

Autodesk® Design Academy 2009

Installation Guide

The Autodesk logo is displayed in white text on a black rectangular background. The word "Autodesk" is written in a bold, sans-serif font, oriented vertically from bottom to top.

May 2008

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Contents

Chapter 1	Getting Started with Autodesk Design Academy 2009	1
	Documentation in Autodesk Design Academy	1
	Product Contents	2
	Autodesk Media and Entertainment Software Options	4
	Contact Information	4
Chapter 2	Prepare for Installation	7
	Overview	7
	Site Configuration	8
	Understand Installation and Licensing Types	8
	Installation Prerequisites	10
	Review the System Requirements	11
	Understand Administrative Permissions	11
	Unsuccessful Installations	12
	Deployment Plan	12
	Create Shared Folders for Deployments	12
	Clean a Primary System and Restore the Operating System	14
	Consistent Product and User Information	14
	How to Install Autodesk Design Academy Products	15
Chapter 3	Installation Quickstarts Overview	17
	Summary of Quickstarts	17
	Network Licensing Quickstart	17

	Create Deployments Quickstart	17
	Stand-Alone Quickstart	18
Chapter 4	Network Licensing Quickstart	19
	Install the Network License Manager	19
	Install the Network License Activation Utility	21
	Run the Network License Activation Utility	23
	How to Configure a License Server	26
	Licensing Multiple Products	28
Chapter 5	Create Deployments Quickstart	31
	Use the Deployment Wizard to Set Up a Deployment	31
	Minimize Chances of Installation Failure	32
	Preliminary Tasks for a Network Deployment	32
	Quickstart to Creating a Deployment	34
	Deployment Choices	36
	Enter Product and User Information	36
	Specify Log File Locations	37
	What Is Silent Mode?	38
	Customer Involvement Program (CIP)	38
	Select a License Type (optional)	39
	Select the Installation Type (optional)	43
	Define Search Paths and File Locations (optional)	45
	Install Additional Files (optional)	47
	Specify User Preferences (optional)	49
	Include Service Packs (optional)	50
	Configure InfoCenter Communication Center (optional)	52
	Allow Users to Access Online Resources (optional)	54
	Final Review and Complete Setup	56
	Modify a Deployment (optional)	56
	Point Users to the Administrative Image	57
Chapter 6	Stand-Alone Quickstart	59
	Installing Autodesk Design Academy Products	59
Chapter 7	Product Distribution	63
	Installation by Deployments	63
	Distribution by Imaging Software	64
Chapter 8	Product Activation and Removal	67
	Product Activation	67
	Product Removal	68

Chapter 9	Education Curriculum	69
	Curriculum Overview and Installation	69
Chapter 10	Troubleshooting Guide	75
	Network Licensing Issues	75
	Deployment Issues	76
	Activation Issues	76
	Refresh Issues	76

Getting Started with Autodesk Design Academy 2009



Autodesk Design Academy offers a comprehensive pre-engineering, pre-architecture, and cross-discipline curriculum that helps students learn the fundamentals of the design process while using popular Autodesk design tools.

The product meets national standards and includes a course syllabus, student exercises and projects, online learning resources, and cross-curricular projects for physics, science, and chemistry. The curriculum engages educators and students in real-life projects, while developing skills in teamwork, design, mathematics, science, and technology. For more information, see Education Curriculum on page 69.

In addition to purchasing the Autodesk Design Academy package, you may purchase Autodesk Media and Entertainment “Autodesk Animation Academy” products, which are licensed separately from the Autodesk Design Academy products and are sold either through Academic Resellers or directly from Autodesk.

Documentation in Autodesk Design Academy

If necessary, you can print PDF versions of the installation and licensing manuals from each product's installation screen by selecting the Read this Documentation option. You can also access PDFs from the product disks by navigating to the documentation (docs) folder. You need Adobe® Reader® to view the PDF files. To download the Adobe Reader free of charge, visit www.adobe.com.



Read the Documentation

Read and print the Readme, Installation Guide, and other important documentation.

In addition to the installation and licensing guides, you can access extensive documentation within each Autodesk product by clicking on the Help menu in the product.

For late-breaking information about each product (including installation information), see the product's Readme file (on the product disks), or check the individual product sites at www.autodesk.com/products. The main Autodesk support page is www.autodesk.com/support.

Product Contents

Your Autodesk Design Academy package contains the following:

- Autodesk Design Academy Program Binder
- Autodesk Design Academy Welcome Letter
- Autodesk Design Academy Quickstart Guide
- Autodesk Design Academy License Agreement
- Autodesk Certification Information Sheet
- Project Lead the Way Marketing DVD
- Autodesk Student Community Flyer - Secondary
- Autodesk Piracy Prevention Flyer

The following Autodesk product disks are included with your Autodesk Design Academy package. If you are missing any items, contact your Academic Value Added Reseller (AVAR).

Autodesk Design Academy 2009 Software	Number of Disks
Autodesk Design Academy 2009 Common Software Installer	1 DVD
AutoCAD 2009	1 DVD

Autodesk Design Academy 2009 Software	Number of Disks
AutoCAD Architecture 2009	2 DVD
AutoCAD Civil 3D 2009 - <i>Includes AutoCAD Civil 3D 2009 and Land Desktop Companion 2009</i>	4 DVD
Revit Architecture 2009	1 DVD
AutoCAD Revit MEP Suite 2009 - <i>Includes AutoCAD MEP 2009 and Revit MEP 2009</i>	3 DVD
Autodesk Inventor Professional 2009 - <i>Includes AutoCAD Mechanical 2009; Autodesk Inventor 2009; Autodesk Vault 2009; Cable and Harness Design; Tube, Pipe and Flexible Hose Design; IDF Import; Stress Analysis (FEA); and Dynamic Simulation</i>	4 DVD
Autodesk 3ds Max for Design 2009	2 DVD
Autodesk Design Academy 2009 Curriculum Software Installer and Curriculum	2 DVD

NOTE Many of the product disks in this package contain 32-bit and 64-bit versions of the programs. You should only install the 32-bit versions. The 64-bit versions can be installed, but are **not supported** by Autodesk Design Academy. Also, be aware that you cannot install 32-bit products on 64-bit operating systems, and vice versa.

Additional products are also available for download. Autodesk Impression 2 offers ways to rapidly create illustrative presentation graphics from existing CAD files. Impression can be downloaded from www.autodesk.com/designacademyresources.

Autodesk Mechanical Desktop 2009 is an integrated package of 3D parametric modeling tools and 2D drafting and drawing capabilities used to conceptualize, design, and document mechanical products. Please note that you must install Autodesk Inventor 2009 or AutoCAD Mechanical 2009 before installing Mechanical Desktop. Mechanical Desktop can be downloaded from www.autodesk.com/mdt.

Autodesk Media and Entertainment Software Options

Purchased separately, the Autodesk Animation Academy program is sold through Academic Reseller or directly from Autodesk. To find an Academic Reseller in your area, call 1-800-879-4233 or visit the reseller locator at www.autodesk.com/reseller.

Contact Information

The following table contains key contact information for Autodesk, the Autodesk Education team, Autodesk Customer Service, and the Autodesk Design Academy program.

