

# INVENTOR CAM 2023 NETWORK INSTALLATION GUIDE

## Software used in



Updated: 5/24/2023

### Description

Preparing your system and changes to the Autodesk Portal

*\*It is imperative that you consult your IT team prior to installing any software or attempting to amend any settings on your computer. Administrative rights are based on a profile created by your System Administrator; a plethora of variances are possible and these 'rights' may not necessarily allow you to install software properly.*

1. Disable the UACs (set to 'Never notify')
2. Disable the anti-virus software
3. Disable pop-up blocker in the browser you are utilizing

(These settings may be re-enabled once the software is installed and operational.)

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## Changes to the Autodesk Portal:

Autodesk has changed the account creation and verification process. All accounts that are attached to a valid school will no longer need to upload documents for verification. Revit can be used with Standalone machine licensing, Network licensing, or Named licensing. This document shows how to use Standalone machine licensing where each machine will use the same serial number on a set of machines. This is good use for smaller labs, or machines that will be taken outside of the school network. Autodesk Education licenses are once again on a 3 year term.

## Install LMTools

### Procedure

1. Go to the URL below to download the latest version of LMTools.

<https://www.autodesk.com/support/technical/article/caas/tsarticles/ts/EBOJPJWkEgBXjZRPBONh1.html>

### Autodesk Network License Manager for Windows

Autodesk Support

Mar 3, 2016

The following are supported operating systems for Autodesk Network License Manager:

- Windows 7 SP1
- Windows 10
- Windows Server 2016
- Windows Server 2019

Please refer to the accompanying readme file for feature limitations and installation instructions.

For detailed information on all changes and system requirements for Network License Manager, please refer to the [release notes](#) from Revenera.

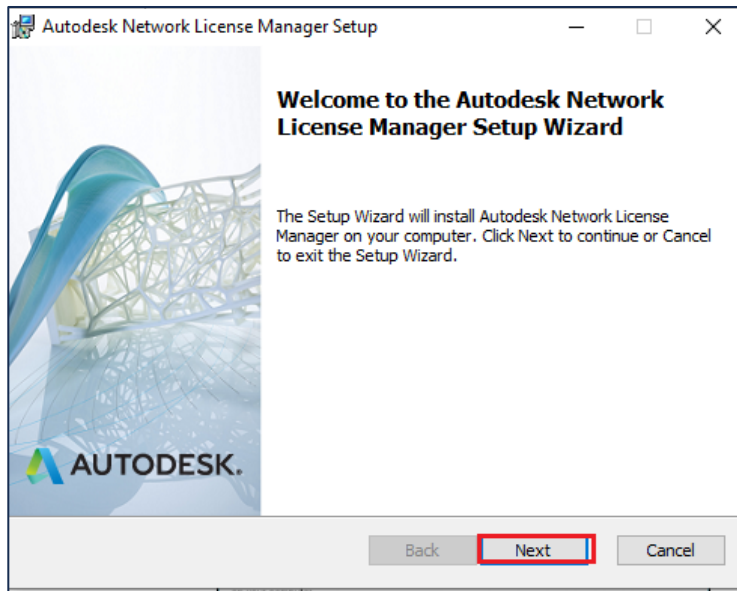
#### Windows 64-bit

[nlm11.18.0.0\\_ipv4\\_ipv6\\_win64.msi](#) (msi - 7974 KB) MD5: 5b47b9b432264a3db0027391e840b606

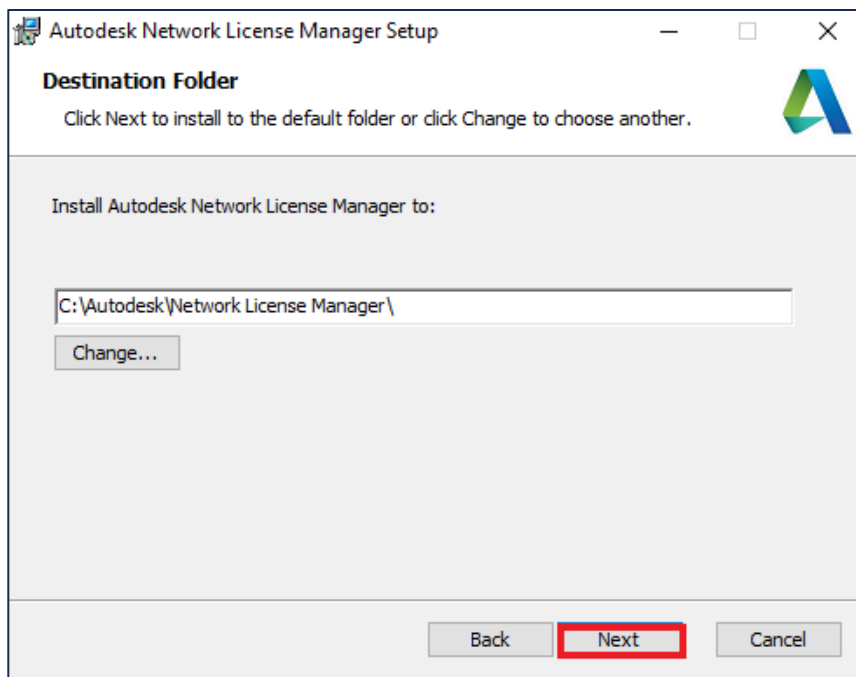
[Readme.html](#)



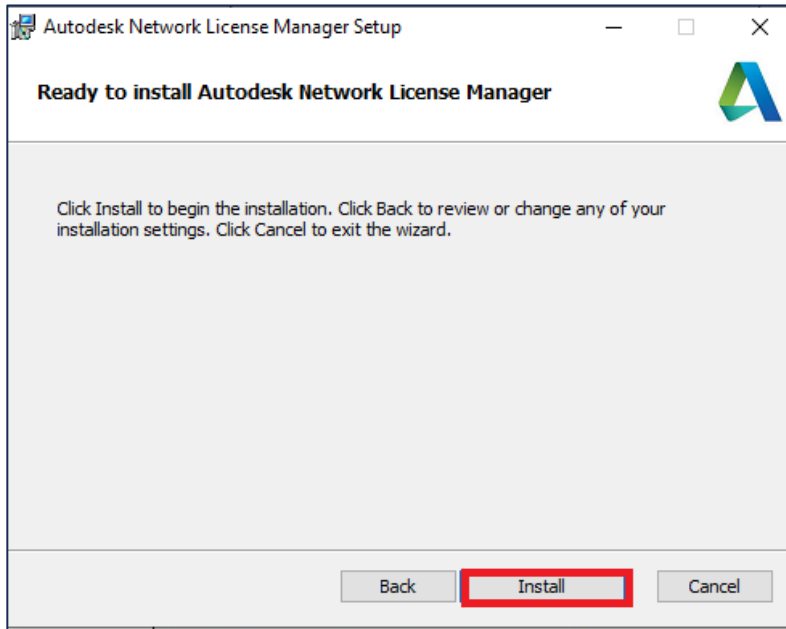
2. Once the download is finished, launch the installer
3. Select Next on the Setup Wizard



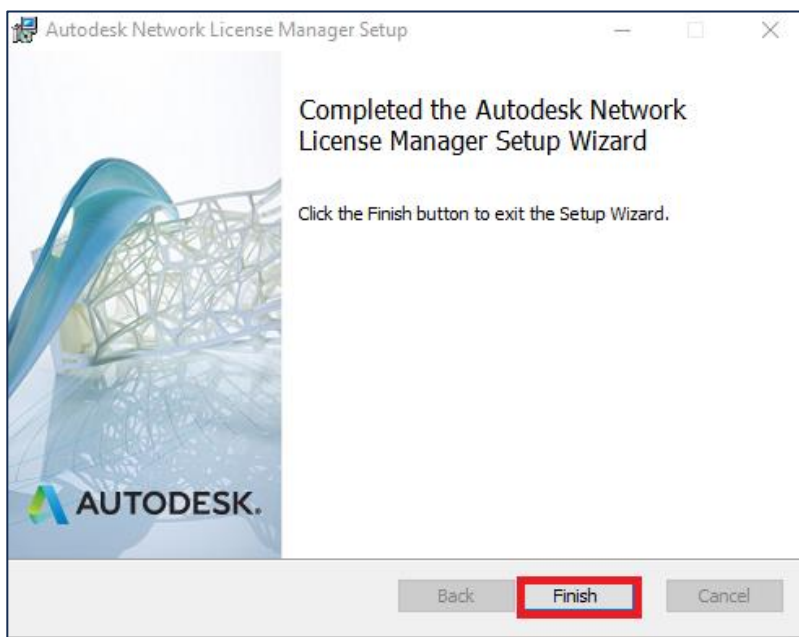
4. Check the file path and select Next again



