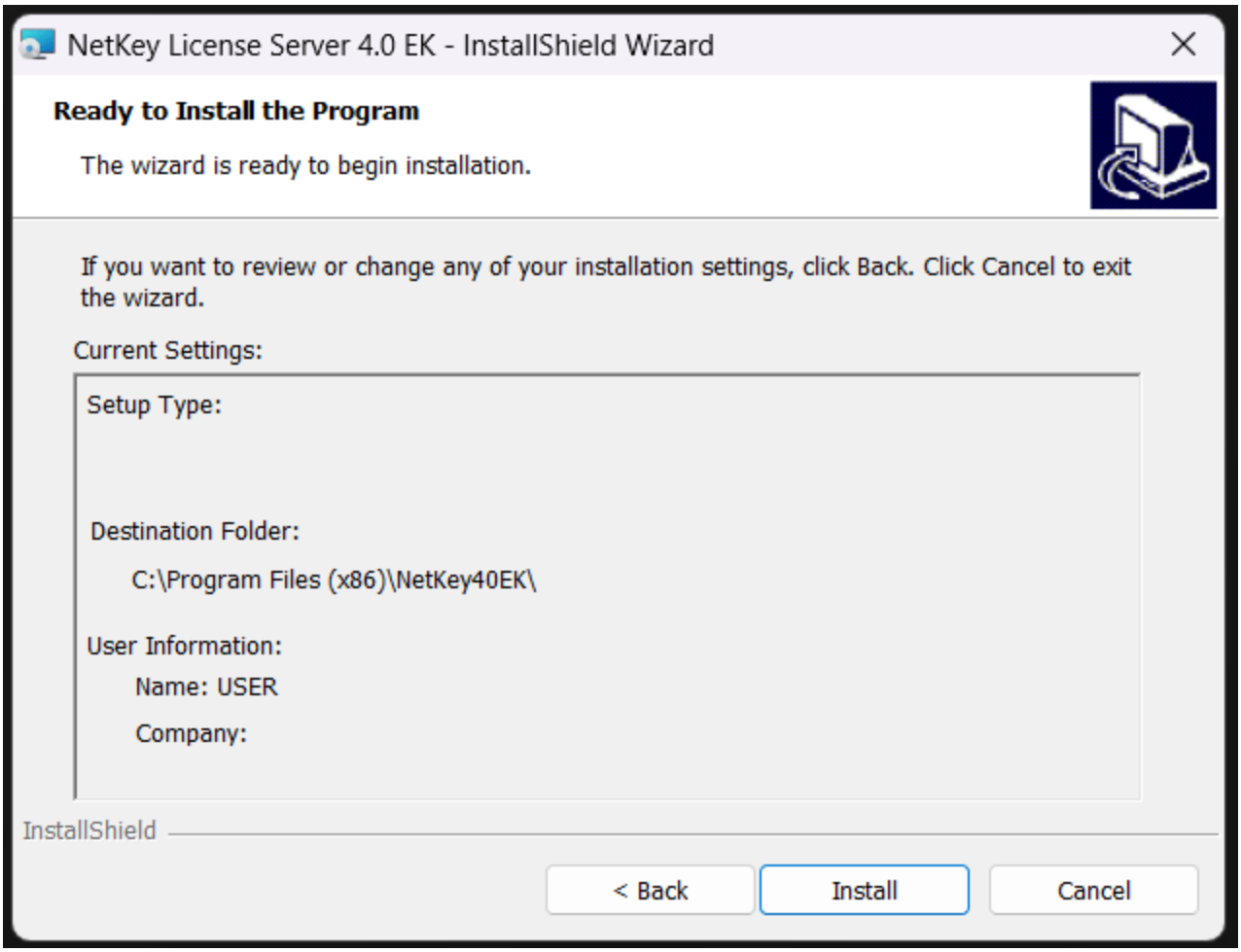


Image 6: Click Install

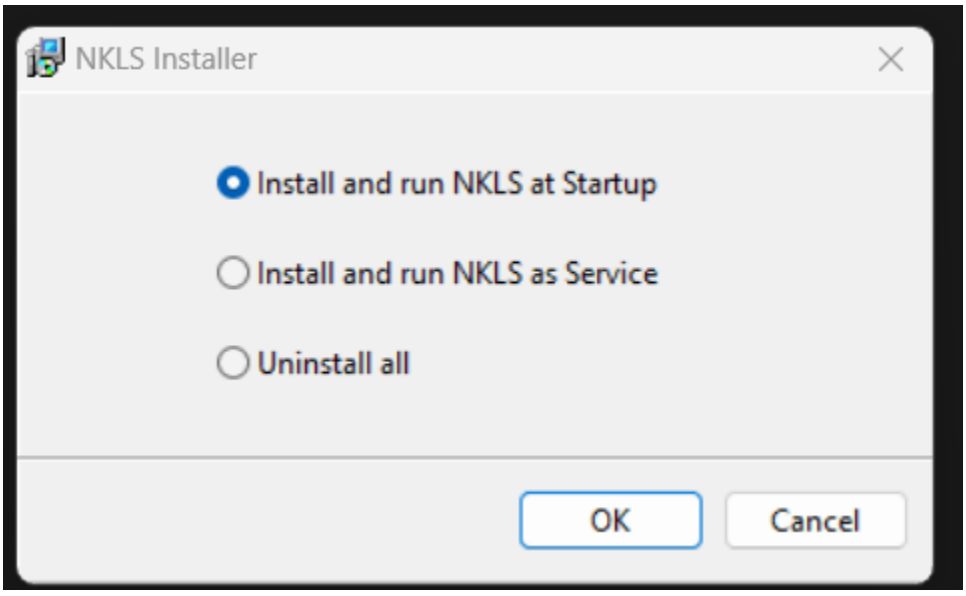
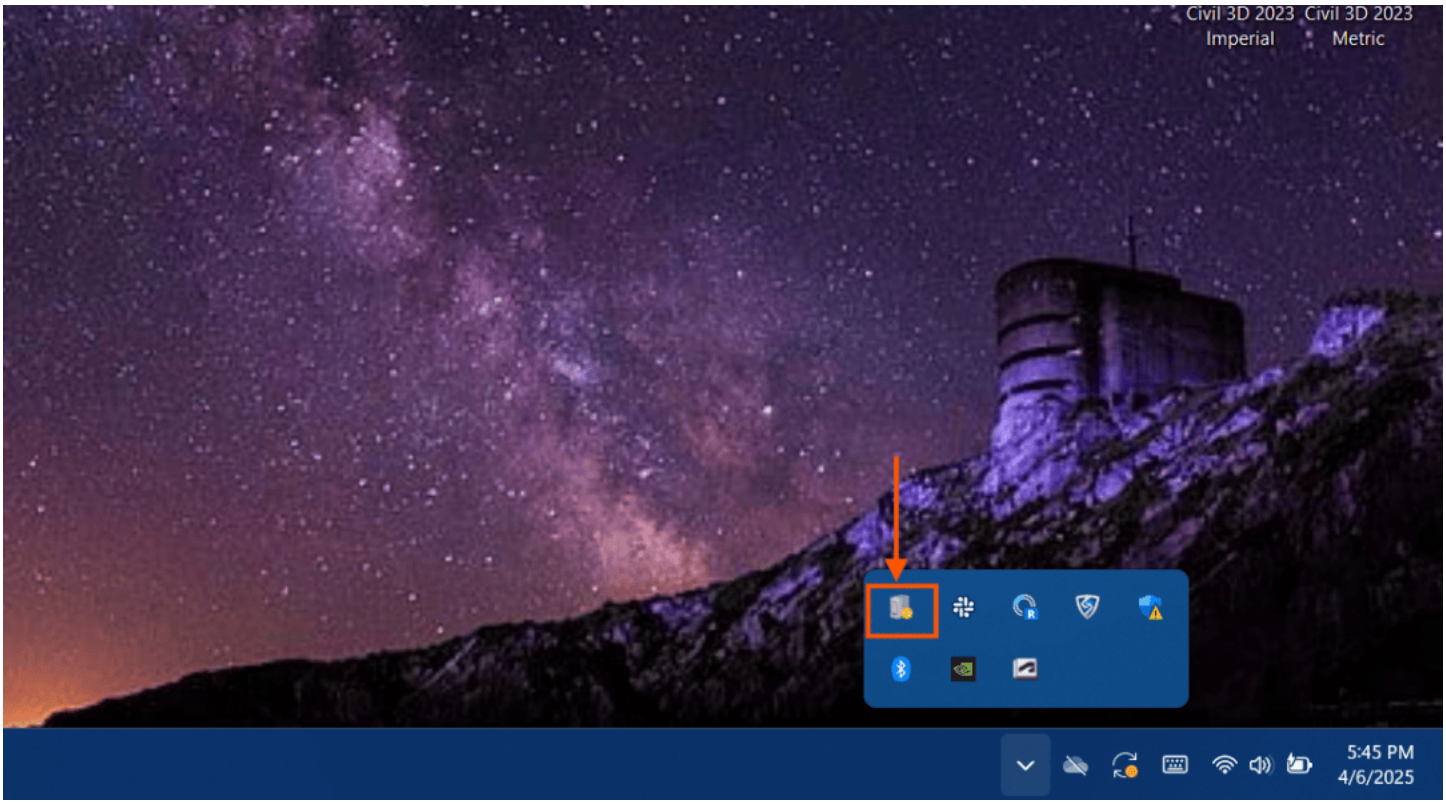


