INVENTOR 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; t 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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EMPOWERING STUDENTS
TO THRIVE IN AN EVOLVING WORLD

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. Inventor 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/EB0JPJWk EgBXjZRPBONh1.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.
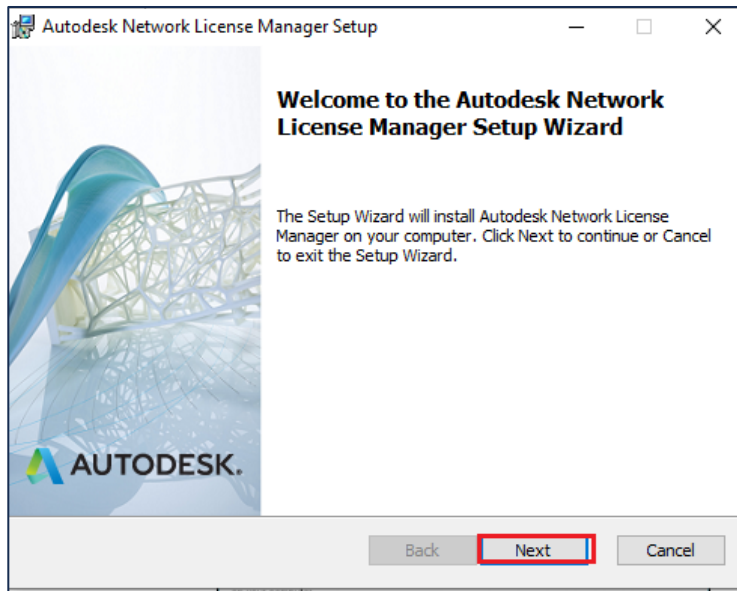
Windows 64-bit

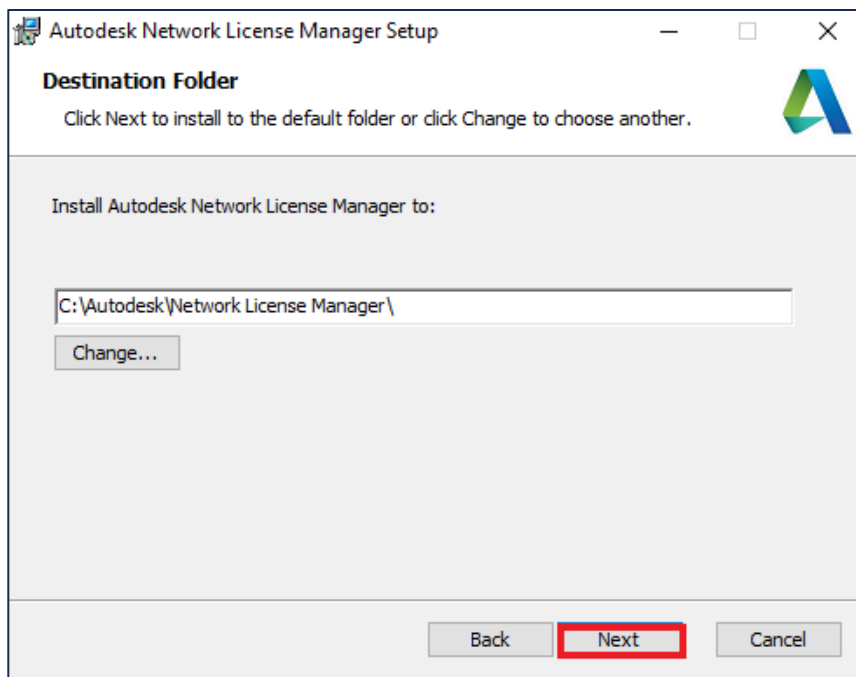nlm11.18.0.0_ipv4_ipv6_win64.msi (msi - 7974 KB) MD5: 5b47b9b432264a3db0027391e840b606
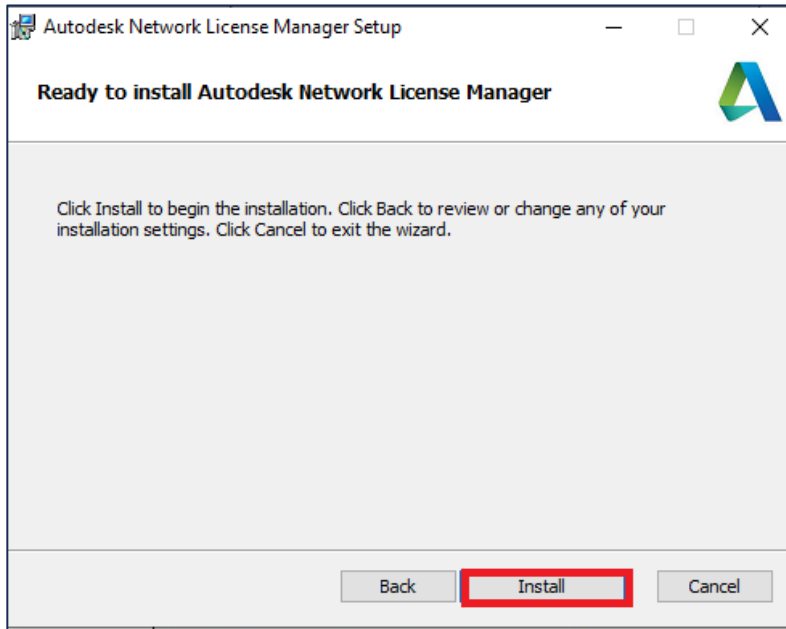
Readme.html