## 5. Select Install



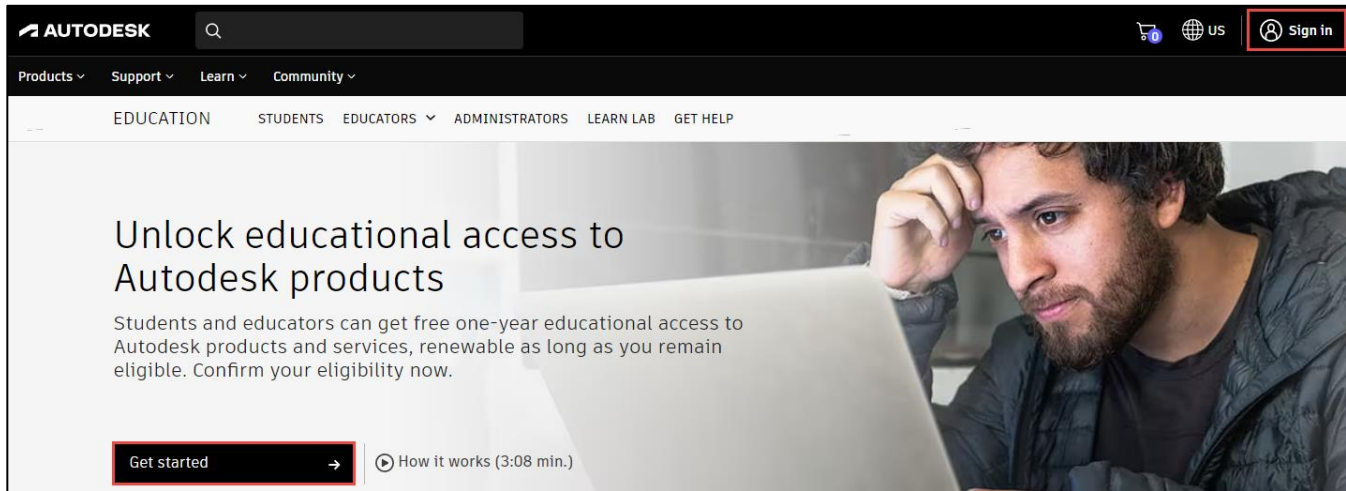
## 6. Once the install is complete select Finish



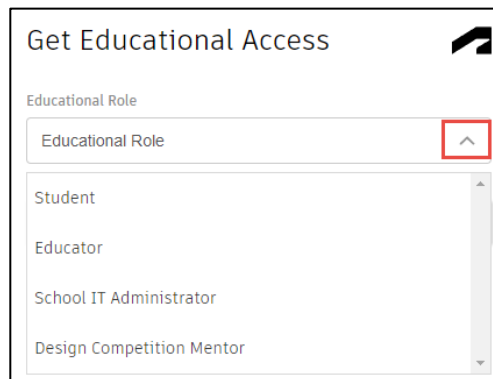


## Creating and verifying your Autodesk account

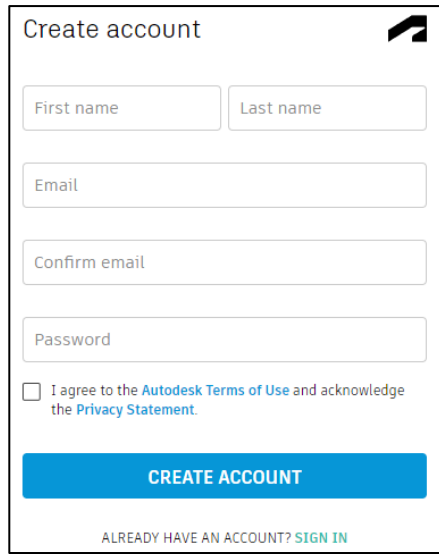
1. Go to <https://www.autodesk.com/education/edu-software/overview>
2. Select **Get Started** if you have not created an account or **Sign In** if you already have an account.




3. As you select your account, select the appropriate role. Teachers will have access to Individual and Lab/Class installation types. IT Administrators will have access to Lab/Class Installations. Select Next.



4. Fill in your information, agree to the terms, and select Create Account.



Create account 

First name Last name

Email

Confirm email

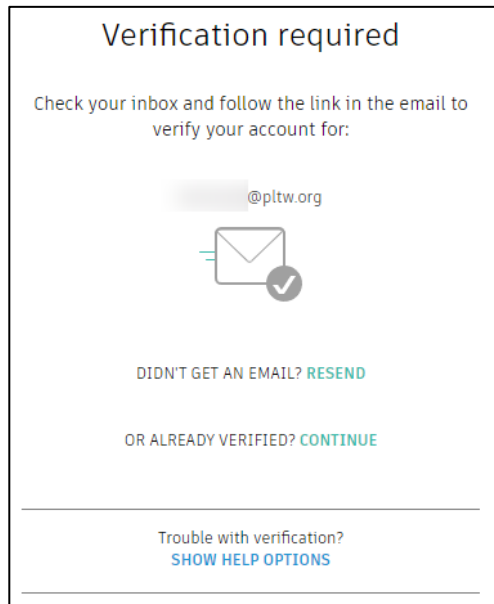
Password

☐ I agree to the [Autodesk Terms of Use](#) and acknowledge the [Privacy Statement](#).

**CREATE ACCOUNT**


ALREADY HAVE AN ACCOUNT? [SIGN IN](#)


5. You will need to verify your email address. Below is the screen you will get with an example of the screen after step 6, and the sample email for verification.



Verification required

Check your inbox and follow the link in the email to verify your account for:

 @pltw.org

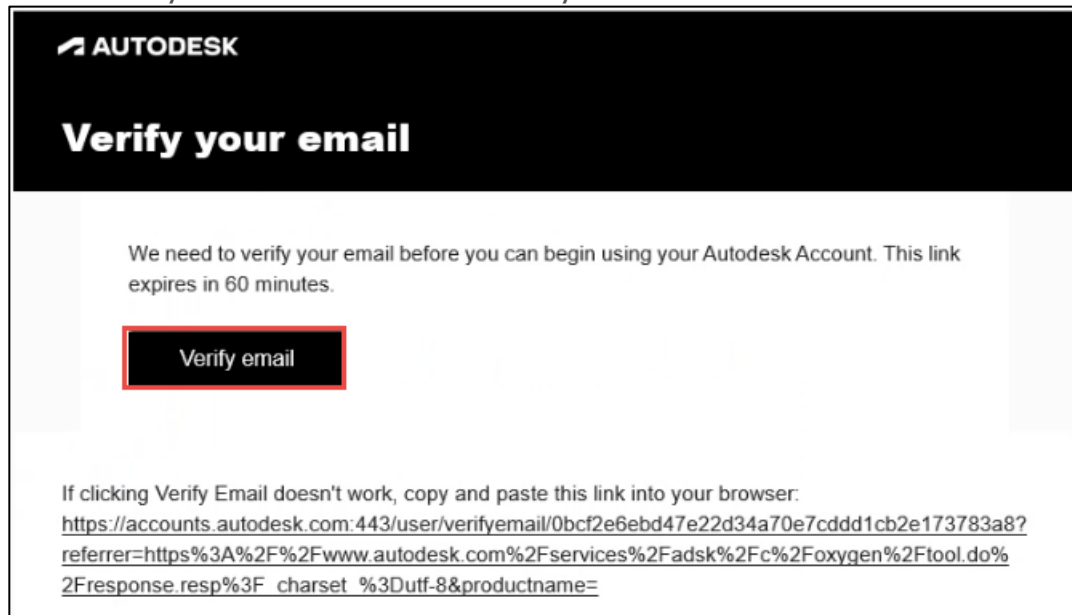


DIDN'T GET AN EMAIL? [RESEND](#)

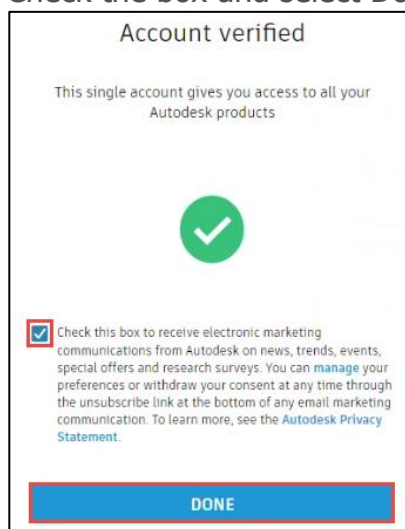
OR ALREADY VERIFIED? [CONTINUE](#)

Trouble with verification?  
[SHOW HELP OPTIONS](#)

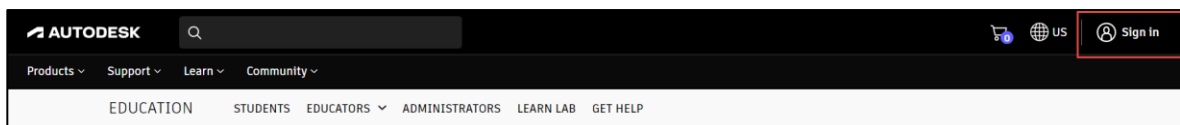
6. Select Verify email from the email that you received.