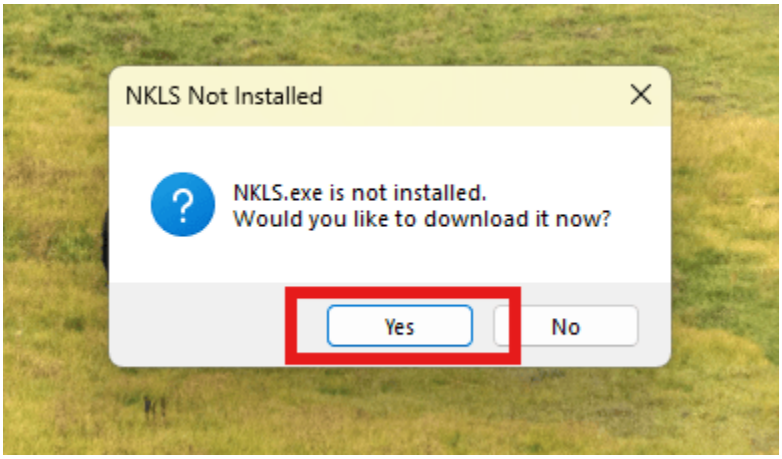
Image 7: Select Install and run NKLS at Startup. Click OK.

2. When launching the program for the first time, a Windows Firewall prompt may appear, indicating the application is being blocked. To proceed, allow the NetKey License Server through the firewall by clicking Allow.

3. After a complete installation, the NetKey License Server will appear in the system tray at the bottom of your screen.



4. If the NKLS is not installed on the machine, a pop-up dialog box will appear notifying the user of this when launching MIMA. Users may proceed by clicking “Yes” in the pop-up dialog box.



Installation of MiTS Intranet Manager Advanced (MIMA)