2. Once the download is finished, launch the installer

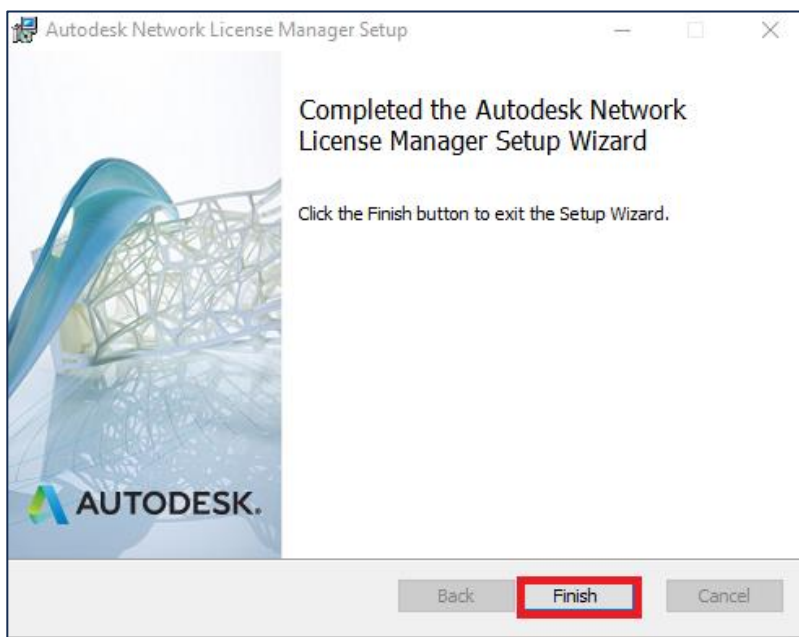3. Select Next on the Setup Wizard

4. Check the file path and select Next again
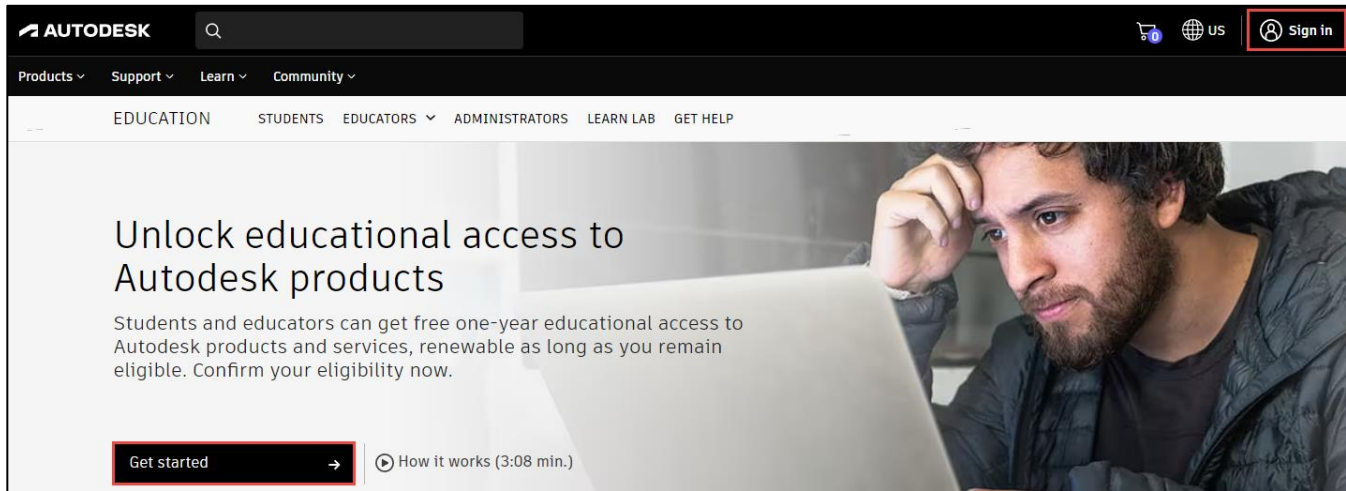
5. Select Install
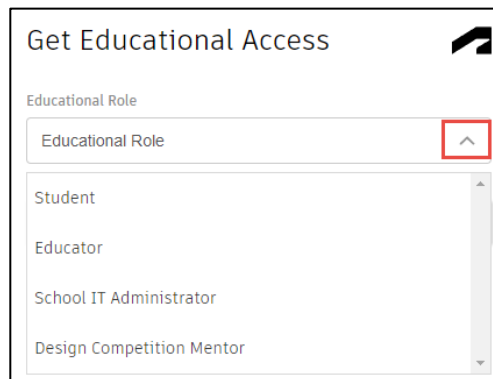

6. Once the install is complete select Finish

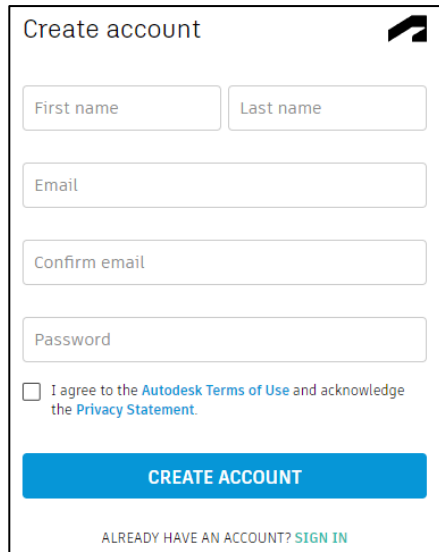# Creating and verifying your Autodesk account

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

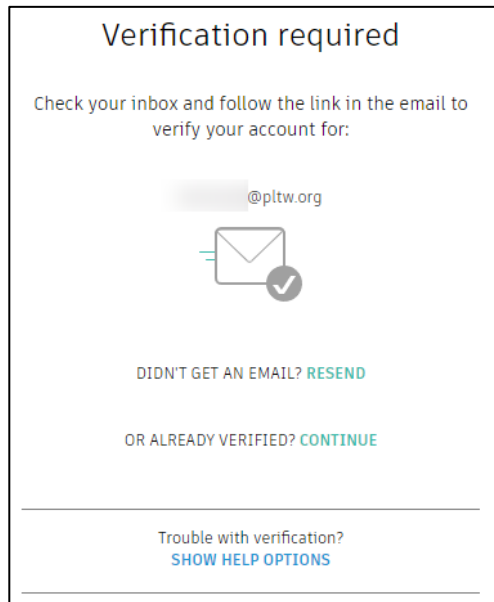First name | Last name

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:
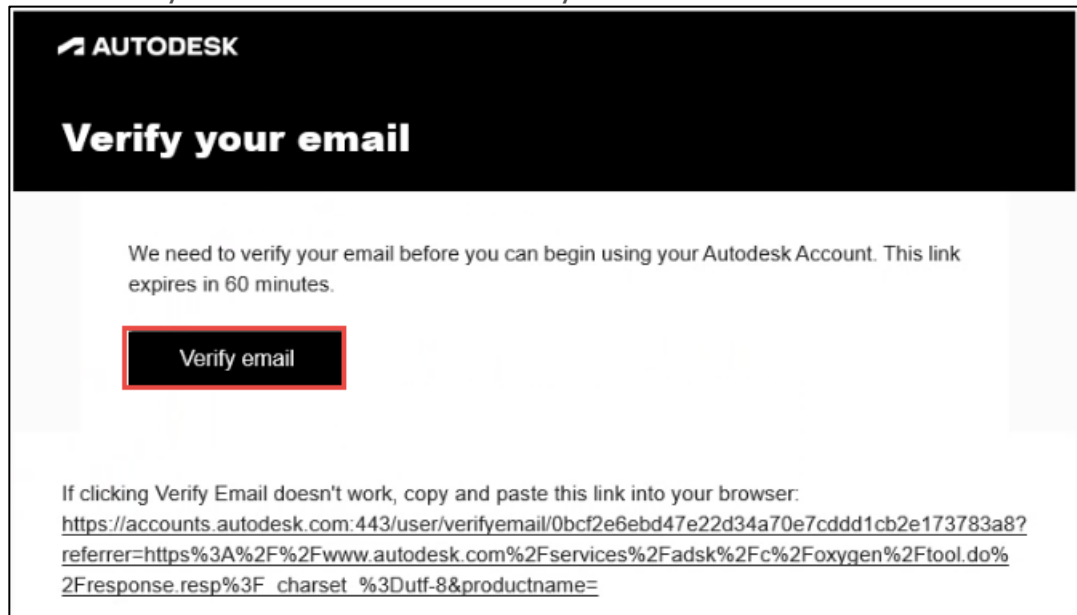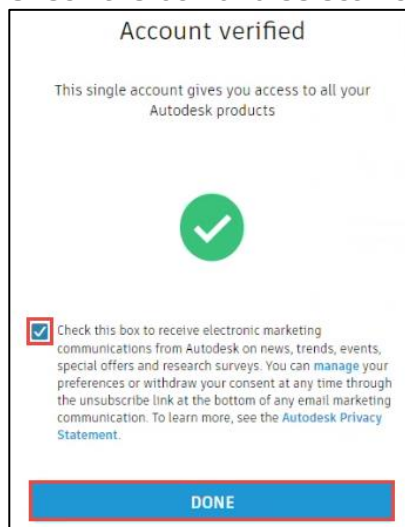
@pltw.org

DIDN'T GET AN EMAIL? RESEND

OR ALREADY VERIFIED? CONTINUE

Trouble with verification?
SHOW HELP OPTIONS

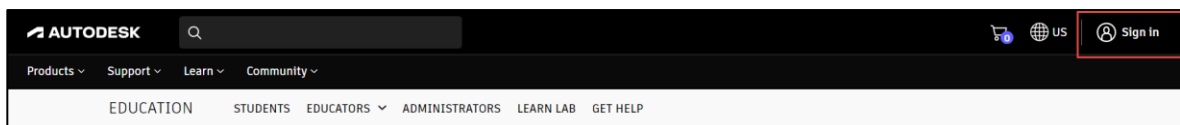6. Select Verify email from the email that you received.

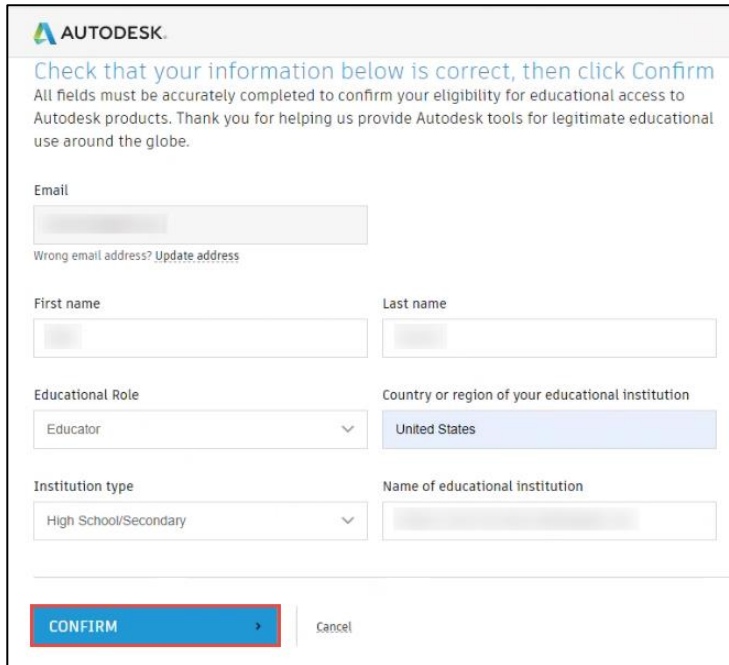7. Check the box and select Done.