7. Check the box and select Done.

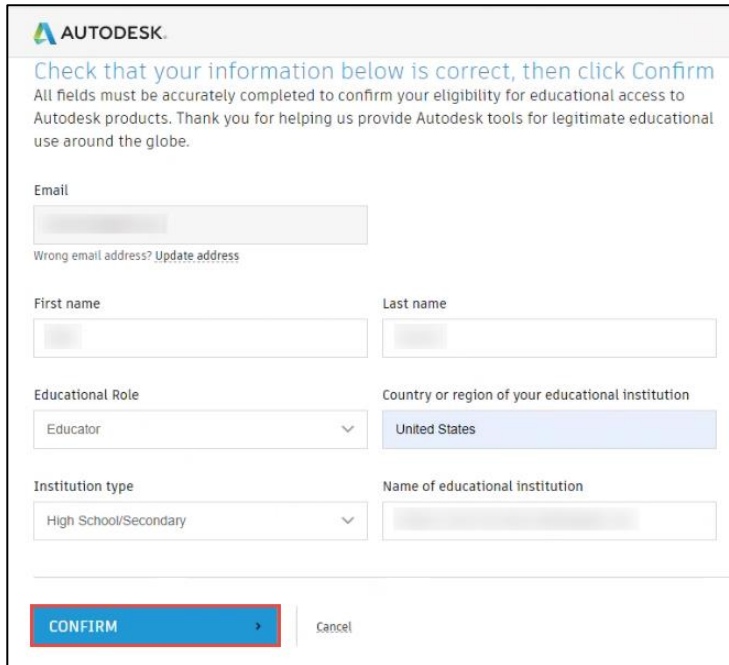


8. Go back to <https://www.autodesk.com/education/edu-software/overview> and Sign In at the top of the page.





9. Before you can get access to the educational software, you will need to verify that you attend or work for a Qualified Education Institution through the SheerID verification system. You will be asked to fill out the form below.



**AUTODESK**

Check that your information below is correct, then click **Confirm**

All fields must be accurately completed to confirm your eligibility for educational access to Autodesk products. Thank you for helping us provide Autodesk tools for legitimate educational use around the globe.

Email  
  
Wrong email address? [Update address](#)

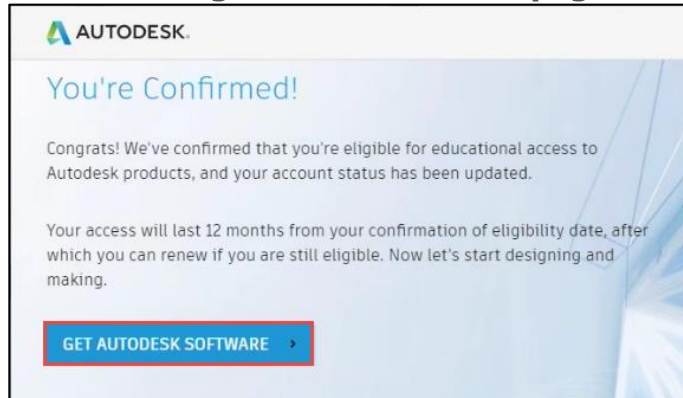
First name  Last name

Educational Role  Country or region of your educational institution

Institution type  Name of educational institution

**CONFIRM** [Cancel](#)

10. If your school is listed as a Qualified Education Institution, you will not need to provide any other documentation. **You can proceed to Downloading and Installing Inventor 2023 on page 8 of this document.**



**AUTODESK**

**You're Confirmed!**

Congrats! We've confirmed that you're eligible for educational access to Autodesk products, and your account status has been updated.

Your access will last 12 months from your confirmation of eligibility date, after which you can renew if you are still eligible. Now let's start designing and making.

**GET AUTODESK SOFTWARE**


11. In the Name of educational institution box, type in the name of your school slowly and see the name of your school appear in a drop-down menu below the text box. If your school is not listed, select School Not Listed from the drop down below the text box.
12. On the next page, you will need to upload documentation that the account owner attends or works at the [Qualified Education Institution](#) (see [FAQ](#))





during that year. All teachers and IT staff installing Autodesk products will need to complete the verification

- The simplest way to get verified is to use the school letter method. Depending on your role, you can use the [school IT](#), or [teacher letter](#). Copy and paste onto school letterhead with your name, matching exactly your name on your Autodesk account.
- Other verification methods include a student ID that includes the school year, or a link to the faculty listing on the school website.
- Students that are not required to have an account for Fusion 360, but if they would like to install at home, they would need to use the [student letter](#) for verification.



### Additional documentation needed

Please upload a copy of documentation issued to you by your educational institution (e.g. tuition receipt or student ID, employee ID) as proof that you attend, teach or are employed at a [Qualified Educational Institution](#)

You have 14 days to upload your documentation


The document must include:

- Your full legal name (Alex Conklin)  
*Note: The name on the document you submit must match this.*
- The name of the educational institution at which you are enrolled or employed (Project Lead The Way (Indianapolis, IN))  
*Note: The school name on the document you submit must match this.*
- A date within the current school term.

Preferred documents include:

- Transcript
- School-issued confirmation letter
- A copy of your student ID (photo ID not required)

Supported file types: JPEG, PDF, PNG, GIF



Drag documents here, or [browse](#)

NOTE: If your uploaded document is too fuzzy to read, does not show your full and legal name, or shows a name different from the one you used for this Autodesk account, you will not be able to finalize the verification process. Please do not include any confidential information in the document you upload, such as social security numbers or banking details. Please ensure any sensitive information is blacked out before you upload your document.


SUBMIT

Cancel


### Examples of preferred documents



**School Transcript**  
Transcript with full name of student, school name, and date



**School-issued confirmation letter**  
School letterhead with full name of student or faculty member, school name, and date



**School ID**  
ID badge with full name of student or faculty member, school name, and date, photo not required

Verification is manually processed and will take less than one business day. You will receive an email notification for approval or denial. If you have questions about being denied, email SheerID customer service at [customerservice@sheerID.com](mailto:customerservice@sheerID.com).



## Get Licensing information for Inventor CAM 2023

1. Go to <https://www.autodesk.com/education/edu-software/overview> and sign in.
2. Select Class/lab as your installation type.



3. You will be prompted to select one of the following options. To install with Standalone Licensing, you will need to select **Education Network Licenses**. This will give you access to Standalone licensing in the subsequent steps. **NOTE: If you choose the Education Single-User Subscriptions, you will not be able to change back to a different style of licensing.**

Select how you'll get students started with Autodesk products

To get Autodesk products available through the Autodesk Education plan, you must choose an option below. This is a one-time decision and applies to all additional products that you request access to through your Autodesk Education account.

**Best option for educators**

### Education Single-User Subscriptions

Get 125 single-user subscriptions to any product in the Education plan.

- ✓ **Onboard your class** - Invite students and assign product access individually or give access to your entire class at once.
- ✓ **Speed** - Your class can start working with Autodesk products within minutes of receiving invitations.
- ✓ **Flexibility** - Students with a single-user subscription to a product can install the product on up to 3 different computers.
- ✓ **Ease of use** - All students in your class will be able to bypass the confirmation of eligibility process and have the same, streamlined getting started experience.

By choosing this Education Single-User Subscriptions option and clicking Accept, I agree that I will only invite users under my Autodesk account who are students, faculty, or staff at my educational institution and who meet Autodesk Education [eligibility requirements](#), including [minimum age requirements](#), to use Autodesk products for educational purposes.

### Education Network Licenses

Use a network license server to deploy licenses.

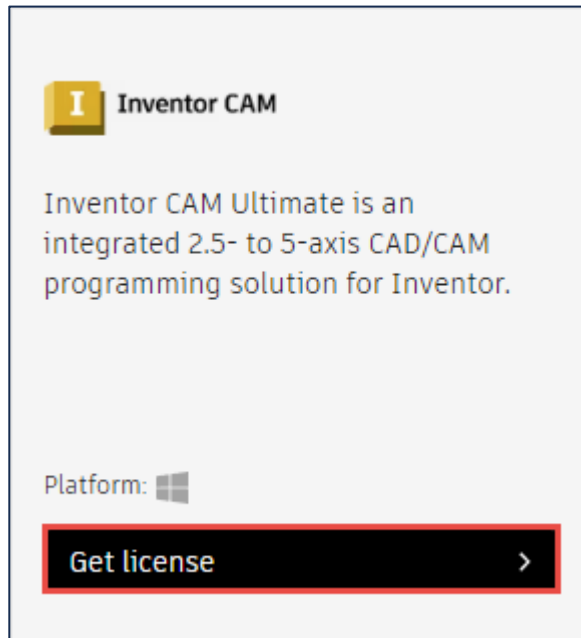
- ✓ **Access for your institution or district** - Get licenses for up to 3,000 concurrent students per product.
- ✓ **Lab deployments** - Manage lab machines with serial number-based installations.