1. Download the MiTS Intranet Manager Advanced (MIMA) **here** and install the application on your device.

***Refer to the images below for reference*

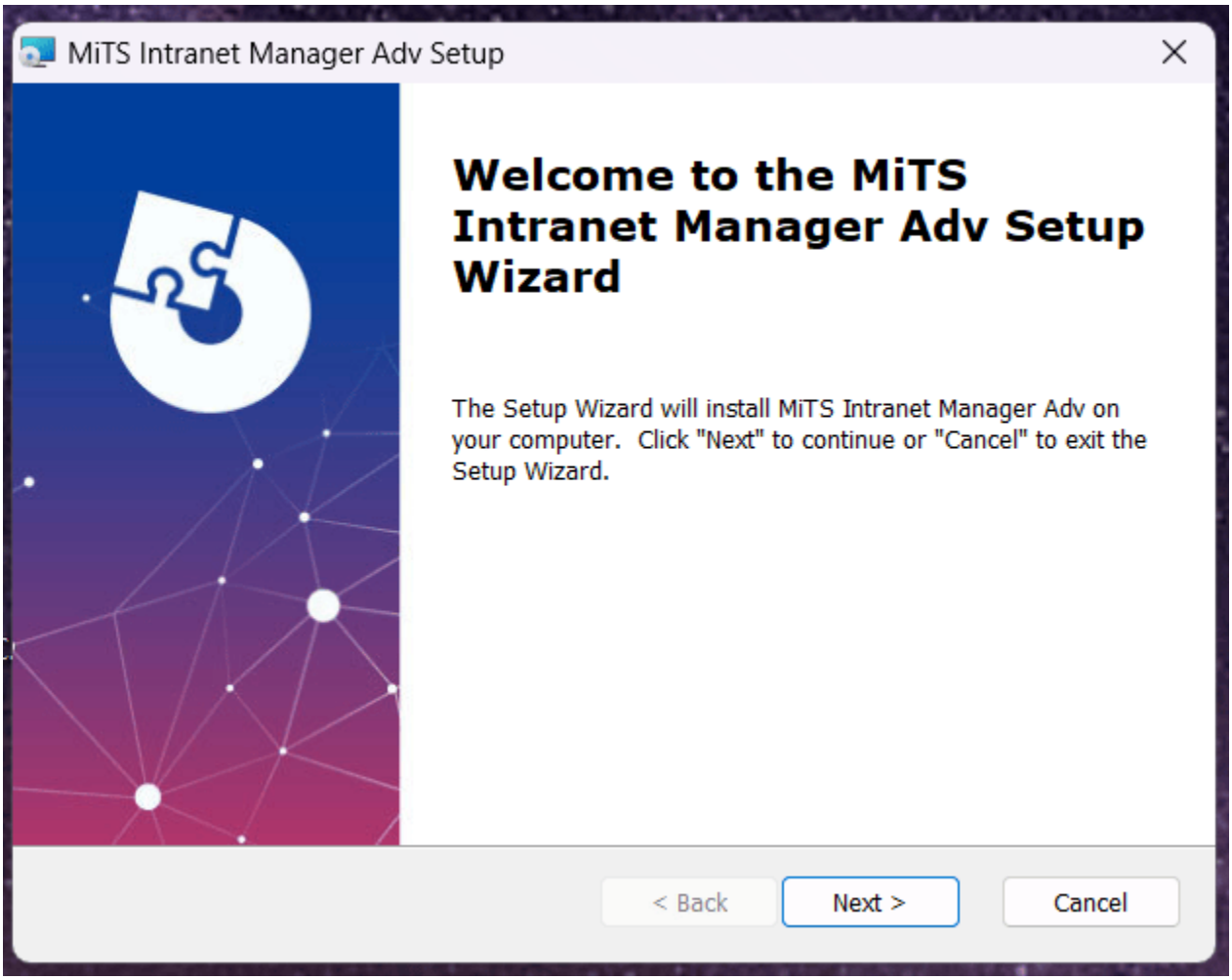


Image 1: Click Next to start the installation