Contact	Description
<u>Autodesk, Inc.</u>	
Shipping Address	Autodesk, Inc. 45169 Industrial Drive Fremont, CA. 94538
Website	www.autodesk.com
Technical Support Website	www.autodesk.com/support View a list of support resources; find valuable technical solutions.
<u>Autodesk Education Team</u>	
Mailing Address	Autodesk, Inc. Attn: Autodesk Education Team 111 McInnis Parkway San Rafael, CA. 94903
Education Website	www.autodesk.com/education
Student Community Website	www.autodesk.com/edcommunity

Contact	Description
Autodesk Customer Service	
Autodesk Design Academy 2009 Activation Codes	<p>Activate your products online through the Register Today pages of the Installation wizard, if you have access to that wizard. If you have problems with this online process, you can use the following contacts to activate products manually.</p> <ul style="list-style-type: none"> ■ Online: http://register.autodesk.com ■ By email: authcodes@autodesk.com ■ By phone: 800-551-1490 ■ By fax: 800-225-6490
Autodesk Business Center (ABC)	<p>800-538-6401 or edu.abc@autodesk.com Update your institution contact information with Autodesk, check shipping information, and verify your ADA serial number and renewal date.</p>
Autodesk Design Academy	
Autodesk Design Academy 2009 Administrator Website	Visit www.autodesk.com/designacademyresources to find out about program resources.
Autodesk Design Academy 2009 Manager Email Address	<p>designacademy.manager@autodesk.com Give feedback about Autodesk Design Academy and obtain general program information.</p>

Contact	Description
Latin America	
Autodesk Design Academy 2009 Activation Codes	Online: http://register.autodesk.com By email: authcodes@autodesk.com By phone: 800-551-1490 or 415-507-4690 By fax: 800-225-6490 or 415-507-4933
Technical Support	415-507-4810 (9 a.m. to 8:00 p.m. EST)
Autodesk Business Centers	USA phone: 415-507-4690 (Toll) Brazil phone: 0800-891-2663 Chile phone: 1230-020-2001 Colombia phone: 980-912-1311 Jamaica phone: 0800-551-1490 Mexico phone: 95-800-551-1490 USA fax: 415-507-4933 (Toll) Email: la.abc@autodesk.com

Prepare for Installation

2

This chapter provides background information regarding the installation of Autodesk Design Academy 2009 products, prerequisite conditions that need to be met before installation begins, the types of installations, and a general understanding of the installation workflow.

Overview

Most Autodesk products offer three installation options. These include network licensed installations, multi-seat stand-alone, and stand-alone.

The installation option you'll use depends on which products you want to install. The recommended installation method for classroom or lab environments is network licensed or multi-seat stand-alone.

Both of these methods recommend that you use the Deployment wizard to create deployments. Deployments are stored in a shared folder and allow you to install the product on computers that have access to the shared folder. The Deployment wizard can be run directly from the common software installer disk.

Autodesk Design Academy contains seven individual Autodesk products, with the additional option to download Autodesk Impression 2 and Autodesk Mechanical Desktop 2009. The seven main products can be installed through a single installation process using a common software installer disk.

NOTE Make sure all the product media for the products you select to install are available for use when you begin the installation process with the common software installer.

The following Autodesk Design Academy products can be installed using the network license, multi-seat stand-alone or stand-alone installation options:

- AutoCAD 2009
- AutoCAD Architecture 2009
- AutoCAD Civil 3D 2009
- Revit Architecture 2009
- AutoCAD Revit MEP Suite 2009
- Autodesk Inventor Professional 2009
- Autodesk 3ds Max for Design 2009

Site Configuration

Each Autodesk Design Academy site uses its own configuration of product installations and deployments.

The installation process can be greatly simplified by selecting only the products that are required for the classroom or lab to operate.

For example, one site might use deployments to install network-licensed versions of AutoCAD Architecture 2009 and Autodesk 3ds Max on 20 computers, while another site might install multi-seat stand-alone versions of AutoCAD 2009, AutoCAD Architecture 2009, and AutoCAD Civil 3D 2009 on 40 computers.

Understand Installation and Licensing Types

The type of licensing you've purchased often dictates what type of installation method you'll use. For products that allow you to create deployments, you will be prompted to specify one of the following installation types. Additional information is also available at <http://autodesk.com/licensing>.

IMPORTANT Depending on the type of option you choose on the configuration page, network or stand-alone license, note that you **must** use the same type of installation for *all* those products in your deployment session. If you select products that do not support the type of license you purchased, you will not be able to activate those products.

Network Licensed

Purchasing network licensed products is recommended for classrooms and lab environments.

You install the program to workstations with the files and registry entries that allow the program to communicate with the Network License Manager. You also define the location of the Network License Manager so that the licenses can be accessed.

When you install network licensed products, you do not have to worry about activation. Systems running products that use a network license do not require activation because the Network License Manager manages all requests for running a networked application.

Another advantage of network licensing is that you can install products on more systems than the number of licenses you have purchased. For example, you purchased a network license for 25 seats, but you installed the product on 30 systems in the classroom. Once the Network License Manager is set up and started, students can log on to any one of the 30 systems as long as they don't exceed your maximum of number of licenses (25). When someone exits the program on one of the 25 active systems, the server frees up a license for someone else to use.

NOTE Licensing for Autodesk Design Academy is limited to installation at a single site. Please refer to your License Agreement for further details.

Stand-Alone (Multi-Seat Stand-Alone)

If your facility is not networked, but all the systems can connect to the Internet, you can opt for multi-seat stand-alone licensed products.

The concept of multi-seat stand-alone installation is a more automated variation of the stand-alone installation. Multi-seat stand-alone installations do not rely upon a Network License Manager to manage product licenses. With multi-seat stand-alone installation, you can still use the Deployment wizard to create Administrative images and deployment shortcuts.

This type of licensing means that your products each use the same single serial number for activation. But, unlike network licensed products, you can only install the products on the maximum number of systems that the license allows.

You can request a change to the licensing you've purchased by contacting your Academic Value Added Reseller. You can change from multi-seat

stand-alone licensing to network licensing and you can also increase the number of seats for your existing license.

Registration information is pre-configured during the creation of the deployment image; this pre-configuration ensures duplicate registration data for all the workstations. As long as a product is installed using the deployment image shortcut and all the systems have Internet access, users will be prompted to activate products (or appropriately set up network licenses) on first launch.

Stand-Alone

A stand-alone installation differs from a multi-seat stand-alone installation in that stand-alone products require you physically move from workstation to workstation to install, register, and activate each program individually.

Registration of stand-alone products occurs the first time the application is launched and registration information must be entered manually during the registration process. In a classroom or lab environment there are two ways to handle these products.

- 1 If the systems are not networked, install the product disks separately on each system.
- 2 If the systems are networked, copy the product disks or create a deployment in a shared folder on the primary server and then run the *setup.exe* file in the shared folder on the server from each satellite system.

Installation Prerequisites

Before installing any of the products in the Autodesk Design Academy package, it is recommended that you make sure the following conditions have been met:

- You have the common software installer and product disks for each product you choose to install available and ready.
- You understand the product licenses you've ordered. See Understand Installation and Licensing Types on page 8.
- You understand the special requirements of User Access Control (UAC) settings by reviewing the product Readme's. For more information on UAC see <http://technet.microsoft.com/en-us/windowsvista/aa906021.aspx>

- For each product you plan to install, you have reviewed the system requirements. See *Review the System Requirements* on page 11.
- You have an understanding of administrative permissions. See *Understand Administrative Permissions* on page 11.
- You have closed all other programs and disabled anti-virus software. See *Unsuccessful Installations* on page 12.
- You have created a distribution plan for products once they're installed on your primary system. See *Deployment Plan* on page 12.
- If you are using imaging software, you have properly cleaned your primary system in preparation for creating a master image. See *Clean a Primary System and Restore the Operating System* on page 14.
- You know how you're going to personalize the products during activation. See *Consistent Product and User Information* on page 14.
- You have created shared folders for each product you plan to install using the deployments. See *Create Shared Folders for Deployments* on page 12.

Review the System Requirements

Make sure that the systems on which you plan to install any of the Autodesk Design Academy products meet the system requirements for those products. Each product has its own unique set of requirements. If your systems do not meet those system requirements, problems will occur.

To access all the products' system requirements, select the System Requirements information link on the left pane of the Installation wizard's Select the Products to Install page. Requirements can also be accessed in the product installation guides. The guides can be viewed from the Documentation link on the Installation wizard pages.

Additional product information can also be found at www.autodesk.com.

Understand Administrative Permissions

To install Autodesk Design Academy products, you must have administrative privileges on each workstation where the products are to be installed. If you are unsure of your permission level, see your system administrator for more information.

Unsuccessful Installations

The installation process of many of the Autodesk Design Academy products may stop if some applications (such as Microsoft Outlook or virus-checking programs) are running. Close all running applications and temporarily disable virus checking utilities.

TIP If you encounter any MSI (Windows Installer) errors during installation, further information can be found in the Autodesk Support Knowledge base or the Microsoft Support Knowledge base.

Deployment Plan

Before installing any products, you should have a good idea about how you're going to deploy products from your primary system to all the other systems in your facility.

You can use the Deployment wizard to create administrative images for each product and place those images in a shared folder you've created.