**Note:** Students who want to use certain products, such as Fusion 360 or InfraWorks, will need to have an Autodesk Account and individually confirm their eligibility for free educational access to Autodesk products.

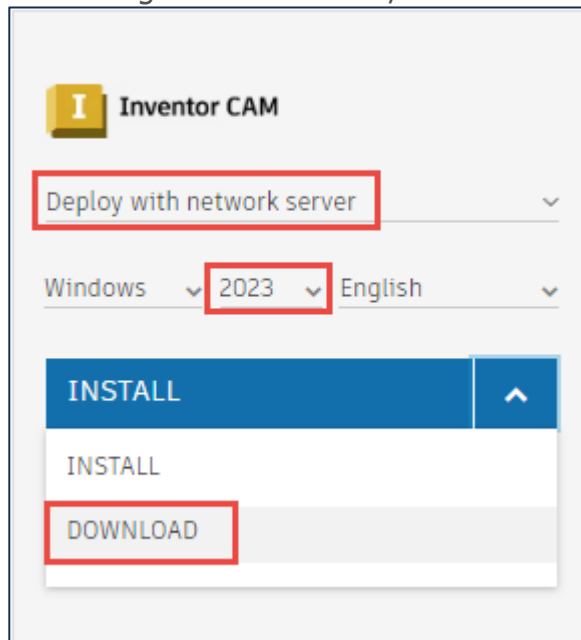
By choosing this Education Network Licenses option and clicking Accept, I agree that all students or faculty at my educational institution who use Autodesk products accessed through my account will meet Autodesk Education [eligibility requirements](#), including [minimum age requirements](#), to use Autodesk products for educational purposes.



4. Select Get license.

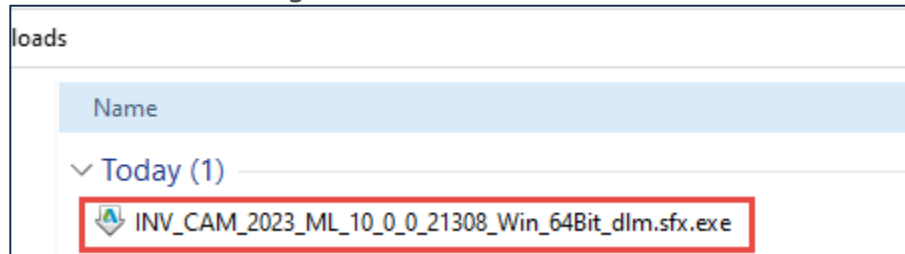


5. From the drop-down menus, select Deploy with Network Server, 2023, and then using the down arrow, select Download.

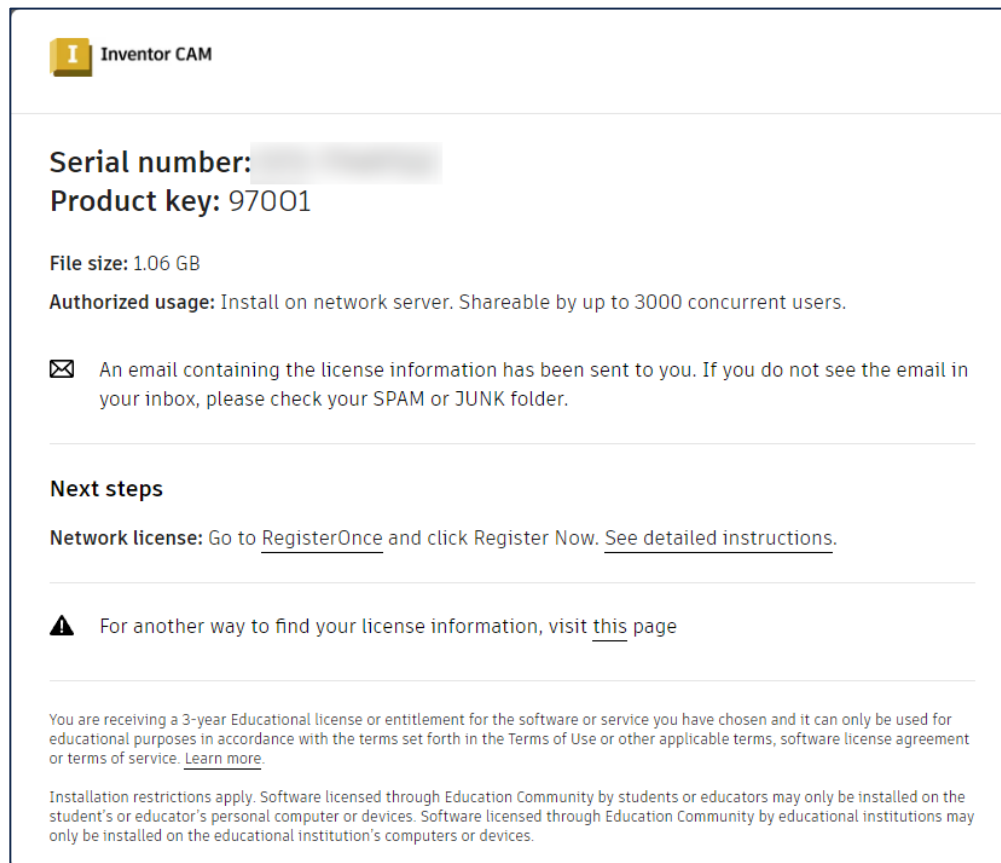




6. Inventor CAM will begin downloading several files for installation. If you are not installing on this machine, you can cancel the download. Instructions later in the document will show you how to come back and If the file is not downloading, check your pop-up blocker. Run the installer when it is finished downloading.



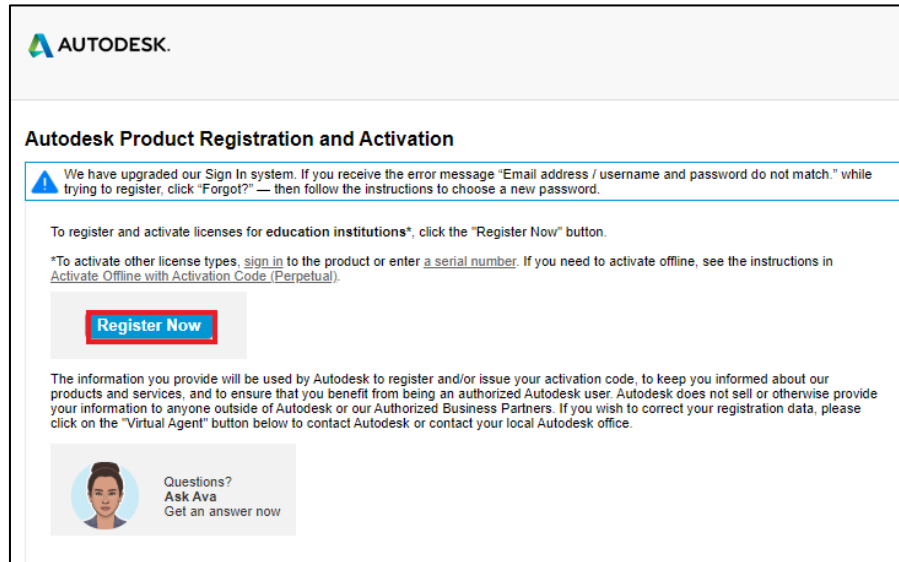
7. As downloads begin, your screens will show your licensing information. Record the Product Key and Serial Number, as they will be needed post installation.



# Create Your Network License File

## Procedure

1. Navigate to <https://registeronce.autodesk.com/prodreg> and sign in with your Autodesk User ID



**AUTODESK.**

### Autodesk Product Registration and Activation

**Warning:** We have upgraded our Sign In system. If you receive the error message "Email address / username and password do not match." while trying to register, click "Forgot?" — then follow the instructions to choose a new password.

To register and activate licenses for **education institutions**, click the "Register Now" button.

\*To activate other license types, [sign in](#) to the product or enter a [serial number](#). If you need to activate offline, see the instructions in [Activate Offline with Activation Code \(Perpetual\)](#).

**Register Now**

The information you provide will be used by Autodesk to register and/or issue your activation code, to keep you informed about our products and services, and to ensure that you benefit from being an authorized Autodesk user. Autodesk does not sell or otherwise provide your information to anyone outside of Autodesk or our Authorized Business Partners. If you wish to correct your registration data, please click on the "Virtual Agent" button below to contact Autodesk or contact your local Autodesk office.

**Questions? Ask Ava**  
Get an answer now

2. Enter the serial number you received from step 7 in the previous section and select Next.



Thank you for purchasing an Autodesk product.

The next pages will guide you through registration and activation of your product.

If you need help with a field, click the help icon ?

Select the Product's Operating System ?