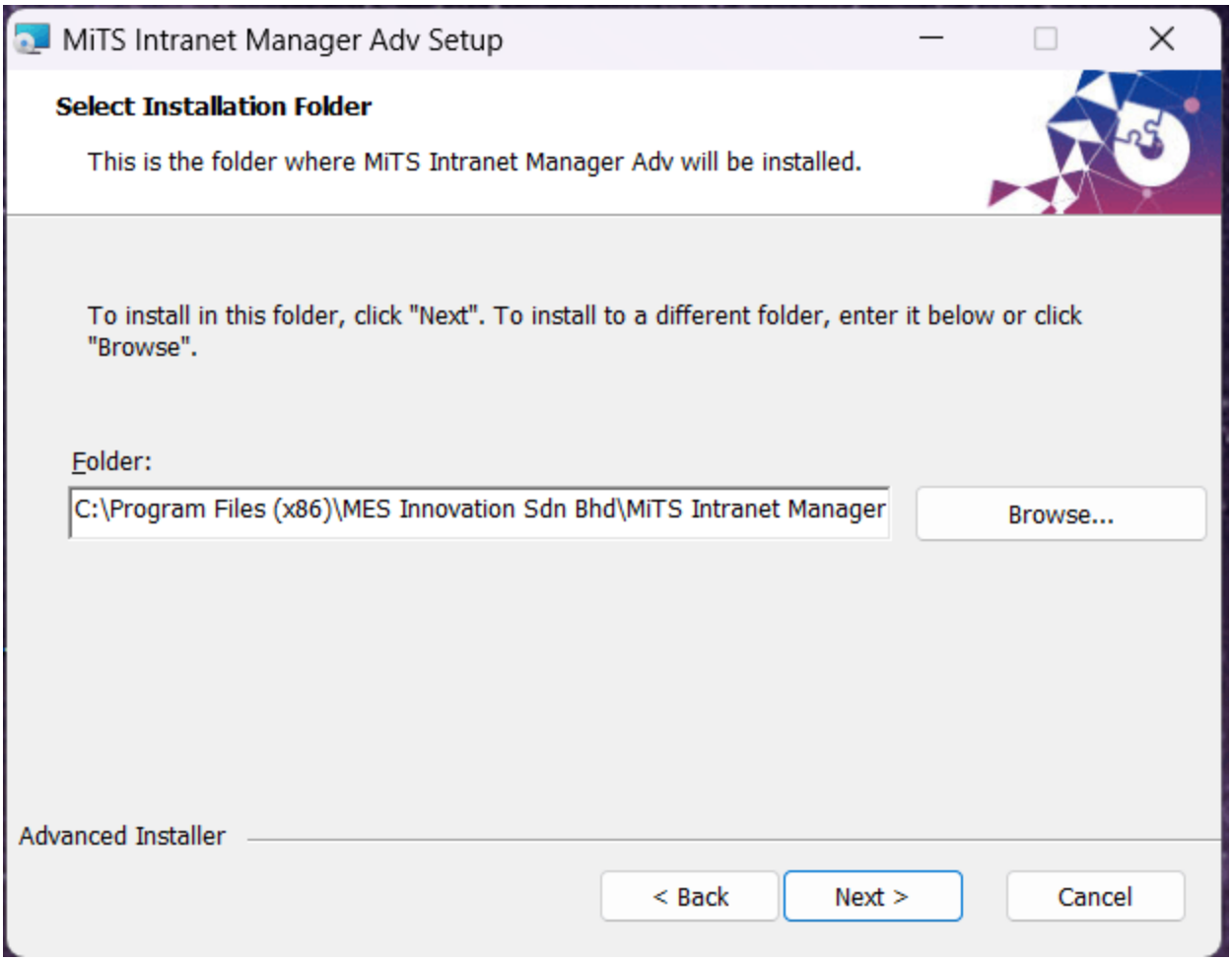


Image 2: Click Next

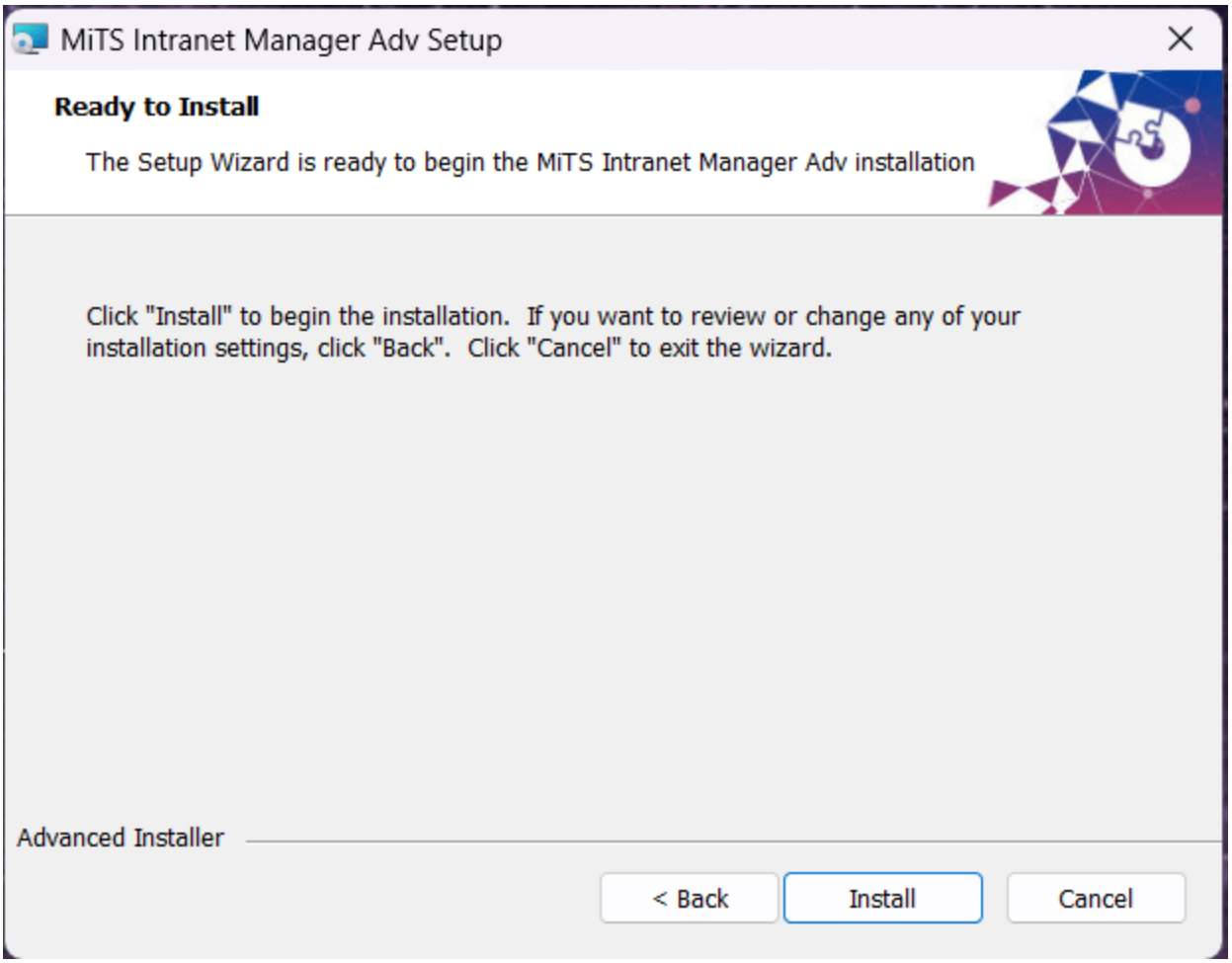


Image 3: Click Install

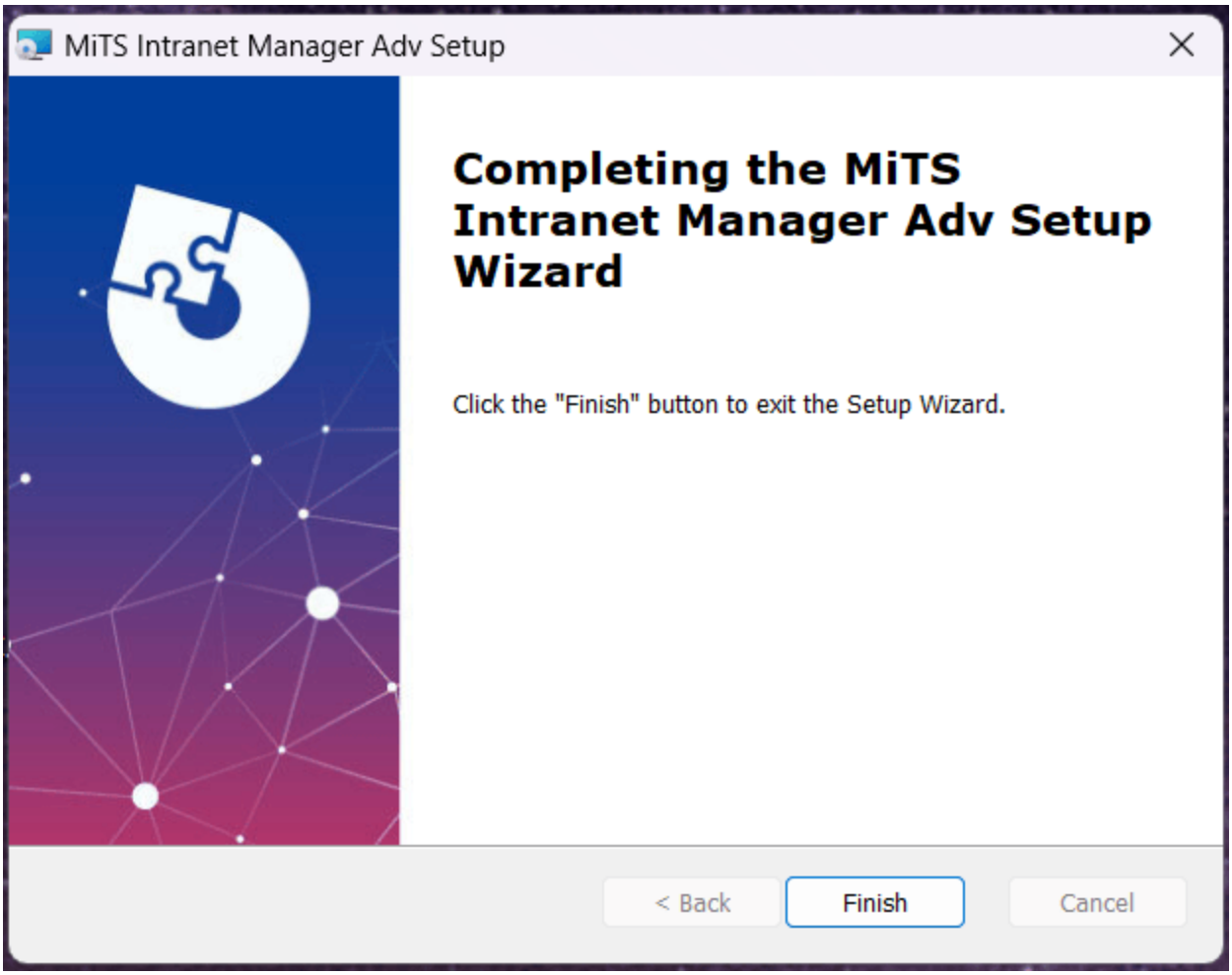
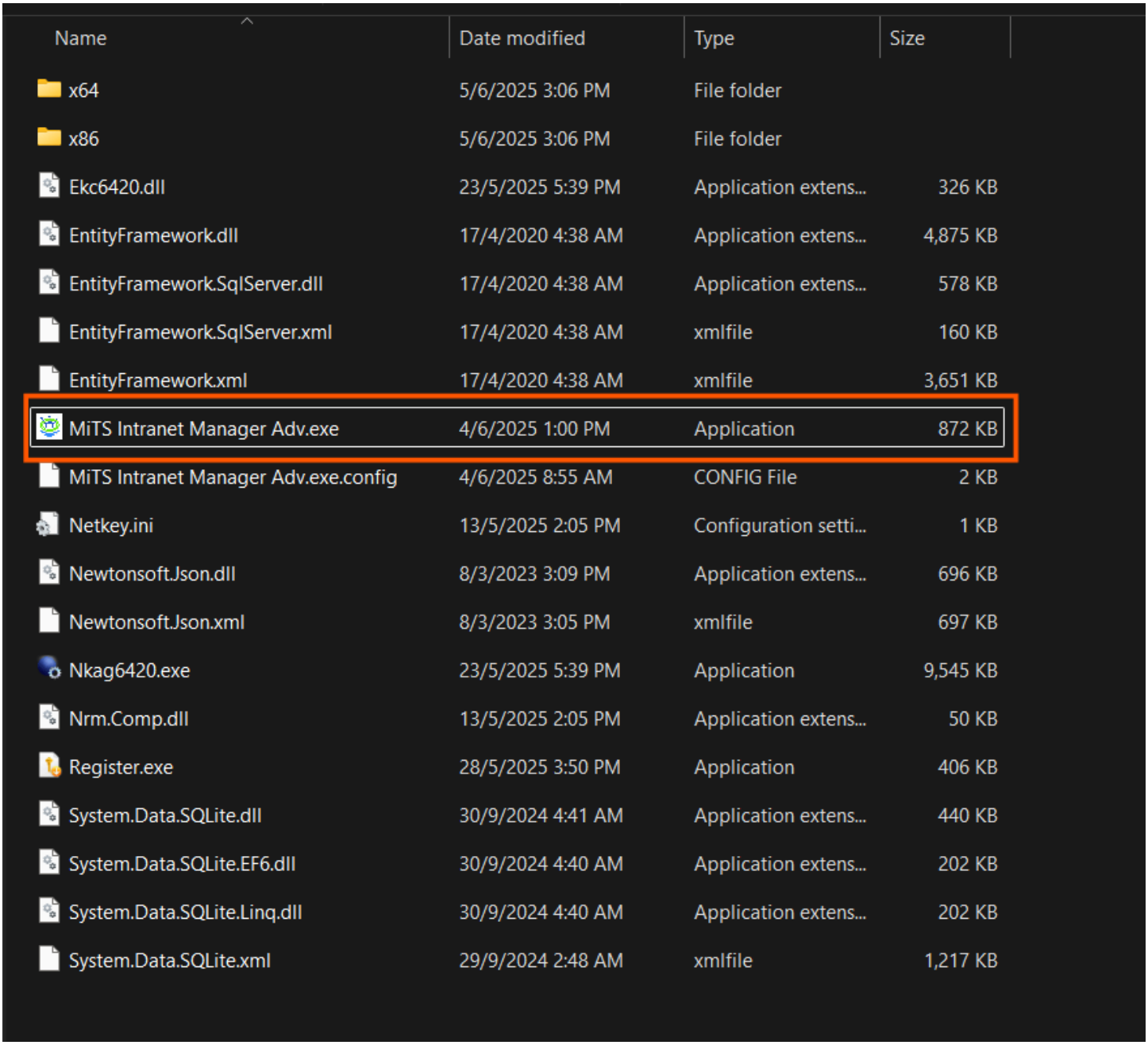