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.

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.**
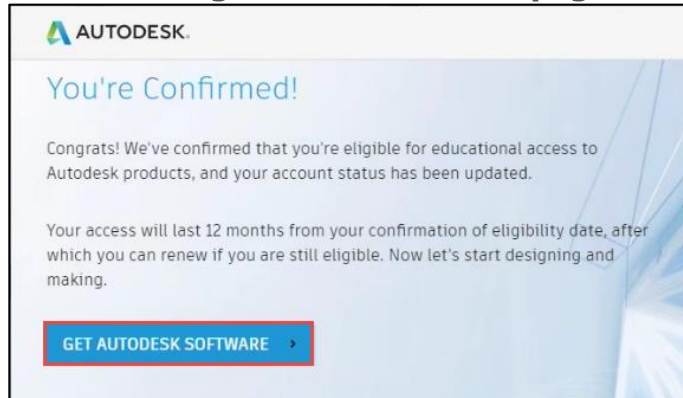
11. In the Name of educational institution box, type in the name of your school slowly and see the name of your school appear in a drop-down menu below the text box. If your school is not listed, select School Not Listed from the drop down below the text box.

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

    a. 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.

    b. Other verification methods include a student ID that includes the school year, or a link to the faculty listing on the school website.

    c. 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.

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.

Get Licensing information for Inventor 2023

1. Go to https://www.autodesk.com/education/edu-software/overview and sign in.

2. Select Class/lab as your installation type.

Individual	Class/Lab
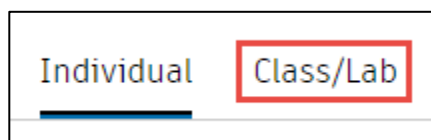
3. You will be prompted to select one of the following options. To install with Standalone Licensing, you will need to select **Education Network Licenses**. This will give you access to Standalone licensing in the subsequent steps. **NOTE: If you choose the Education Single-User Subscriptions, you will 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.
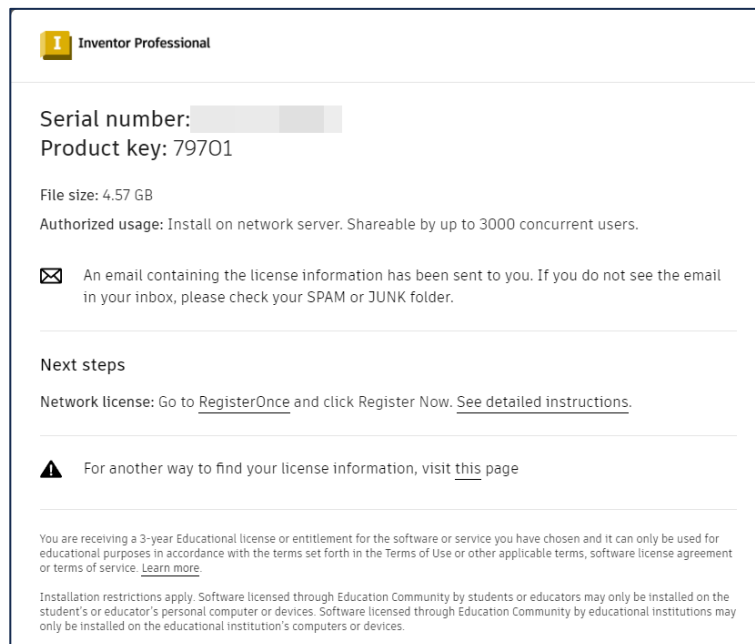
4. Select Get license.
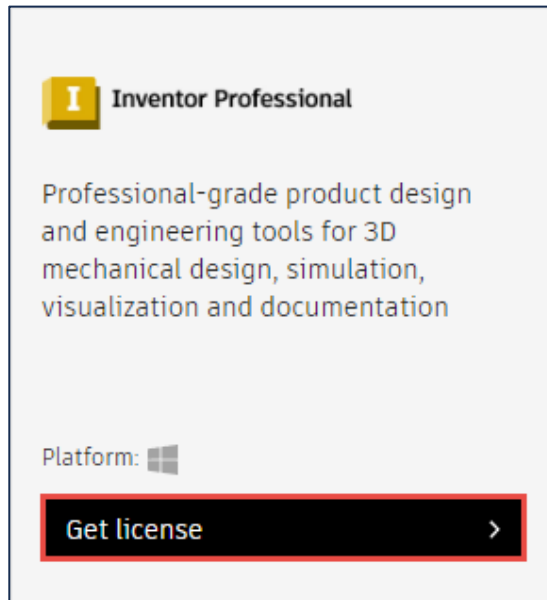
5. From the drop-down menus, select Deploy with Network Server, 2023, and then using the down arrow, select Download.
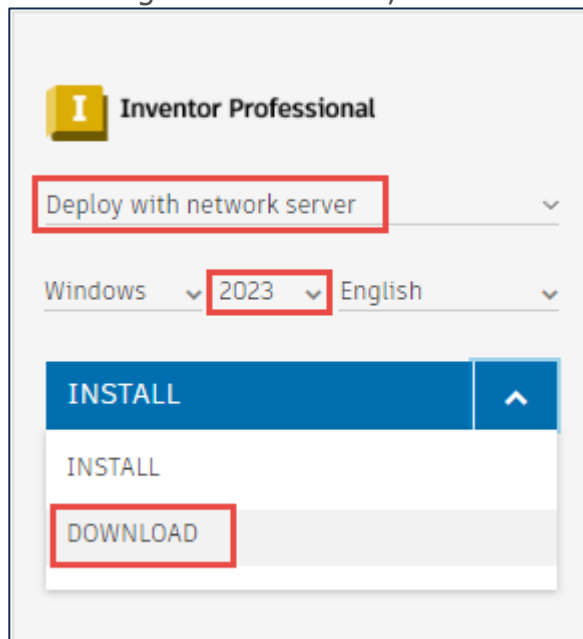
6. Inventor will begin downloading several files for installation. ==If you are not installing on this machine, you can cancel the download. Instructions later in the document will show you how to come back and install== **Please wait for all files to download, or your installation will not work.** Once ALL of the files have downloaded, select any file to begin installation. If multiple files are not downloading, check your pop-up blocker to see if they are getting blocked.
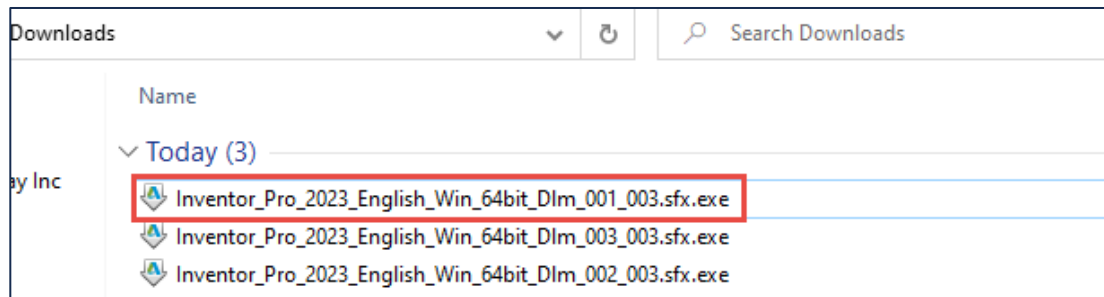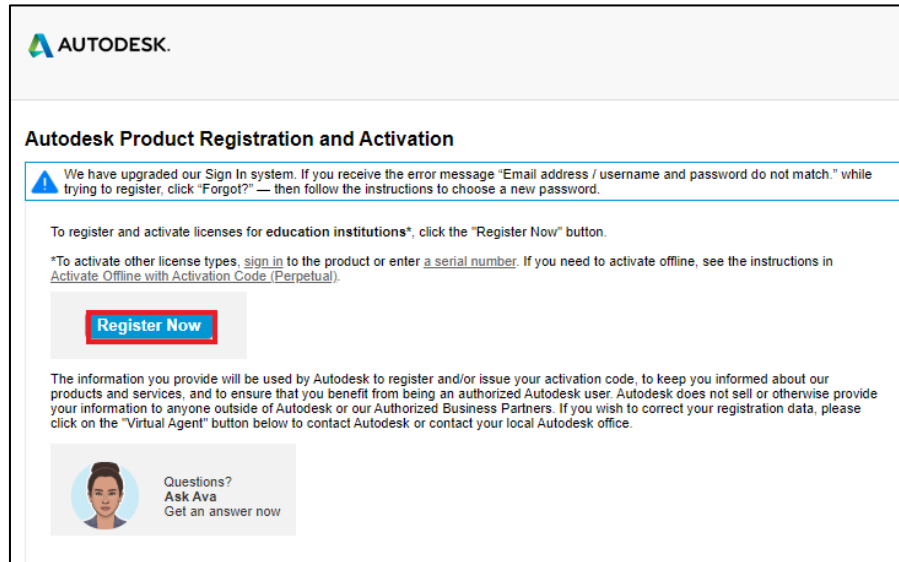