Another option for installing software on multiple systems is to use imaging software, such as Norton Ghost. Imaging software uses a master image of the primary system that you duplicate on all the workstations. Furthermore, it is strongly recommended that you have a clean system before installing any products.

NOTE Ghosted images cannot be transferred to non-identical workstations. Images have to be specially tailored for non-identical workstations. Make sure you are familiar with the entire imaging process before you attempt to duplicate an image onto other workstation.

Deployment methods are covered in Product Distribution on page 63.

Create Shared Folders for Deployments

You can use deployments for both network license and multi-seat stand-alone methods of installation. They both require *shared folders* that are made available to users' computers over a network. The shared folder is created before you create product deployments and is where product deployments are stored.

NOTE Subfolders for each product deployment are necessary because deployments for separate products cannot be created in the same directory.

It is recommended that you name the network share folder *Deployments* on the system where you want deployments stored. You should add subfolders inside the shared Deployments folder that clearly convey the names of products you plan to deploy. This is also beneficial if you plan to deploy multiple products.



Any subfolders that are placed inside a shared folder are automatically shared.

To create a shared folder in Windows XP

- 1 On a network server, create a folder named *Deployments*.
- 2 Right-click the *Deployments* folder and click Share and Security (or Sharing).
- 3 In the <folder name> Properties dialog box, Sharing tab, select Share This Folder.
- 4 Specify a Share Name. You can accept the *Deployments* name, or create a new name. The name should be one you can easily recognize later.
- 5 Click the Permissions button. In the Permissions dialog box make sure Full Control is active. Click OK.
- 6 Click OK or Close to close the Properties dialog box.
- 7 For each product you plan to install, create a subfolder in the *Deployments* folder. Name each folder with the pertinent product name.

To create a shared folder in Windows Vista

- 1 On a network server, create a folder named *Deployments*.
- 2 Right-click the *Deployments* folder and then click Share. Click the Permissions button to make sure Full Control is active.
- 3 In the Properties dialog box, select Sharing and then Advanced Sharing.

- 4 Specify a Share Name. You can accept the *Deployments* name, or create a new name. The name should be one you can easily recognize later.
- 5 Click the Permissions button. In the Permissions dialog box make sure Full Control is active. Click OK.
- 6 Click OK or Close to close the Properties dialog box.
- 7 For each product you plan to install, create a subfolder in the *Deployments* folder. Name each folder with the pertinent product name.

Clean a Primary System and Restore the Operating System

If you have previously run Autodesk products on the primary system, the primary system should be properly cleaned before any master images are created.

- 1 Clean the hard drive, including the boot sector.

For example, if you use the Norton GDISK utility, use the following command; *gdisk 1 /diskwipe*.

Where *1* is the hard disk that is being wiped.

NOTE If you use imaging software other than Norton Ghost, make sure that it cleans the boot sector; otherwise, you will not be able to activate Autodesk products.

- 2 Use your restore disks or create a new partition and use the product disks to install the operating system.

Consistent Product and User Information

It is very important that the product and user information (your school, classroom or lab environment contact information) you supply when registering and activating your products is consistent across all Autodesk products that you install. When you register and activate products, you are required to enter information on the electronic registration (EREG) site. If you enter this data incorrectly or inconsistently, you can run into activation problems.

For example, Mr. J. Smith works at a school and has received some software. He installs AutoCAD 2009 on his personal system and activates the product using his personal information. He then gives the same AutoCAD package to a system administrator to install on the school's network. The system administrator attempts to register and activate the product using the school's data.

Since the software license has already been registered and activated by Mr. Smith, the software on the school's network cannot be registered and activated unless Mr. Smith's exact personal information is re-used.

If you do not know your product or user data, you should contact your Academic Value Added Reseller or the Autodesk Business Center. Refer to Contact Information on page 4 for contact information.

For more information about Product and User Information, see Enter Product and User Information on page 36.

How to Install Autodesk Design Academy Products

The installation process has been streamlined by means of a common software installer that guides you through the install process.

IMPORTANT Before you begin the installation process, make sure you have the product disks (for each product you choose to install) available and ready, or the installation process will fail.

To install Autodesk Design Academy Products

- 1 Insert the common software installer disk into the computer's drive and click Install Products.

NOTE The installer for Autodesk Design Academy's only supports installation of 32-bit versions of the products.

- 2 In the Select Products to Install page select the products you want to install, and click Next.

Note that you can access product Readme's and System Requirements by selecting one of the information links on the left-side of the Select Products page.

3 Follow the directions on each installation page.

Insert the remaining disk(s) when prompted, to complete installation.

For more detailed installation instructions, see Stand-Alone Quickstart on page 59.

Installation Quickstarts Overview

3

The information in the next three Quickstart chapters is set up to give you efficient, step-by-step instructions for installing at your facility. These chapters cover what is necessary to successfully install network licensed, multi-seat stand-alone licensed, and stand-alone licensed products with the use of a common software installer disk.

Summary of Quickstarts

NOTE Keep in mind that the installation panels shown in the Quickstarts may differ from product to product. Where differences occur, review the options on the panel and proceed or consult the product documentation for specifics.

Network Licensing Quickstart

The Network Licensing Quickstart describes the installation and use of the Network License Manager and the Network License Activation Utility. It also describes how to configure a license server and manually obtain an activation code. For more detailed information, see Network Licensing Quickstart on page 19.

Create Deployments Quickstart

Most Autodesk-based products require that you create a deployment in order to perform multi-seat stand-alone installations. This Quickstart steps you through using the Installation wizard to create deployment images for the products you need installed. For more information, see Create Deployments Quickstart on page 31.

Stand-Alone Quickstart

All the products included in the Autodesk Design Academy package allow for stand-alone installation. For more detailed information, see Stand-Alone Quickstart on page 59.

Network Licensing Quickstart

4

If you plan to install your products on a network, use the Network License Manager and the Network License Activation Utility.

The Network License Manager determines whether a license is granted or denied to an application that is requesting a license. If a license is available, that application starts and a license is checked out. If a valid license is not available, the application will be prevented from starting. You will not be able to run the application until either a license is returned to the license manager, or a valid license file has been specified.

The Network License Activation Utility helps you activate and register the Network License Manager over the Internet.

If you are not familiar with network licensing, please read the entire *AutoCAD 2009 Network Licensing Guide* for further details before you attempt to set up a network license server.

Install the Network License Manager

The Network License Manager is used to configure and manage the license servers.

NOTE You need to use the 2009-based version of the Network License Manager. The Network License Manager can be installed from any of the 2009 products included in this package.

To install the Network License Manager

- 1 Insert the common software installer into your computer's drive. On the Installation wizard's opening page, click Install Tools and Utilities.



Install Tools and Utilities

Install network license utilities, administrative and reporting tools.

- 2 On the Select the Products to Install page, select Autodesk Network License Manager and click Next.

If you are only installing the Network License Manager, you need to clear the Network License Activation Utility, Autodesk CAD Manager, and SAMreport-Lite options. Here's what the additional tools do:

- *Network License Activation Utility* - One of the features of this utility is that it allows you to obtain licenses over the Internet. For more information, see *Install the Network License Activation Utility* on page 21.
 - *Autodesk CAD Manager* - Selectively controls which users have access to Internet-based content and information, and allows users to receive notification when reported errors are resolved.
 - *SAMreport-Lite* - Reporting tool that helps track client network license usage.
- 3 Review the Autodesk software license agreement for your country or region. You must accept this agreement to proceed with the installation. Choose your country or region, click I Accept, and then click Next.

NOTE If you do not agree to the terms of the license and want to terminate the installation, click Cancel.


- 4 On the Review - Configure - Install page, review your product selection and the current settings.

If you don't want to make any changes, click Install. If you want to change the install type or installation path, click Configure:

Review - Configure - Install

The basic information required to install the products has been provided by you and is shown in the box below. The remaining configurations are currently set to the default values; also shown below. If you would like to make configuration changes, select the appropriate product from the drop down list and click the Configure button.

Select a product to configure:

 Autodesk Network License Manager

- 5 On the Select the Installation Location page, accept the default installation path (*C:\Program Files\Autodesk Network License Manager*) or Browse to specify a different path. If you enter a path that does not exist, a new folder is created using the name and location you provide. Click Next.

