

Official  
Release

# AndeSight™ STD v5.3

## Installation Guide

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Number

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2023-11-27

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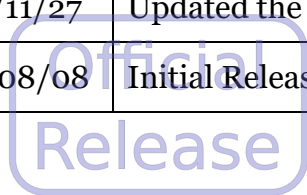
Please include the following information in your inquiries:

- the document title
- the document number
- the page number(s) to which your comments apply
- a concise explanation of the problem

General suggestions for improvements are welcome.

## Revision History

Rev.	Revision Date	Revised Content
1.1	2023/11/27	Updated the required disk storage for installation (Section 1.2)
1.0	2023/08/08	Initial Release



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Document Element	Font	Font Style	Size	Color
Normal text	Georgia	Normal	12	Black
Command line, source code or file paths	Lucida Console	Normal	11	Indigo
VARIABLES OR PARAMETERS IN COMMAND LINE, SOURCE CODE OR FILE PATHS	LUCIDA CONSOLE	BOLD + ALL-CAPS	11	INDIGO
<a href="#">Hyperlink</a>	Georgia	<u>Underlined</u>	12	Blue

## 1. Minimum system requirements

### 1.1. Hardware requirements

- RAM: 2 GB
- Disk storage: 13.7 GB for installation on Windows or Linux

### 1.2. Tested operating systems

- Microsoft Windows 10 (64-bit version)
- Microsoft Windows 11 (64-bit version)
- CentOS 7.3 (64-bit version)
- Red Hat Enterprise Linux ES release 7.3 (64-bit version)
- Ubuntu Linux version 20.04 LTS (64-bit version)

---

#### NOTE

For Linux environments, several additional packages are required to ensure that AndeSight components work successfully. To install these packages, simply execute

`install_linux_package.sh` with root privileges after completion of AndeSight installation. You can also install the packages manually using the following commands:

- For 64-bit CentOS or Red Hat

```
#yum groupinstall -y Development Tools
#yum install glibc-devel.x86_64
#yum install zlib*
#yum install ncurses*
#yum install flex
#yum install bison
#yum install python3-devel
#yum install swig
#yum install autoconf
#yum install elfutils-libelf-devel.x86_64
```

- For 64-bit Ubuntu

```
$ sudo apt-get install build-essential
$ sudo apt-get install gcc-multilib
$ sudo apt-get install g++-multilib
$ sudo apt-get install libcanberra-gtk-module
```