7. As downloads begin, your screens will show your licensing information. Record the Product Key and Serial Number, as they will be needed post installation.

Create Your Network License File

Procedure

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

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

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
⦿	Project Lead The Way						

Add New Account   Remove Account   Next >>

Questions? Ask our
Virtual Agent

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 :

<< Back   Next >>

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

Save HOSTID Info to a File

5. In red is a copy of your license file. Select Save License File, so that you can later place in on your server.

License File Text :

Save License File

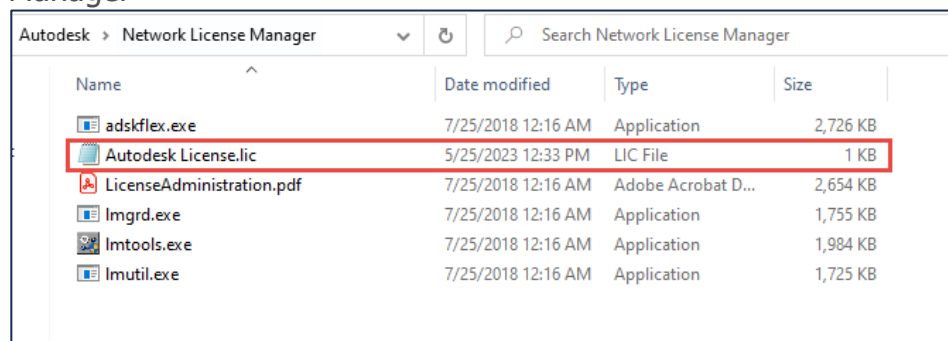Register and activate more products

Print   Save Page
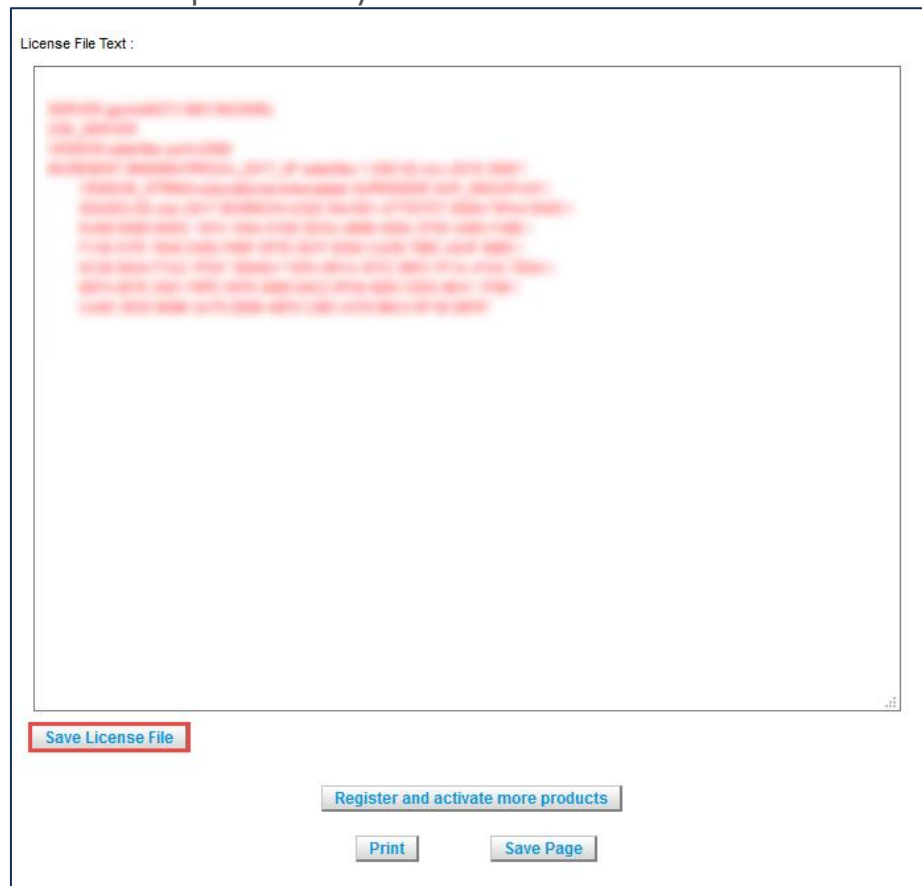
**NOTE. If you are installing more than one Autodesk Product with Network Licensing, you will need to combine the license files. Here is a link on How to Combine Autodesk Network License Files.

Configure LMTools

Procedure

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

| Name	Date modified	Type	Size
adskflex.exe	7/25/2018 12:16 AM	Application	2,726 KB
Autodesk License.lic	5/25/2023 12:33 PM	LIC File	1 KB
LicenseAdministration.pdf	7/25/2018 12:16 AM	Adobe Acrobat D...	2,654 KB
lmgrd.exe	7/25/2018 12:16 AM	Application	1,755 KB
lmtools.exe	7/25/2018 12:16 AM	Application	1,984 KB
lmutil.exe	7/25/2018 12:16 AM	Application	1,725 KB

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.
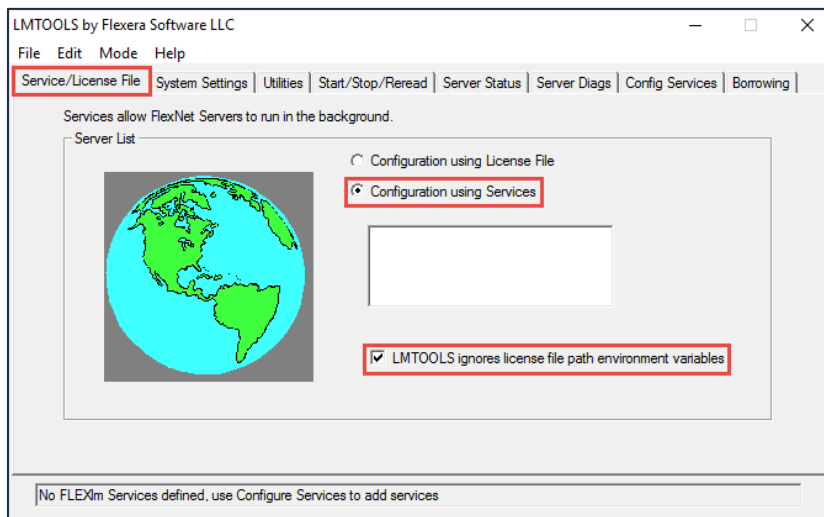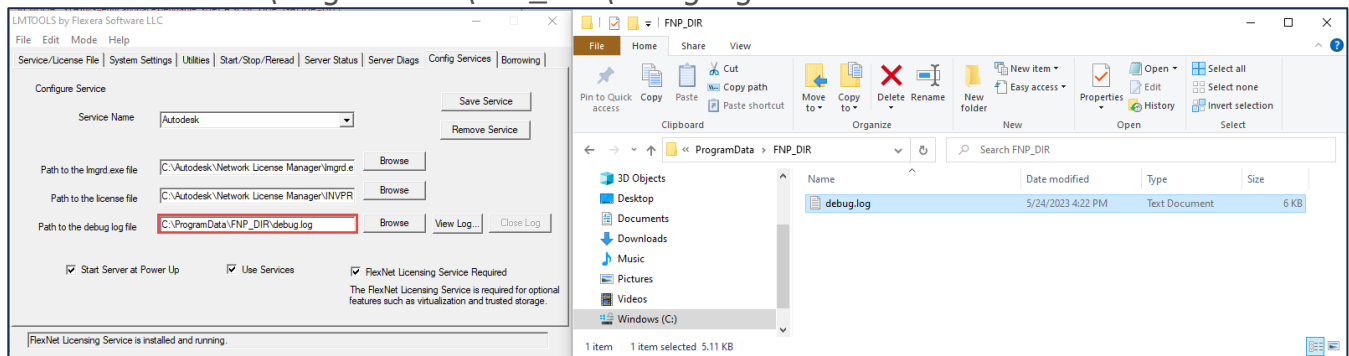