Windows ▼

Enter Product Serial Number. ?

**Next >>**

Questions? Ask our **Virtual Agent**

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3. Make sure that your account is selected and then it Next. If your account or site is not listed, then you will need to click Add New Account

Please select the Account to register your product to:

Select	Account	Address	City	State	Zip Code	Country	Phone
<input checked="" type="radio"/>	Project Lead The Way						

Questions? Ask our


4. Select your server type as a Single Server. Fill in Server 1 host name with the Host Name of the server machine. Fill in Server 1 ID with the Physical MAC address of the Server machine. Select Next.

User ID: \_\_\_\_\_ First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_ Preferred Language: English (en)

Account: Project Lead The Way  
Product: Autodesk  
Serial Number: \_\_\_\_\_

Please enter the following information

Product Information

Network server type 

☒ Single server  
☐ Redundant server  
☐ Distributed server

Server 1 host name : \_\_\_\_\_

Server 1 ID : \_\_\_\_\_

- a. If you do not know this information, it can be found under the System Settings tab in LMTools. The Computer/Hostname is the Host Name and the physical MAC Address is listed under Ethernet Address.

LMTOOLS by Flexera Software LLC

File Edit Mode Help

Service/License File System Settings Utilities Start/Stop/Reread Server Status Server Diags Config Services Borrowing

Hostid Settings

Computer/Hostname \_\_\_\_\_

Include Domain ☐

Username \_\_\_\_\_

CPU ID \_\_\_\_\_

IP Address \_\_\_\_\_

Ethernet Address \_\_\_\_\_

Disk Volume Serial Number \_\_\_\_\_

FLEXID \_\_\_\_\_

Time Settings

System Time Zone US Eastern Standard Time

GMT Time Thu Apr 20 12:04:25 2017

Difference From UCT 300


MSDOS Time 08:04:25

Local Time 1492689865

Windows Directory C:\WINDOWS



- License File Text :



Save License File

Register and activate more products

Print

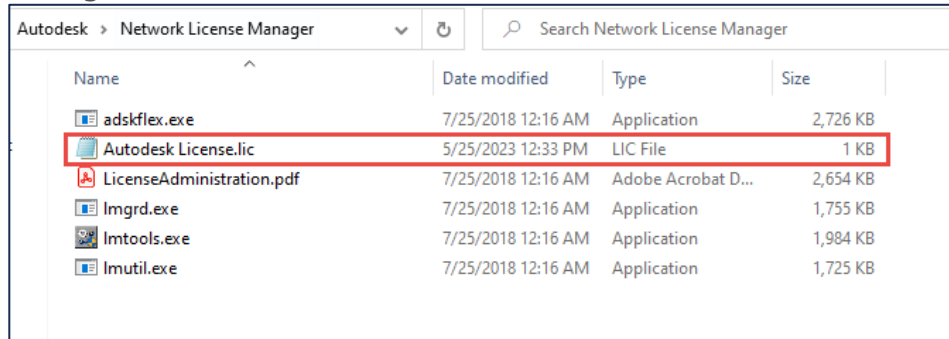
Save Page



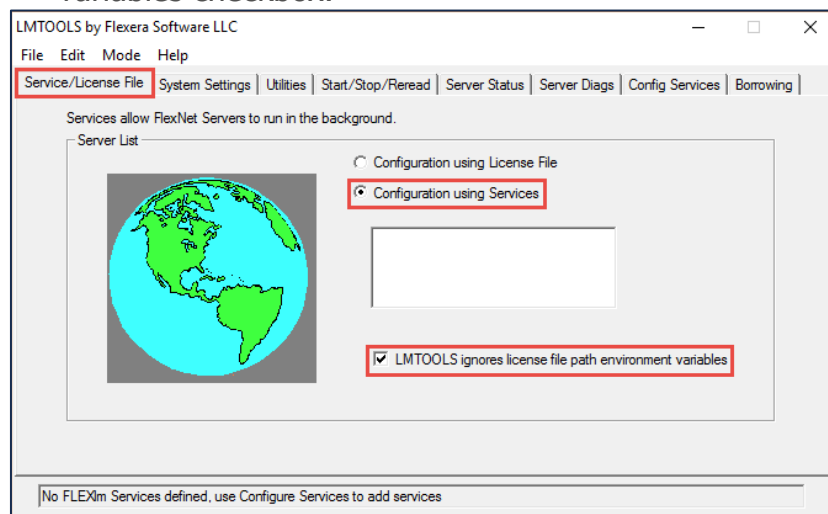
# Configure LMTools

## Procedure

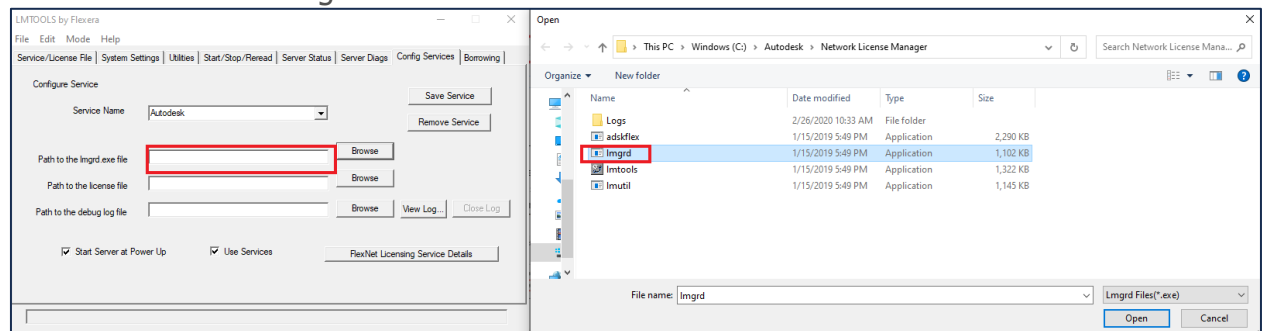
1. Place your license file in the following path: C:\Autodesk\Network License Manager



2. To Configure the license server, open LMTools
3. Under the Service/License File tab, select the Configuration using Services bubble, and select the LM Tools ignores license file path environment variables checkbox.