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```
$ sudo apt-get install libncurses5
$ sudo apt-get install libncursesw5
$ sudo apt-get install flex
$ sudo apt-get install bison
$ sudo apt-get install python3-dev
$ sudo apt-get install swig
$ sudo apt-get install libssl-dev
$ sudo apt-get install autoconf
$ sudo apt install automake
$ sudo apt install gawk
$ sudo apt install libelf-dev
```

---

## 2. Installation

AndeSight STD installer is devised for the installation of AndeSight STD IDE or BSP components, including Cygwin (for Windows environment only), Linux source files (for Linux environment only), toolchains, simulator, AICE software, flash utilities, linker script generator, RTOS source files, demo applications and documents.

AndeSight STD installer offers three installation modes:

- Graphical user interface (GUI) mode enables installation through graphical wizards or dialogs.
- Console mode enables installation through text-only, command-line interface.
- Silent mode enables automated installation with limited user interfaces. This mode adopts all default installation settings and displays no warning or error message even if problems occur during the process.

The three installation modes by default will install all the toolchains in the installer package. Toolchain selection for installation can only be performed with the GUI mode. If you just need some toolchains, please install in the GUI mode. Detailed instructions on GUI, Console and Silent installation modes are provided respectively in the subsequent sections.



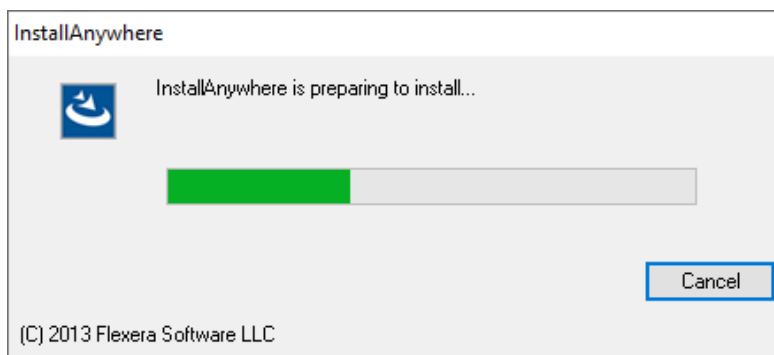
## 2.1. GUI mode

The following gives an instruction to install AndeSight STD with graphical user interface.

**Step 1** Copy the AndeSight STD installer package to a local directory which only consists of characters (A-Z, a-z, 0-9), underscore (\_), and hyphen (-). Then, make sure you have connected an ICE device to your host PC if you'll use a target board for development.

**Step 2** Execute the AndeSight STD installer as follows to invoke the installation wizard:

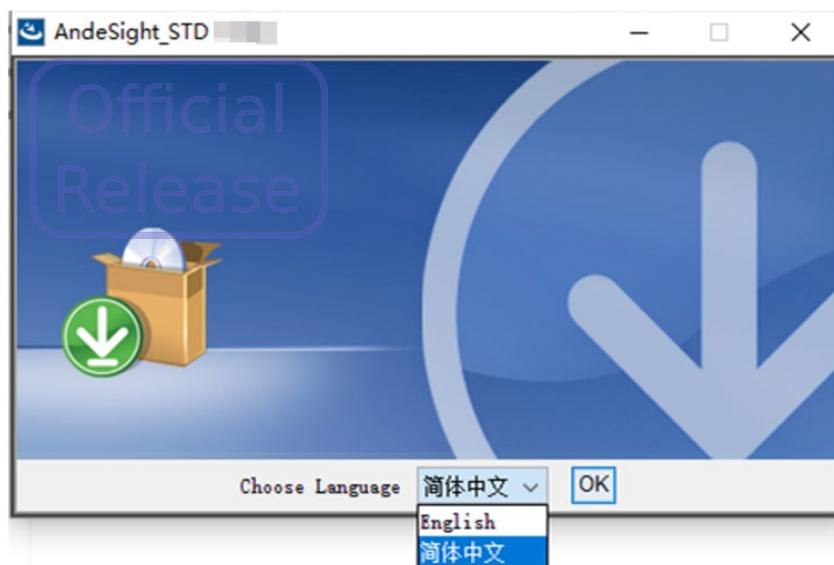
- On Windows, double-click `Setup.bat` under the directory `INSTALLER_ROOT\Windows\Disk1`.
- On Linux, execute `Setup.sh` under the directory `INSTALLER_ROOT/Linux_x64/Disk1/` by issuing the following command in the console: `$ ./Setup.sh`



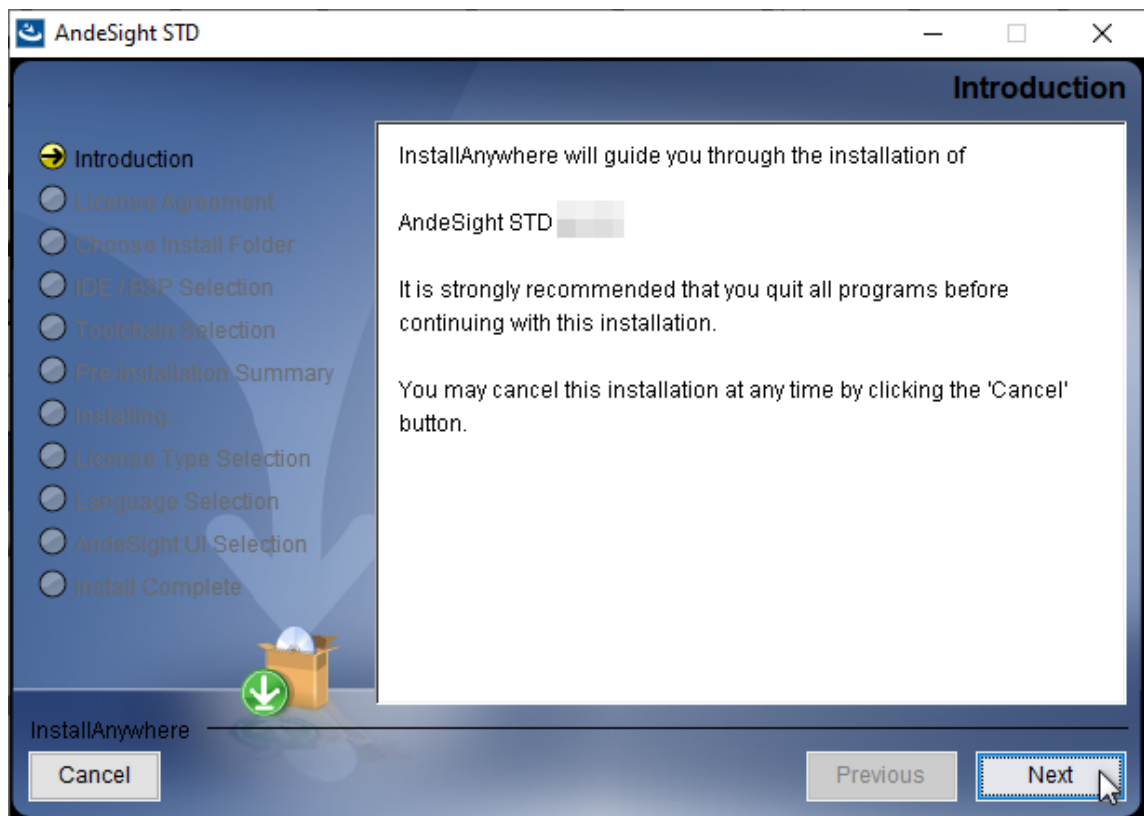
### NOTE

In case you encounter problems installing with `Setup.bat` on Windows, please try using `install.exe` under `INSTALLER_ROOT\Disk1\InstData\VM`. `Install.exe` differs from `Setup.bat` in that it either displays in English straightly or provides a display language selection between the OS language and English like below prior to the installation. In contrast,

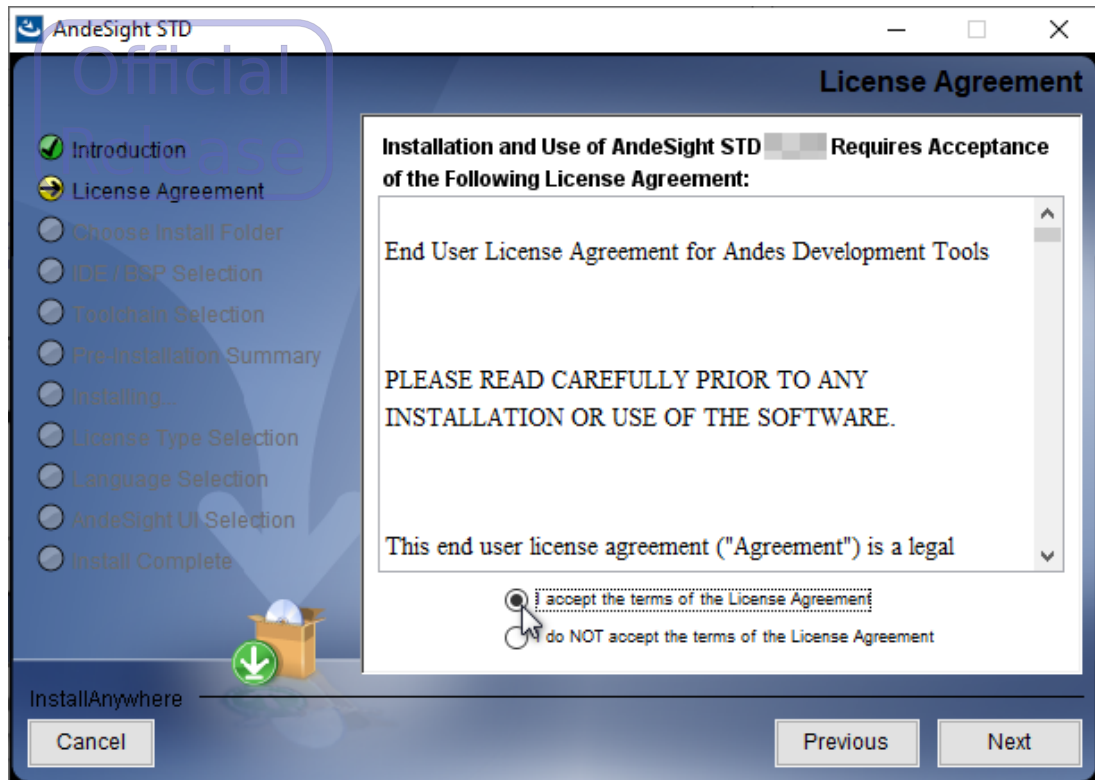
`Setup.bat` always displays in English, Japanese or Simplified Chinese directly according to the detected OS language.



**Step 3** On the invoked installer wizard, select “Next” to start working through the wizard pages. Note that AndeSight installer `Setup.bat` or `Setup.sh` supports three display languages: English, Japanese and Simplified Chinese. If the language of your operating system falls beyond the three languages, English will be used as the default display language for the installer wizard.



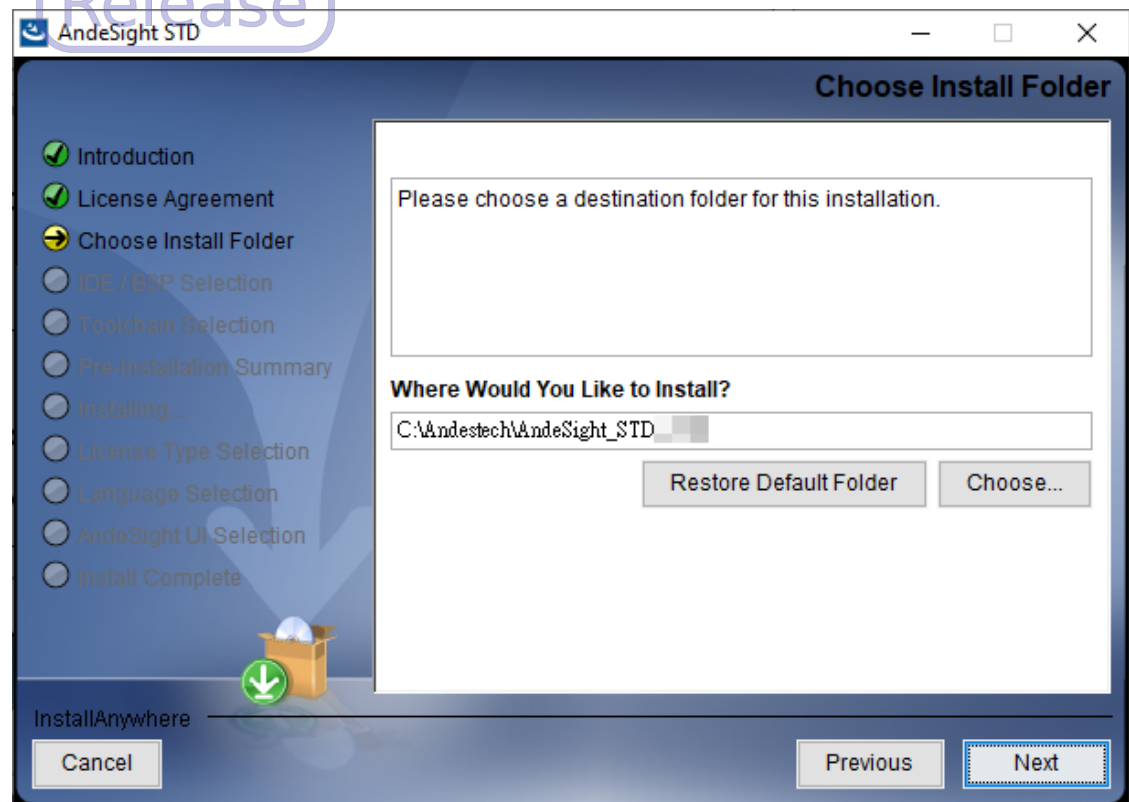
- Step 4** Read the license agreement for Andes development tools and select “I accept the terms of the License Agreement”. Click “Next” to continue.



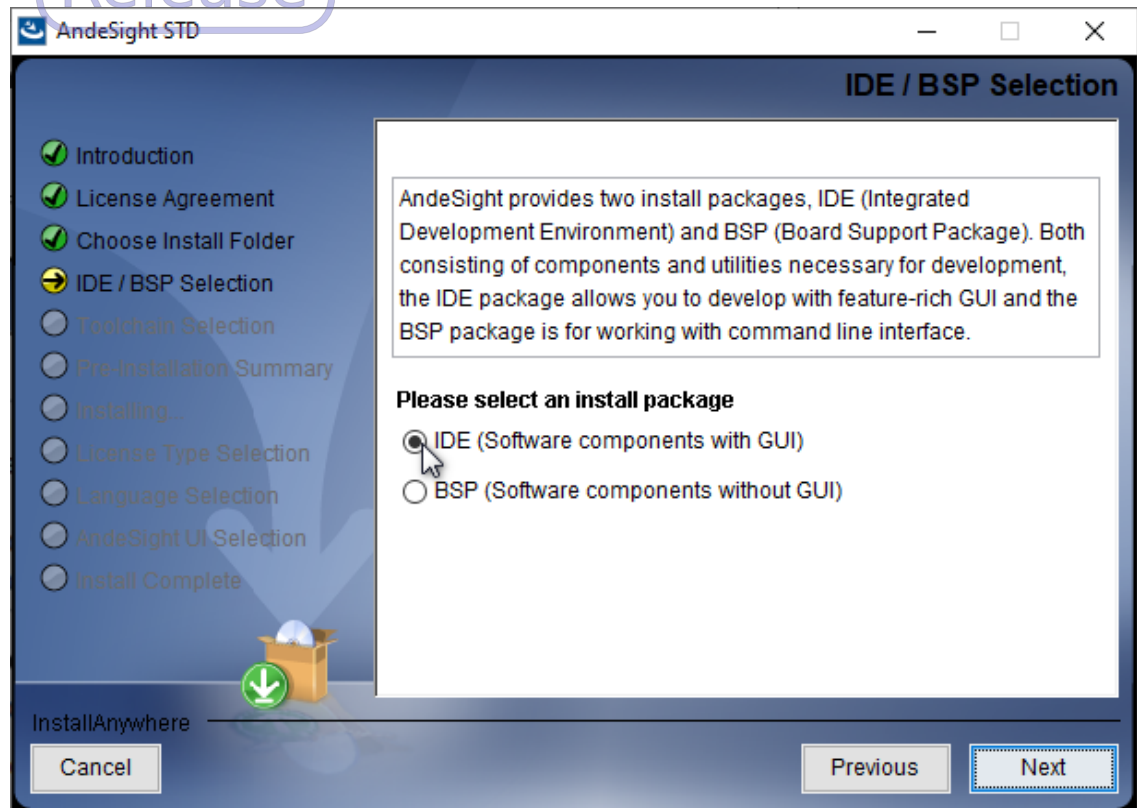
**Step 5** Browse, or enter the desired path for AndeSight STD installation. Click “Next” then.

## NOTE

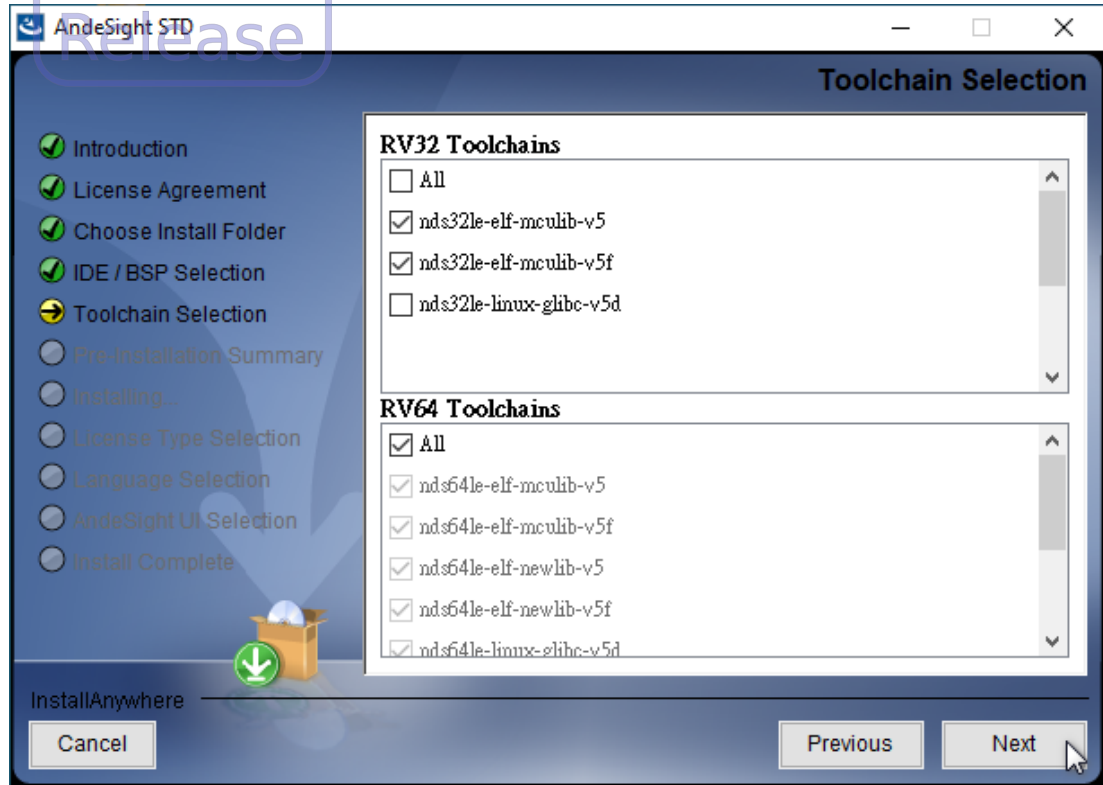
The installation path must only consist of characters (A-Z, a-z, 0-9), underscore (\_), and hyphen (-).



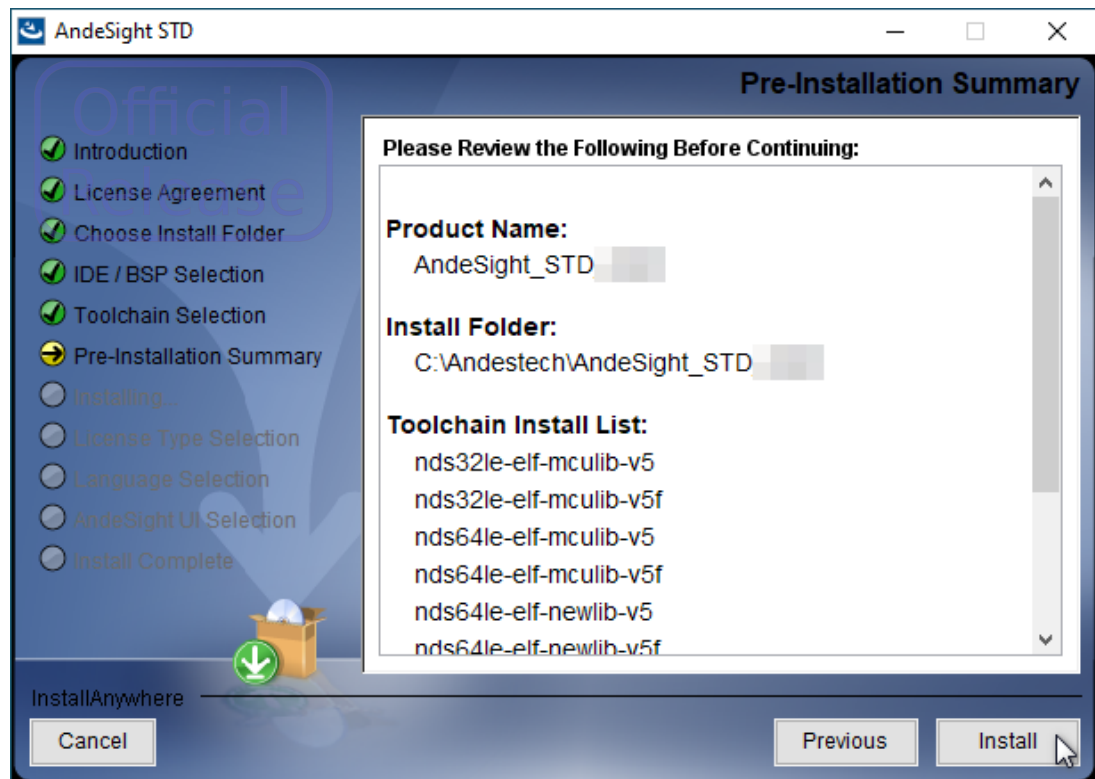
**Step 6** Specify an install package and click “Next”. AndeSight provides two install packages, IDE (Integrated Development Environment) and BSP (Board Support Package). Both containing components and utilities necessary for development, the IDE package allows you to develop with feature-rich GUI and the BSP is for working with command line interface.



**Step 7** Select desired toolchains and click “Next”. The installer will by default install all available toolchains in the package. If you only need certain toolchain(s) for your development, just uncheck the “All” checkbox for RV32/RV64 toolchains and select desired toolchain(s) to install.

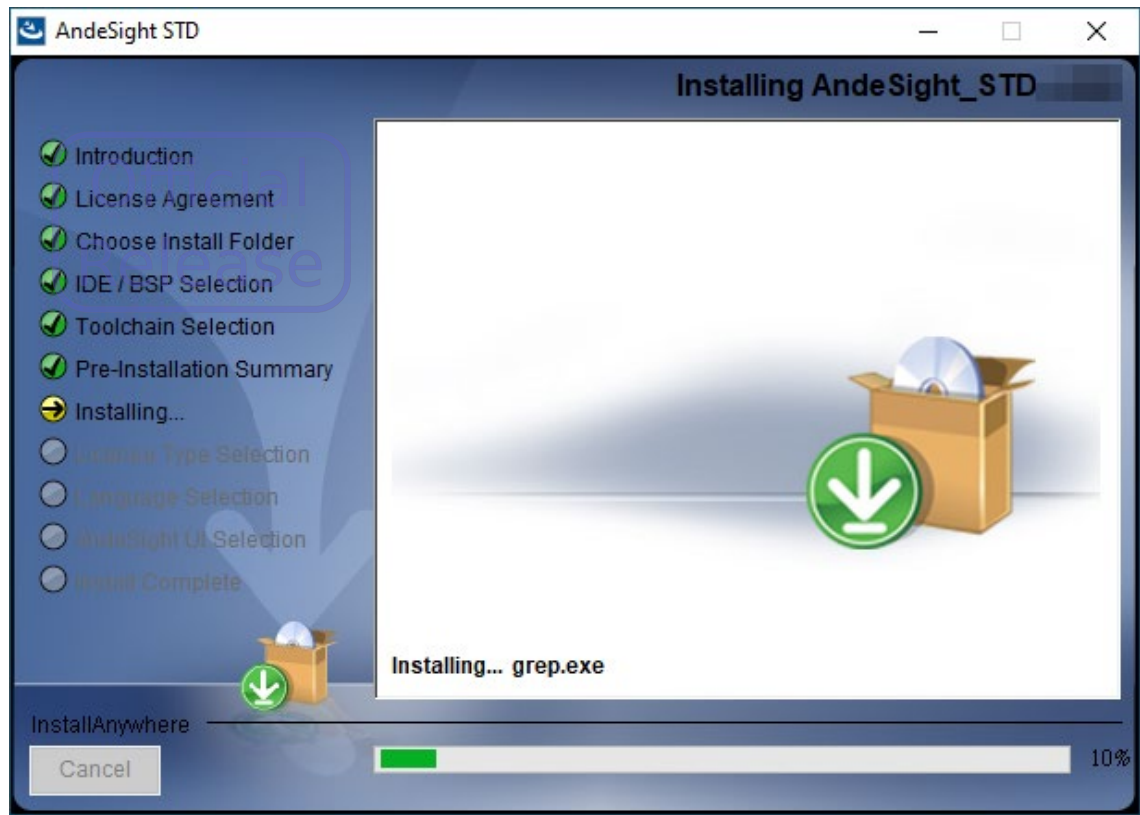


**Step 8** The wizard page shows a summary of the installation settings. Click “Install” to commence the installation.

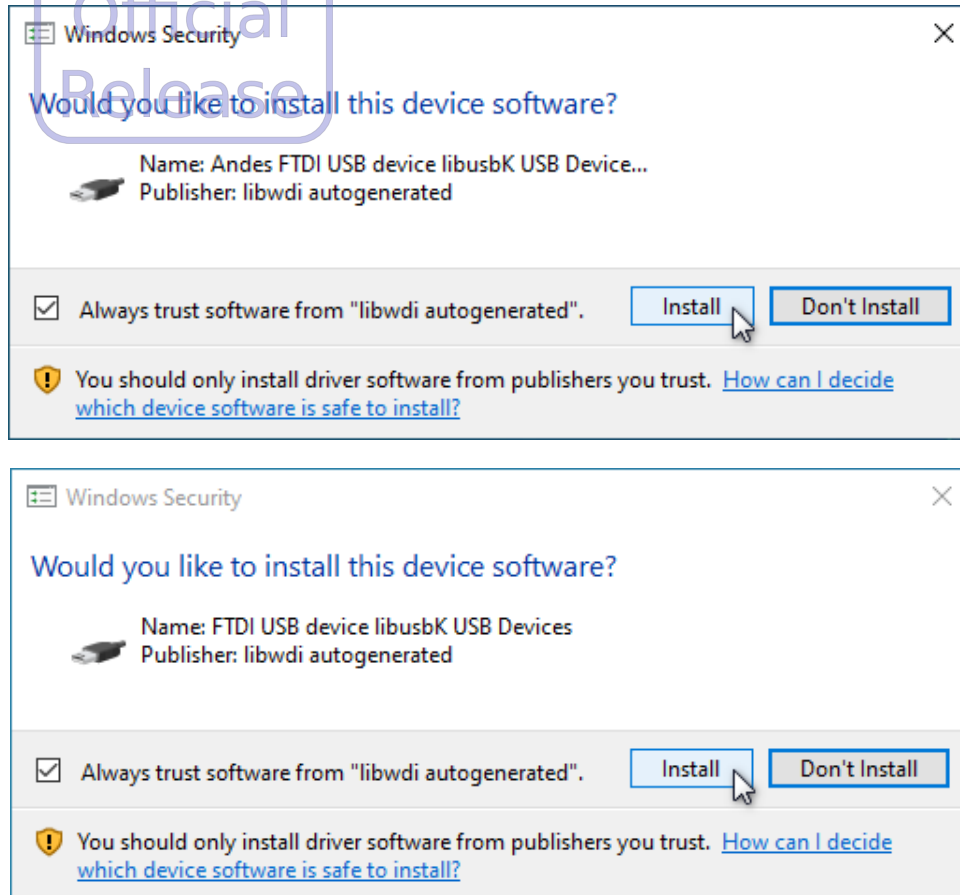




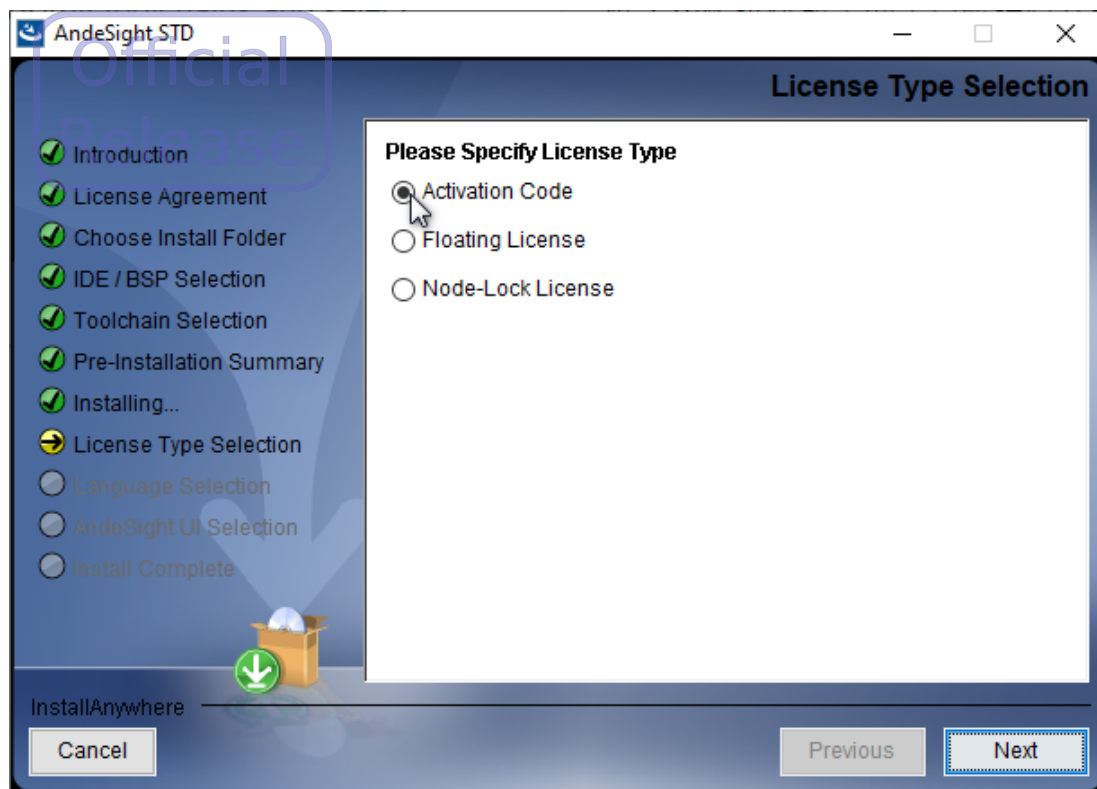
**Step 9** Wait for the installation to complete.



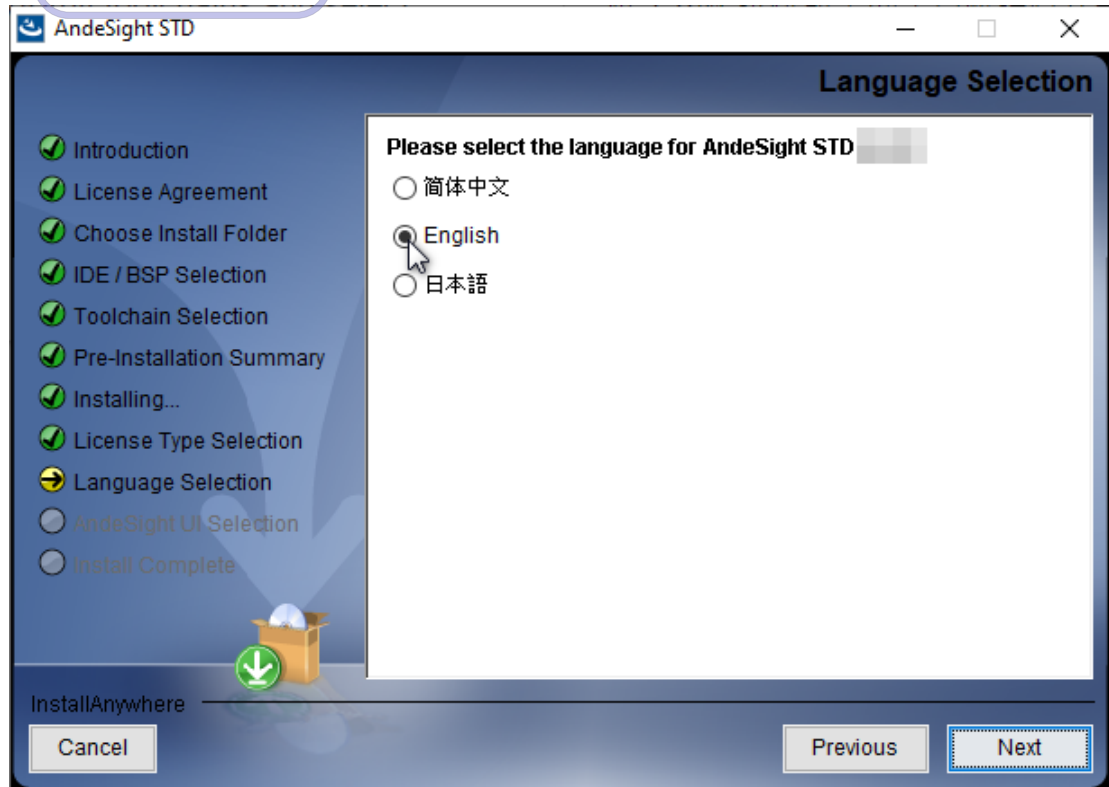
**Step 10** Skip this step if you are installing AndeSight on Linux. On Windows, two dialogs pop up in sequence asking for your confirmation to install ICE drivers. Click “Install” on the dialogs.



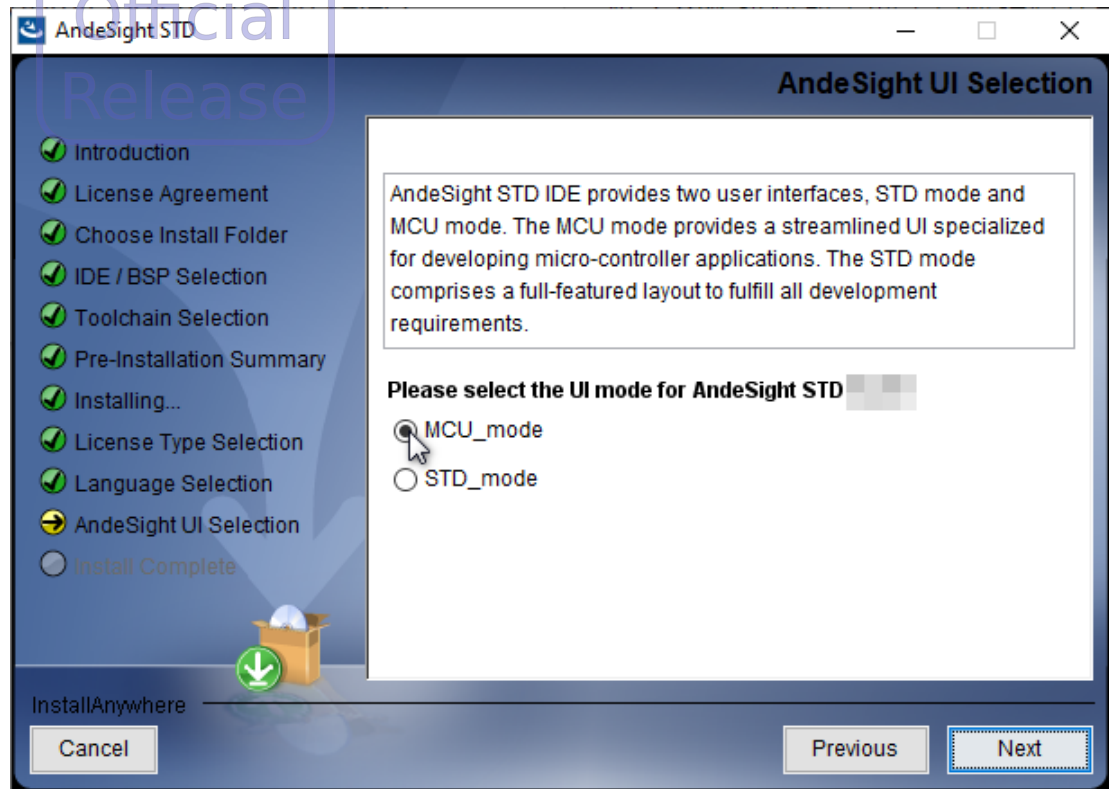
**Step 11** Jump to Step 14 if you are installing a BSP package. Otherwise, specify the pertinent license type for your use of AndeSight STD IDE and click “Next.”



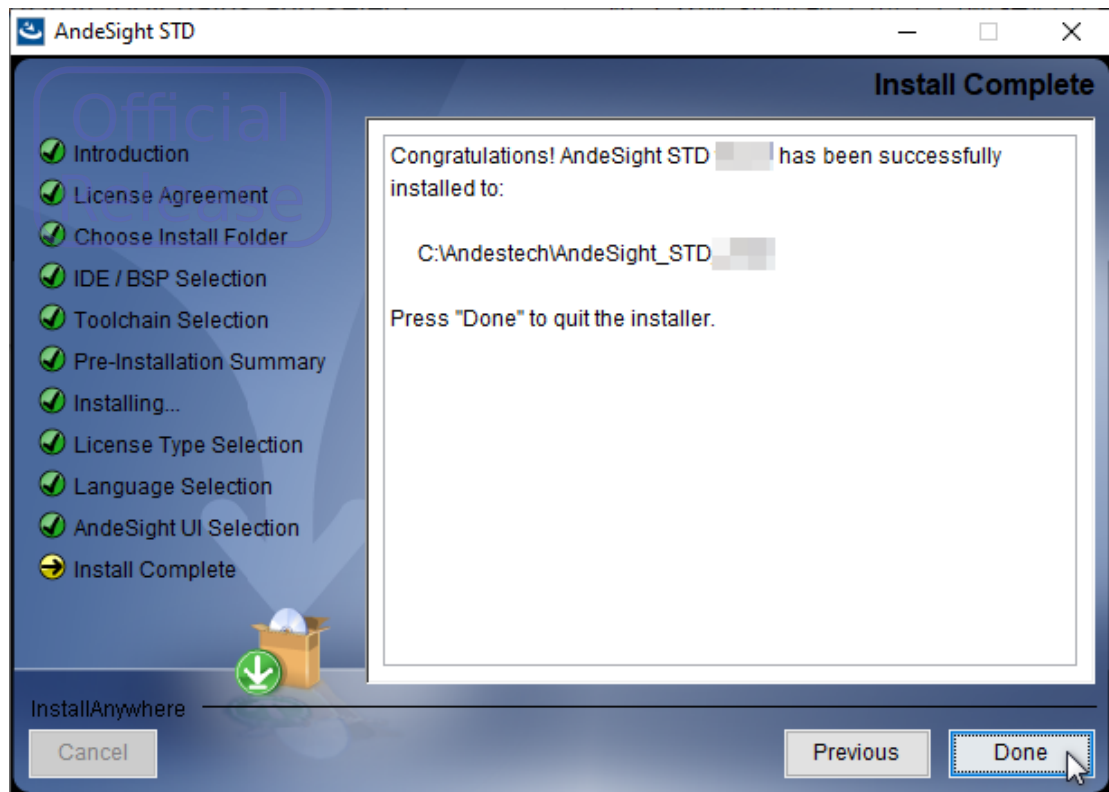
**Step 12** Select a display language for AndeSight STD IDE and click “Next.” The IDE supports three display languages: English, Japanese and Simplified Chinese. If the language of your operating system falls beyond the three supported languages, English will be used as the default display language for the IDE.



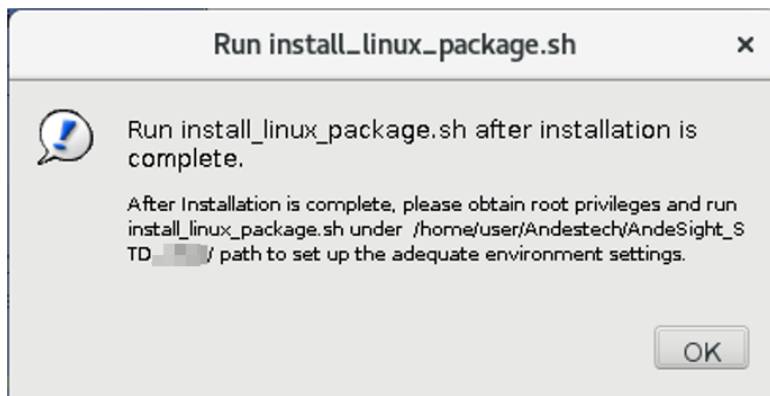
**Step 13** Specify a UI mode for the display of AndeSight STD IDE. The MCU mode provides a streamlined UI specialized for developing microcontroller applications whereas the STD mode comprises a full-featured layout. Then, click “Next.”



**Step 14** The wizard informs you of the successful installation. Click “Done” to complete the installation process.



On Linux, a wizard like below pops out upon the completion of AndeSight installation. Please follow its instruction to run `install_linux_package.sh` with root privileges after quitting the AndeSight installer.



### 2.2. Console mode

The following describes how to launch a console-mode installer and install AndeSight STD.

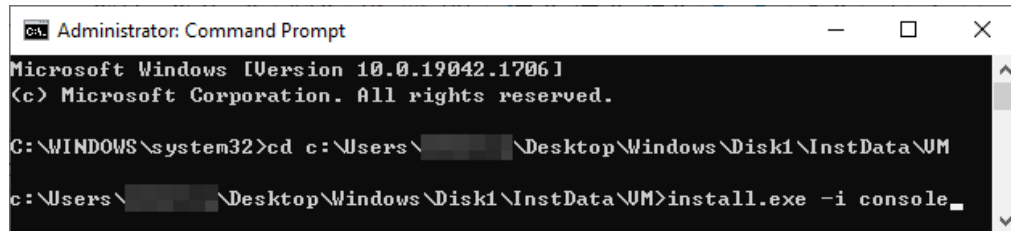
- Step 1** Copy the AndeSight STD installer package to a local directory. The installation path should only consists of characters (A-Z, a-z, 0-9), underscore (\_), and hyphen (-).



- Step 2** Follow below to run the installer with “-i console” commands:

On Windows, open a command line console as an administrator, change the current directory to `INSTALLER_ROOT\Windows\Disk1\InstData\VM` and run the installer `install.exe` as illustrated below.

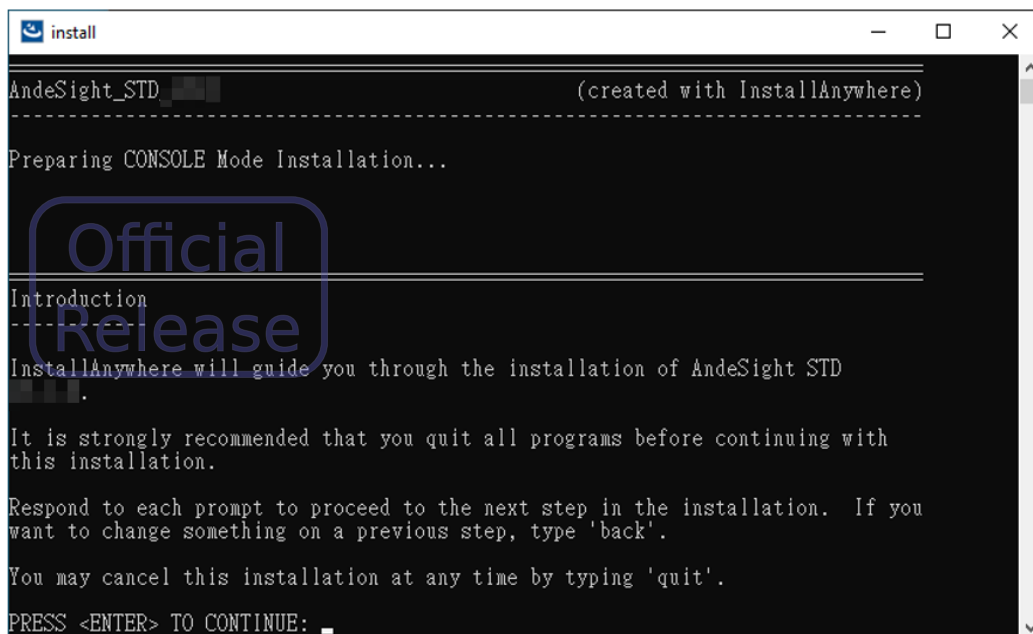
```
cd INSTALLER_ROOT\Windows\Disk1\InstData\VM
install.exe -i console
```



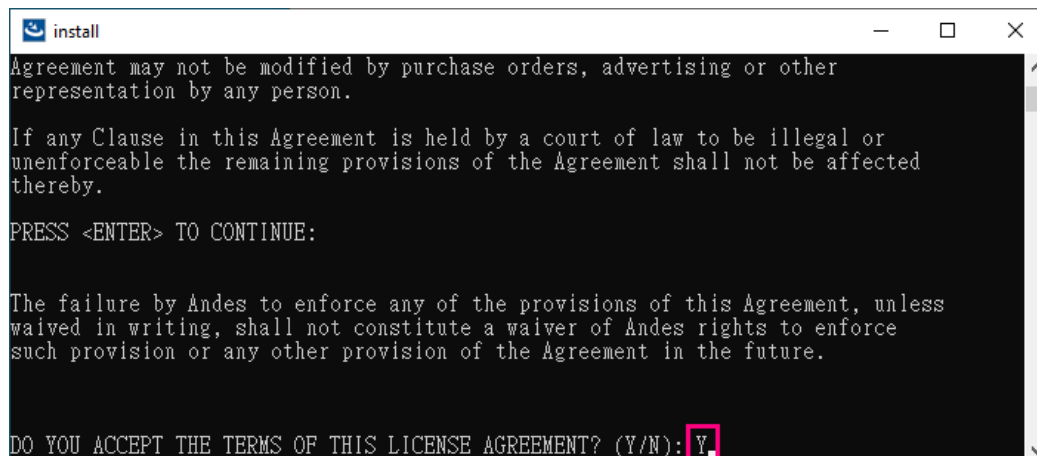
On Linux, open a terminal, change the current directory to `INSTALLER_ROOT/Linux_x64/Disk1/InstData/VM`, use the `chmod` command to ensure that the installer `install.bin` is executable and execute it.