4. Specify the following paths in the Config Services tab:
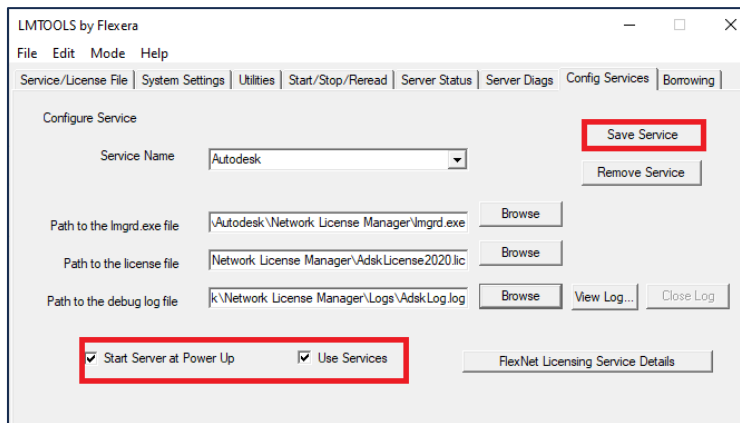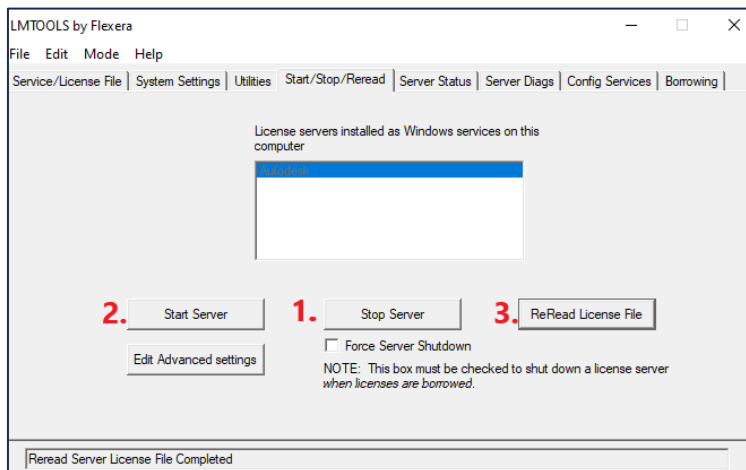   a. Path the lmgrd.exe file.
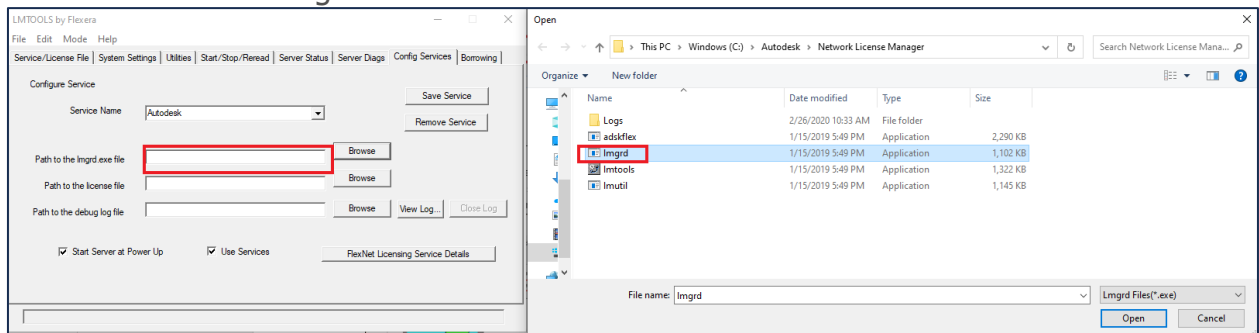
   b. Path the License file
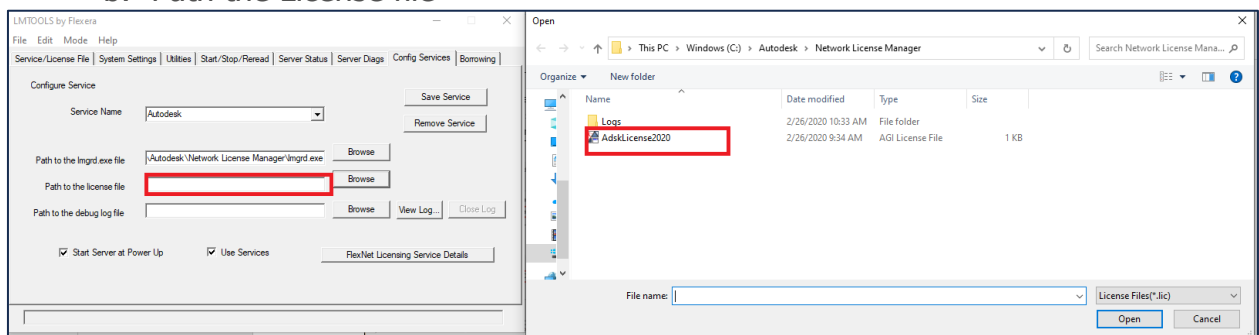
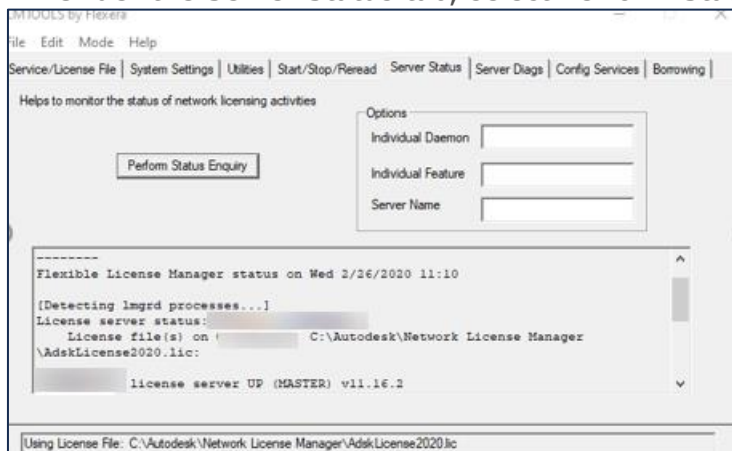c. Use the default log file path that is pre-populated: C:\ProgramData\FNP_DIR\debug.log

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

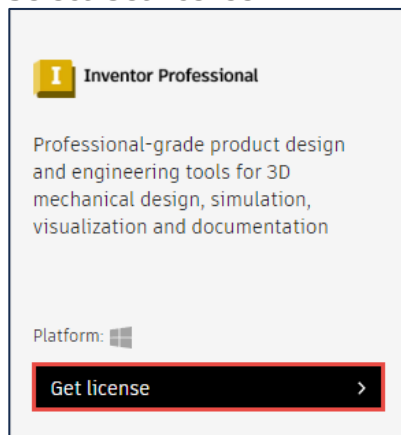6. To make the service start running, go to the Start, Stop, ReRead tab. Then select buttons in the order below, Stop Server, Start Sever, then ReRead License File

a. 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.
b. 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.
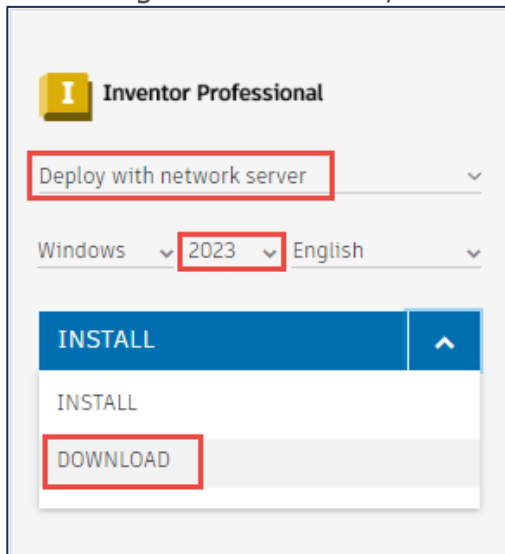
Install Inventor on Client Machines

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.