Image 4: Click Finish

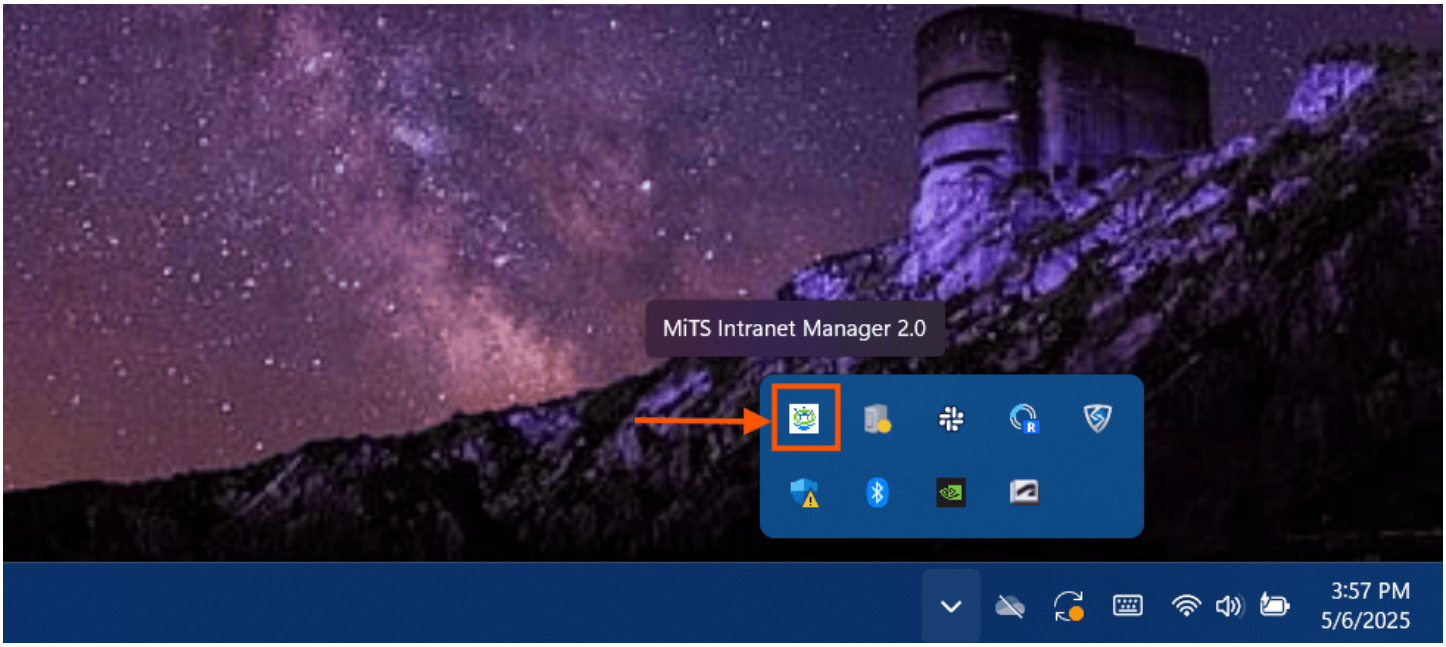
2. Go to ***C:\Program Files (x86)\MES Innovation Sdn Bhd\MiTS Intranet Manager Adv***
3. Select ***MiTS Intranet Manager Adv.exe*** > Right-click and Run as Administrator > Allow the app to make changes on the device



Name	Date modified	Type	Size
x64	5/6/2025 3:06 PM	File folder	
x86	5/6/2025 3:06 PM	File folder	
Ekc6420.dll	23/5/2025 5:39 PM	Application extens...	326 KB
EntityFramework.dll	17/4/2020 4:38 AM	Application extens...	4,875 KB
EntityFramework.SqlServer.dll	17/4/2020 4:38 AM	Application extens...	578 KB
EntityFramework.SqlServer.xml	17/4/2020 4:38 AM	xmlfile	160 KB
EntityFramework.xml	17/4/2020 4:38 AM	xmlfile	3,651 KB
MiTS Intranet Manager Adv.exe	4/6/2025 1:00 PM	Application	872 KB
MiTS Intranet Manager Adv.exe.config	4/6/2025 8:55 AM	CONFIG File	2 KB
Netkey.ini	13/5/2025 2:05 PM	Configuration setti...	1 KB
Newtonsoft.Json.dll	8/3/2023 3:09 PM	Application extens...	696 KB
Newtonsoft.Json.xml	8/3/2023 3:05 PM	xmlfile	697 KB
Nkag6420.exe	23/5/2025 5:39 PM	Application	9,545 KB
Nrm.Comp.dll	13/5/2025 2:05 PM	Application extens...	50 KB
Register.exe	28/5/2025 3:50 PM	Application	406 KB
System.Data.SQLite.dll	30/9/2024 4:41 AM	Application extens...	440 KB
System.Data.SQLite.EF6.dll	30/9/2024 4:40 AM	Application extens...	202 KB
System.Data.SQLite.Linq.dll	30/9/2024 4:40 AM	Application extens...	202 KB
System.Data.SQLite.xml	29/9/2024 2:48 AM	xmlfile	1,217 KB

4. A Windows Firewall prompt may appear, indicating the application is being blocked. **To proceed, allow the ElecKey Network Agent for 64-bit Windows through the firewall by clicking Allow.**