```
$ chmod 755 install.bin
$ ./install.bin -i console
```

- Step 3** On Windows, the console-mode installation is started in a pop-up text prompt; on Linux, the installation is started directly in the working terminal. Read the introduction and press “Enter” to continue the process.

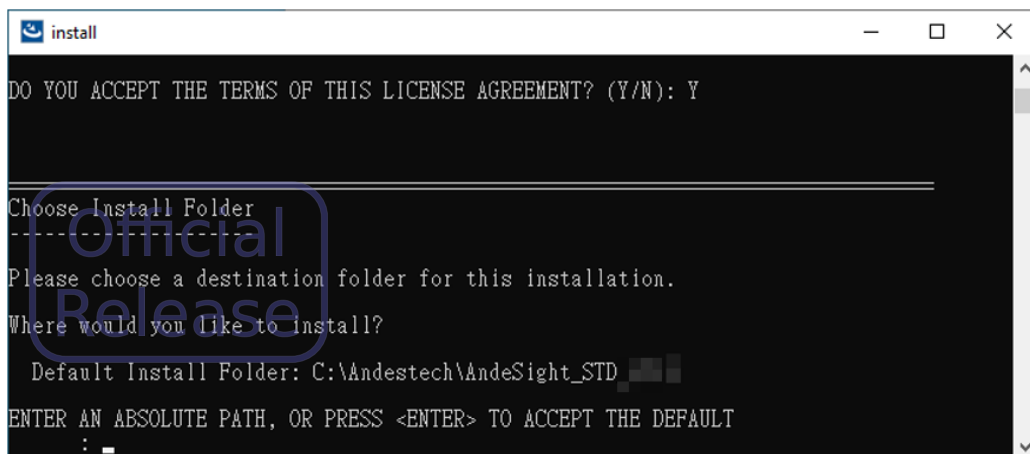


**Step 4** Press “Y” to accept the terms of license agreement.



**Step 5** Accept the default installation path by pressing “Enter” or enter the absolute installation folder path. Note that the installation path must only consist of characters (A-Z, a-z, 0-9), underscore (\_), and hyphen (-).

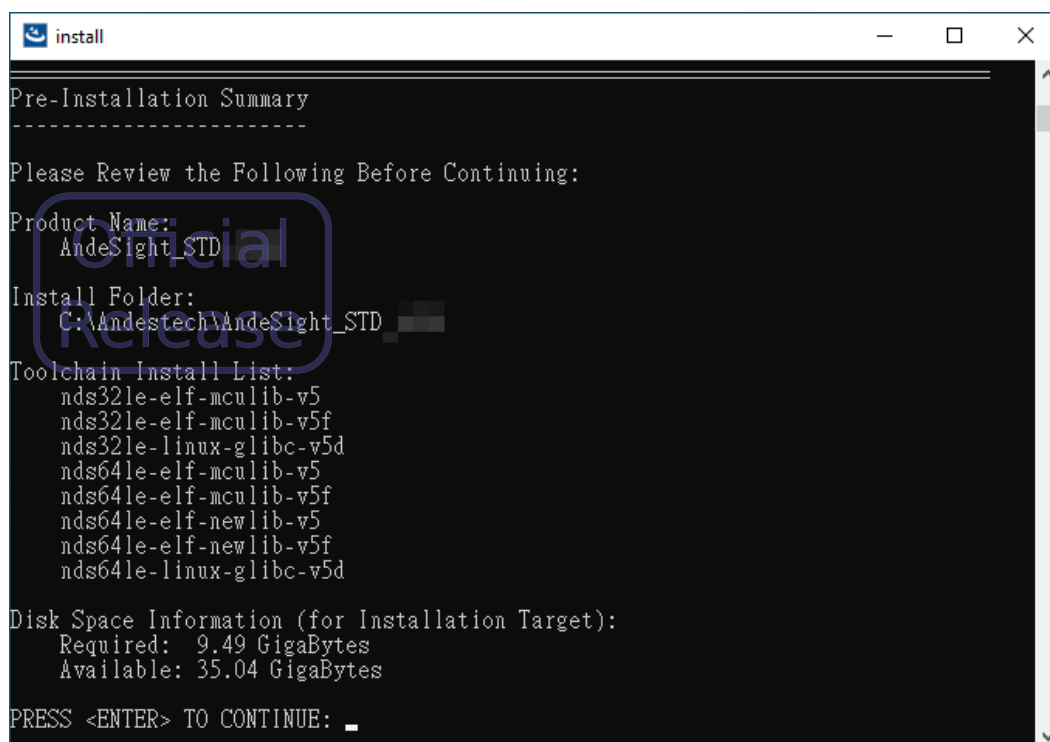




**Step 6** Enter the number for the desired install package (i.e. IDE or BSP) and press “Enter”.



**Step 7** Read the summary of the installation settings and press “Enter” to commence the installation.



```
install
Pre-Installation Summary
-----
Please Review the Following Before Continuing:

Product Name:
  AndeSight STD

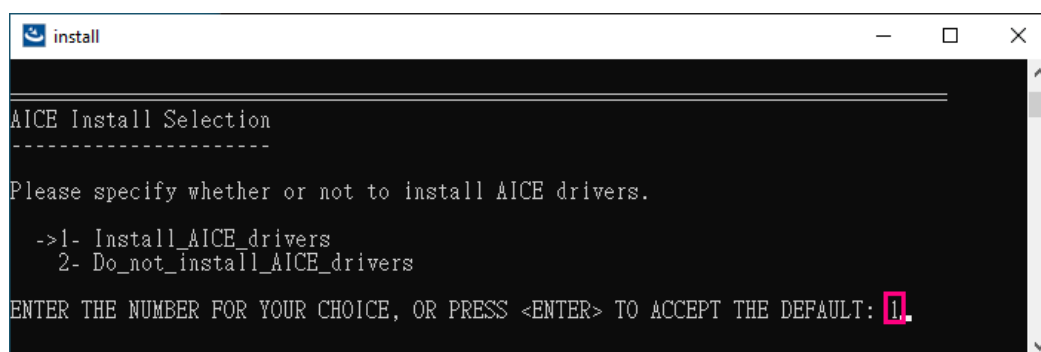
Install Folder:
  C:\Andestech\AndeSight_STD

Toolchain Install List:
  nds32le-elf-mculib-v5
  nds32le-elf-mculib-v5f
  nds32le-linux-glibc-v5d
  nds64le-elf-mculib-v5
  nds64le-elf-mculib-v5f
  nds64le-elf-newlib-v5
  nds64le-elf-newlib-v5f
  nds64le-linux-glibc-v5d

Disk Space Information (for Installation Target):
  Required:  9.49 GigaBytes
  Available: 35.04 GigaBytes

PRESS <ENTER> TO CONTINUE: _
```

**Step 8** Skip this step if you are installing AndeSight on Linux. On Windows, specify whether to install AICE drivers by entering a corresponding number and press “Enter” to continue.



```
install
AICE Install Selection
-----
Please specify whether or not to install AICE drivers.

->1- Install_AICE_drivers
   2- Do_not_install_AICE_drivers

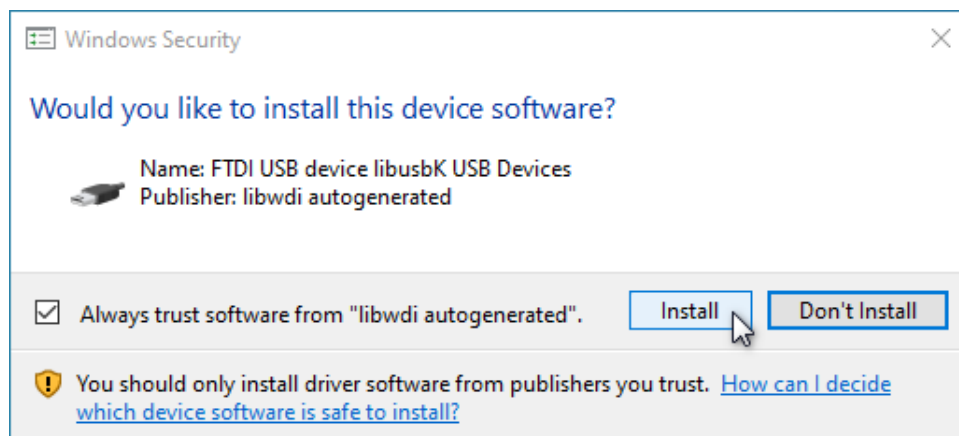
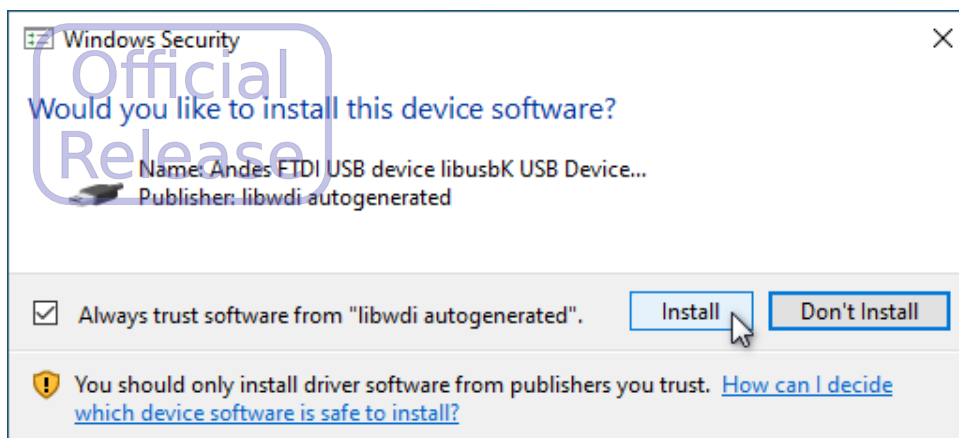
ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1_
```

**Step 9** The prompt/terminal shows the installation progress.



```
install
Installing...
-----
[=====|=====|=====|=====]
[-----|-----|-----|-----]
```

**Step 10** If you have selected to install AICE drivers on Windows, two dialogs asking for your confirmation to install ICE drivers will pop up during the installation. Click “Install” on the dialogs.



**Step 11** Jump to Step 14 if you are installing the BSP package. Otherwise, specify your license type for AndeSight STD IDE and press “Enter”.



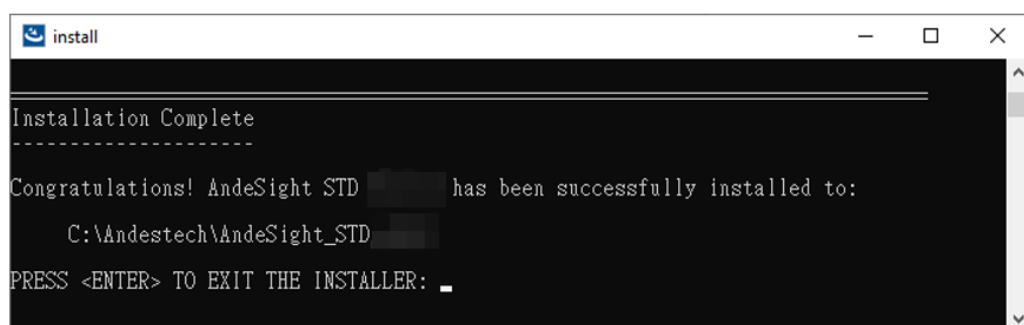
**Step 12** Enter the number for your desired display language in the AndeSight STD IDE and press “Enter”.



**Step 13** Enter the number for your desired UI mode (STD or MCU) in the AndeSight STD IDE and press “Enter”.



**Step 14** The prompt/terminal informs you of the successful installation. Press “Enter” to exit the console.



For Linux users, change the current directory to the AndeSight

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installation directory and execute the script `install_linux_package.sh` with root privileges. This script enables you to run an ICEman shell script and install additional Linux packages.

```
$ sudo ./install_linux_package.sh
```

The installation process of AndeSight STD is complete at this point.

## 2.3. Silent mode

The silent installation uses all default settings in the installer and involves no user interface except confirmation dialogs for installing ICE drivers (see Section 2.1, Step 10).

To perform a silent installation on Windows, open a command line console and follow below to change the current directory to where the installer `install.exe` is located and run the installer with “`-i silent`” commands.