5. Inventor will begin downloading several files for installation. **Please wait for all files to download, or your installation will not work.** Once ALL of the files have downloaded, select any file to begin installation. If multiple files are not downloading, check your pop-up blocker to see if they are getting blocked.
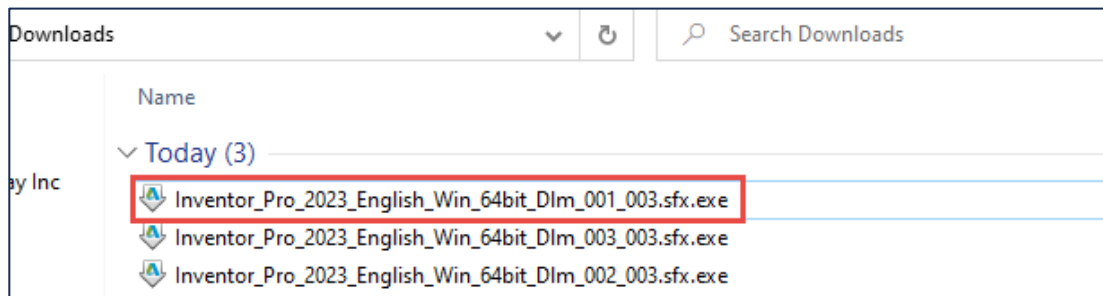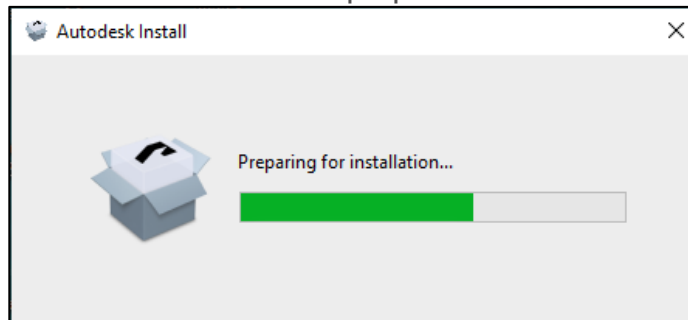

6. After selecting the installation file, the Self-Extract process will begin. Select OK.
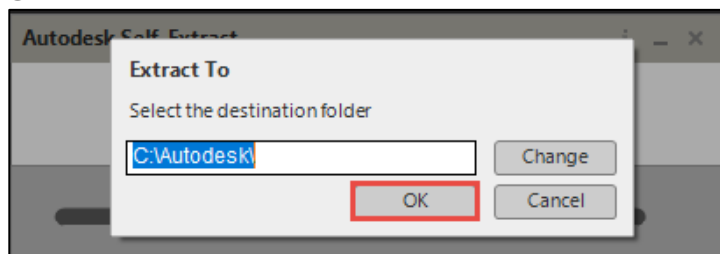
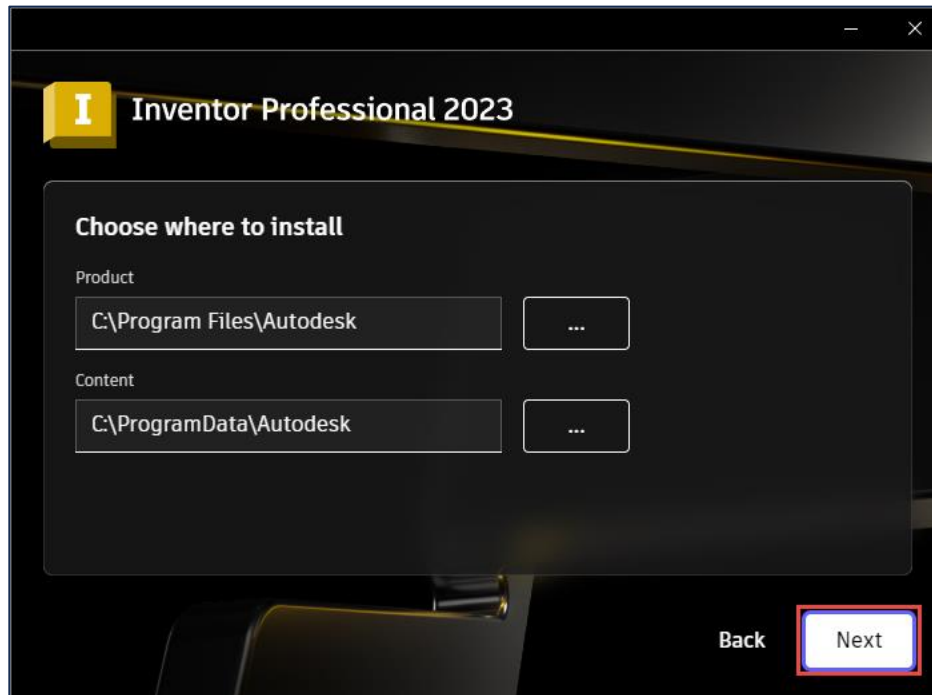7. Wait for the extracting process to run. This may take a few minutes.
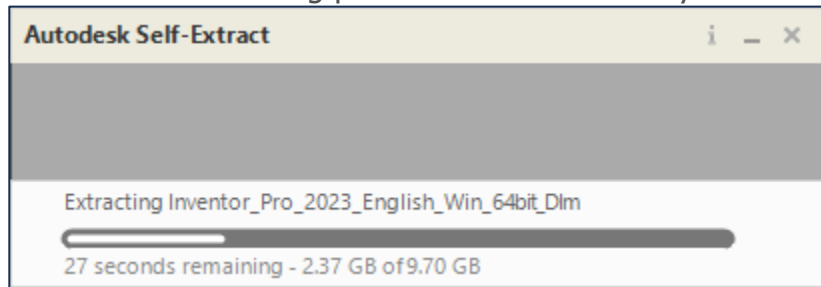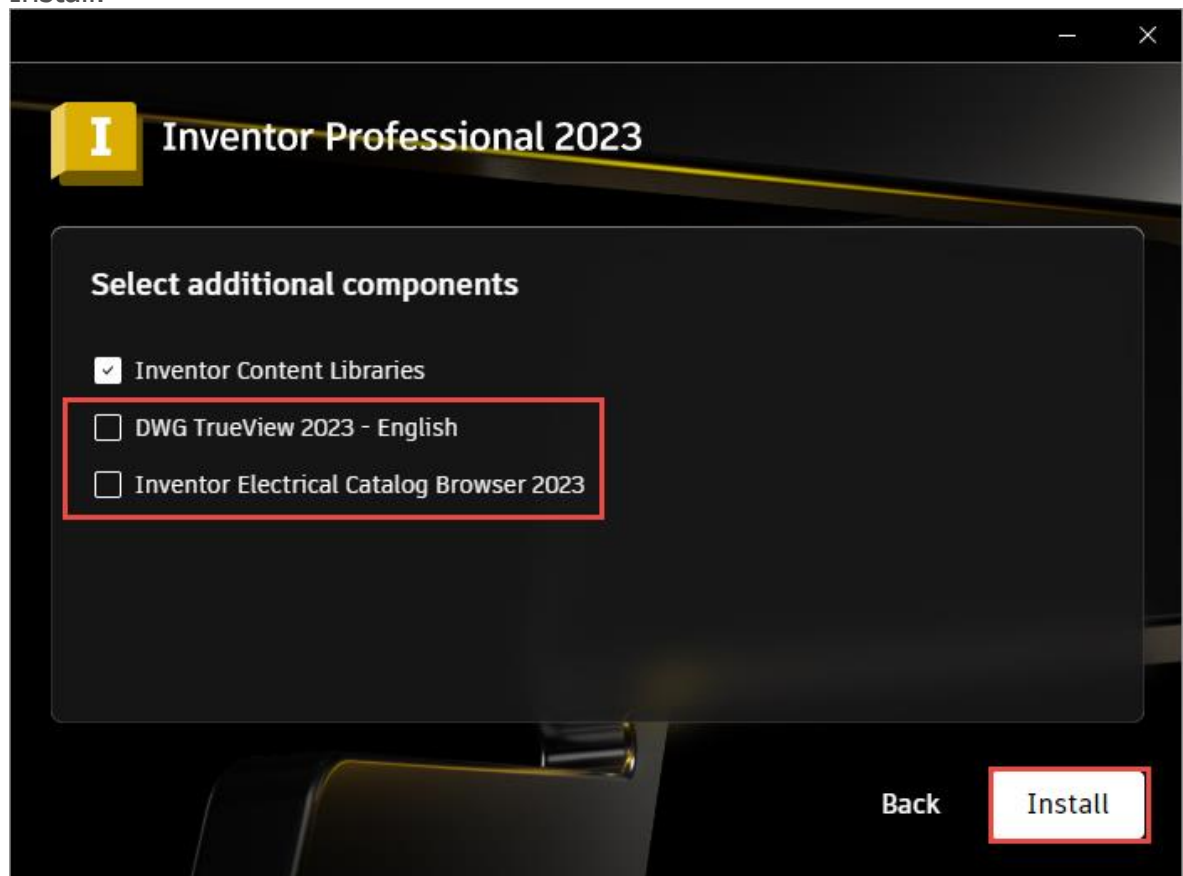