Product install path:

C:\Program Files\Autodesk Network License Manager\

Disk space requirements:

Volume	Disk Size	Available	Required	Total Required	Remaining
C:	74.5 GB	50.2 GB	7.37 MB	8.32 MB	50.2 GB

WARNING Do not install the Network License Manager on a remote drive. When you install the Network License Manager files, you must provide a path to a local drive. You must specify the drive letter; the universal naming convention (UNC) is not supported.

- 6 On the Configuration Complete page, click Configuration Complete to return to the confirmation page.
- 7 On the Review - Configure - Install page, click Install.
- 8 When the Installation Complete page displays, click Finish.

Install the Network License Activation Utility

With the Network License Activation Utility, you can obtain licenses over the Internet, which saves time and effort in setting up a network-licensed version of the program. In addition, you can register your product, get automated support by email if you cannot obtain a license over the Internet, and save and migrate license files automatically.

Each product has its own Network License Activation Utility that must be used to obtain a license for that specific product. The Network License Activation Utility is installed from the product disks.

NOTE If you are **not** installing the Network License Activation Utility using the common software installer disk, and Autodesk 3ds Max for Design 2009 is installed on a computer prior to installing AutoCAD 2009, the Network License Activation Utility may fail to install.

In order to install the utility use one of the following methods:

- Install the AutoCAD 2009 Network License Activation Utility to a computer which does not already have 3ds Max for Design 2009 installed or vice versa.
- Obtain your LIC files for AutoCAD 2009 from one of the other available methods - phone, email registration, or electronic registration at <https://register.autodesk.com>.
- Place a clean Ghost image on the computer prior to installing AutoCAD 2009. This will effectively remove 3ds Max for Design 2009 from the computer. Only use this method if you have the 3ds Max for Design 2009 DVD handy for reinstallation after installing AutoCAD 2009.

To install the Network License Activation Utility

- 1 Insert the common software installer in your computer's drive. On the Installation wizard's opening page, click Install Tools and Utilities.
- 2 On the Select the Products to Install page, select Autodesk Network License Activation Utility and click Next.
- 3 Review the Autodesk software license agreement for your country or region. You must accept this agreement to proceed with the installation. Choose your country or region, click I Accept, and then click Next.

NOTE If you do not agree to the terms of the license and want to terminate the installation, click Cancel.

- 4 On the Review - Configure - Install page, review your product selection and the current settings. If you don't want to make any changes, click Install.
If you want to change the install type or installation path, click Configure.
- 5 On the Select the Installation Location page, accept the default installation path (*C:\Program Files\Autodesk Network License Manager\Network License Activation Utility\enu*) or Browse to specify a different path. If you enter a path that does not exist, a new folder is created using the name and location you provide. Click Next.

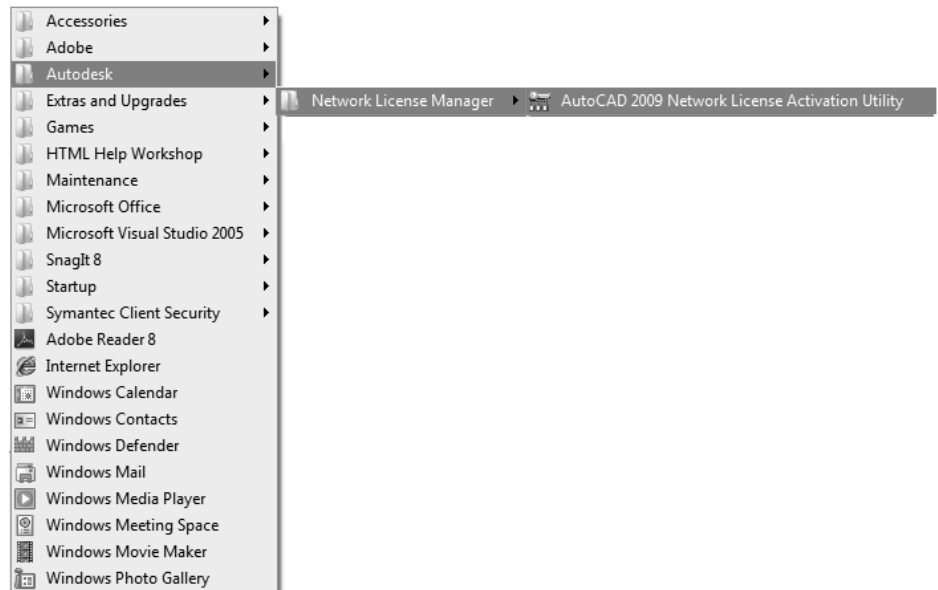
- 6 On the Configuration Complete page, click Configuration Complete to return to the confirmation page.
- 7 On the Review - Configure - Install page, click Install.
- 8 When the Installation Complete page displays, click Finish.

Run the Network License Activation Utility

After installing the Network License Activation Utility, you can use the utility to activate your product.

To use your Network License Activation Utility

- 1 On the Start menu, click All Programs (or Programs) ► Autodesk ► Network License Manager ► <Product> Network License Activation Utility.



- 2 On the Obtain a Network License page, you need to decide how you are going to request your network activation file - via the Internet or by email, fax, or phone. After making your choice, click Next.

If you choose the Close button you will cancel your registration process.

- 3 On the Server Information page, enter the product serial number or group ID.

NOTE If you are modifying an existing license file or obtaining a new license for an existing product, your previously entered information might be displayed. Make sure that the serial number that is displayed is the one you want to license. If it is not, enter the correct product serial number.

- 4 In the License Server Model section, click a license server model - Single, Distributed, or Redundant. For more information about each license server model, click the ? button.
- 5 In the Server Host Name box, enter a server host name or click the [...] button to locate the name of each server you plan to use.

NOTE You can also use server host data from an existing license file(s) by selecting the "Begin with server host..." link. The link will open the Locate Existing License dialog.

- 6 In the Host ID box, for each server host name you entered in the previous step, click Lookup to have the utility automatically locate the host ID for the server, or enter the host ID manually. You can also locate the host ID by opening LMTOOLS, going to the Systems Settings tab, and using your Ethernet Address.

NOTE If your server has more than one network adapter, select the one that corresponds to a physical network adapter. To determine which adapters are physical, enter **ipconfig /all** at a Windows command prompt (DOS shell) and view the Description field above each physical address. If there is more than one physical network adapter, you can use any one of them, as long as it was listed when you ran ipconfig /all. Logical devices such as VPN adapters, PPP adapters, and modems may be listed but are not usable for licensing.

- 7 If you chose Distributed Server in step 4, the Seats box is displayed. In the Seats box, enter the number of seats for each license server, and then click Next. If you wish to remove or add servers from the Server host name list, use the Remove and Add buttons.
- 8 On the Confirm Server Information page, review the server information you entered, and click Next.

- 9 If the Register and License Your Autodesk Product page is displayed, do all of the following, and then click Next.
 - In the This Product Is To Be Registered To option, select Company or Individual.
 - In the Select Country or Region section, select your country or region of residence.
 - In the Is This an Upgrade section, select Yes or No.
- 10 If the Registration Information page is displayed, enter your registration information, and then click Next.
- 11 If the Confirm Information page is displayed, review your registration information, and then click Next.
- 12 If the Connecting page is displayed, click Next to connect to the Internet to obtain your network license.
- 13 On the Licenses Received page, in the Save License File for [*computer name*] dialog box, enter the location where you want to save your license file, or click Browse to navigate to the location.

NOTE It is recommended that you save your license file to the location where you installed the Network License Manager.

- 14 If you have an existing license file from another Autodesk product, select one of the following options:
 - **Insert the New License Information Into It.** The new license information is added into the existing license file.
 - **Overwrite the Existing License File.** The entire contents of the existing license file is replaced with the new license information. Select this option *only* if you no longer require any part of the existing license file contents.
- 15 Click Next.
- 16 On the License Activation Successful page, click Print to save a printed copy of the license information, or click Done to complete the transaction and exit the Network License Activation Utility.

How to Configure a License Server

You configure a license server so that you can manage the Autodesk product licenses you received when you ran the Network License Activation Utility. Configure the license server with the *lmtools.exe* Utility.