```
$ cd INSTALLER_ROOT\windows\Disk1\InstData\VM
$ install.exe -i silent
```

On Linux, use the following commands to execute a silent installation:

```
$ cd INSTALLER_ROOT/Linux_x64/Disk1/InstData/VM
$ ./install.bin -i silent
```

The “`-i silent`” command executes the installation with default configuration values, which installs the IDE package with a layout of MCU mode, sets the installation path to `C:\Andestech\AndeSight_STD_VERSION` on Windows and `/local/Andestech/AndeSight_STD_VERSION` on Linux, specifies activation code as the license type and English as the IDE display language, and installs Andes ICE drivers if the installation is on Windows. If you need a different configuration, edit the configuration file (`install.properties`) for desired settings and run the installer with the edited file. The file is placed under `INSTALLER_ROOT\windows\Disk1\InstData` on Windows and `INSTALLER_ROOT/Linux_x64/Disk1/InstData` on Linux. The following shows its format on Windows for your reference. You may edit the file to change the install package, installation directory, license type, IDE display mode and language, and whether to install ICE drivers or not on Windows. For example, you may set “`AICE_INSTALL=0`” in the file to avoid the installation of ICE drivers and the pop-ups of associated confirmation dialogs during AndeSight silent installation on Windows. Note that the installation directory you specify in the configuration file must comply with the path convention in your operating system.

```
# Fri Nov 17 10:16:23 CST 2017
# Replay feature output
# -----
```

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```
# This file was built by the Replay feature of InstallAnywhere.
# It contains variables that were set by Panels, Consoles or Custom Code.

INSTALLER_UI=silent

#Choose Install Folder
#-----
USER_INSTALL_DIR=C:\\Andestech\\AndeSight_STD

#License Type Selection
#-----
#LICENSE_TYPE_A: Activation Code, LICENSE_TYPE_F: Floating License,
LICENSE_TYPE_N:Node-Lock License
#-----
LICENSE_TYPE_A=1
LICENSE_TYPE_F=0
LICENSE_TYPE_N=0

#Language Selection
#-----
#LANGUAGE_zh: Simplified Chinese, LANGUAGE_en_US: English, LANGUAGE_ja:
Japanese
#-----
LANGUAGE_zh=0
LANGUAGE_en_US=1
LANGUAGE_ja=0

#AndeSight UI Selection
#-----
#UI_MCU: Provides a streamlined UI specialized for developing micro-
controller applications.
#UI_STD: Comprises a full-featured layout to fulfill all development
requirements.
UI_MCU=1
UI_STD=0

#IDE / BSP Selection
#-----
#Andes_IDE: IDE (Integrated Development Environment) allows you to develop
with feature-rich GUI.
```

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```
#Andes_BSP: BSP (Board Support Package) is for working with command line interface.
```

```
Andes_IDE=1
```

```
Andes_BSP=0
```

```
#AICE INSTALL Selection
```

```
#-----
```

```
#Select install AICE or not on windows.
```

```
#-----
```

```
AICE_INSTALL=1
```

To execute a silent installation with a changed configuration, use “-f **PATH\_TO\_INSTALL.PROPERTIES**” commands to run the installer as follows:

(On Windows)

```
$ cd INSTALLER_ROOT\windows\Disk1\InstData\VM
```

```
$ install.exe -f
```

```
INSTALLER_ROOT\windows\Disk1\InstData\install.properties
```

(On Linux)

```
$ cd INSTALLER_ROOT/Linux_x64/Disk1/InstData/VM
```

```
$ ./install.bin -f
```

```
INSTALLER_ROOT/Linux_x64/Disk1/InstData/install.properties
```



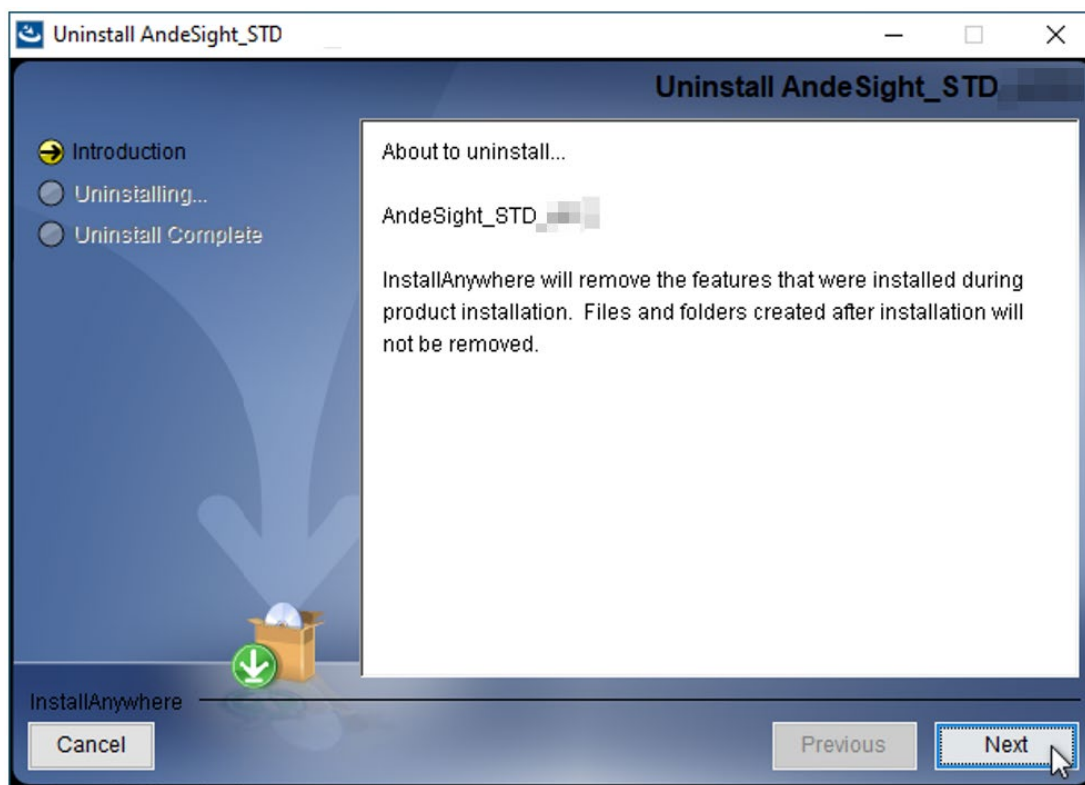
## 3. Un-installation

**Step 1** Execute the AndeSight uninstaller as follows to invoke the uninstallation wizard:

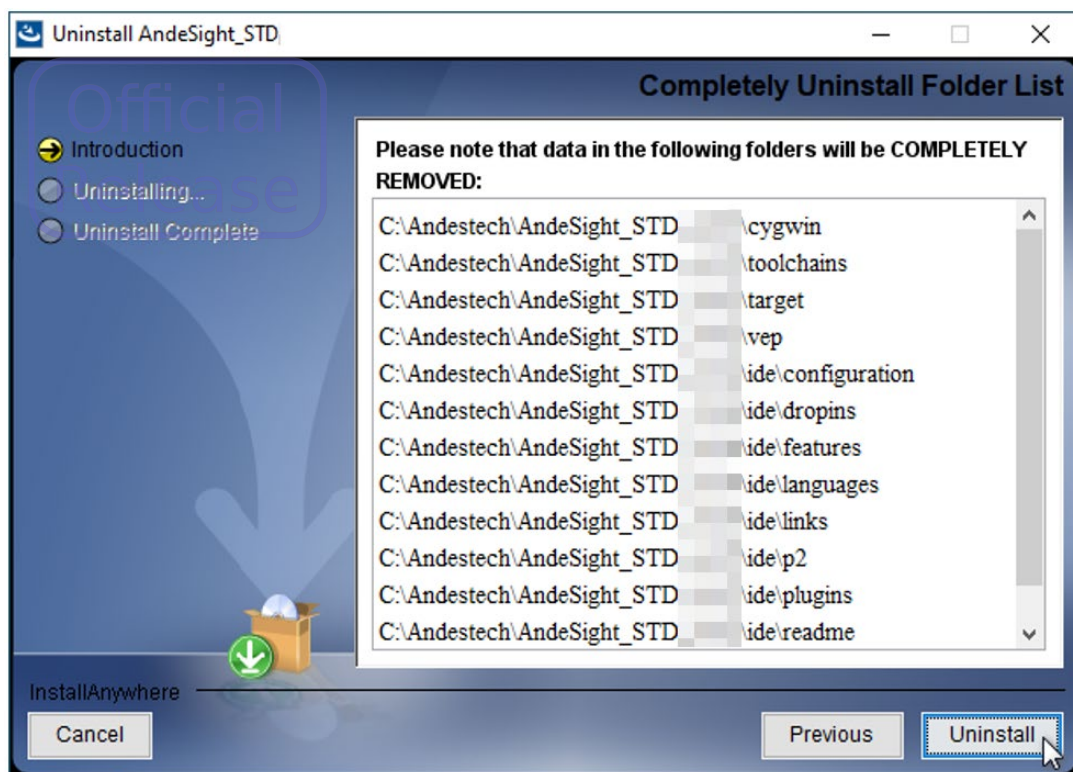
- On Windows, double-click `Uninstall_AndeSight_STD_VERSION.exe` under the path `ANDESIGHT_ROOT\Uninstall_AndeSight_STD_VERSION.`
- On Linux, execute `Uninstall_AndeSight_STD_VERSION` under the directory `ANDESIGHT_ROOT/Uninstall_AndeSight_STD_VERSION` by issuing the following command in the console:  