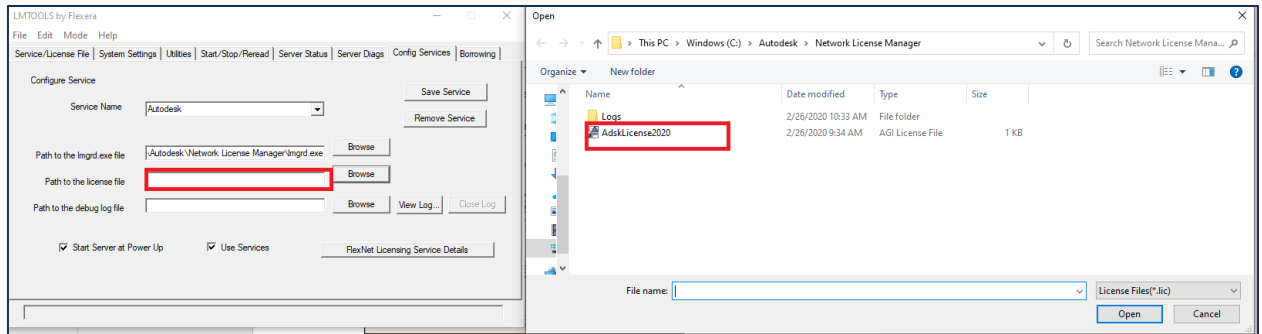


4. Specify the following paths in the Config Services tab:
  - a. Path the lmgrd.exe file.

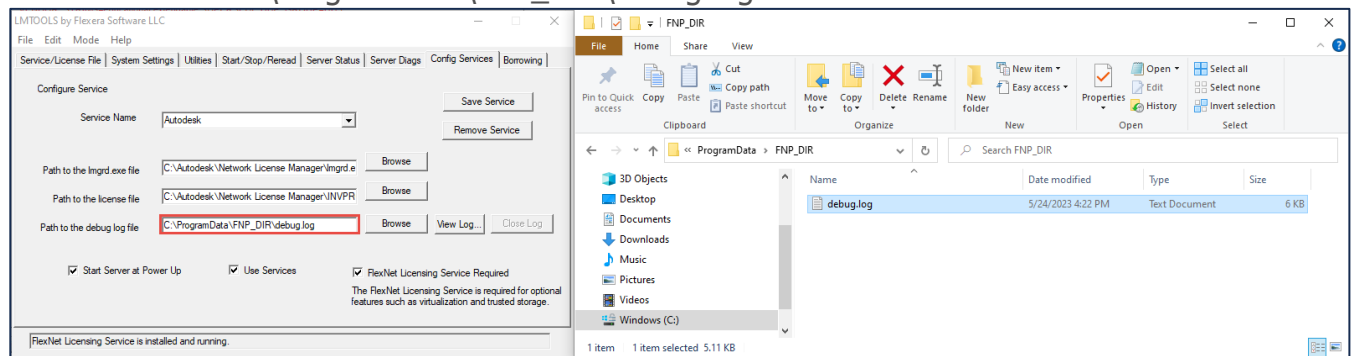


- b. Path the License file

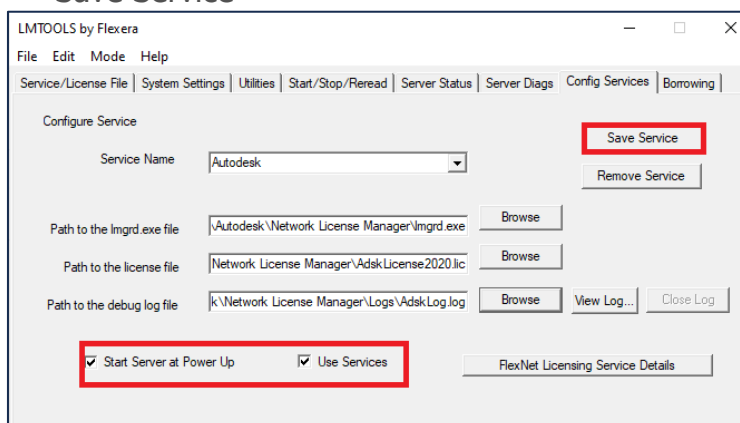




c. Use the default log file path that is pre-populated:  
C:\ProgramData\FNP\_DIR\debug.log

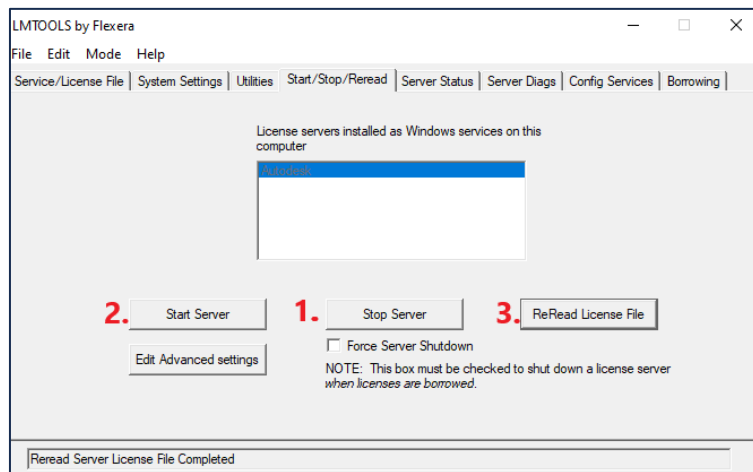


5. Check the boxes for Start Server at Power Up and Use Services, then select Save Service

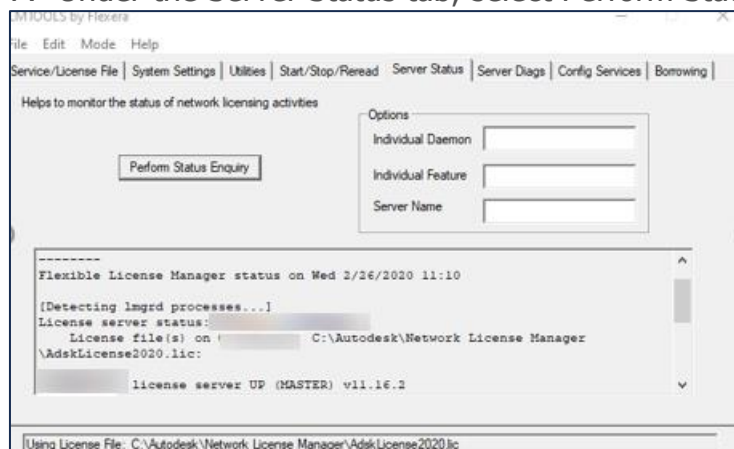




6. To make the service start running, go to the Start, Stop, ReRead tab. Then select buttons in the order below, Stop Server, Start Server, then ReRead License File



7. Under the Server Status tab, select Perform Status Enquiry

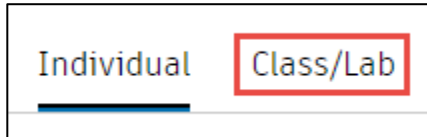


- Scroll down until you find "YourServerName : license server UP (MASTER) v11.18.2" – this line tells you that the license server is up and running and that it is running the latest version.
- Continue scrolling down until you find "Adskflex: UP v11.18.2" – this line tells you that the license server has successfully read the license file, has found no errors and has started running the service.

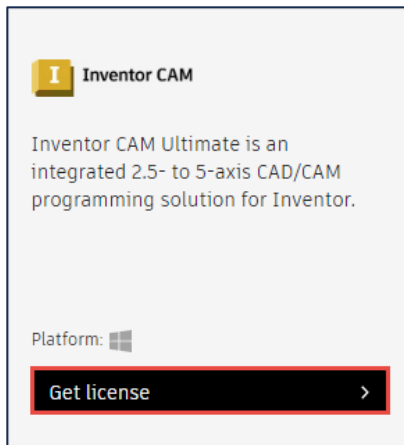


## Install Inventor CAM on Client Machines

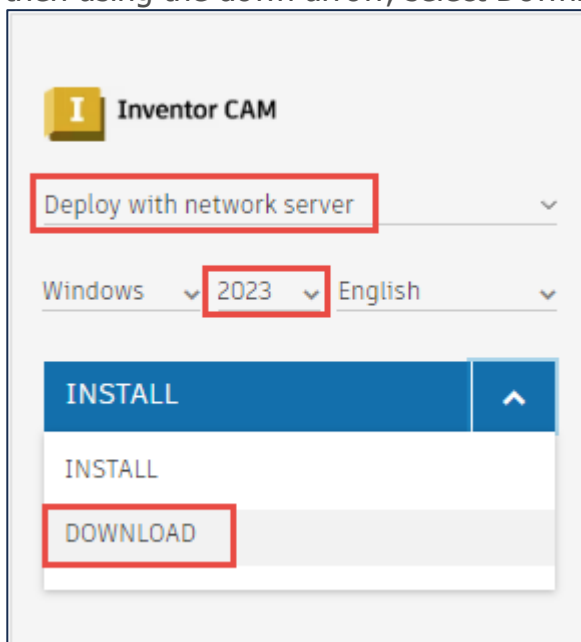
1. Go to <https://www.autodesk.com/education/edu-software/overview> and sign in.
2. Select Class/lab as your installation type.



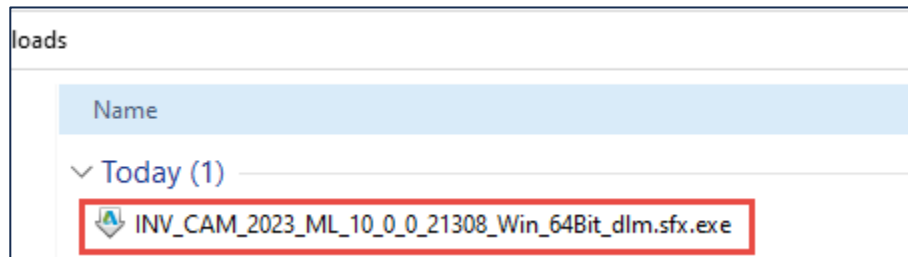
3. Select Get license.



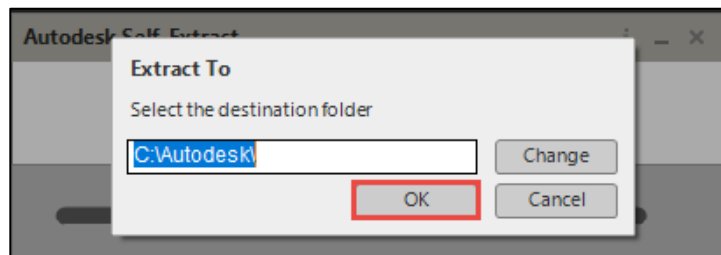
4. From the drop-down menus, select Deploy with Network Server, 2023, and then using the down arrow, select Download.



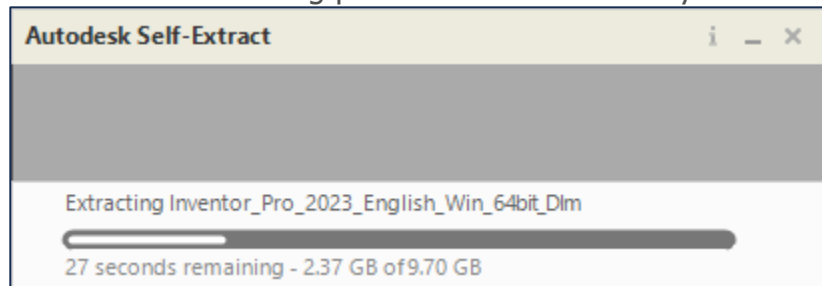
- Inventor CAM will begin downloading several files for installation. If the file is not downloading, check your pop-up blocker. Run the installer when it is finished downloading.