8. Wait for the installation preparation.
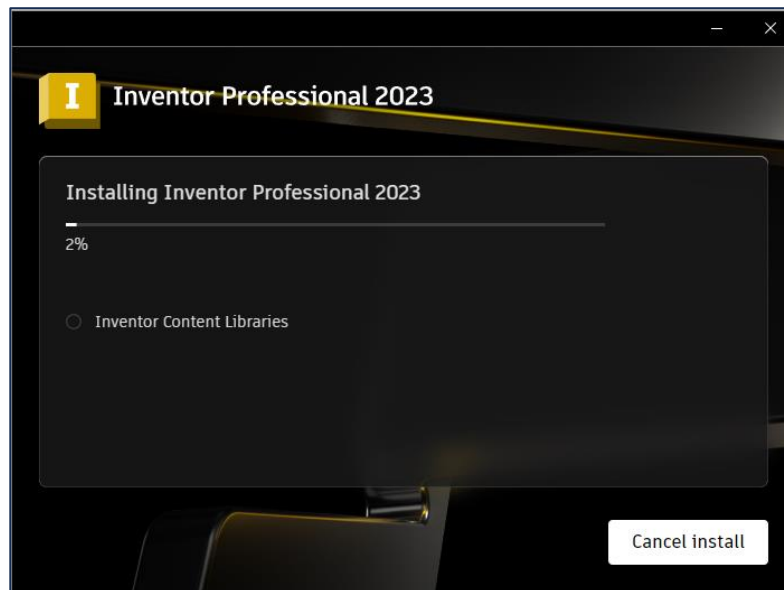

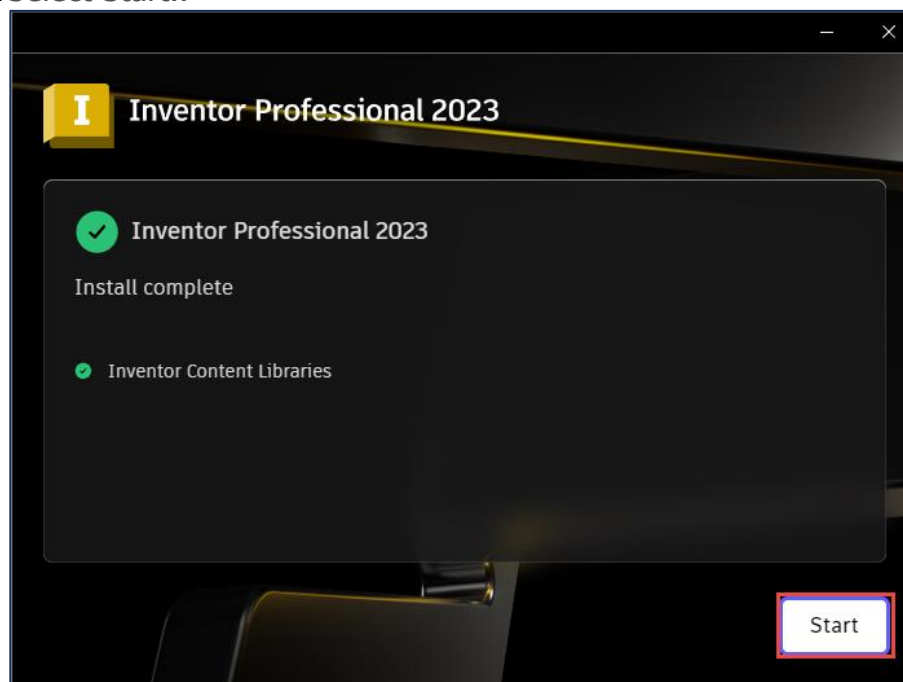9. Accept the Agreement and Select Next.
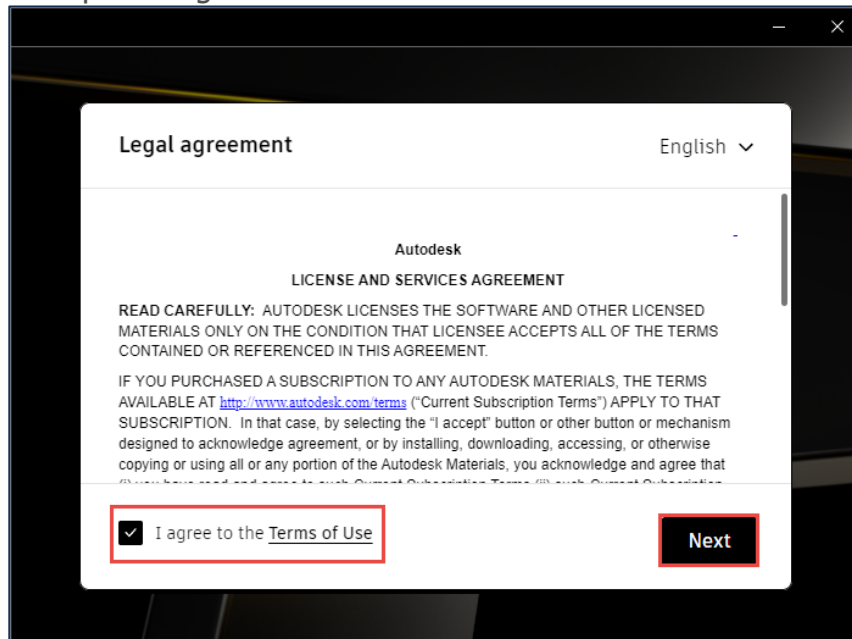
10. Select Next.