```
$ ./Uninstall_AndeSight_STD_VERSION
```

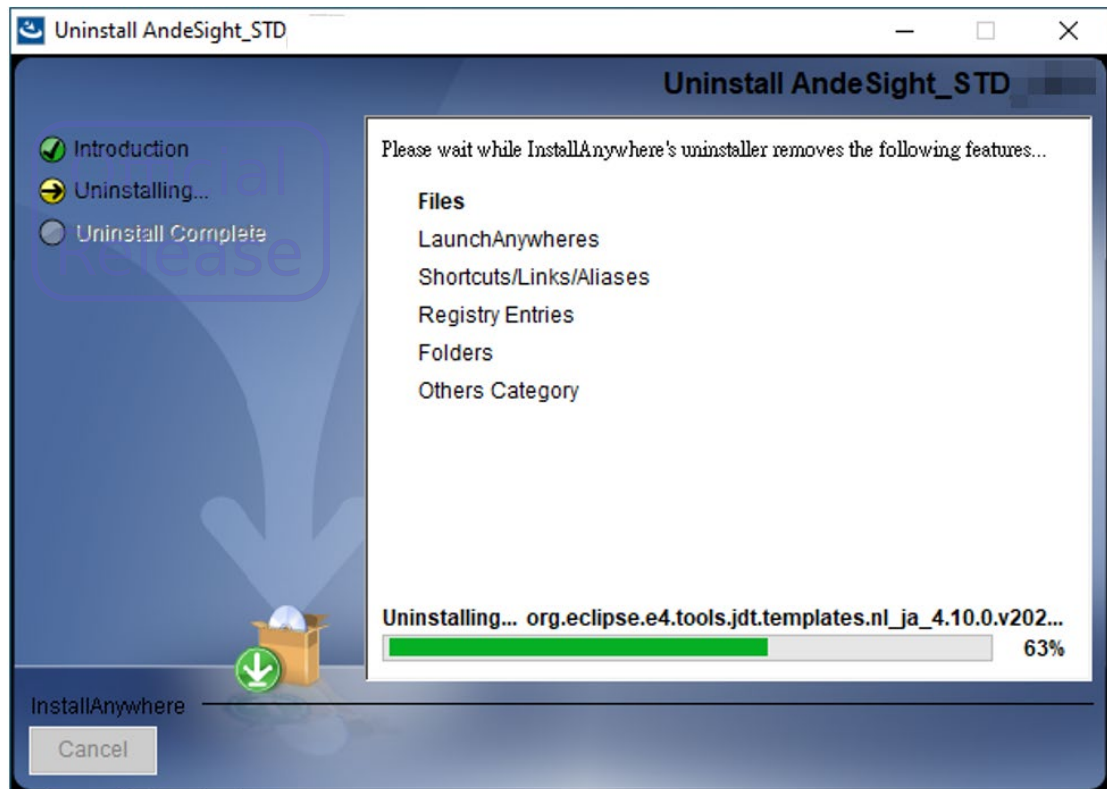
Then, click “Next” to continue.



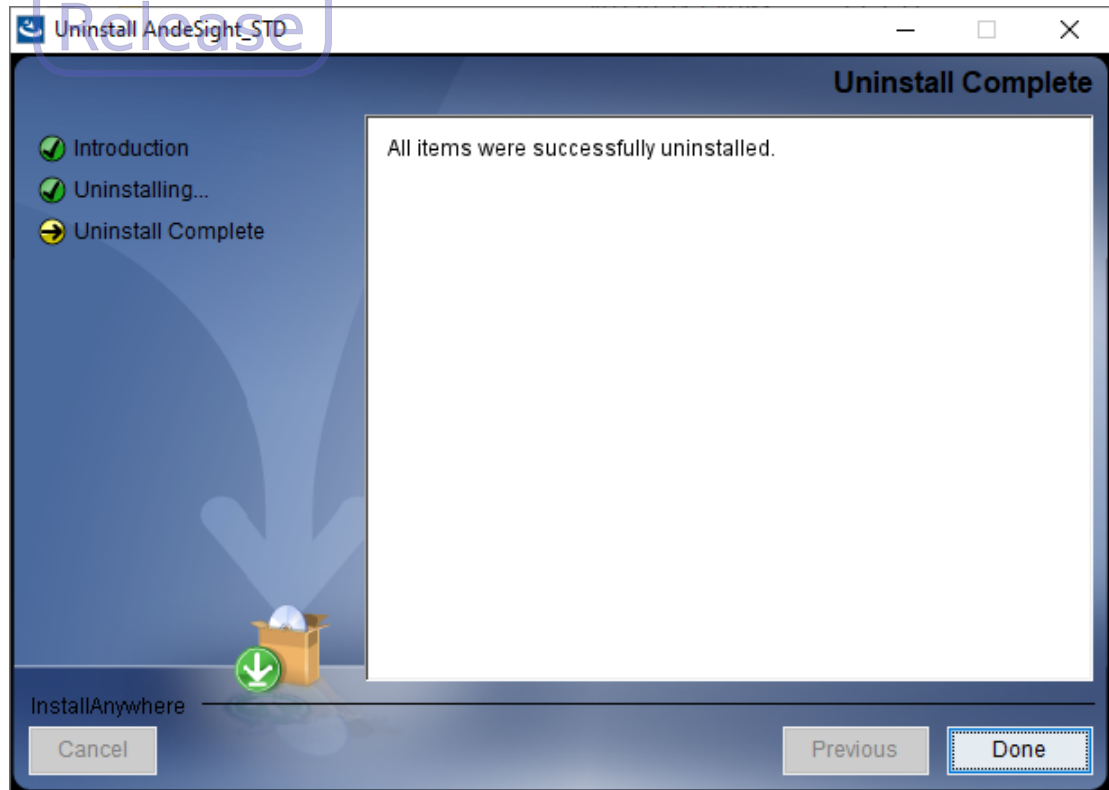
**Step 2** The wizard page shows a summary of folders that will be deleted. Click “Uninstall” to commence the un-installation process.



**Step 3** Wait for the un-installation to complete.



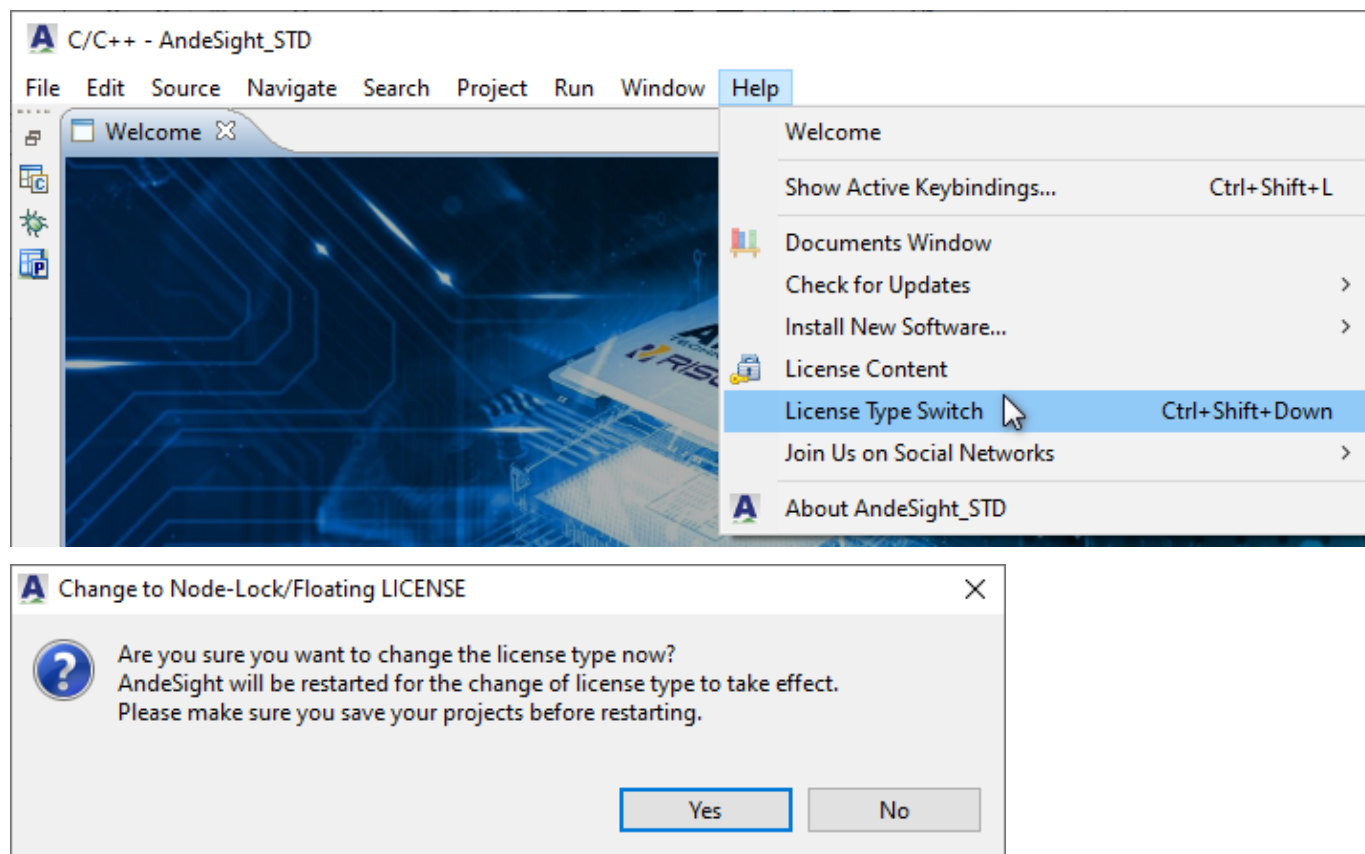
- Step 4** Upon the un-installation process finishes, the wizard page informs you of the successful un-installation. Click “Done” then to complete the process. If the wizard page informs you items that could not be removed, please delete these files manually after you quit the uninstallation wizard.



## 4. License activation for AndeSight IDE

AndeSight STD IDE accepts three license types: activation code, node-locked license, and floating license. Please contact Andes ([support@andestech.com](mailto:support@andestech.com)) to obtain a valid license and follow the subsections below to activate it on AndeSight.

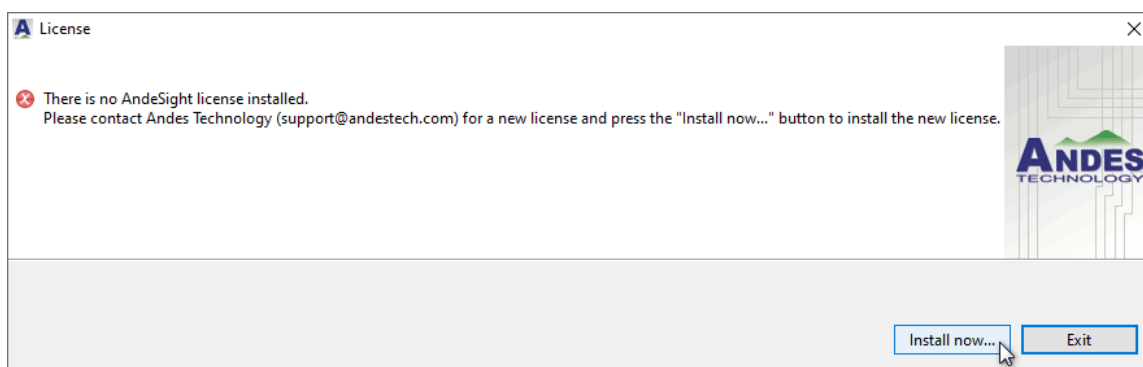
To switch between license types after the AndeSight IDE is installed, select “Help > License Type Switch” from the AndeSight main menu and click “Yes” in the license switch prompt:



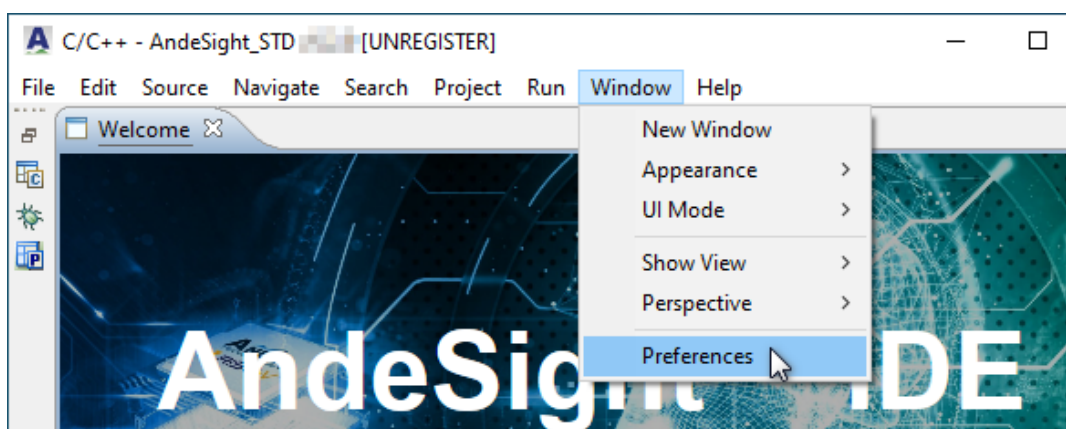
## 4.1. Activation code

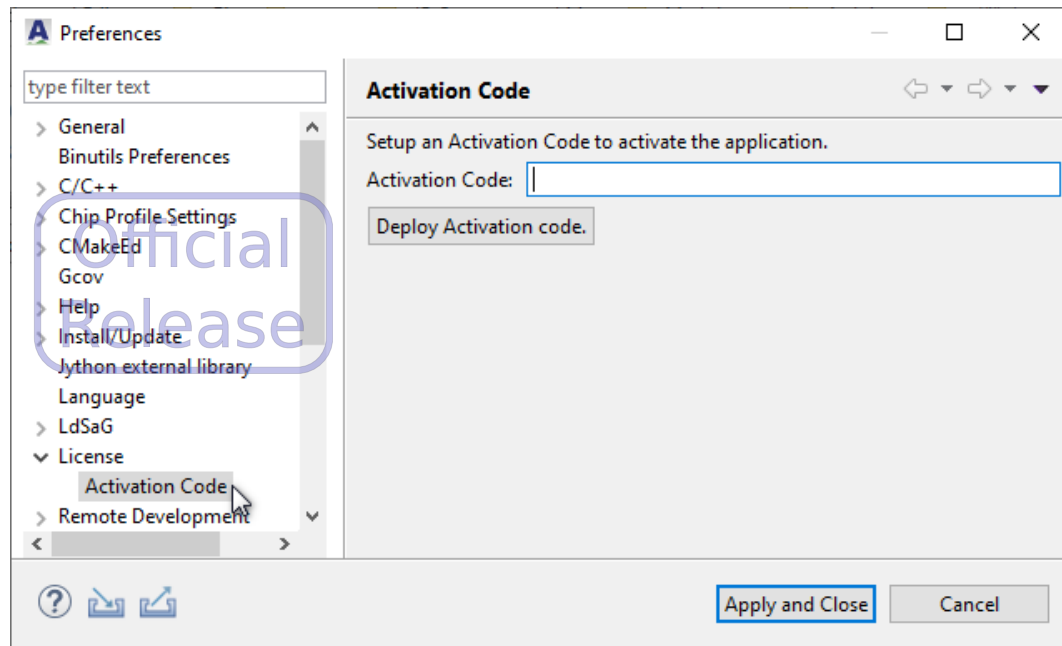
**Step 1** Follow the procedure in Chapter 2 to install AndeSight STD IDE. Make sure you choose “Activation Code” in Step 11.

**Step 2** Execute AndeSight IDE. A License dialog pops out to remind you that no license is installed yet. Click the “Install now ...” button on the dialog to invoke the page that allows you to input the activation code.

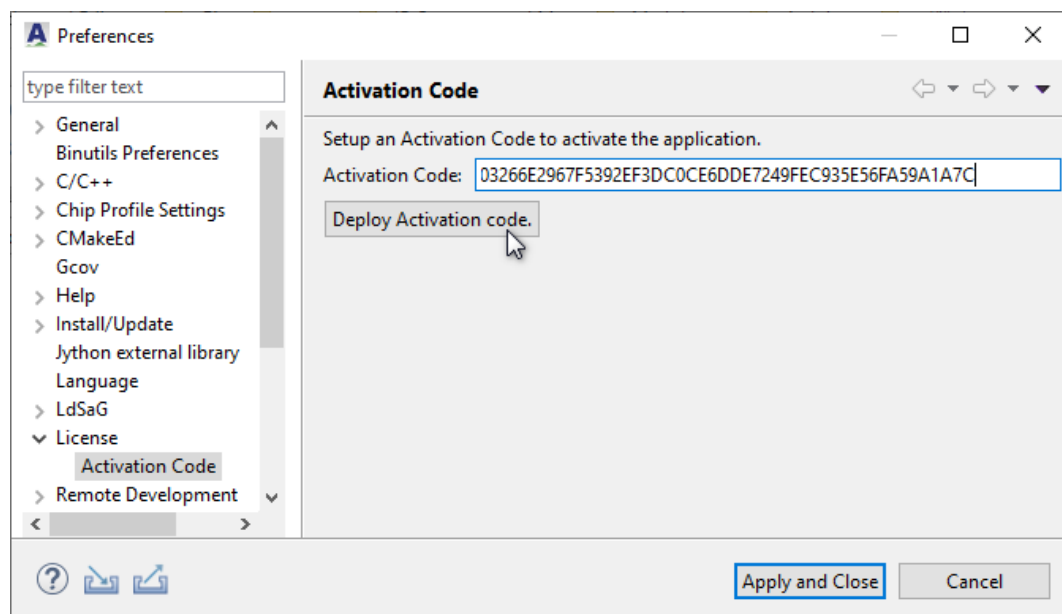


You can also click “Windows > Preferences” on the AndeSight main menu to invoke the Preferences dialog and then click “License > Activation Code” on the navigation pane to access this page.



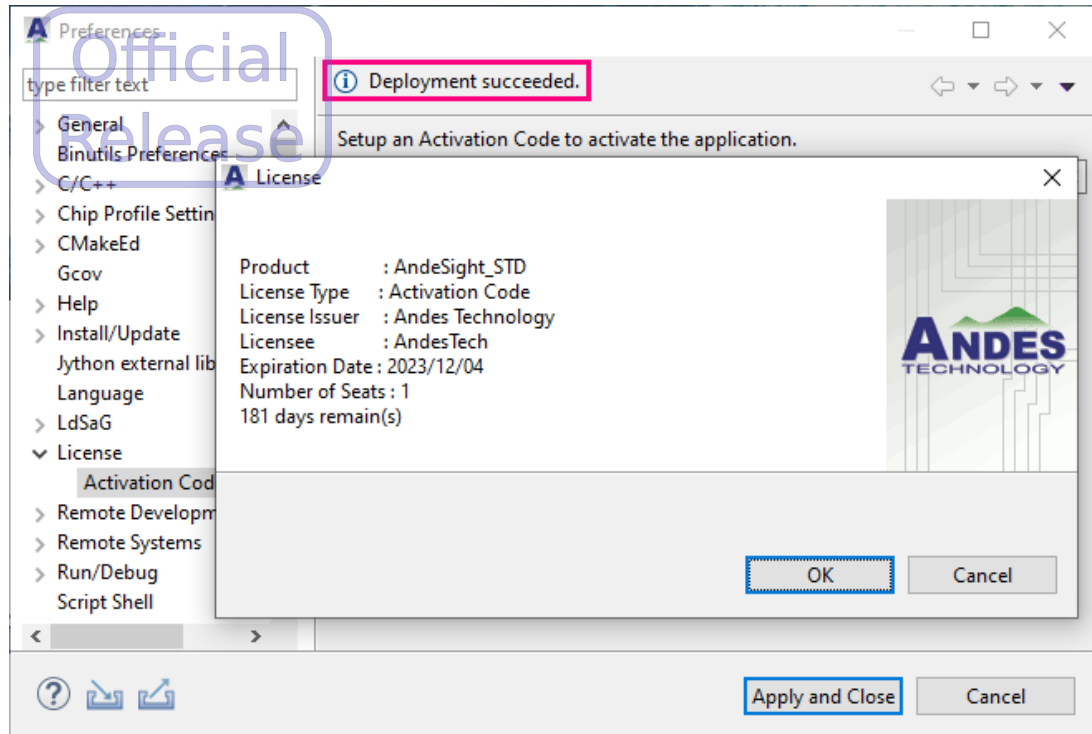


**Step 3** Enter a valid activation code received from Andes Technology Corporation. Then, click “Deploy Activation code” or the “OK” Button.





**Step 4** The Preferences wizard informs you of the successful license deployment. A wizard containing license information pops out next. Click “OK” to complete the license activation.

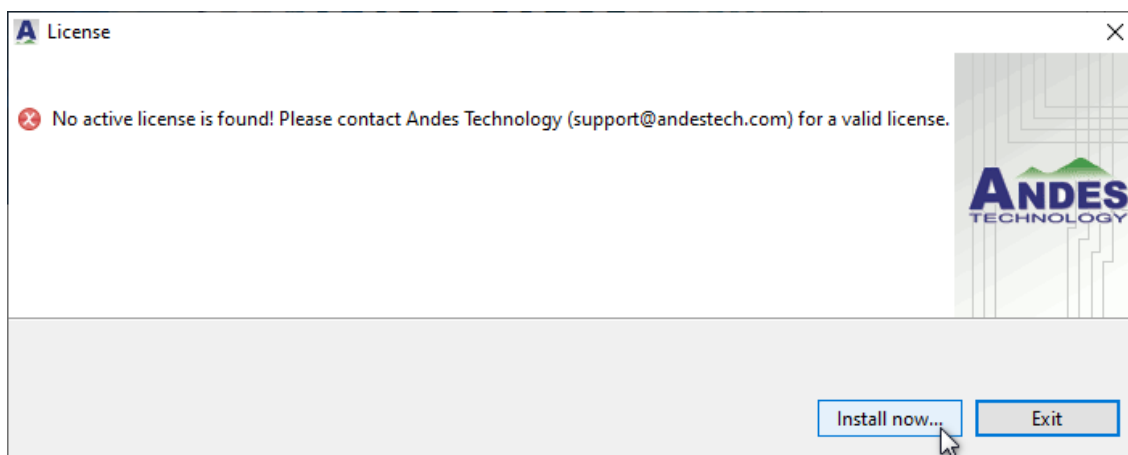




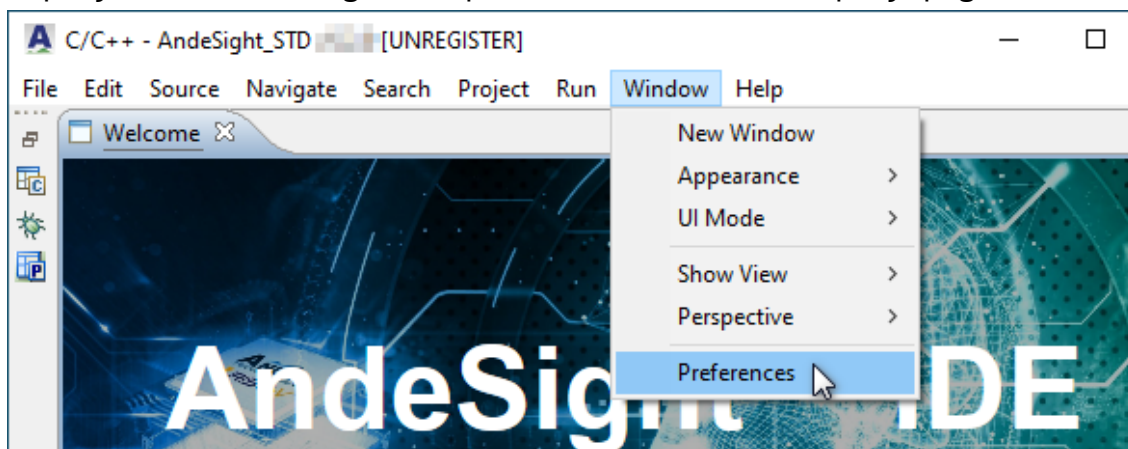
## 4.2. Node-locked license

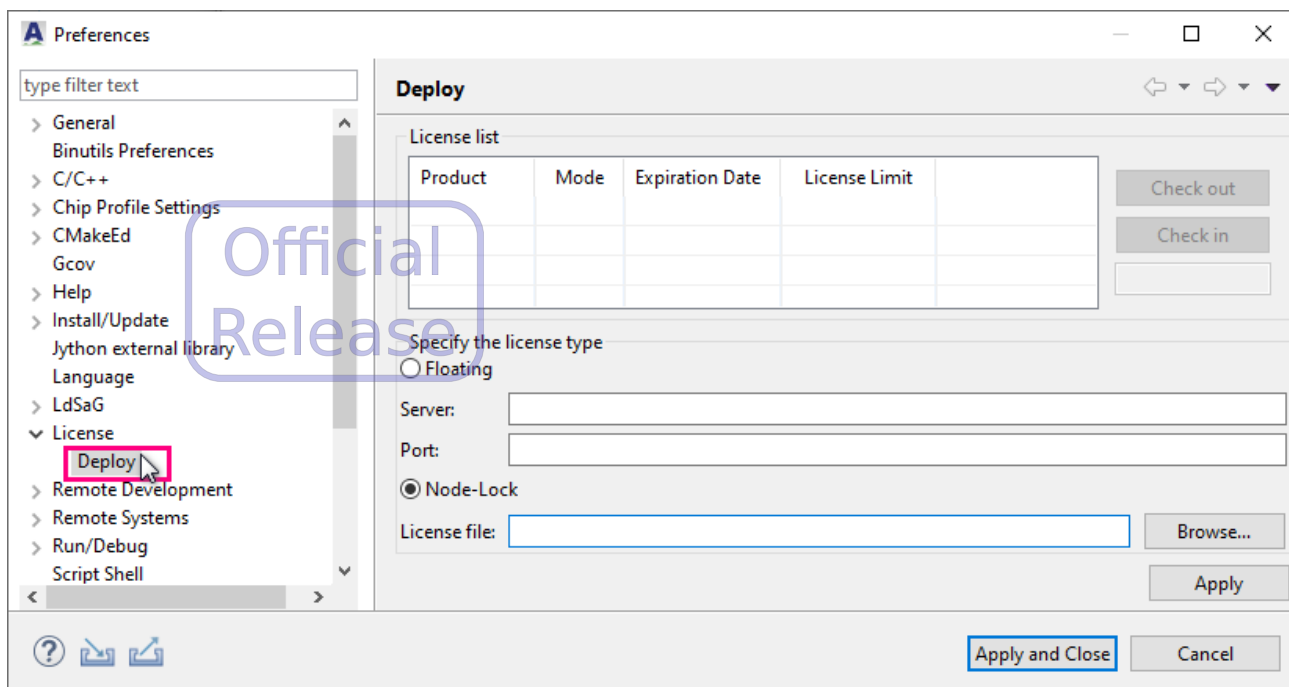
**Step 1** Follow the procedure in Chapter 2 to install AndeSight STD IDE. Make sure you choose “Node-Lock License” in Step 11.

**Step 2** Execute AndeSight. A License dialog pops out to remind you that there is no active license yet. Click the “Install now ...” button on the dialog to invoke the Deploy page that allows you to specify the node-locked license.

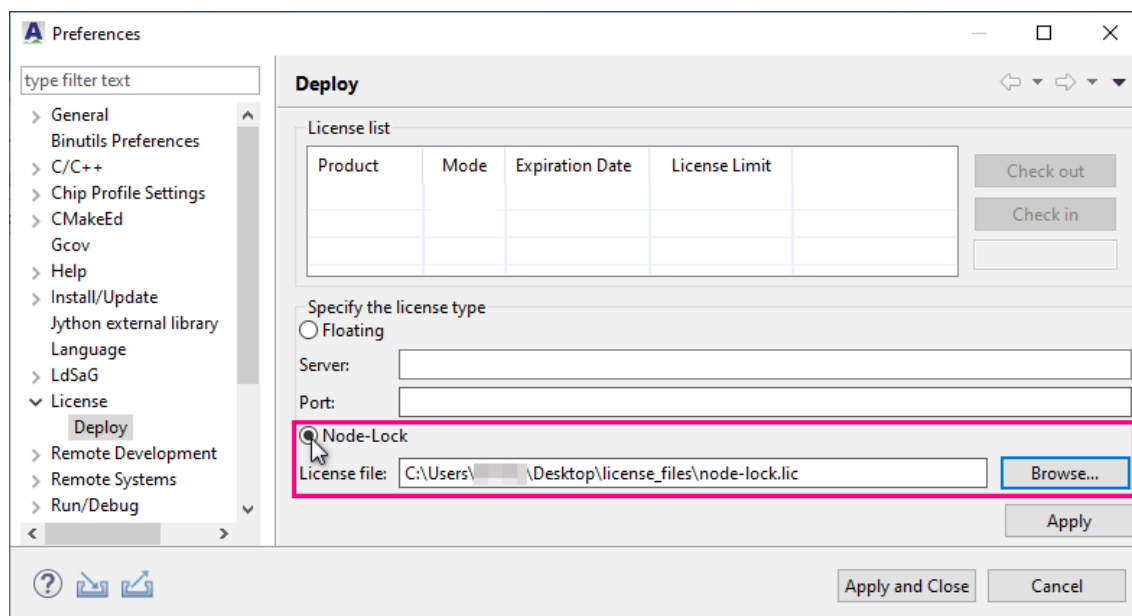


You can also click “Windows > Preferences” on the AndeSight main menu to invoke the Preferences dialog and then click “License > Deploy” on the navigation pane to access the Deploy page.

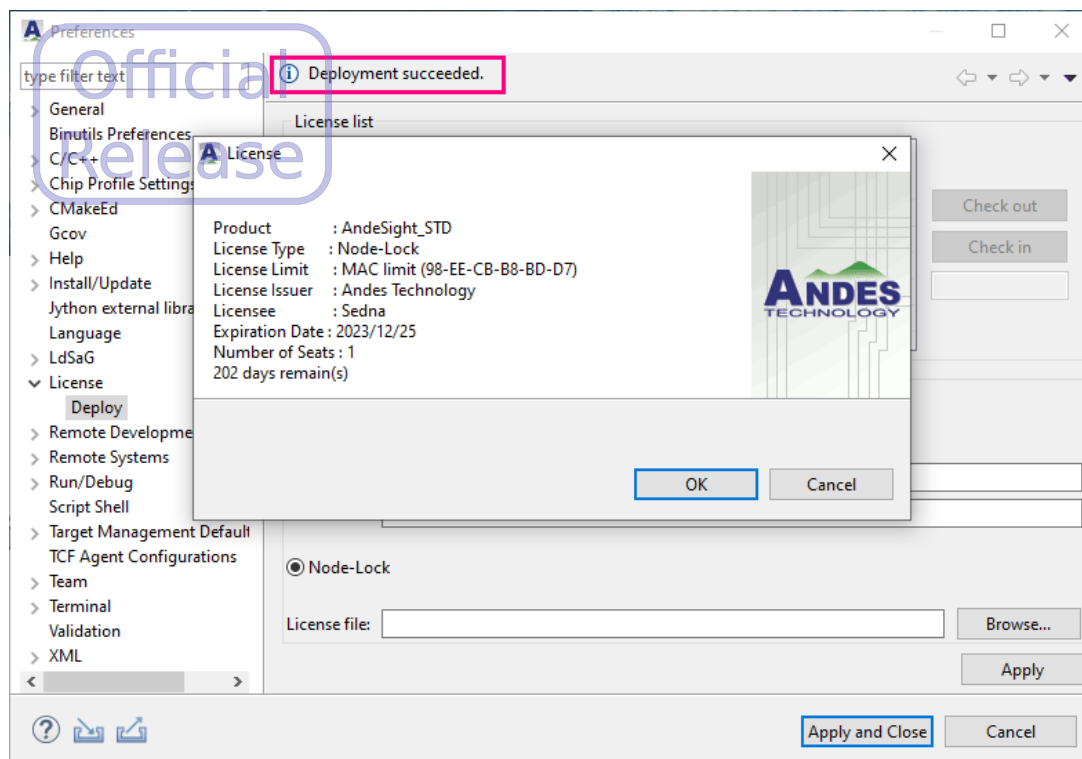




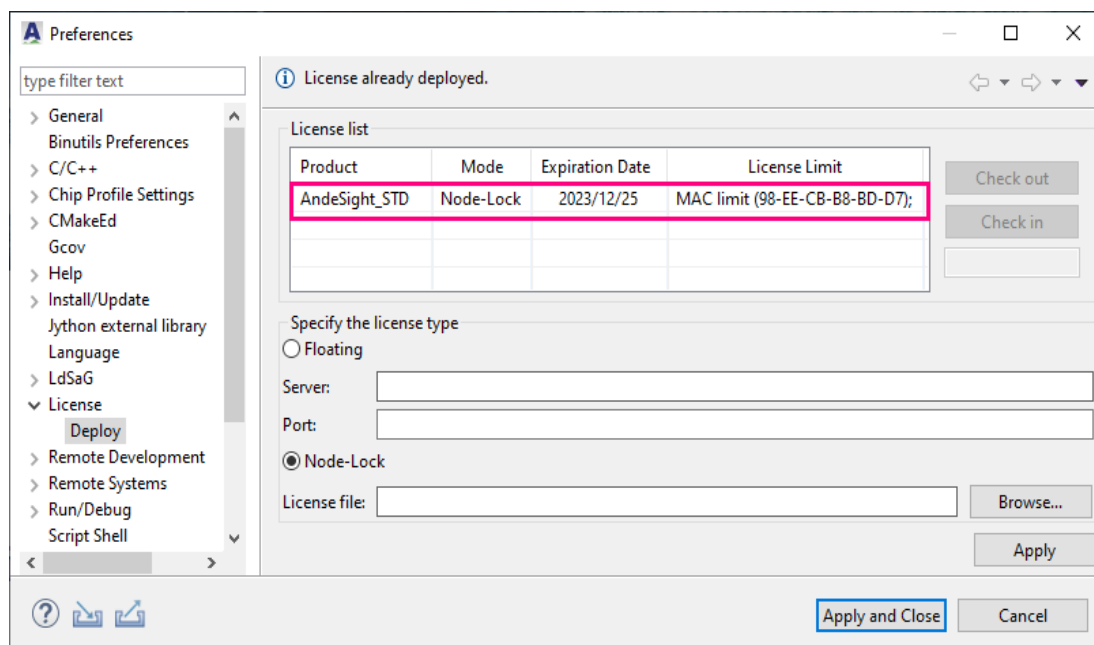
**Step 3** Check the “Node-lock” option on the Deploy page and click “Browse...” to select a valid license file received from Andes Technology Corporation. Click “Apply” then.



**Step 4** The Preferences wizard informs you of the successful license deployment. A wizard containing license information pops out next. Click “OK” to complete the license activation.



The deployed license and its information will also be shown in the License List table on the Deploy page.



## 4.3. Floating license

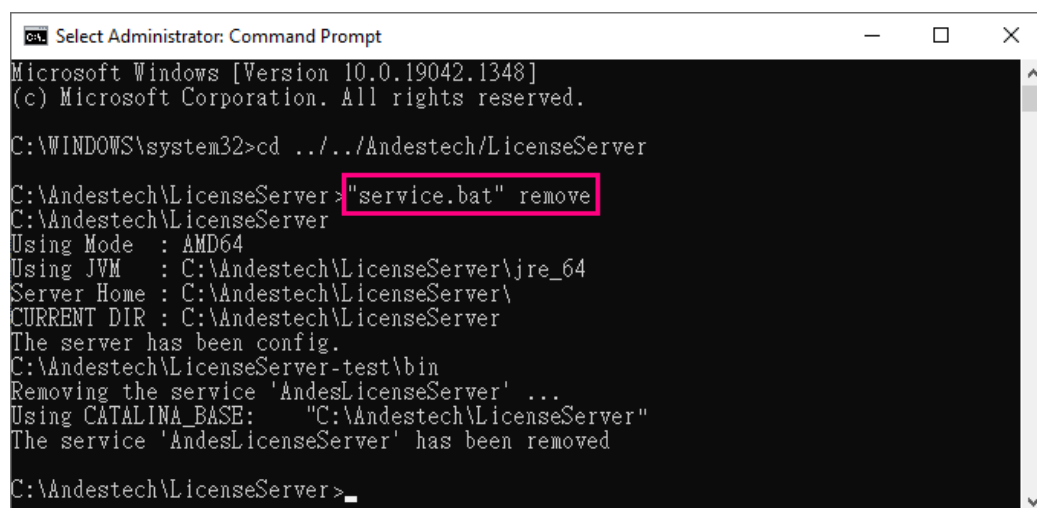
### 4.3.1. License server

Floating licenses need to be managed by a License Server and their license files are only valid for 14 days once issued by Andes. Be sure to follow instructions below to set up a License Server and deploy licenses within the validity period of the files. The following are requirements for starting up a License Server:

- RAM requirement: 128M or upper
- Operating system: Windows 10, Windows 11 or Linux

Note that License Server is not supported on a virtual machine. In addition, License Server may not be launched successfully if an earlier version of License Server has been installed in the system. You will thus need to export existing licenses for backup or migration purposes first, and shut down the working License Server before installing a new one. For details about the license export process, see Section 4.3.1.1, Step 1. To shut down the running License Server on Linux, execute `shutdown.sh` under the License Server installation folder; to terminate the service of current License Server on Windows, you will have to run a command prompt as an administrator, change the current directory to where the existing License Server is installed, and issue as follows:

`"service.bat" remove`