To configure your license server

You should be logged in with Administrator rights when working with the LMTOOLS Utility.

- 1 Do one of the following:
 - **Windows XP & 2000** - Click Start menu ► All Programs (or Programs) ► Autodesk ► Network License Manager ► LMTOOLS.
 - **Windows Vista** - Right-click the LMTOOLS icon on the desktop and click Run As Administrator.
- 2 In the LMTOOLS program, on the Service/License File tab, make sure the Configure Using Services option is active.
- 3 Click the Config Services tab.
- 4 In the Service Name list, do one of the following:
 - If a service name is selected, verify that it is the one you want to use to manage licenses.
 - If no service name exists, enter the service name you want to use to manage licenses.

By default, the service name is *FLEXlm Service 1*. Your service name may be different.

NOTE If you have more than one software vendor using FLEXlm® for license management, the Service Name list contains more than one option. Make sure that only one Autodesk service is listed.

- 5 In the Path to *Lmgrd.exe* File field, enter the path to the Network License Manager daemon (*lmgrd.exe*), or click Browse to locate the file.
By default, this daemon is installed in the *C:\Program Files\Autodesk Network License Manager* folder.

- 6** In the Path to the License File box, enter the path to your license file, or click Browse to locate the file.

This is the path to the license file obtained by the Network License Activation Utility or the location where you placed the license file if you obtained it offline.
- 7** In the Path to the Debug Log File box, enter a path to create a debug log, or click Browse to locate an existing log file.

It is recommended that you save to the *\Program Files\Autodesk Network License Manager* folder. The log file must have a *.log* file extension. For new log files, you must enter the *.log* extension manually.
- 8** To run *lmgrd.exe* as a service, select Use Services.
- 9** To automatically start *lmgrd.exe* when the system starts, select Start Server at Power Up.
- 10** Click Save Service to save the new configuration under the service name you selected in step 4. Click Yes when prompted if you would like to save the settings to the service.
- 11** Click the Start/Stop/Reread tab and do one of the following:

 - If a service has not yet been defined for Autodesk, click Start Server to start the license server.
 - If a service for Autodesk is already defined and running, click ReRead License File to refresh the Network License Manager with any changes made to the license file or Options file.

An Options file sets your configuration options for managing licenses on each license server you set up. The file sets up the parameters that the license file reads and the Lmgrd program executes. For more information about the Options file, see the *AutoCAD 2009 Network Licensing Guide*.

The license server starts running and is ready to respond to client requests.
- 12** Close *lmtools.exe*.

Licensing Multiple Products

When you install an Autodesk product, it is issued its own license file. You can manage license files for more than one Autodesk product by combining license files. To combine multiple license files for Autodesk products, you must add lines from the new license file to the existing license file.

Before you begin combining licenses, back up your existing LIC file and stop the license server. Stopping the server will ensure you have a cleaner update.

NOTE Do not configure a separate service for the new Autodesk product.

- 1 Open an ASCII text editor, such as Microsoft Notepad.
Do not use a word processor because it will add extra data to the license file that will make the license invalid.
- 2 Open your product license file.
- 3 Next, open one of your other license files in a separate Notepad session.
- 4 In the license file, select all the text starting at the line beginning with 'INCREMENT'.
- 5 Copy the text and paste into the product license file.

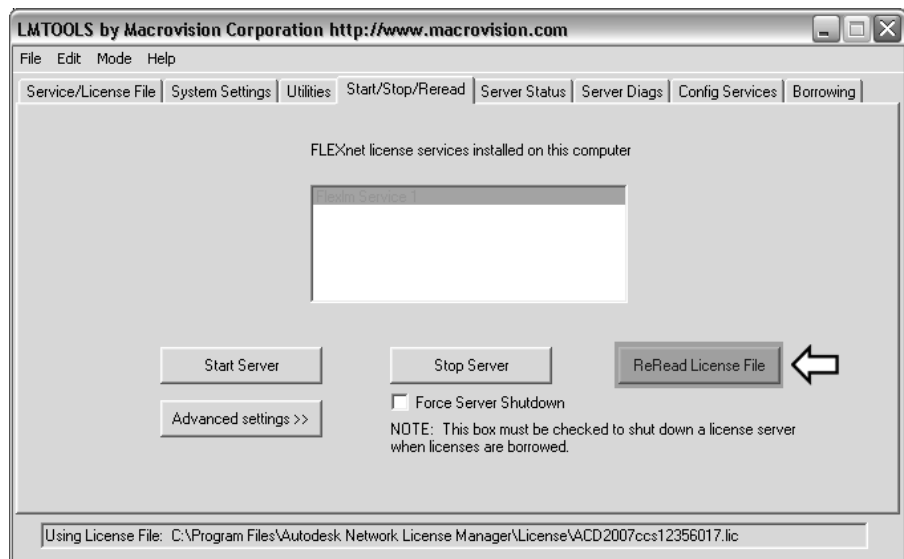
The resulting file should look something like this.

```
SERVER Server1 1a34567c90d2
USE_SERVER
VENDOR adskflex port=2080
INCREMENT 42600ACD_2004_OF adskflex 1.000 permanent 3 \
  VENDOR_STRING=commercial;permanent BORROW=4320 SUPERSEDE \
  DUP_GROUP=UH ISSUED=22-jun-2003 SN=123-12345678 SIGN=6E88EFA8D44C \
INCREMENT 54600ACD_2008_OF adskflex 1.000 permanent 5 \
  VENDOR_STRING=commercial;permanent BORROW=4320 SUPERSEDE \
  DUP_GROUP=UH ISSUED=09-Jan-2007 SN=123-12345678 SIGN="0247
45D6 87C4 27A5 7F9E F24A ED3D 61E4 6B3B CC5C AD77 B865 9EA8 \
3D62 0792 0F67 19E7 57E7 FAFA A48B D582 335A EC16 1FE5 B70D \
76AB 6488 61CC DE5E F5B7" SIGN2="09FD 0850 7CF1 F447 9F05 9FA3 \
2A0A 38D6 83FC 1746 F3F5 5A72 6250 E002 DE0B 0E6E F88C AC95 \
136F 87F2 A945 E4C4 A97F 44B5 74EE 83F3 3F3E 1579 B981 8994"
INCREMENT 51700MAP_2008_OF adskflex 1.000 permanent 5 \
  VENDOR_STRING=commercial;permanent BORROW=4320 SUPERSEDE \
  DUP_GROUP=UH ISSUED=09-Jan-2007 SN=123-12345678 SIGN="1707
9EAC CBCB 2405 692E 4A89 FC45 C009 E360 944A 14BA E99C 9B24 \
5A1B 4A44 083A BE5F 3827 AA26 30CC 2AC2 D6B3 A61B AB5E 492E \
3EBD 0B48 4E75 193A DA82" SIGN2="004A FC90 AB47 3F6B 59BC \
6681 6971 A76A BA52 98E2 5671 26B3 0E78 791B 109F 0591 7DC3 \
F09F 4D8D 4FB7 E341 4A03 CD68 1D77 27F8 8555 9CF7 DEDD 9380"
```

When combining additional licenses for the same Autodesk product, you must obtain a new license file for the total number of licenses with that feature code, not just the new ones. For example, do not combine two different AutoCAD 2009 license files into one file. Obtain one new license file that contains the required total number of AutoCAD 2009 licenses.

- 6 Once the license files are combined, open LMTOOLS and click the Start/Stop/Reread tab.
- 7 Click on the Server Status tab and check the status of the server to make sure it's running.
- 8 Click on the Start/Stop/Reread tab. Click the Reread License File button to make sure the changes to the license file have taken effect.

If Reread passes, you should see "Reread Server License File Completed" printed at the bottom of the LMTOOLS utility dialog. If it fails, you should see "Reread Server Failed" instead. If Reread fails, ensure that the correct .lic file is being referenced in the Config Services tab, and ensure that the license files were combined correctly.



- 9 Close *lmtools.exe*.

Create Deployments Quickstart

5

Network deployments require careful planning and execution. This section gives you step-by-step instructions about how to create deployments which can then be used to distribute the program.

Use the Deployment Wizard to Set Up a Deployment

The deployment process is initiated from the Deployment wizard. The wizard is accessed from the common software installer disk. Once a deployment is created, users can use the deployment to install products to their computers.