5. After a complete installation, the MiTS Intranet Manager will appear in the system tray at the bottom of your screen



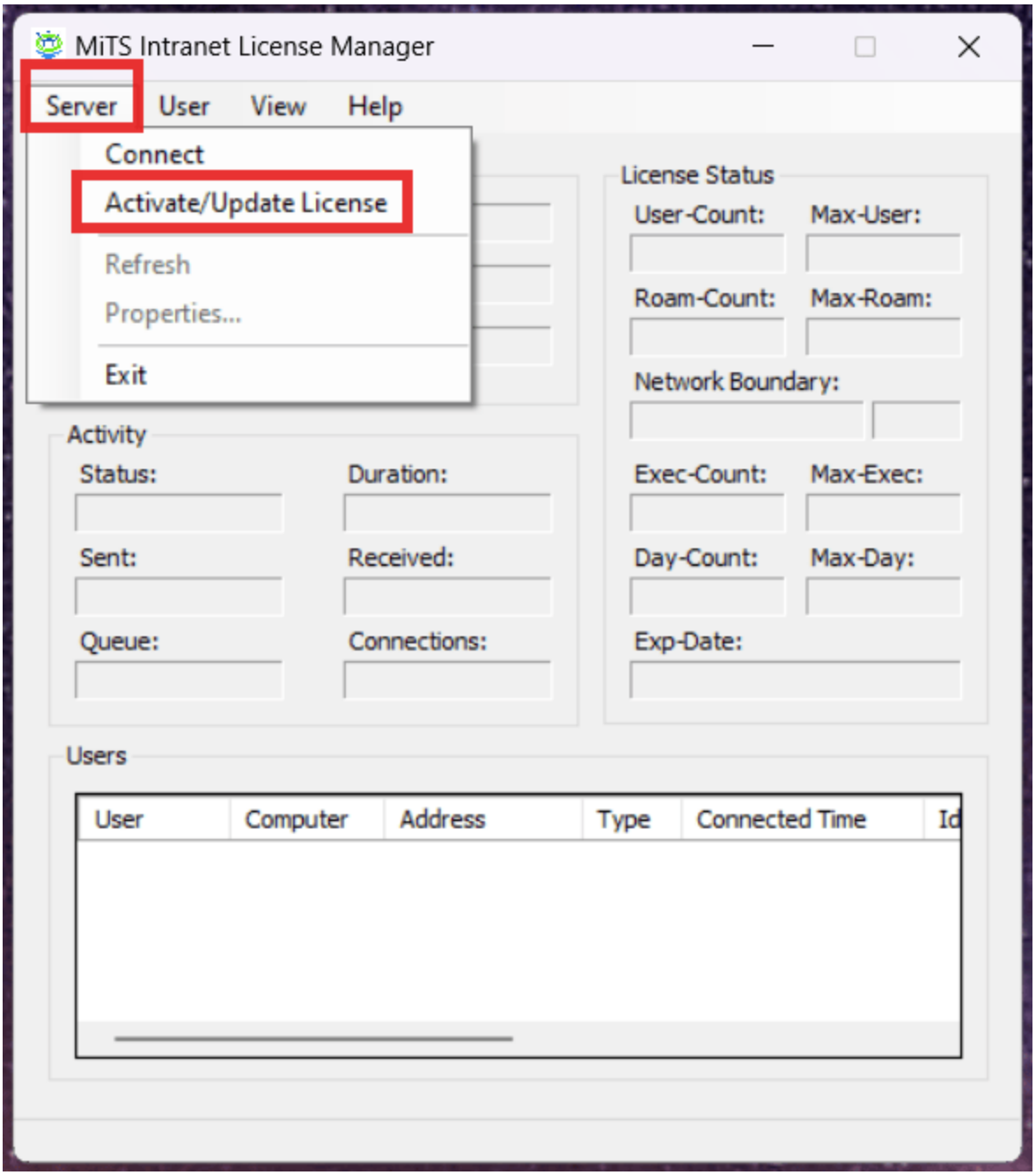
License Activation

1. Launch the MiTS Intranet License Manager from the system tray

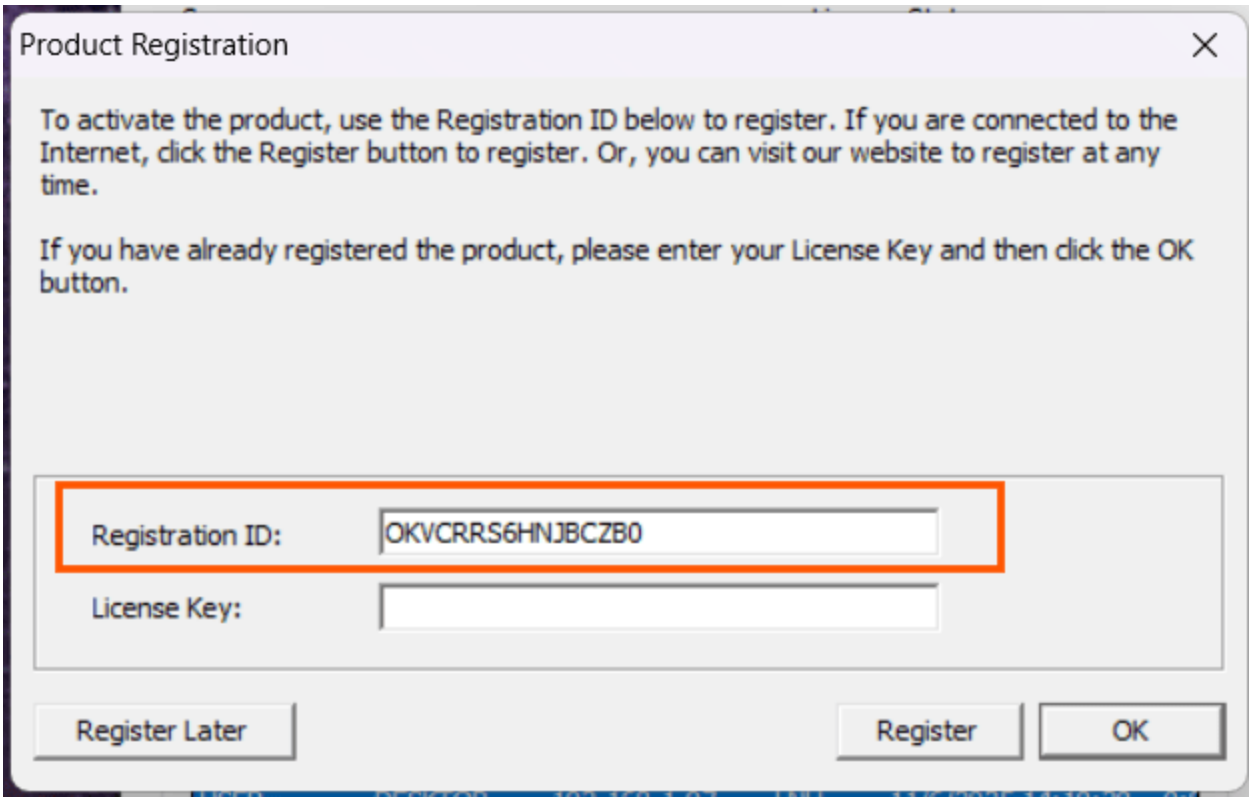
Expand system tray > Hover cursor on top of the MiTS Intranet Manager 2.0 > Right-click > Click Open

2. Expand Server tab > Click Activate/Update License

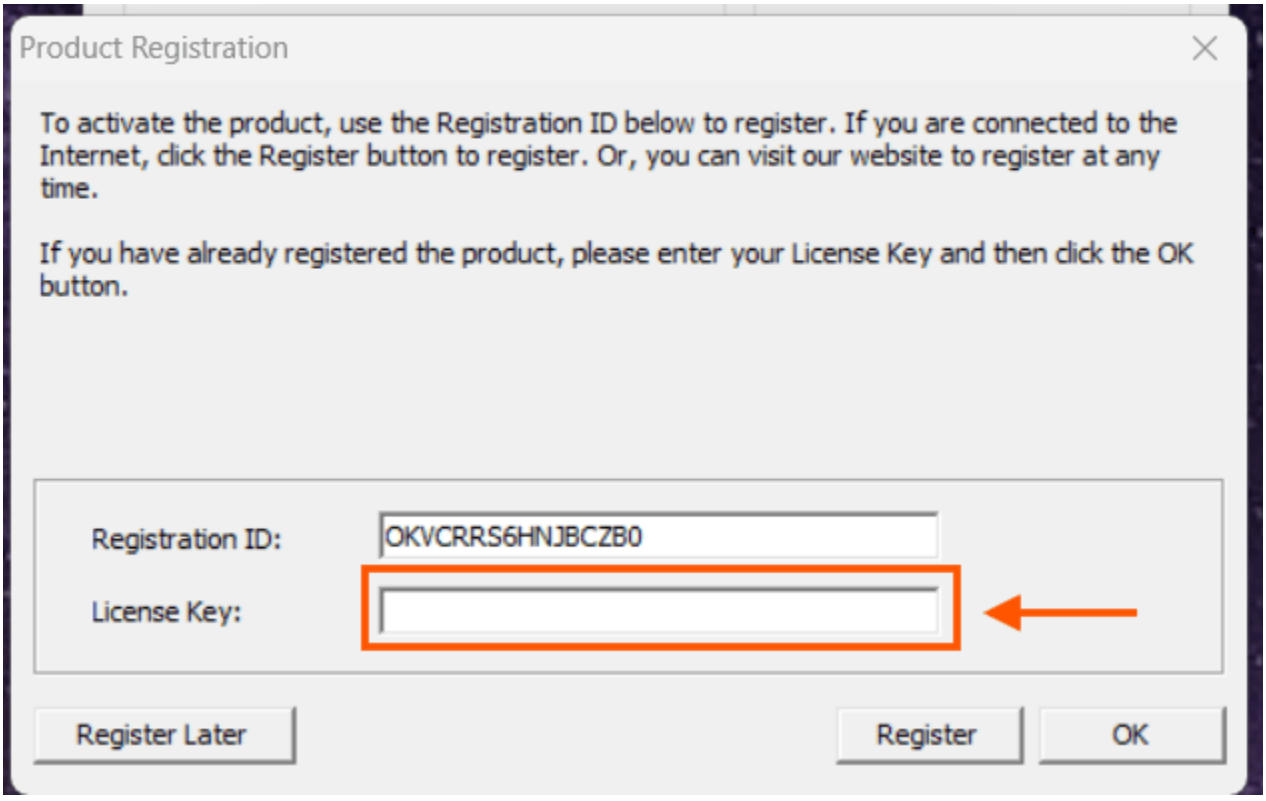
Note: This step will **only need to be done once on a server machine unless there is a need to update the license**, i.e., updating the expiry date or increasing the number of max users.