```

ca. Select Administrator: Command Prompt
Microsoft Windows [Version 10.0.19042.1348]
(c) Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>cd ../../Andestech/LicenseServer

C:\Andestech\LicenseServer>"service.bat" remove
C:\Andestech\LicenseServer>
Using Mode : AMD64
Using JVM : C:\Andestech\LicenseServer\jre_64
Server Home : C:\Andestech\LicenseServer\
CURRENT DIR : C:\Andestech\LicenseServer
The server has been config.
C:\Andestech\LicenseServer-test\bin
Removing the service 'AndesLicenseServer' ...
Using CATALINA_BASE: "C:\Andestech\LicenseServer"
The service 'AndesLicenseServer' has been removed

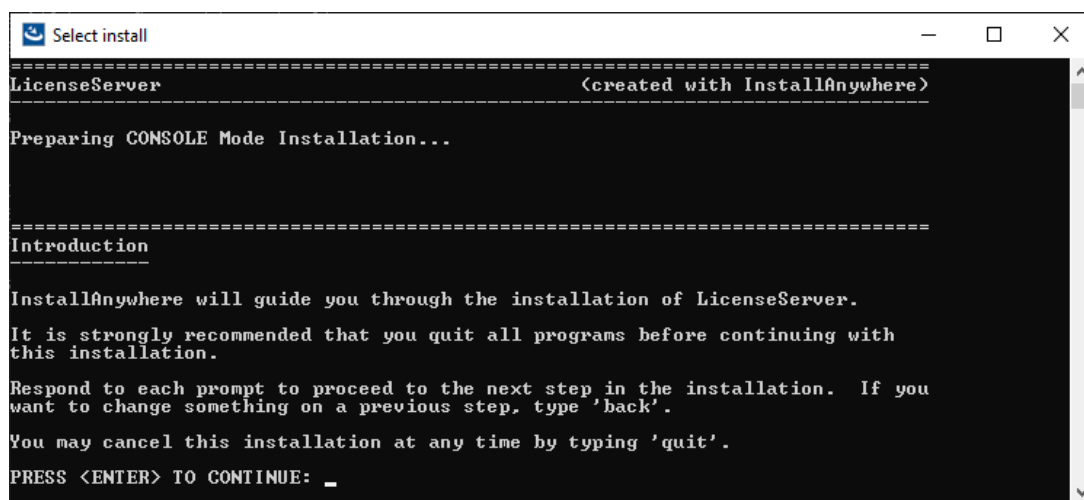
C:\Andestech\LicenseServer>
  
```

The following describes how to install and launch a License Server:

## NOTE

In Windows environment, make sure you install or launch the license server as an administrator.

- Step 1** Save the Andes License Server installer package to a local directory which only consists of characters (A-Z, a-z, 0-9), underscore (\_), and hyphen (-).
- Step 2** Execute the installer as follows:
- On Windows, double-click `install.exe` under the directory `LICENSESERVER_ROOT\Windows\Disk1\InstData\VM`
  - On Linux, execute `install.bin` under the directory `LICENSESERVER_ROOT/Linux_x64/Disk1/InstData/VM` by issuing the following command in the console: `$ ./install.bin`
- Step 3** Press “Enter” to commence the License Server installation.



```
Select install
LicenseServer (created with InstallAnywhere)
Preparing CONSOLE Mode Installation...

Introduction
-----
InstallAnywhere will guide you through the installation of LicenseServer.
It is strongly recommended that you quit all programs before continuing with
this installation.

Respond to each prompt to proceed to the next step in the installation.  If you
want to change something on a previous step, type 'back'.

You may cancel this installation at any time by typing 'quit'.

PRESS <ENTER> TO CONTINUE: _
```

- Step 4** Press “Y” to accept the terms of license agreement.

```
install
with all documentation and related materials.
8.    GENERAL
This Agreement is governed by Republic of China (Taiwan) Law.
This is the only agreement between you and Andes relating to the Software and
it may only be modified by written agreement between you and Andes. This
Agreement may not be modified by purchase orders, advertising or other
representation by any person.
If any Clause in this Agreement is held by a court of law to be illegal or
unenforceable the remaining provisions of the Agreement shall not be affected
thereby.
PRESS <ENTER> TO CONTINUE:
The failure by Andes to enforce any of the provisions of this Agreement, unless
waived in writing, shall not constitute a waiver of Andes rights to enforce
such provision or any other provision of the Agreement in the future.
DO YOU ACCEPT THE TERMS OF THIS LICENSE AGREEMENT? <Y/N>: Y
```

**Step 5** Accept the default installation path by pressing “Enter” or enter the absolute installation folder path. Note that the installation must be on a physical machine (i.e., not a virtual machine) and the installation path must only consist of characters (A-Z, a-z, 0-9), underscore (\_), and hyphen (-).

```
install
The failure by Andes to enforce any of the provisions of this Agreement, unless
waived in writing, shall not constitute a waiver of Andes rights to enforce
such provision or any other provision of the Agreement in the future.
DO YOU ACCEPT THE TERMS OF THIS LICENSE AGREEMENT? <Y/N>: Y
=====
Choose Install Folder
=====
Where would you like to install?
Default Install Folder: C:\Andestech\LicenseServer
ENTER AN ABSOLUTE PATH OR PRESS <ENTER> TO ACCEPT THE DEFAULT
: D:\Andestech\LicenseServer
INSTALL FOLDER IS: D:\Andestech\LicenseServer
IS THIS CORRECT? <Y/N>: Y
```

**Step 6** Specify the port number of the start port and stop port. Then, press “Enter” to continue the installation.

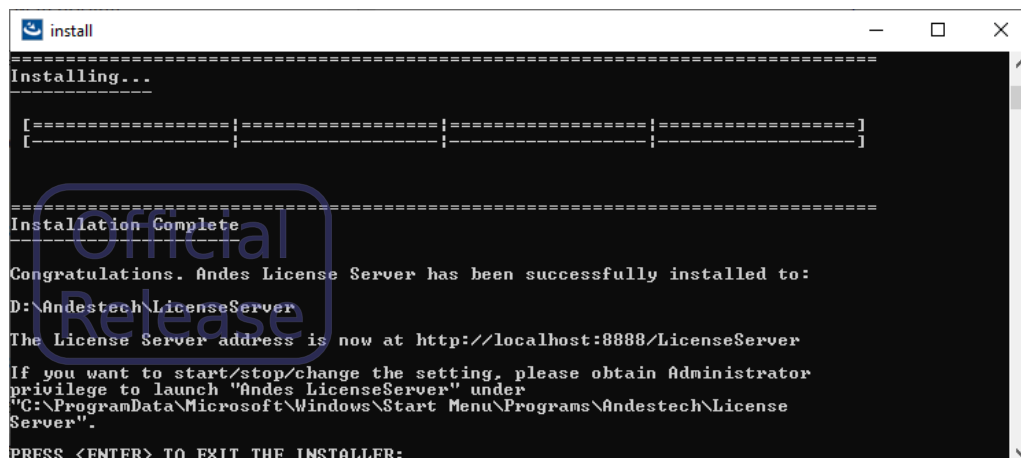
```
install
=====
Choose Install Folder
=====
Where would you like to install?

  Default Install Folder: C:\Andestech\LicenseServer
ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
: D:\Andestech\LicenseServer
INSTALL FOLDER IS: D:\Andestech\LicenseServer
IS THIS CORRECT? <Y/N>: Y
=====
License Server Port Setting
=====
Please Specify the Start/Stop Port for License Server
Start Port <Default: 8080>: 8080
Stop Port <Default: 8080>: 8080
```

**Step 7** The console shows the summary of the installation settings. Press “Enter” to commence the installation.

```
install
=====
Pre-Installation Summary
=====
Please Review the Following Before Continuing:
Product Name:
  LicenseServer
Install Folder:
  D:\Andestech\LicenseServer
Shortcut Folder:
  C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Andestech\License Server
Disk Space Information <for Installation Target>:
  Required: 656.47 MegaBytes
  Available: 136,002.27 MegaBytes
PRESS <ENTER> TO CONTINUE:
=====
Ready To Install
=====
InstallAnywhere is now ready to install LicenseServer onto your system at the
following location:
  D:\Andestech\LicenseServer
PRESS <ENTER> TO INSTALL:
```

**Step 8** The console informs you of the successful installation. Press “Enter” to exit the console.



```
install
Installing...

[=====|=====|=====|=====]
[-----|-----|-----|-----]

Installation Complete

Congratulations. Andes License Server has been successfully installed to:
D:\Andestech\LicenseServer
The License Server address is now at http://localhost:8888/LicenseServer
If you want to start/stop/change the setting, please obtain Administrator
privilege to launch "Andes LicenseServer" under
"C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Andestech\License
Server".
PRESS <ENTER> TO EXIT THE INSTALLER: _
```

To start the license server in Linux environment, make sure you execute `startup.sh` under the License Server installation folder.

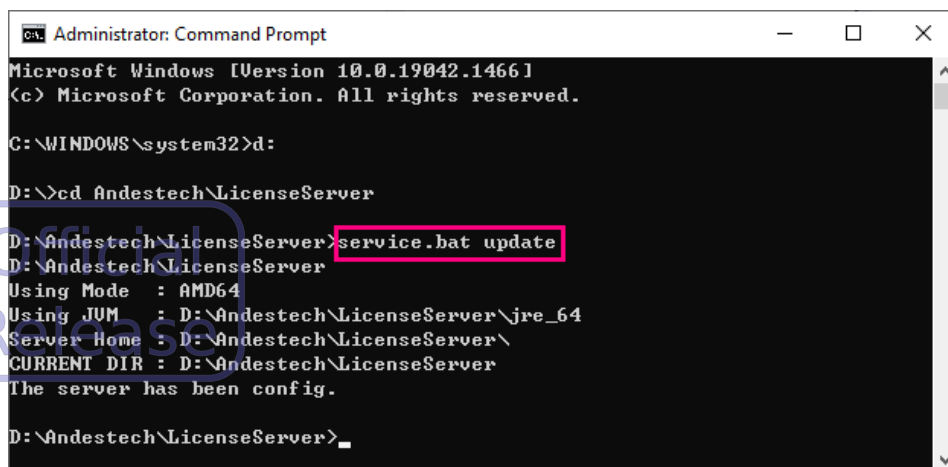
**Step 9** If you want to change the start/stop port, edit `conf.properties` under the installation folder of Licenser Server to modify the following values:

```
start_port=8888
stop_port=8088
```

For the changes to take effect, follow below to restart Andes License server:

- On Windows
  1. Run a command prompt as an administrator and change the current directory to where the existing License Server is installed. Then, issue "`service.bat update`" to update the service of existing License Server.





```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19042.1466]
(c) Microsoft Corporation. All rights reserved.

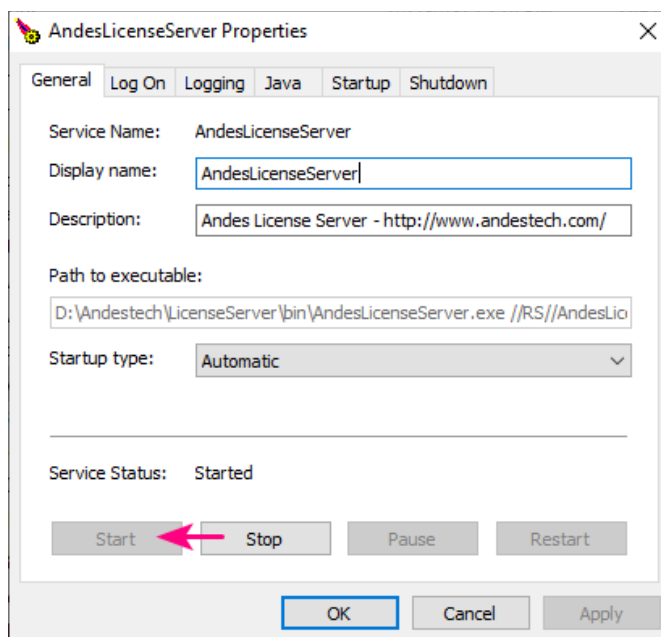
C:\WINDOWS\system32>d:

D:\>cd Andestech\LicenseServer

D:\Andestech\LicenseServer>service.bat update
D:\Andestech\LicenseServer
Using Mode : AMD64
Using JVM : D:\Andestech\LicenseServer\jre_64
Server Home : D:\Andestech\LicenseServer\
CURRENT DIR : D:\Andestech\LicenseServer
The server has been config.