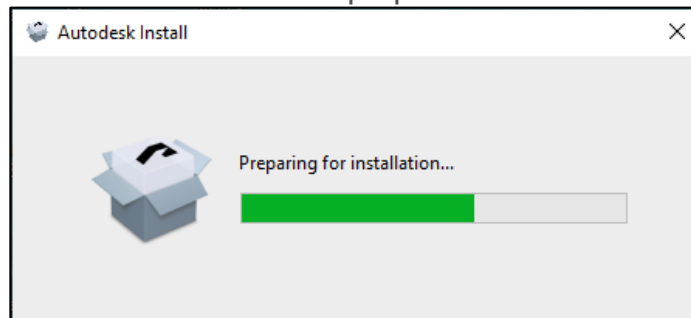
- After selecting the installation file, the Self-Extract process will begin. Select OK.



- Wait for the extracting process to run. This may take a few minutes.

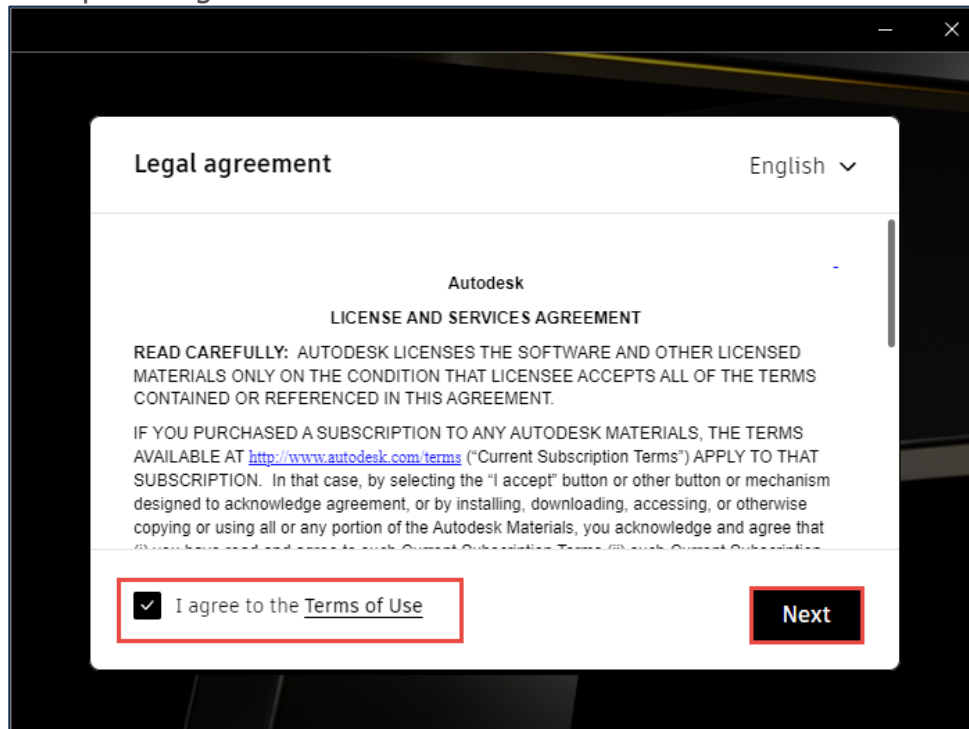


- Wait for the installation preparation.

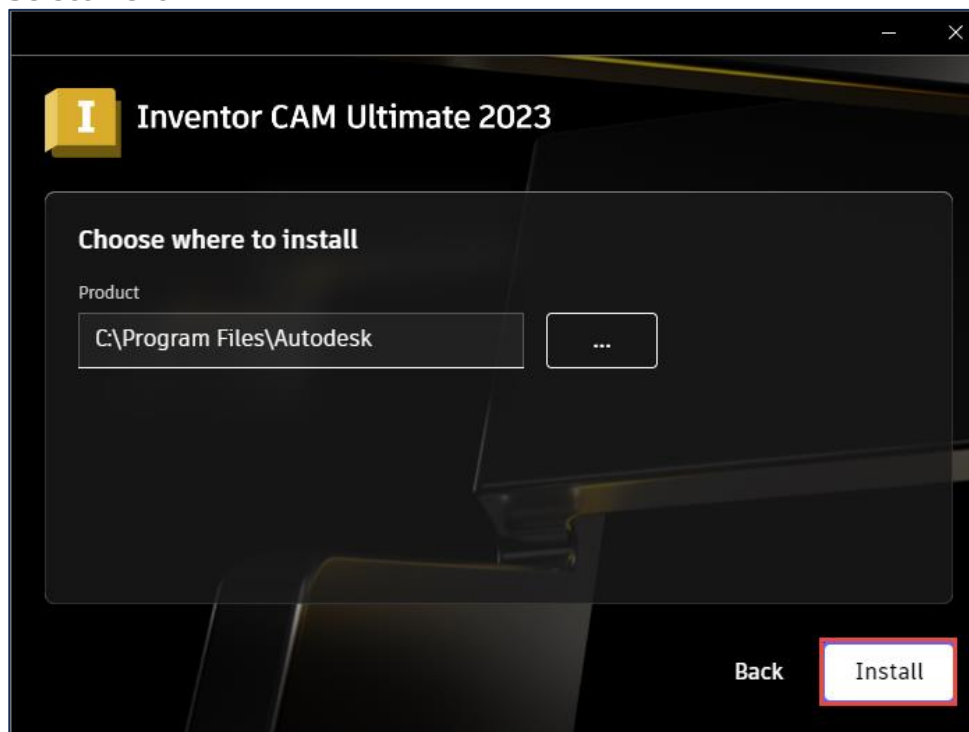




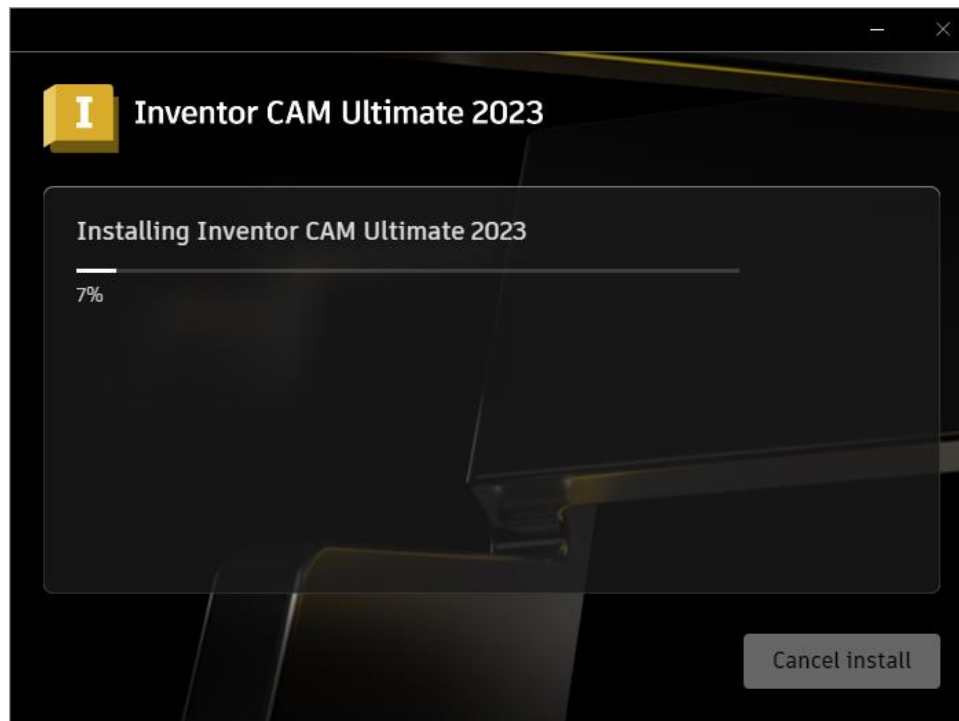
9. Accept the Agreement and Select Next.