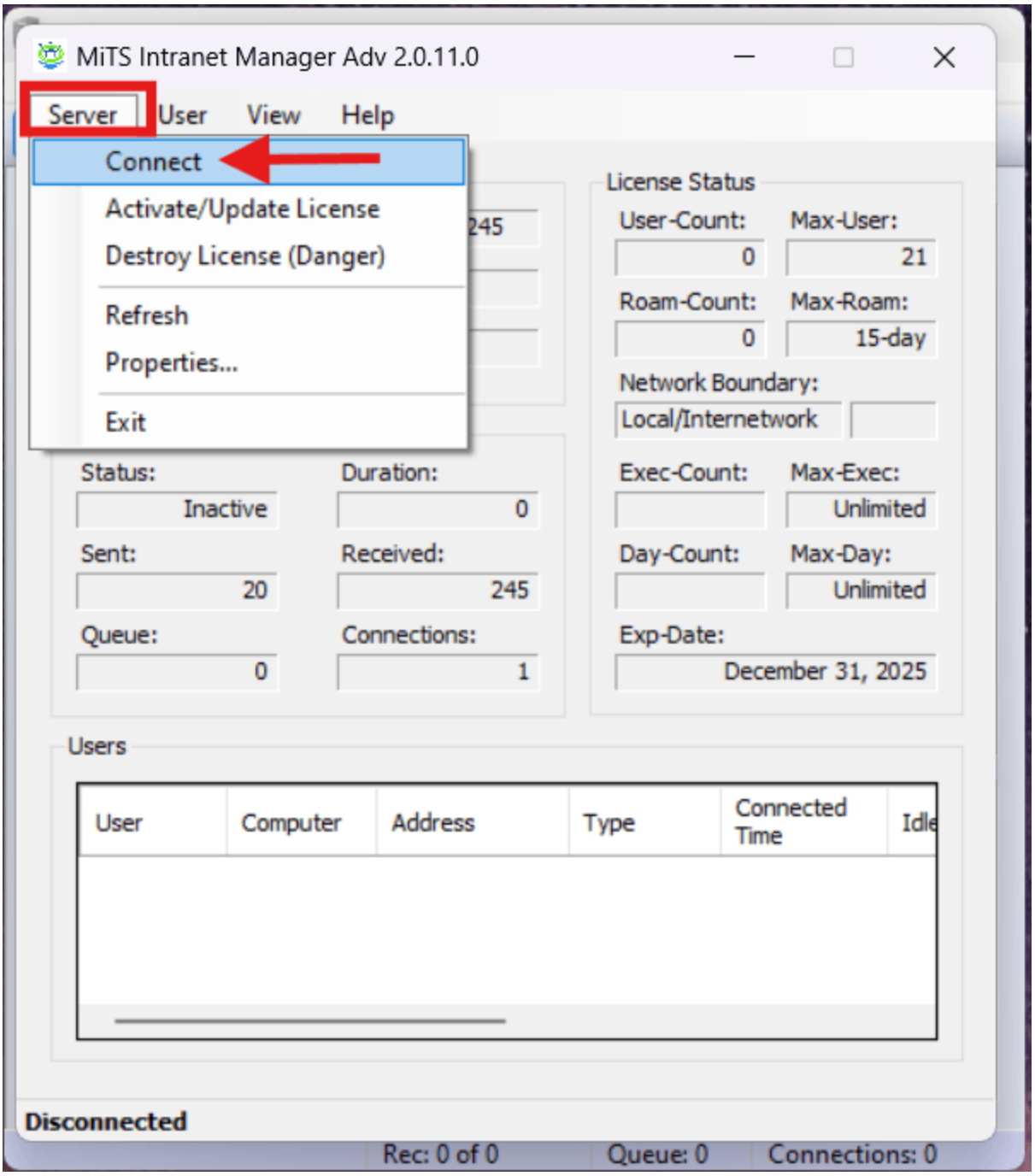
3. Copy the **Registration ID** and email it to the MES Support Team at *support@mes100.com* to obtain the License Key.



4. Once the **License Key** is obtained, copy and paste the key under the Product Registration as shown below.



5. Click OK. Then, click Server Tab > Click Connect.

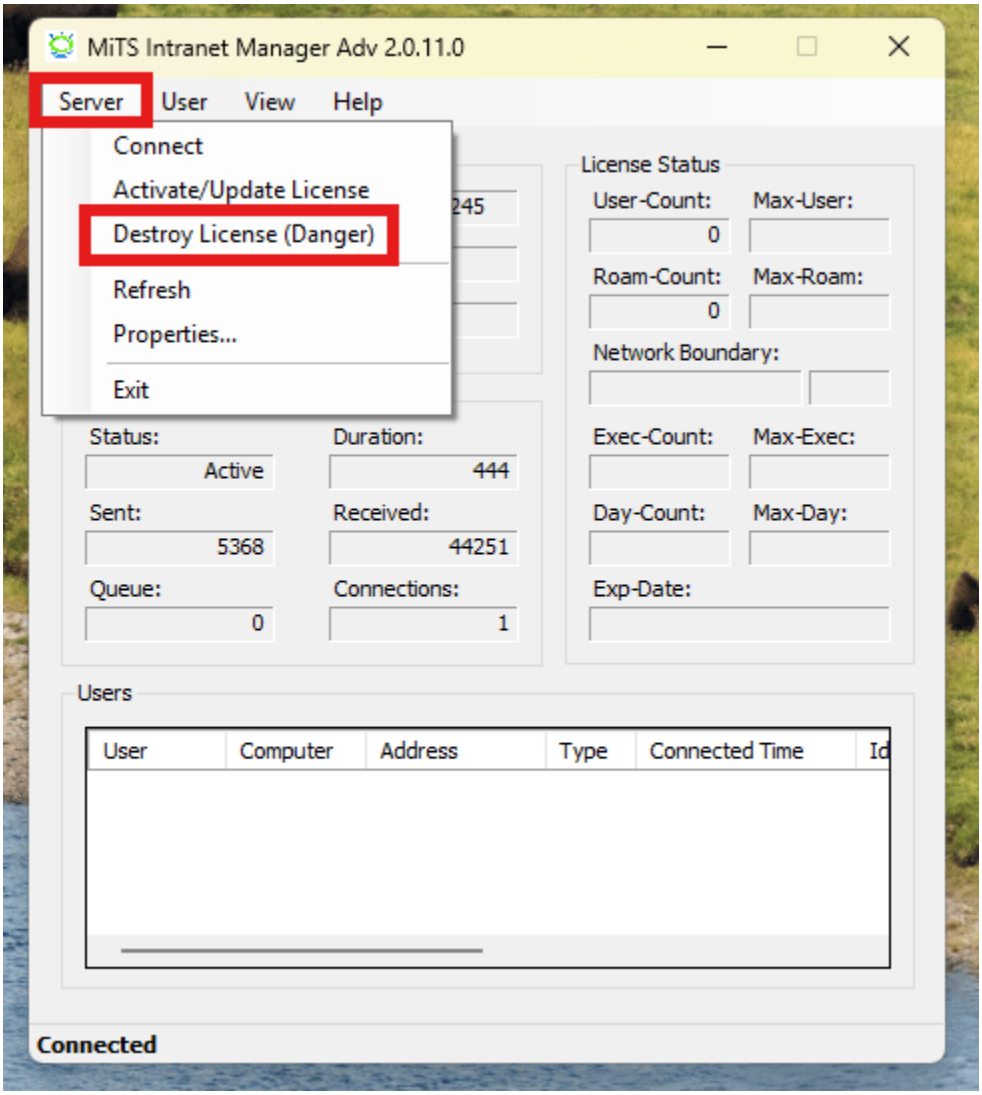


License Deactivation

If users require a change of the server machine, deactivation of the license is necessary.

1. Open MIMA on the server machine > Click on the Server tab.
2. Click on Destroy License (Danger) > Software will warn users on destroying the license > To proceed with destroying the license, users can click on Yes

3. Users will receive a deactivation ID, which must be sent to the MES Technical Team to complete the deactivation process correctly.



How to set up the client side (engineer's machine)

Setting up the NKLS.ini file

1. Obtain the server's IP address. To do so, on the **server machine**,
   - Go to the Search Panel and type in cmd > Run the command prompt as administrator > Type in *ipconfig* in the command terminal

2. Find the shortcut for MiTS 3 on your desktop > Right-click > Click on *Open file location*

OR

3. Open File Explorer > Search for the Program Files of MiTS in the directory – **C:\Program Files\MES Innovation Sdn Bhd\MiTS\3.2.x.**x
4. Find NetKey.ini file > Open the file in Notepad > Update the default Server Address (127.0.0.1) with the IP Address of the server

Note: The same file also contains a **TimeOut** setting. Newer MiTS releases set it to **1** so that MiTS starts faster on machines without a license server. If MiTS cannot obtain the license from the server on a client machine, for example over a slow network or a VPN, increase **TimeOut** (older MiTS releases used **30**) and launch MiTS again.