D:\Andestech\LicenseServer>
```

2. Execute `AndesLicenseServer.exe` under the installation folder of Licenser Server as an administrator. In the invoked Andes LicenseServer Properties wizard, click on the “Stop” button and then the “Start” button” to re-activate the service.

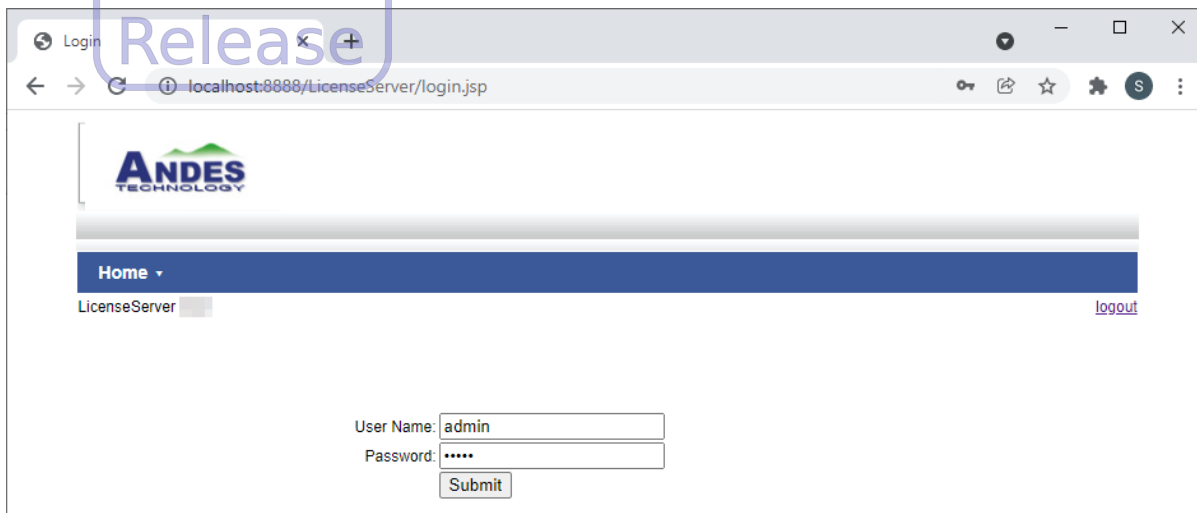


- On Linux

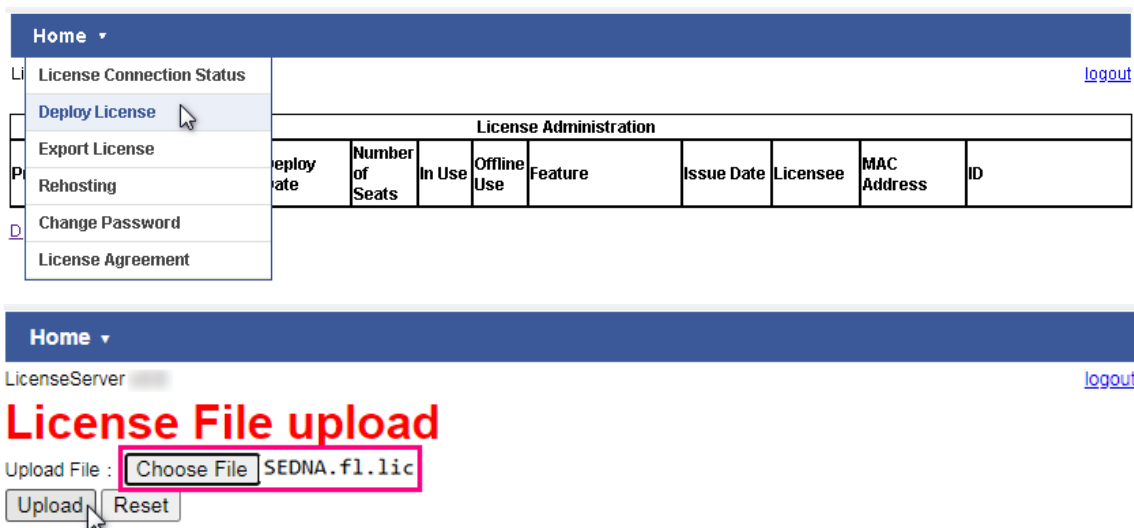
Execute `shutdown.sh` and then `startup.sh` under the License Server installation folder to re-start the service.

**Step 10** Open a web browser and launch

`http://SERVER_NAME:PORT_NUMBER/LicenseServer/login.jsp`. Enter your username and password (default username and password: `admin`), and click “Submit” to log in the license management server.



**Step 11** Click on “Home > Deploy License”. On the next page, click the “Choose File” button to select the license file provided by Andes Technology Corporation and click “Upload”.



You will be asked to enter a six-digit verification code. Follow

the on-screen instructions to obtain the code and submit it.

Home ▾
LicenseServer
[logout](#)

**License File upload**

Upload File :  SEDNA.fl.lic



You will need to enter a verification code below.  
If you are connected to the Internet, click [here](#) to obtain the verification code.  
In the case that the Internet connection is not available on your current device, use a connected one to access <http://updater.andestech.com/VerificationCode/> for the code and enter it here.

**Step 12** License Server is launched at this point and your license information is shown in the License Administration table.

Home ▾

LicenseServer

logout

License Administration										
Product	Expiration Date	Deploy Date	Number of Seats	In Use	Offline Use	Feature	Issue Date	Licensee	MAC Address	ID
AndeSight_STD 	2023/12/25	2022/11/08	2	0	0	Limited:[412-days]	2022/07/10	Sedna	98-EE-CB-B8-BD-D7	andesight- 

Deploy License

## 4.3.1.1 Exporting license to an updated License Server

Licenses in use on a working License Server can be moved to an updated License Server on the same machine. Such license migration can only be performed after 14 days of license deployment. It requires you to export existing licenses to a license file first and deploy the file on the updated License Server. As the exported license file is valid for 14 days only, be sure to deploy it to the updated License Server within the validity period.

For detailed instructions on license migration, please proceed as follows.

**Step 1** Make sure that it has been more than 14 days since last license deployment and export existing licenses to a file:

1. Log in the license management server and select “Home > Export License” to export the licenses.

2. You will be prompted to enter a six-digit verification code. Follow the on-screen instructions to obtain it and submit.

3. Licenses on the current License Server will be exported as a license file “LicenseFile.txt”. Click on “download” to save it to the default download location on your system.



**Step 2** Within the validity period of the exported file (i.e., 14 days after the export), reference Section 4.3.1 to shut down the working License Server, install an updated License Server, and launch a license management server. The License Administration table on the server shows no data at the first launch, indicating no license deployed on the updated License Server yet.

License Administration										
Product	Expiration Date	Deploy Date	Number of Seats	In Use	Offline Use	Feature	Issue Date	Licensee	MAC Address	ID

[Deploy License](#)

**Step 3** Click on “Home > Deploy license” on the license management server and upload the exported license file `LicenseFile.txt` from the previous License Server. You will be prompted to enter a six-digit verification code. Follow the on-screen instructions to obtain the code and submit it.

**License File upload**

Upload File :

You will need to enter a verification code below.  
 If you are connected to the Internet, click [here](#) to obtain the verification code.  
 In the case that the Internet connection is not available on your current device, use a connected one to access <http://updater.andestech.com/VerificationCode/> for the code and enter it here.

**Step 4** The License Administration table for the updated License Server now lists licenses from the previous License Server. This indicates a successful license migration to the updated License Server.

License Administration										
Product	Expiration Date	Deploy Date	Number of Seats	In Use	Offline Use	Feature	Issue Date	Licensee	MAC Address	ID
AndeSight STD	2023/12/25	2022/11/18	2	0	0	Limited:[402-days]	2022/07/10	Sedna	98-EE-CB-B8-BD-D7	andesight

[Deploy License](#)



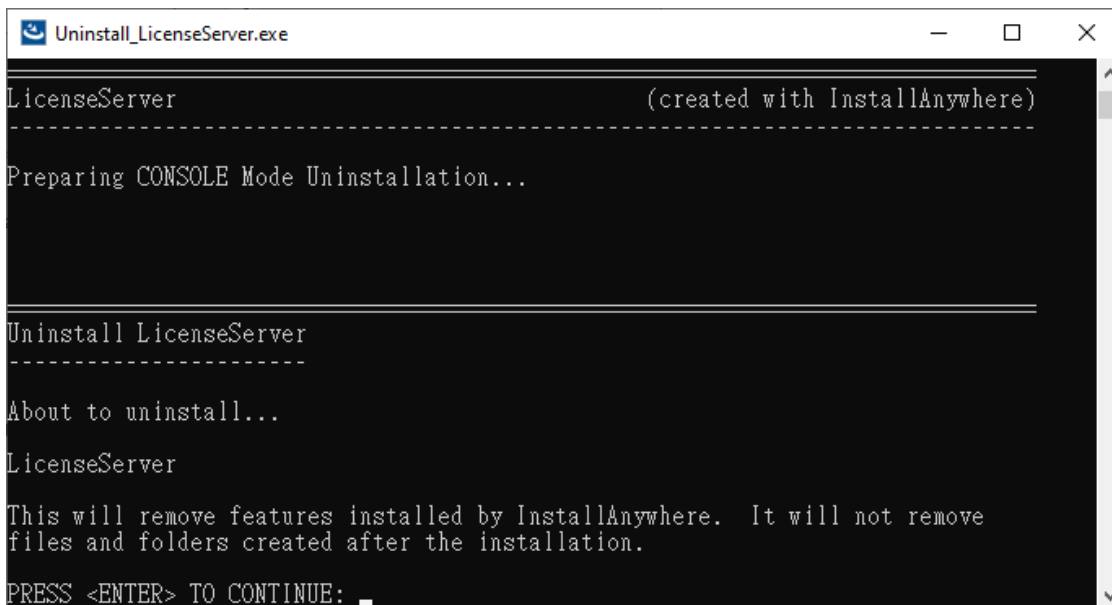
## 4.3.1.2 Uninstallation of License Server

Before you uninstall a License Server in use, be sure to export the existing licenses and shut down its service first. This is to ensure the use of valid licenses later and a smooth uninstallation. For how to export existing licenses and shut down the running License Server, see Section 4.3.1.1 and 4.3.1 respectively.

To uninstall a License Server in use after terminating its service, execute the uninstaller as follows:

- On Windows, double-click `Uninstall_LicenseServer.exe` under the directory `LICENSESERVER_ROOT\Uninstall_LicenseServer`.
- On Linux, execute `Uninstall_LicenseServer` under the directory `LICENSESERVER_ROOT/Uninstall_LicenseServer` by issuing the following command in the console: `$ ./Uninstall_LicenseServer`

A console like below will be invoked. Just press “Enter” to commence the uninstallation process.



```
Uninstall_LicenseServer.exe
LicenseServer (created with InstallAnywhere)
-----
Preparing CONSOLE Mode Uninstallation...