11. Uncheck DWG TrueView and Inventor Electrical Catalog Browser. Select Install.
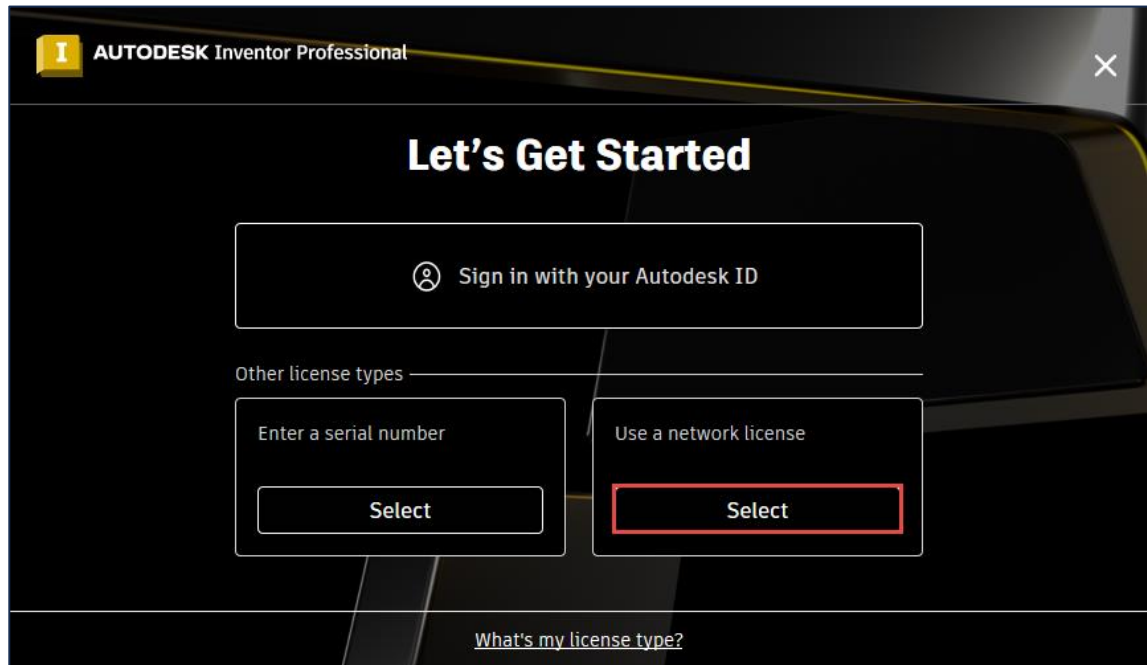
12. Wait for Inventor to install.
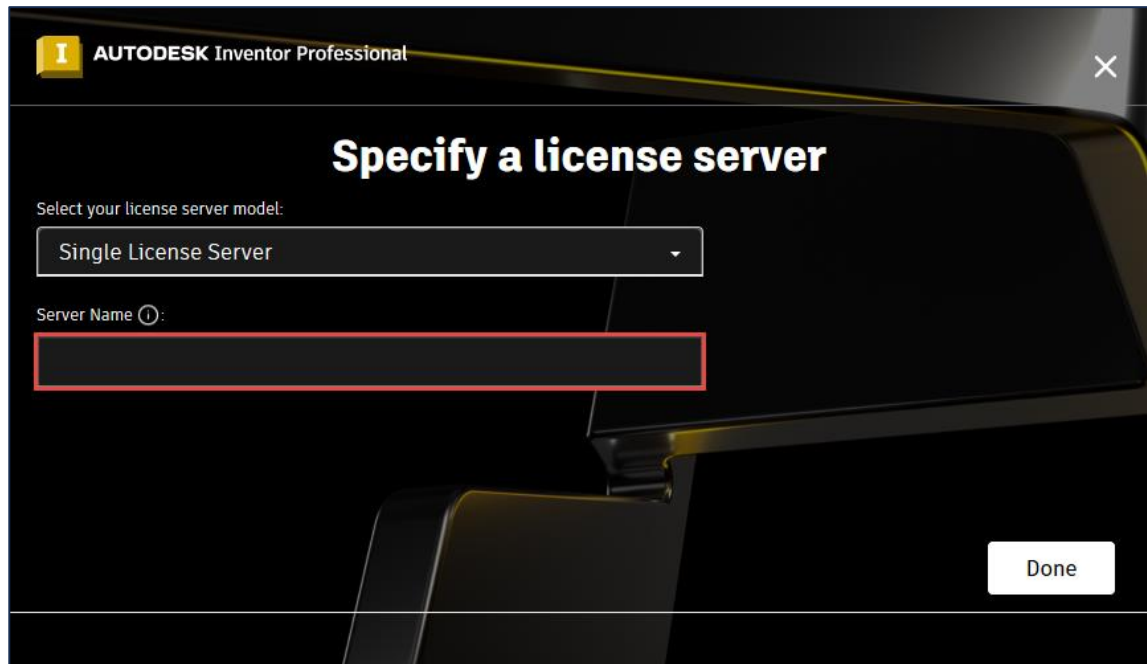

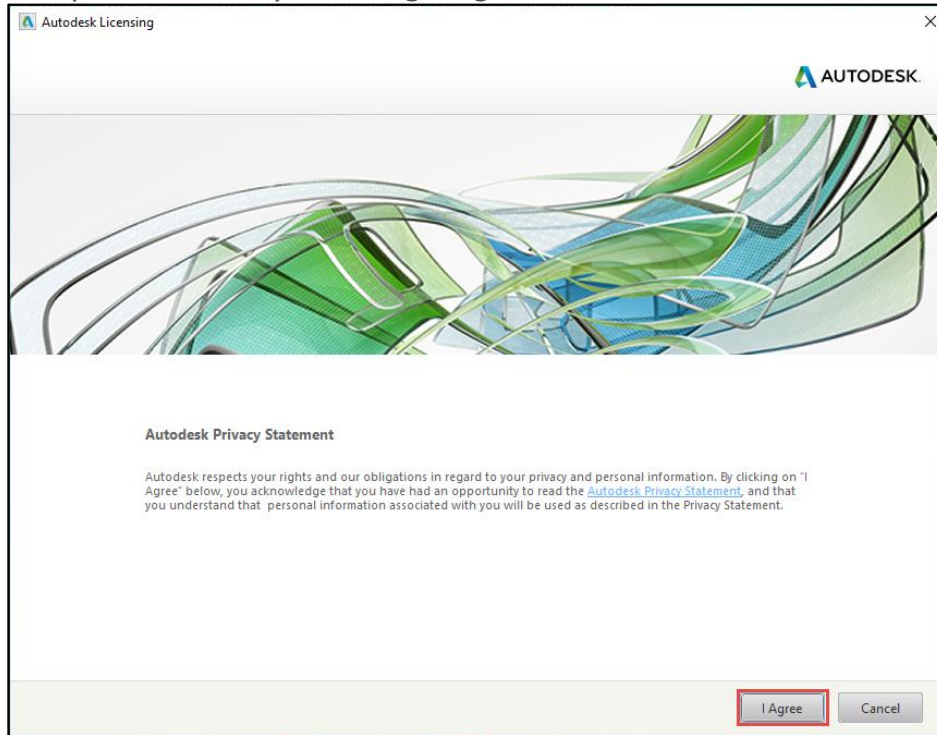13. Select Start..

Licensing Inventor 2023
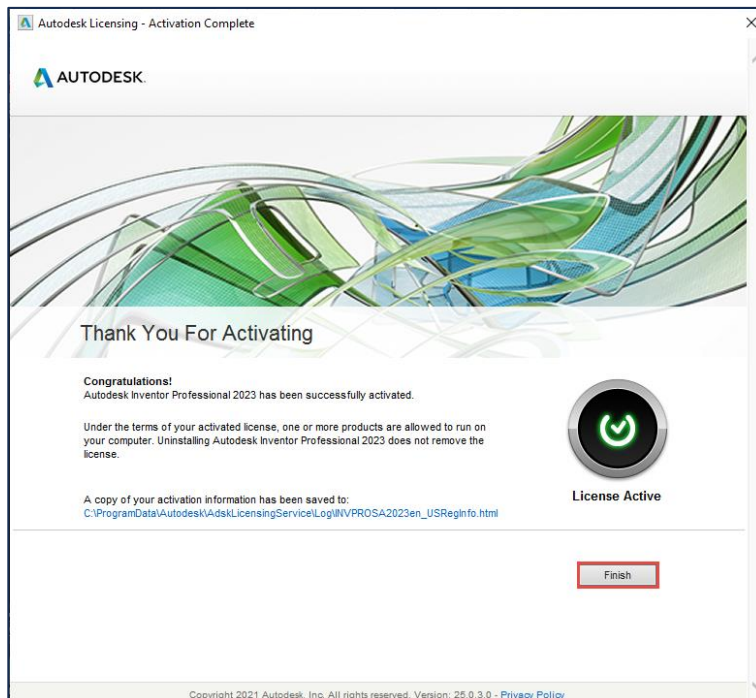
1. Select Use a network license.

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

3. Accept the terms by selecting I Agree.

4. Select Finish

5. Inventor is now installed and licensed.