The deployment process lets you do any of the following:

- Create a deployment.
- Apply a patch to a deployment.
- Add customized files to a deployment.
- Change search paths and file locations.
- Allow users access to online resources.

NOTE Because the deployment process provides you with numerous options for creating and customizing your deployments, there are many deployment pages you need to complete and choices you must make. You should set aside ample time to complete the deployment process in one sitting.

Minimize Chances of Installation Failure

The Autodesk Design Academy 2009 installation process may stop if some applications; such as Microsoft Outlook or virus checking programs; are running when you are creating a deployment. Close all running applications and temporarily disable virus checking utilities.

You can also minimize your chances of failure by make sure you have all the product disks for each product you choose to install, available and ready.

Preliminary Tasks for a Network Deployment

Installing programs on a network requires careful planning and execution. The deployment checklist gives you a quick summary of the type of information you should be familiar with before beginning your deployments. For additional information about deployments, see any one of the online *Network Administrator's Guides*. The guides can be accessed by selecting the Read this Documentation option on the initial installation page. You can also access PDFs from the product disks or from the common software installer disk by navigating to the documentation (docs) folder.

IMPORTANT It is important to recognize that you must opt for the same type of installation for **all** products in your deployment session. In other words, if you purchased stand-alone licenses, you **must** choose the stand-alone option to be included in your administrative image or installed on a workstation. Similarly, if you purchase network licenses, you must choose the network license option for all selected products. In either case, if products do not support the type of license you purchased you will not be able to activate them.

Deployment Checklist

- You have all the product disks for each product you choose to install, available and ready
- You have verified that all your products support the type of license you purchased.
- You have reviewed the system requirements. You must make sure that your network, servers, and client workstations meet the system requirements.

Deployment Checklist

- You have closed all other programs and disabled anti-virus software.
- You have identified the location (such as a shared folder) where deployments will reside for each program you plan to deploy.
- You have installed and activated any supporting tools and utilities.
- You have determined if your deployment plan involves using imaging software to distribute your program(s) to client workstations.
- You have specified whether you want to create log files that contain deployment and installation data, run silent mode, and participate in the Customer Involvement Program.
- You understand the type of license you've purchased. If you plan a network license deployment, you should also be familiar with the type of license server model you want to use and the license server name(s).
- You know which type of installation you'll perform—typical or custom.
- You may want to set search paths to custom files or file locations that may have changed in this release of software.
- You have decided if you want to include additional files with your deployment such as drawing files, AutoLISP routines, or script files.
- You have checked for service packs that might be available for your product. If a service pack is available, you've downloaded it and extracted an MSP file.

Deployment Checklist

- You have configured access to Communication Center. Live Update notifications let you know when product updates are posted and configuring Communication Center lets users access technical information.
- You have set up access and participation in features like DesignCenter Online, Customer Involvement Program, and Customer Error Reporting.
- You know how you're going to personalize the program(s) during registration. Using consistent registration data is very important.

When you have completed these tasks, you are ready to create a deployment from the Deployment wizard.

NOTE Keep in mind that while every attempt has been made to generalize the deployment process to take in account the various products, some of the examples shown may differ from your actual deployment selections.

Quickstart to Creating a Deployment

A deployment contains a Microsoft Transform (MST) file that modifies the default behavior of the installation program. As you begin a deployment, you need to select the location of your Administrative image, a deployment name, and confirm that your target systems are 32-bit operating systems.

NOTE Many of the product disks contained in this package contain 32-bit and 64-bit versions of the programs. You should only install the 32-bit versions. The 64-bit versions are **not supported** by Autodesk Design Academy. Also, be aware that 32-bit products will not install on 64-bit operating systems, and vice versa.

To create a deployment

- 1 Insert the common software installer disk in the computer's drive, and click Create Deployments.



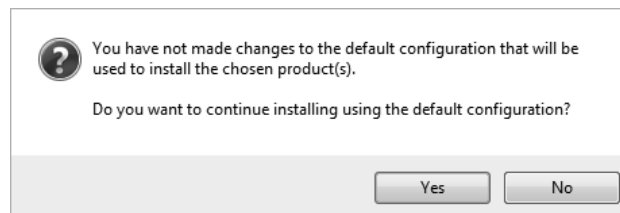
- 2 On the Begin Deployment page, enter the location of your Administrative image or click the Browse button to locate your image. Enter your deployment's name, and that your target systems are 32-bit operating systems.

NOTE The deployment location should be a shared network folder. To create a shared folder, see [Create Shared Folders for Your Deployments](#).

- 3 On the Select the Products to Include in the Deployment page, select the products and click Next.
- 4 Review the Autodesk software license agreement for your country or region. You must accept this agreement to proceed with the deployment. Choose your country or region, click I Accept, and then click Next.

NOTE If you do not agree to the terms of the license and want to terminate the deployment process, click Cancel.

- 5 On the Product and User Information page, enter the serial number and requested user information. Click Next.
- 6 On the General Deployment Settings page, choose whether or not you want to create a network log and its location, and a client log. You can also run the client's installation in silent mode and choose if you want users to participate in the Customer Involvement Program. Click Next.
- 7 If you do not want to make configuration changes on the Review - Configure - Create Deployments page, click Create Deployment. Then select Yes, to continue installing using the default configuration.



When you select Yes, the process of creating your deployment will begin.

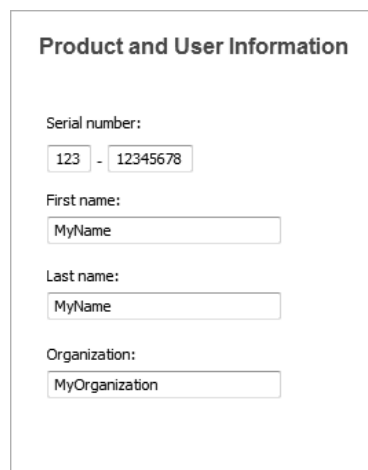
- 8 At the Deployment Complete page, select the Register products online link to register and activate your product, or click Finish and register and activate later.

Deployment Choices

When you create a deployment, you will make several choices during the process to create various client deployment images and deployment types. The following sections outline your choices in more detail.

Enter Product and User Information

The Product and User Information page is used to personalize the program for your classroom or lab environment. The information you enter here is permanent and is displayed in the About <product> window (accessed by Menu browser ► Help ► About) on all workstations. Because you can't change this information later without uninstalling, make sure you enter the correct information now.



The screenshot shows a dialog box titled "Product and User Information". It contains four input fields: "Serial number:" with a value of "123 - 12345678", "First name:" with a value of "MyName", "Last name:" with a value of "MyName", and "Organization:" with a value of "MyOrganization".

You must also enter your product serial number in order to run the product. The product serial number is located on the product packaging. The serial number must contain a three-digit prefix followed by an eight-digit number.

To enter your serial number and personal information

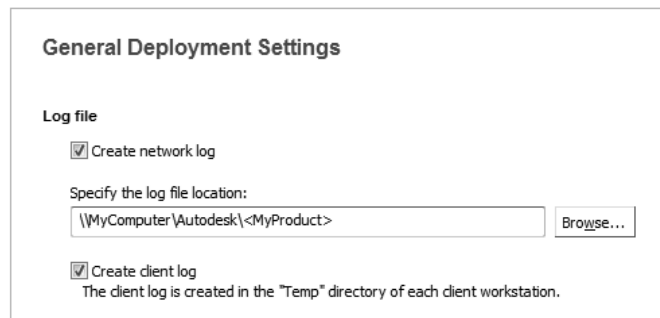
- 1 On the Product and User Information page, enter your product serial number and the requested user information.

NOTE It is important that the product and user information (your school, classroom or lab environment contact information) you supply be consistent across all Autodesk products. Inconsistent data could results in activation problems. For more information, see Consistent Product and User Information on page 14.

2 Click Next.

Specify Log File Locations

The program has two types of log files with which you can monitor information about deployments and installations.



General Deployment Settings

Log file

Create network log

Specify the log file location:

Create client log
The client log is created in the "Temp" directory of each client workstation.