10. Select Next.



11. Wait for Inventor CAM to install.

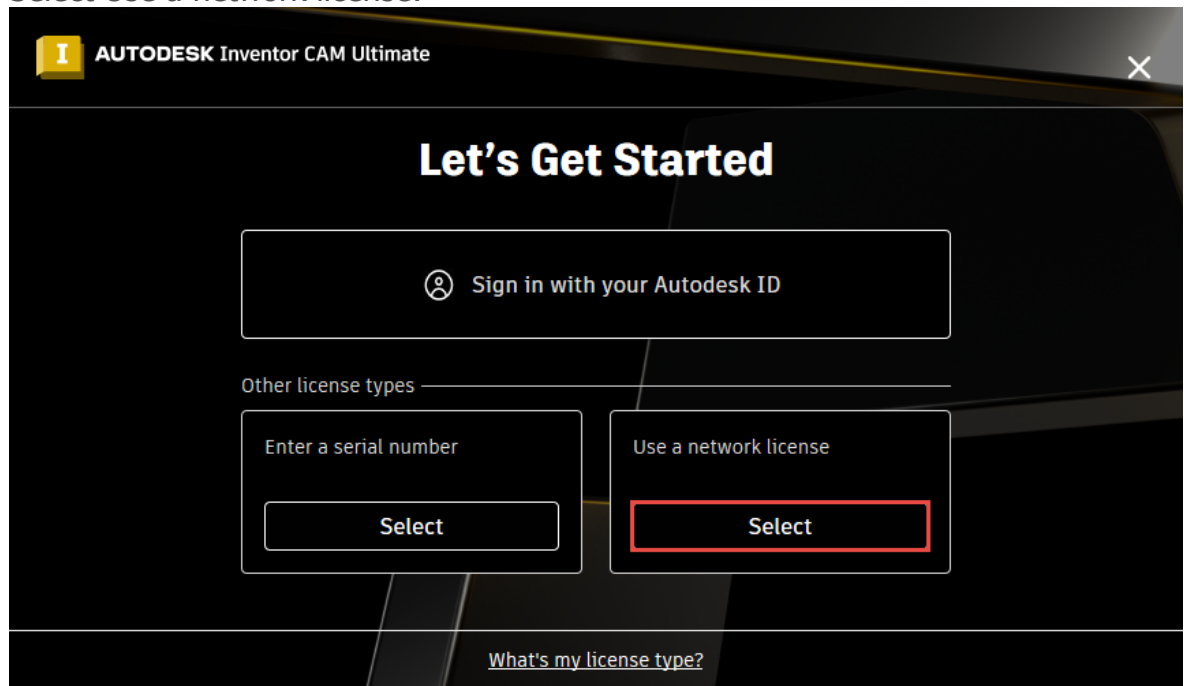


12. Select Start.

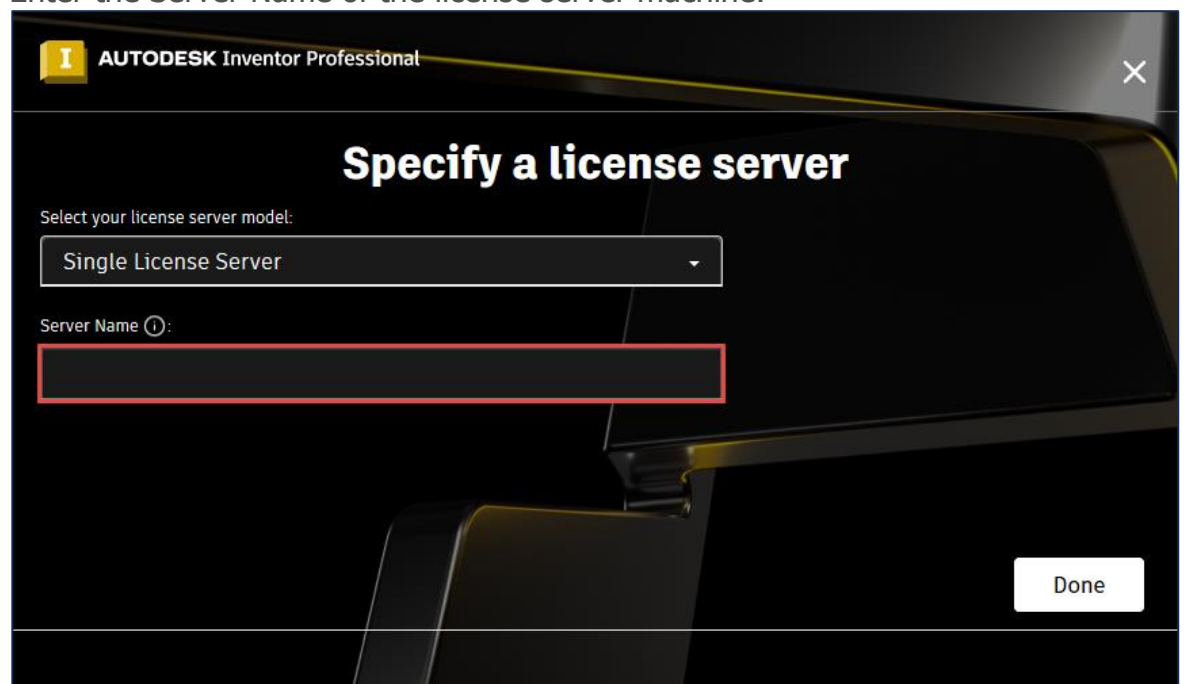


# Licensing Inventor CAM 2023

1. Select Use a network license.

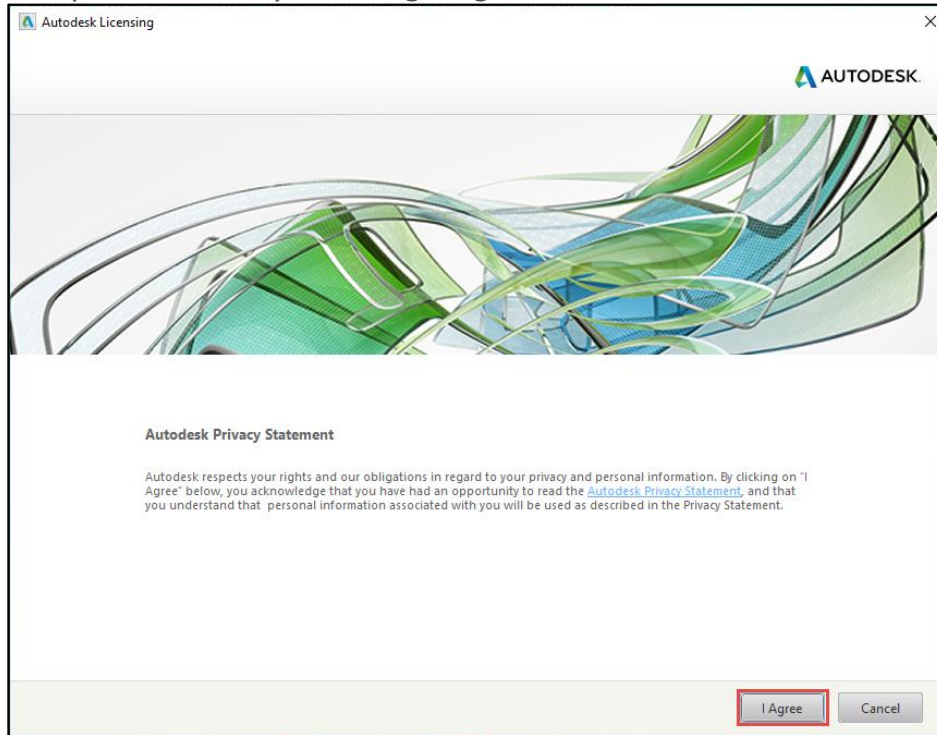


2. Enter the Server Name of the license server machine.

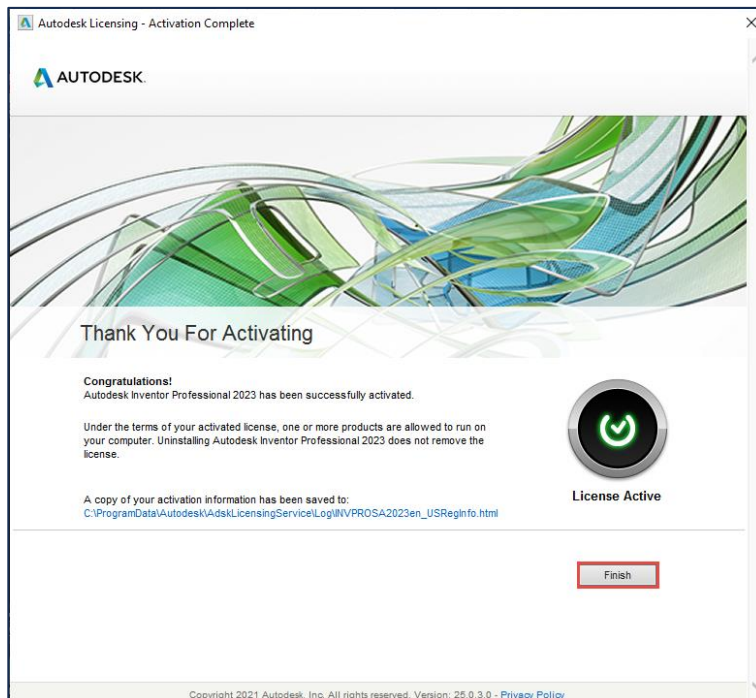




### 3. Accept the terms by selecting I Agree.



### 4. Select Finish



5. Inventor CAM is now installed and licensed.