Uninstall LicenseServer
-----
About to uninstall...
LicenseServer
This will remove features installed by InstallAnywhere. It will not remove
files and folders created after the installation.
PRESS <ENTER> TO CONTINUE: _
```

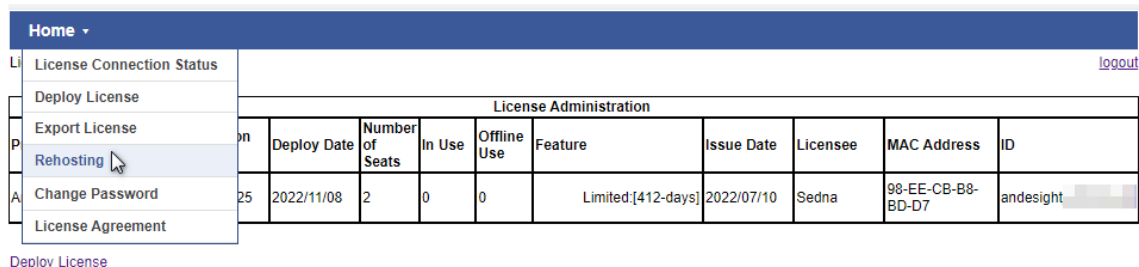
## 4.3.1.3 Rehosting license on a different server machine

Floating licenses released for AndeSight v5.0.0 and later versions can be moved to another server machine (i.e., a different MAC address) when there is a need. The process, called license rehosting, can only be performed after 14 days of license deployment. It requires you to specify the MAC address of the new server machine to which licenses will be moved, export those licenses to a license file, and then deploy the file to the License Server on the new server. As the exported license file is valid for 14 days only, be sure to deploy it within the validity period. Otherwise, the licenses it contains will no longer work on the original License Server after rehosting.

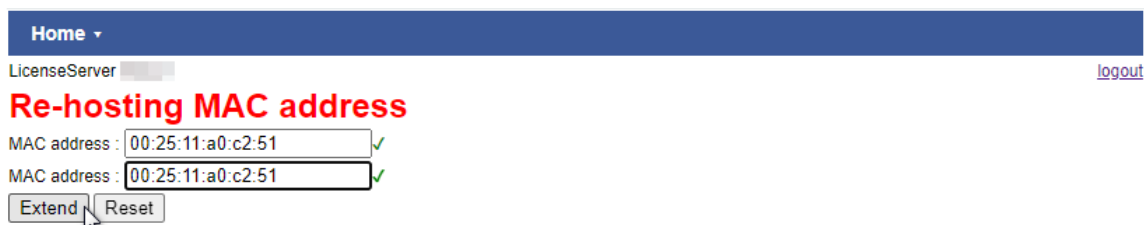
For detailed instructions on how to rehost floating licenses, please proceed as follows.

**Step 1** Make sure that it has been more than 14 days since last license deployment and export existing licenses to a file:

1. Log in the current license management server and select “Home > Rehosting”.



2. Enter twice the MAC address of the new server machine to which the licenses will be moved and click on “Extend”.



3. You will be prompted to enter a six-digit verification code. Follow the on-screen instructions to obtain it and submit.



Home ▾

LicenseServer [REDACTED]

**Re-hosting MAC address**

MAC address : 00:25:11:a0:c2:51 ✓

MAC address : 00:25:11:a0:c2:51 ✓

Extend Reset

You will need to enter a verification code below.  
If you are connected to the Internet, click [here](#) to obtain the verification code.  
In the case that the Internet connection is not available on your current device, use a connected one to access <http://updater.andestech.com/VerificationCode/> for the code and enter it here.

994251 submit

Official Release

- Licenses on the current License Server will be exported as a license file “LicenseFile.txt”. Click on “download” to save it to the default download location on your system.

Home ▾

LicenseServer [REDACTED]

download

Note that licenses issued before AndeSight v5.0, if running on the current License Server as well, are not allowed to be rehosted and thus will not be contained in the license file “LicenseFile.txt”.

- The License Administration table for the current License Server shows “Rehosting” and the days since rehosting in the Feature column for the licenses exported for the new server machine.

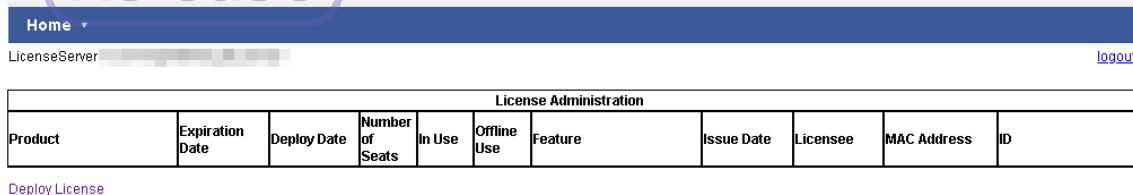
Home ▾

LicenseServer [logout](#)

License Administration										
Product	Expiration Date	Deploy Date	Number of Seats	In Use	Offline Use	Feature	Issue Date	Licensee	MAC Address	ID
AndeSight_STD [REDACTED]	2023/12/25	2022/11/08	2	0	0	Rehosting [1-days]	2022/07/10	Sedna	98-EE-CB-B8-BD-D7	andesight [REDACTED]

[Deploy License](#)

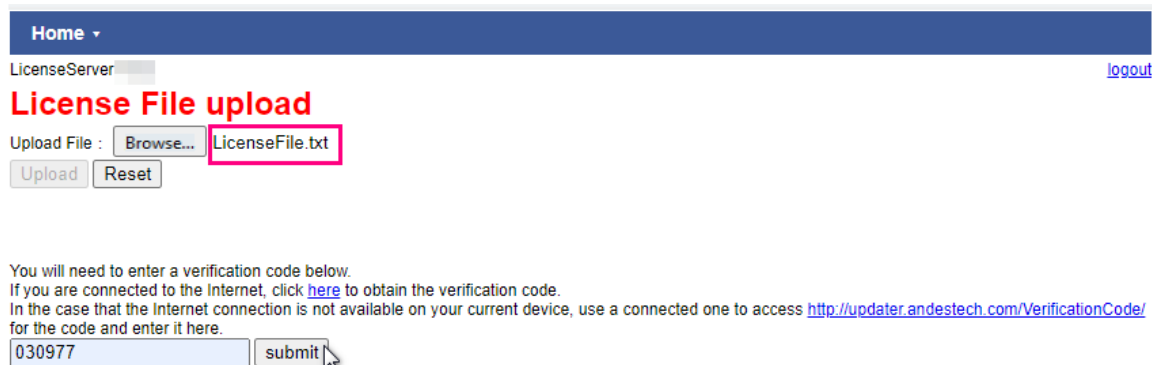
**Step 2** Within the validity period of the exported file (i.e., 14 days after the export), see Section 4.3.1 to install a License Server to the new server machine and launch a license management server. The License Administration table on the server shows no data at the first launch, indicating no license deployed on the new License Server yet.



License Administration										
Product	Expiration Date	Deploy Date	Number of Seats	In Use	Offline Use	Feature	Issue Date	Licensee	MAC Address	ID

[Deploy License](#)

**Step 3** Click on “Home > Deploy license” on the new license management server and upload the exported license file `LicenseFile.txt` from the previous License Server. You will be prompted to enter a six-digit verification code. Follow the on-screen instructions to obtain the code and submit it.



Home ▾

LicenseServer [logout](#)

**License File upload**

Upload File :

You will need to enter a verification code below.  
 If you are connected to the Internet, click [here](#) to obtain the verification code.  
 In the case that the Internet connection is not available on your current device, use a connected one to access <http://updater.andestech.com/VerificationCode/> for the code and enter it here.

**Step 4** The License Administration table for the new License Server now lists licenses from the previous License Server with “Rehosting” and the new server’s MAC address in the Feature column. This indicates the licenses have been successfully rehosted.

# AndeSight™ STD v5.3 Installation Guide



Home ▾

LicenseServer [REDACTED]

[logout](#)

License Administration										
Product	Expiration Date	Deploy Date	Number of Seats	In Use	Offline Use	Feature	Issue Date	Licensee	MAC Address	ID
AndeSight_STD [REDACTED]	2023/12/25	2022/11/18	2	0	0	Rehosting [002511A0C251]	2022/07/10	Sedna	98-EE-CB-B8-BD-D7	andesight [REDACTED]

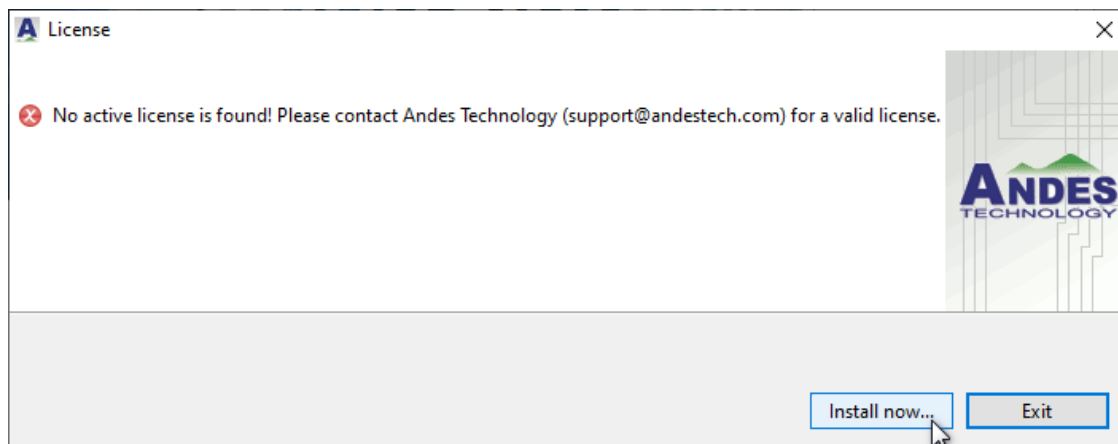
[Deploy License](#)

Official  
Release

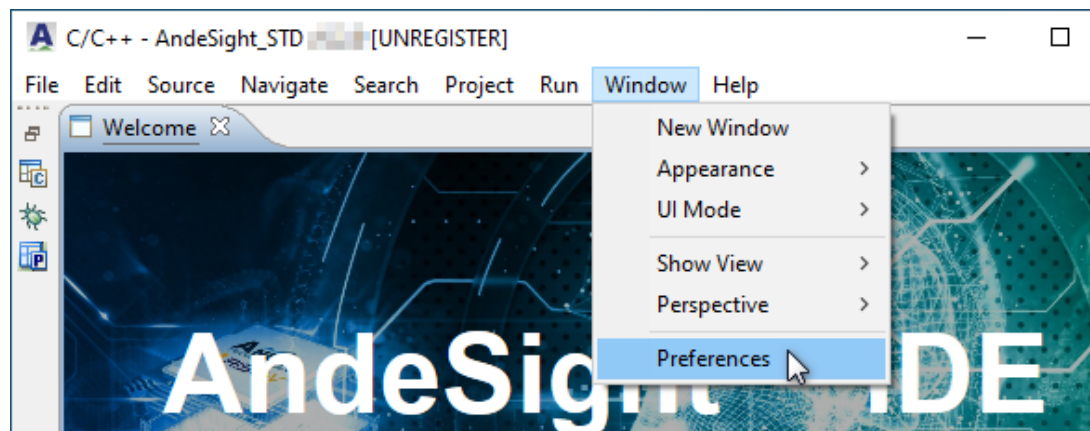
## 4.3.2. Floating license activation

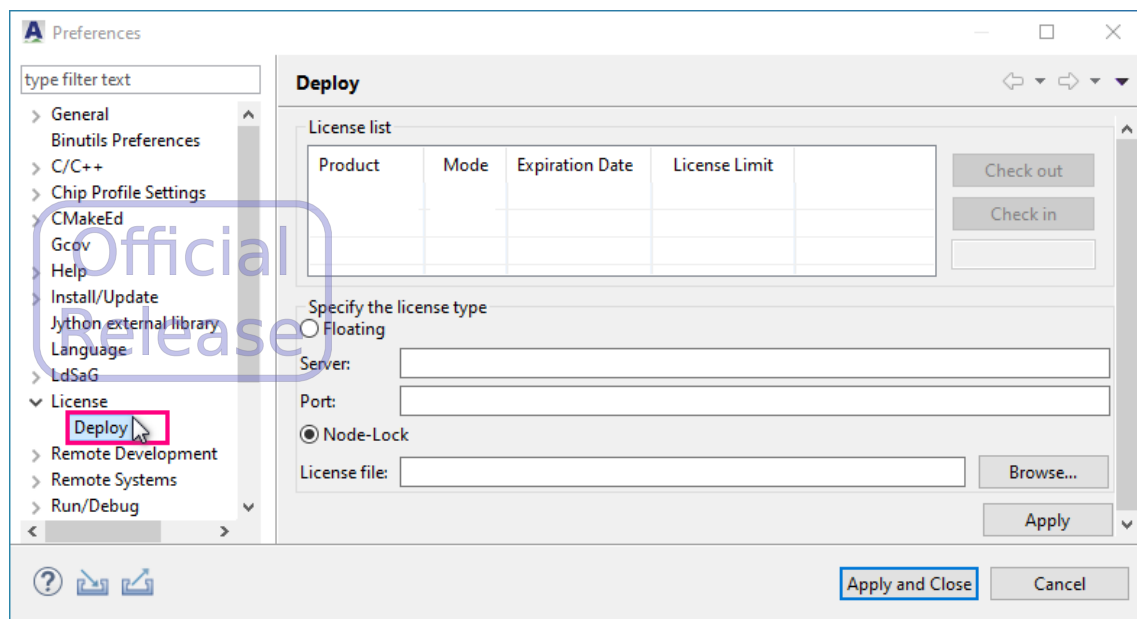
**Step 1** Follow the procedure in Chapter 2 to install AndeSight STD IDE. Make sure you choose “Floating License” in Step 11.

**Step 2** Execute AndeSight. A License dialog pops out to remind you that no license is installed yet. Click the “Install now ...” button on the dialog to invoke the Deploy page that allows you to specify the floating license.

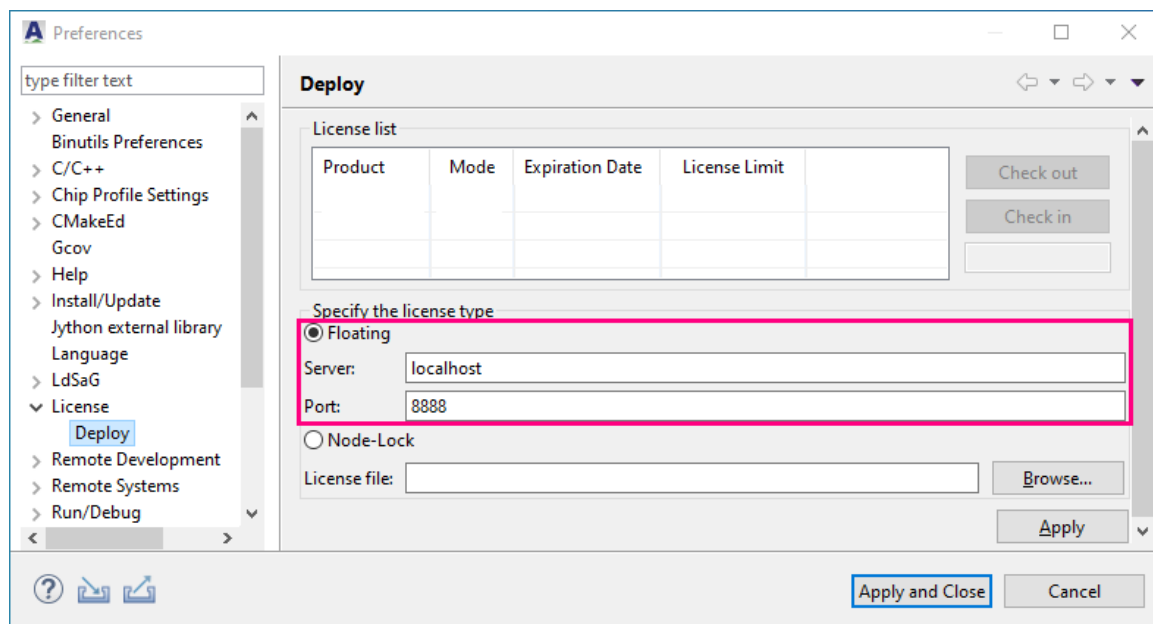


You can also click “Windows > Preferences” on the AndeSight main menu to invoke the Preferences dialog and then click “License > Deploy” on the navigation pane to access the Deploy page.

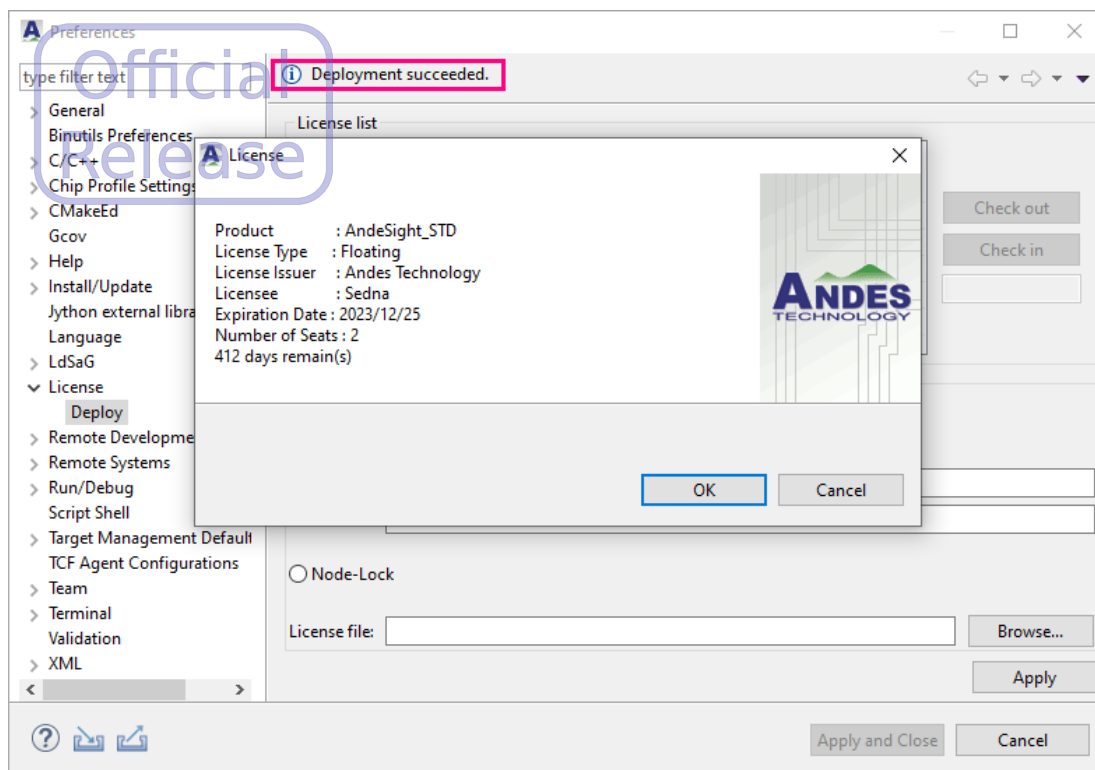




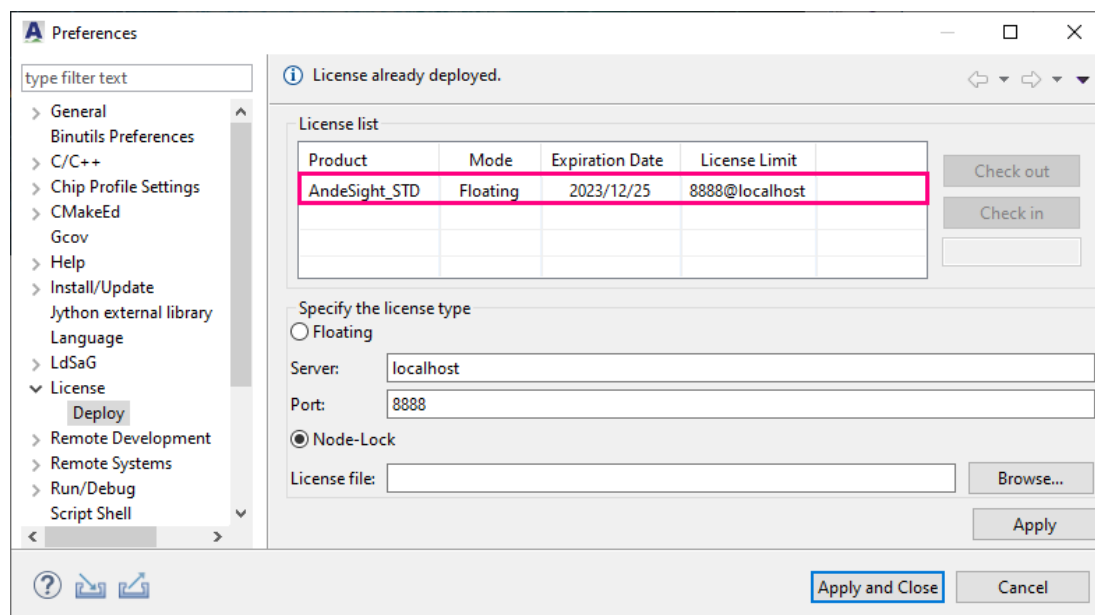
**Step 3** Check the “Floating” option on the Deploy page. Then, enter the host name and the port number of your license server. Click “Apply”.



**Step 4** The Preferences wizard informs you of the successful license deployment. A wizard containing license information pops out next. Click “OK” to complete the license activation.




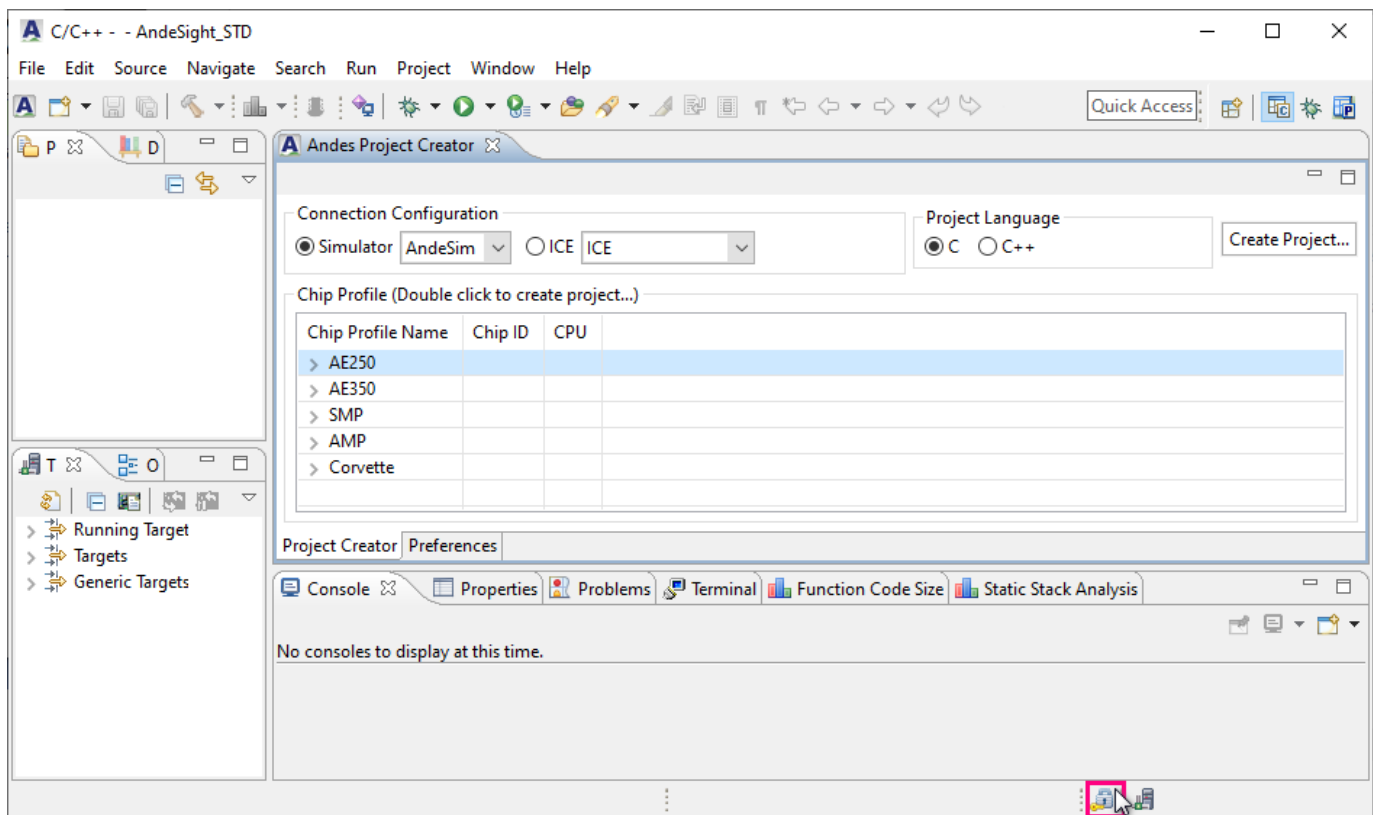
The deployed license and its information will also be shown in the License List table on the Deploy page.



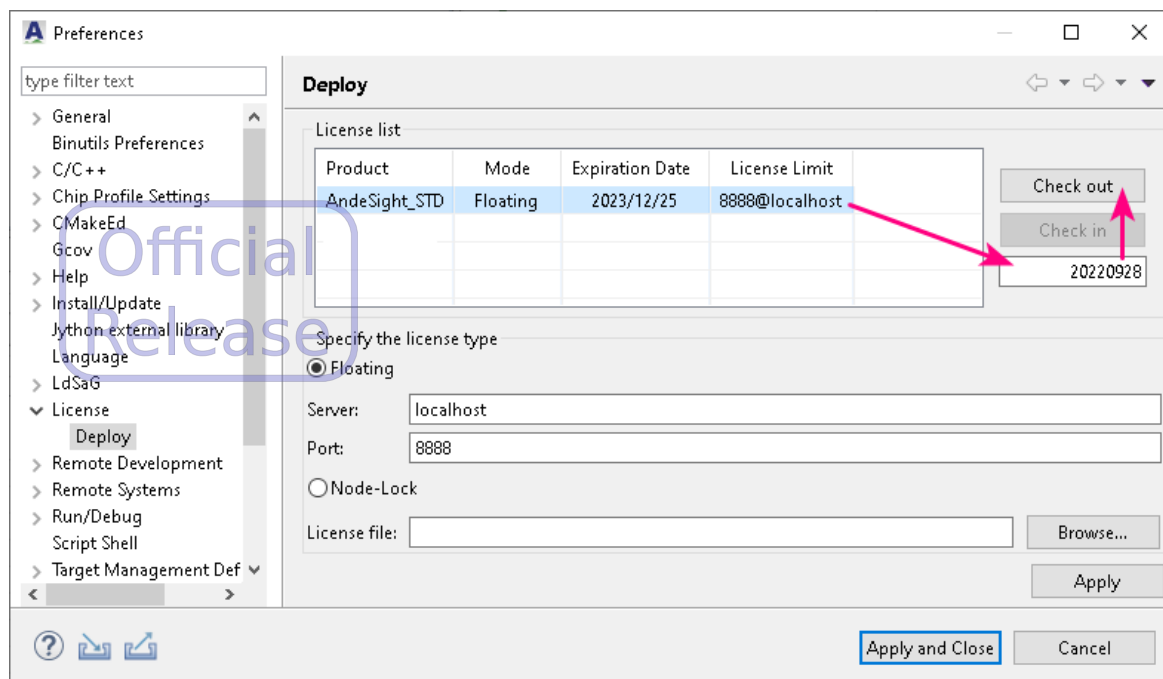
## 4.3.3. Floating license checkout for offline use

While mostly used with network connection, AndeSight floating licenses can also be used in offline mode for up to 60 days without Internet connection. To check out a floating license for offline use, please make sure it has been deployed for at least 14 days and proceed as follows:

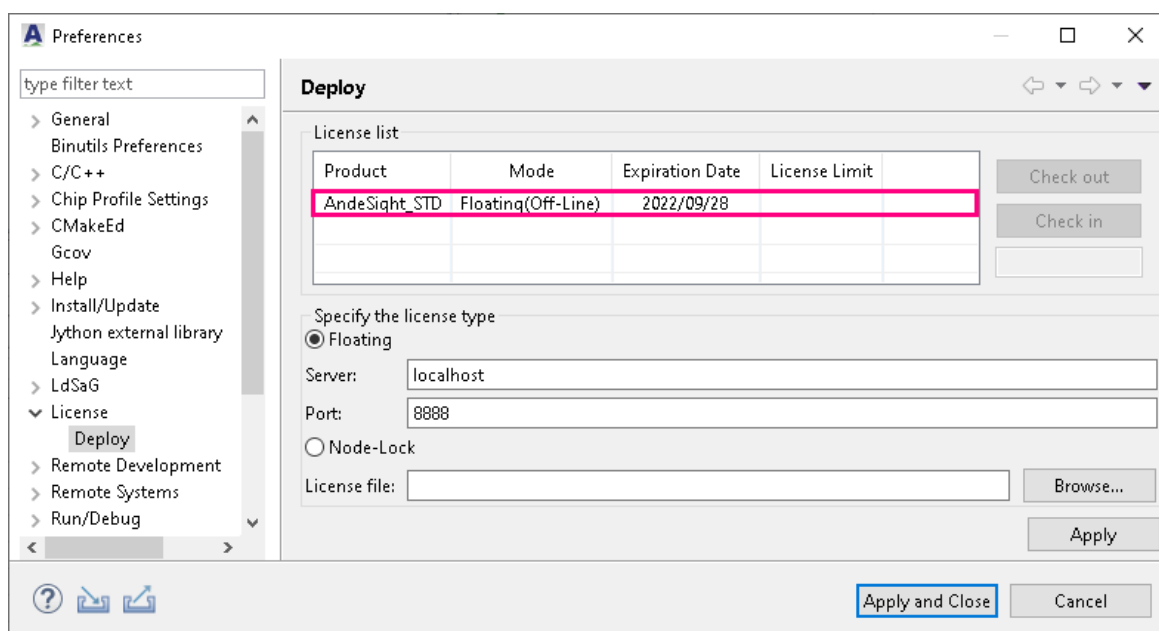
**Step 1** Click on the icon  at the bottom of the AndeSight IDE to access the license deployment settings.



**Step 2** The (License) Deploy page of the **Preferences** dialog is opened. Select a floating license in the License List table, specify an expiration date and click on the “Check out” button. Note that the checkout duration can be set to 60 days at most.



**Step 3** The selected license is shown to be in offline mode now. That is, you can work offline with the checked-out floating license till the expiration date.




The license management server also reflects the offline use of floating licenses. The License Administration table lists the




number of checked-out floating licenses.

Home ▾

LicenseServer 

[logout](#)

License Administration

Product	Expiration Date	Deploy Date	Number of Seats	In Use	Offline Use	Feature	Issue Date	Licensee	MAC Address	ID
AndeSight_STD	2023/12/25	2022/07/21	2	0	1	Limited:[522-days]	2022/07/10	Sedna	98-EE-CB-B8-BD-D7	andesight_ 

[Deploy License](#)

Official Release

[Deploy License](#)

For more information about respective checked-out floating licenses, click on “Home > License Connection Status” to inspect the interested license(s) in the “Checked-out Licenses for Offline Use” table.

Home ▾

License Connection Status

Deploy License

Export License

Rehosting

Change Password

License Agreement

License Administration

Expiration Date	Deploy Date	Number of Seats	In Use	Offline Use	Feature	Issue Date	Licensee	MAC Address	ID
2023/12/25	2022/07/21	2	0	1	Limited:[522-days]	2022/07/10	Sedna	98-EE-CB-B8-BD-D7	andesight

Home ▾

LicenseServer

logout

## License connections

ID	SOURCE	USER	CheckOut	CheckIn	Update Time	Product	KeyID
STD20220730002805451	127.0.0.1		2022-07-30 00:28:05.451	2022-07-30 00:31:26.75	2022-07-30 00:31:26.75	AndeSight_STD	andesight_

## Checked-out Licenses for Offline Use

ID	SOURCE	USER	CheckOut	CheckIn	Offline Until	Product	KeyID
STD20220730003126751	127.0.0.1		2022-07-30 00:31:26.751		2022-09-28 00:00:00.0	AndeSight_STD	andesight_

**Step 4** If you get a network connection before the expiration date, you may return the checked-out license for an online use. This requires you to select the checked-out license on the Deploy page and click on the “Check in” button.