5. Click File > Save the project file > The Computer will prompt the user to Save As the file under a new name
6. **Maintain the same name** for the file > Save under a different location, such as the Download folder or the Desktop (We are not able to save directly under the Program Files)
7. Copy the saved file > Paste under MiTS Program file under the directory – **C:\Program Files\MES Innovation Sdn Bhd\MiTS\3.2.x.x**

Test-Connection from the client side to the server

1. Go to Search Panel > Search for Windows PowerShell > Run as Administrator
2. Check that the client machine is connecting to the specific server port (1245), type

Test-NetConnection -Port 1245 -ComputerName “*server name*”

Note:

- for “*server name*”, you can use *i)* ***server computer name*** or *ii)* ***server IP address***
- The connection is successful if the Test-NetConnection resulted ***TcpTestSucceeded is True***

Launching MiTS 3.2 software

Server Machine

Users need to ensure the **MiTS Intranet Manager Advanced (MIMA)** and the **NetKey License Server (NKLS)** are launched.

Note: The **NKLS should always be opened on the server machine** to ensure the client's machine can be connected to the server at all times.

What will be displayed on the server machine?

Users will be able to view the information of the server, license activated, and the current users, such as below.

Section	Item	Remarks
Server	Address	• Refer to the IP Address of the server. • This IP Address should be the same as the IP Address set for the NetKey.ini file under MiTS Program Files (Refer Here)
	Port	• The Port can be maintained with the default port of 1245
	Host	• Refer to the ComputerName of the server
License Status	User-Count	• Number of users using the MiTS software simultaneously

Max-User	• The maximum number of users that can use the MiTS software simultaneously
Roam-Count	• Number of users that are temporarily disconnected from the server (This license will still be counted as part of the Max-Count)
Max-Roam	• The maximum number of days that a user can be disconnected from the server
Expire-Date	• The expiry date of the activated license

Users	Computer	• The ComputerName of the machine that is using the license
	Address	• The IP Address of the machine that is using the license
	Type	• Type of connection – can be LNU-TSXX or Roam/LNU-TSXX
	Connected Time	• The starting time of the connection between the server and the client’s machine
	Idle Time	• Duration of the software being inactive on the client’s machine • For roaming license – Represent the number of days the license has been roaming, based on the days set
	Application	• MiTS should be displayed

Usage History of the License

This latest version of the intranet license incorporates a feature that enables users to access their concurrent and yearly usage history, encompassing information such as maximum license usage during a specified date range.

1. On the server machine, open MIMA > Click on the View tab.
2. Click on Usage History > Select the Date Range (Start Date and End Date) > Click Load
3. If you wish to export the data to Excel, you may click on the ‘Export to CSV’ button.

Concurrent

It will display the number of users who are actively using the software– the number displayed should be equivalent to the Concurrent Users or User-Count displayed on the manager.

Accumulate

It displays the total number of users for the given period. This feature allows the manager to show yearly active users for usage tracking.

From the example above, the total number of machines accessing the server for the license from March 2025 to March 2026 is three. For each machine, it will display the total number of times it accesses the license during the set period, e.g., DESKTOP-LVSSTB8 has accessed the license 4 times.

Client machine (engineer’s machine)

1. Once the machine is connected to the server, the user can launch the software as usual.

Note: Upon launching the new version of the software for the first time, a Windows Security prompt may appear, asking for permission to allow the app through public and private networks. Simply click “**Allow**” to proceed.

2. If a *Hardlock error* is received, the user may refer to the Troubleshooting section below.

Authentication Checking

1. Launch MiTS software > Click on Help Tab
2. Click on the Authentication function > An Authentication Dialog will appear as in the image below

The **Hardlock ID** displayed on the MiTS Authentication Info **corresponds exactly with the address shown in the MIMA** dialogue, confirming that this specific machine has successfully connected to the server and checked out a license from the server.

Roaming License

For individuals who require access to our MiTS software without being connected to the office server – for instance, when working remotely or participating in meetings away from the office – they have the

option to configure the license to “roam” from the server. Therefore, the license will be transformed into a *floating* type, eliminating the need for a constant connection to the server.

Please keep in mind that the checked-out “roaming” license will still reduce the total license pool, which means one less license will be available for users in the office until it is returned.

Steps to check out the license

1. In MiTS software, go to Help Tab > Click on Authentication
2. Click the Checkout/Return License button > The Software will prompt for Roaming Period. Users can input how many days are required for the roaming period, as in the image below.

3. Click Checkout > Software will prompt the operation to be successful as in below > Click Ok to close all the dialogs

4. On the server machine, the connection type for the machine set with a roaming license will look as in the image below.

Steps to return the license

Note: Returning the license will require the machine to be connected to the server when accessing the MiTS software.

1. In MiTS software, click on the Help tab > Click on the Authentication button
2. Under the Authentication dialog, click on Checkout/Return button > Software will notify user that the operation done will return the license to the server

Troubleshooting Guides:

What if there is no MIMA and NKLS icon under the system tray?

Steps to resolve:

1. Go to the directory – **C:\Program Files (x86)\MES Innovation Sdn Bhd\MiTS Intranet Manager Adv**
2. Click on MiTS Intranet Manager Adv.

3. Once the application above has been run, the NKLS will be launched. If we go to the system tray at the bottom, the MIMA icon will appear.

Embedded media:
https://www.youtube.com/embed/2Swu80zqnX0?version=3&rel=1&showsearch=0&showinfo=1&iv_load_policy=1&fs=1&hl=en-US&autohide=2&wmode=transparent&enablejsapi=1

Receiving error message when launching MIMA and NKLS

Cause(s) of the error:

- The machine was detected as an unauthorized user due to the missing Username and Password for the NKLS

Steps to resolve:

1. Go to the NKLS dialog, click on Server Tab > Click on Properties

2. Under the NetKey Manager Authentication, input the User and Password as below

- **User:** Administrator
- **Password:** Administrator

3. Click Apply and Click OK. Try to relaunch MIMA; the errors above are no longer reproducible.

Could not activate/update license due to missing Ekc3220.dll file

Steps to resolve:

1. Ensure MIMA is properly closed on the server's machine.
2. Download the Ekc3220.dll file from here.
3. Copy the file > Paste it under this directory – **C:\Program Files (x86)\MES Innovation Sdn Bhd\MiTS Intranet Manager Adv**
4. During Step 3, users need to allow the file to be pasted by clicking *Continue*.
5. Relaunch MIMA > Try to click on the Activate/Update License button > The error above will no longer be reproducible.

What if I constantly get a "Hardlock Error' message when I launch the software?

Possible cause(s) of the error:

- Silently changing the IP address
- Incorrect IP address is set in the NetKey.ini file of the MiTS Program Files
- Disconnected network on the server machine
- Unable to reach the host (Server)

Steps to resolve:

Step 1: Ensure the network on the server is already connected

1. On the server machine, ensure both MIMA and NKLS are launched.

2. On the MIMA dialog, click on the Server Tab > Click Connect
3. Relaunch the software on client's machine

Step 2: Check the IP address of the server

1. On the server machine > Go to Search Panel > Search for cmd > Run as administrator
2. Type in *ipconfig* under the command prompt
3. Ensure the IP address set in the NKLS.ini file of the MiTS Program files is the same as the IP address obtained from the above workaround

Directory: C:\Program Files\MES Innovation Sdn Bhd\MiTS\3.2.x.x

Step 3: Try to ping the server's address from the client's machine

Detailed steps can be found here.

Step 4: Ensuring the client's machine can be connected to the specific server port using Test-NetConnection

Detailed steps can be referred to **here**.

Conclusion:

It should be noted that as long as you can **Test-NetConnection successfully**, then the client machine can be connected to the server with no issue.

Unable to connect due to firewall restrictions

***This is to troubleshoot the ping or Test-NetConnection failure. These steps are not needed if you can Test-NetConnection successfully*.**

- **How to allow a program to pass through your firewall**
- **How to open a port**

Note:

Ensuring a successful Test-NetConnection is crucial for users to connect to the server. We recommend that users initially allow all necessary connections to confirm successful Test-NetConnection, and only then tighten security settings, making sure that connectivity is disrupted in the process.

Related



Ngu Soon Hui

I'm the Benevolent Dictator for Life for MiTS Software cum Editor of this website. Read more here.

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