- **Network log.** The network log file keeps a record of all workstations that run the deployment. On the General Deployment Settings page of the deployment process, you choose whether or not to create a network log file. The log lists the user name, workstation name, and the status of the installation. Refer to this file for status information and details about problems that users encountered during installation (for example, low disk space or inadequate permissions). The network log is named with the same name you chose for your deployment. You can specify where the log file is created by entering either a valid UNC (universal naming convention) path or hard-coded path on your network, for example `\\MyComputer\Autodesk\Autodesk Design Academy 2009`. Users should use their actual computer name in place of *MyComputer*.

NOTE The folder where the network log resides must be a shared folder where users who install the program have Change permissions. Otherwise, successes or failures for user installations cannot be written to the log file.

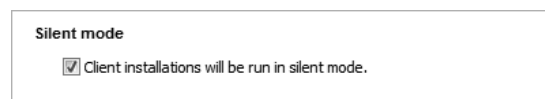
- **Client log.** The client log contains detailed installation information for each workstation. This information may be useful in diagnosing installation problems. The client log is located in the *%Temp%* directory of each client workstation.

To specify a log file location

- 1 While creating a deployment, on the General Deployment Settings page, select the check box next to the Create Network Log box. Enter the name of the folder where you want the network log to be located.
- 2 If you want to create a client log, select the Create Client Log option.
- 3 Click Next.

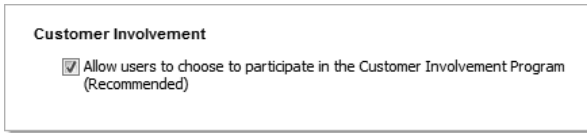
What Is Silent Mode?

When silent mode is active and a user initiates the deployment, the installation proceeds without any explicit user input and users will not be allowed to change any of your installation settings. No dialog boxes are presented that require interaction from the user.



Customer Involvement Program (CIP)

If you choose to have your clients participate in the Customer Involvement Program, Autodesk Design Academy automatically sends Autodesk information about system configuration, what features you use most, any problems that you encounter, and other information helpful to the future direction of the product.



NOTE You can also enable or disable the Customer Involvement Program from the CAD Manager Control utility.

Select a License Type (optional)

When you set up your deployment, you choose the type of installation to deploy based on the type of software license you purchased: stand-alone or network. You also select the network license server model you want to use to distribute product licenses.

IMPORTANT Depending on the type of option you choose on the configuration page, network or stand-alone license, note that you **must** use the same type of installation for *all* those products in your deployment session. If you select products that do not support the type of license you purchased, you will not be able to activate those products.

Specify the license type to use during deployment

Network license With this type of installation, you install the program to workstations with the files and registry entries that allow the program to communicate with the Network License Manager. You also define the configuration of the Network License Manager so that the licenses can be accessed. Workstations running the program based on a network installation do not require individual activation. Licensing of this program is managed by at least one license server.

Stand-Alone license (a single serial number for a single seat) For a stand-alone license, you install, register, and activate the program on each workstation.

To deploy a stand-alone license

- 1 While creating a deployment, on the Select the License Type page, select Stand-alone license.

Select the License Type

Stand-alone license

Network license

- 2 Click Next.

Specify the license server model during deployment

If you choose the Network license option, you need to decide which license server model to use to distribute your product licenses - single, distributed or redundant license server model.

If you are deploying a stand-alone or multi-seat stand-alone installation type, you do not use a license server model.

To deploy a network license using a single license server model

- 1 While creating a deployment, on the Select the License Type page, select the Network License option.
- 2 Select Single License Server as the license server model you want to use with the Network License Manager.

If you have already used the Network License Manager to create a license server model, you must select the same license server model in this step. If you have not yet used the Network License Manager to create a license server model, make sure that you select the same settings in the Network License Manager that you choose here.

For detailed information about license server models, see “License Server Models” in the *Network Licensing Guide*, located in the Help system and on the Documentation link of the Deployment wizard.
- 3 Enter the server name of the server that will run the Network License Manager, or click the Browse button to locate the server. Click Next.

Select the License Type

Stand-alone license

Network license

Select the license server model you will use with the Network License Manager:

Single License Server

Enter the name of the server that will run the Network License Manager.

NLMSVR1

To deploy a network license using a distributed license server model

- 1 While creating a deployment, on the Select the License Type page, select the Network License option.
- 2 Select Distributed License Server as the license server model you want to use with the Network License Manager.

If you have already used the Network License Manager to create a license server model, you must select the same license server model in this step. If you have not yet used the Network License Manager to create a license server model, make sure that you select the same settings in the Network License Manager that you choose here.

For detailed information about license server models, see “License Server Models” in the *Network Licensing Guide*, located in the Help system and on the Documentation link of the Deployment wizard.

- 3 Enter the name of one of the servers that will run the Network License Manager, or click the Browse button to locate the server. Click Add to add the server to the Server Pool. Once all the servers are added to the Server Pool list, use the Move Up and Move Down buttons to arrange the servers in the order you want them to be searched by a user's workstation. You must enter at least two servers. Click Next.

Select the License Type

Stand-alone license
 Network license

Select the license server model you will use with the Network License Manager:

Distributed License Server

Enter the name of one of the servers that will run the Network License Manager utility, and then click Add to add the server to the server pool. Continue adding server names until all the distributed license servers are listed.

Server name: NLMSVR3

Server pool:

NLMSVR2

To deploy a network license using a redundant license server model

- 1 While creating a deployment, on the Select the License Type page, select the Network license option.

- 2 Select Redundant License Server as the license server model you want to use with the Network License Manager.

If you have already used the Network License Manager to create a license server model, you must select the same license server model in this step. If you have not yet used the Network License Manager to create a license server model, make sure that you select the same settings in the Network License Manager that you choose here.

For detailed information about license server models, see “License Server Models” in the *Network Licensing Guide*, located in the Help system and on the Documentation link of the Deployment wizard.

- 3 In the First Server Name field, enter a server name of one server that will run the Network License Manager, or click the Browse button to locate the server. Enter the server names for the remaining two servers that you will use in the redundant server pool. Click Next.

Select the License Type

Stand-alone license

Network license

Select the license server model you will use with the Network License Manager:

Redundant License Server

Enter the name of the three servers that will form the redundant server pool.

First server name:
NLMSVR1

Second server name:
NLMSVR2

Third server name:
NLMSVR3

NOTE If you are not sure how to obtain the server host name, see “Plan Your License Server Configuration” in the *Network Licensing Guide*. The *Network Licensing Guide* is located in the Help system and on the Documentation link of the Deployment wizard.

Select the Installation Type (optional)

As part of making your deployment choices, you select the type of installation that users receive when they install the program, choose which optional tools or features are included, and specify where the product is installed on each workstation.

Volume	Disk Size	Available	Required	Total Required	Remaining
C:	---	---	879 MB	955 MB	---

You choose the location where program files are installed on the client workstation in the Product Install Path. To help decide where the product is installed, a chart of drives and disk space is provided.

To deploy a typical installation, choose optional tools and specify a product location

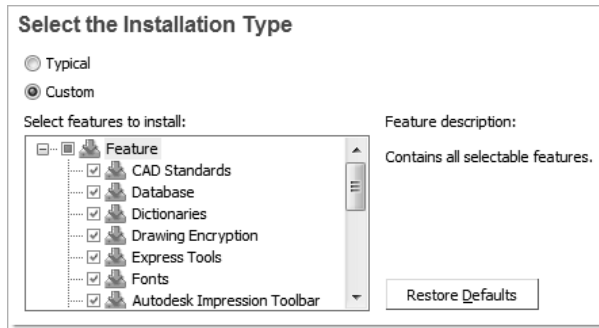
- 1 During the deployment, on the Select the Installation Type page, select Typical as the type of installation that you want.
- 2 Enter the path on the client workstation where you want to install the program, for example *C:\Program Files\Autodesk Design Academy 2009*, or click the Browse button to specify the install location.
The Disk Space Requirements chart lets you review available drives and disk space.
- 3 Click Next.

To deploy a custom installation, choose optional tools and specify a product location

- 1 During the deployment, on the Select the Installation Type page, select the Custom option as the type of installation that you want.

- 2 From the Select Features to Install list, select the features that you want to install.

If, after making feature changes, you decide you want the original selections, click the Restore Defaults button on the Select the Installation Type page.



- 3 Enter the path on the client workstation where you want to install the program, for example *C:\Program Files\Autodesk Design Academy 2009*, or click the Browse button to specify the install location.

The Disk Space Requirements chart lets you review available drives and disk space.

- 4 Click Next.

Define Search Paths and File Locations (optional)

On the Define Search Paths and File Locations page, you can modify the default search paths and the location of some program files. You might want to modify the default settings for the following reasons:

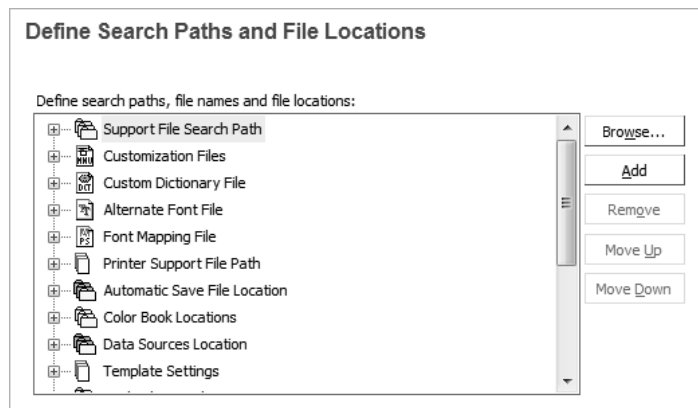
- If your environment uses a file (such as a customization file or plug-ins) other than the default file that's installed with the program, you can point to that file now and avoid having to add it at each workstation.
- Some default file locations may have changed in this version of the program. You can use this page if you have an earlier version of the program, and you want to move the files to the same file location as your earlier version of the program.

To use the default program settings for search paths and file locations

- While creating a deployment, on the Define Search Paths and File Locations page, click Next.

To modify the default program settings for search paths and file locations

- 1 While creating a deployment, on the Define Search Paths and File Locations page, in the Define Search Paths, File Names, and File Locations list, click the plus sign (+) to the left of a search path or file location to select and expand it.



- 2 Select an item in the list and do any of the following:
 - To browse to a file location, click Browse.
 - To add a new entry to the currently selected search path or file location, click Add.
 - To remove an entry from the currently selected search path or file location, click Remove.
 - To move a selection up or down in the list, click Move Up or Move Down.

NOTE The availability of these buttons depends on the item that you selected in the previous step.

- 3 When you finish specifying search paths or file locations, click Next.

Install Additional Files (optional)

On the Install Additional Files page, when you click Browse, you can specify additional files to include with a deployment. By default, these files are installed in the program's installation directory on client workstations when the deployment is run. You can install files to multiple directories if desired.

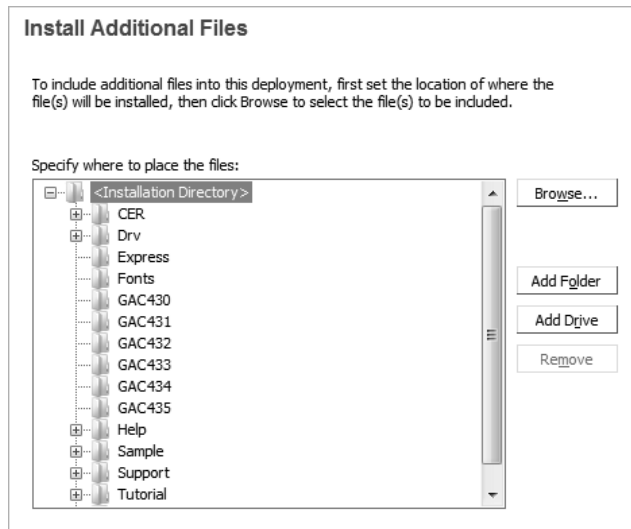
You can perform the following operations:

- Specify additional files (such as drawing files, AutoLISP routines, or script files) to include with your deployment.
- Install user files, of any format, and place them in any directory on the client's workstation.
- Add subfolders under the installation folder (for example, a folder called *LSP* to contain custom AutoLISP routines).
- Add files to the same location as program files (for example, add sample drawings for a project).
- Add files to the root of the installation directory.

NOTE It is recommended that you install these files to a location within the program's directory structure. You cannot install files with the same file name as an installed program file. For example, you cannot add a file named *acad.cui*.

To install additional files

- 1 While creating a deployment, on the Install Additional Files page, set the location where the files will get installed.



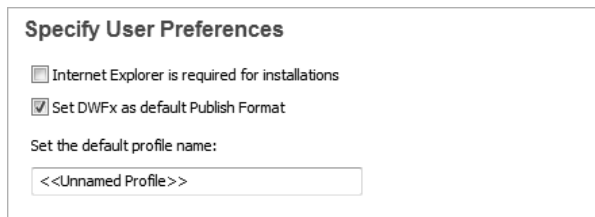
- 2 Do any of the following:
 - Click Browse to open the Add Files dialog box, where you can select files to add to the installation directory.
 - Click Add Folder to create a new folder in the installation directory.
 - Click Add Drive to add a drive name to the file location structure. The drive name must be a valid drive letter and colon, for example C: or F:. Uniform Naming Convention (UNC) paths are not supported.
 - Click Remove to delete a file, folder, or drive from the installation directory.
- 3 Click Next.

Specify User Preferences (optional)

On the Specify User Preferences page, you can specify whether installations based on this deployment can proceed if Microsoft Internet Explorer is not installed, specify a default profile name, choose to display the product shortcut icon on the desktop, or create a custom desktop shortcut.

To specify user preferences settings

- 1 While creating a deployment, on the Specify User Preferences page, clear the check box for the Internet Explorer option if you do not require Microsoft Internet Explorer to be installed before Autodesk Design Academy is installed.



The screenshot shows a dialog box titled "Specify User Preferences". It contains two checkboxes: "Internet Explorer is required for installations" (unchecked) and "Set DWFx as default Publish Format" (checked). Below these is a text input field labeled "Set the default profile name:" with the text "<<Unnamed Profile>>" inside.

- 2 In the Default Profile Name box, specify a default profile name that will be current for all users who run the deployment and the default text editor.
- 3 Clear the check box for Create an Autodesk Design Academy 2009 Desktop Shortcut if you do not want the product shortcut icon to appear on the user's desktop.
- 4 If you want to create a custom desktop shortcut, specify a shortcut name and any parameters, such as switches that will call profiles, startup scripts, and so on.

Create custom desktop shortcuts:

Shortcut name	Shortcut parameters
<type shortcut name>	<type parameter>

5 Click Next.

Include Service Packs (optional)

During the deployment process, you can choose to include service packs that have been posted for your product. The installer automatically checks *autodesk.com* for available updates. If updates are available, a link is displayed (Updates are available). If no updates are available, the link is not displayed.

Include Service Packs

If service packs are available for your product, you may download them from Autodesk and include them with the product's deployment.

[Updates are available](#)

To include service packs, you must extract and save the MSP file. Then, you must browse to locate the MSP file(s) and add them to the list below.

Service packs included in this deployment:

	Browse...
	Remove

Service pack options:

Append the service packs onto the deployment.

Merge the service packs into the administrative image MSI file.

When you include a service pack, you can also specify how it will be handled. You can choose from the following;

- **Append the Service Packs onto the Deployment.** When you append a service pack, the service pack is applied to the current deployment only. Multiple service packs may be appended to a deployment. The service pack file is included in the deployment and the service pack is applied after the product is deployed.

- **Merge the Service Packs into the Administrative Image MSI File.** When you merge a service pack, the service pack is merged into the administrative image. Once merged, a service pack may not be removed from the administrative image. Multiple service packs may be included in a single administrative image.

To extract a Microsoft Installer Patch (MSP) file from a service pack

- 1 Download the service pack from the Autodesk product support site.
- 2 Review the service pack *Readme* file for information about patch usage.
- 3 Open a Windows command prompt and enter the patch file name followed by the /e switch and a target file name, such as:

```
ProductSP1.exe /e ./ProductSP1.msp
```

where *<ProductSP1.exe>* is the name of the downloaded patch and *<ProductSP1.msp>* is the name of the extracted file. Using './' in front of the extraction file name places the extracted file in the same folder as the original executable. The "e" command line switch extracts the MSP file from the executable.

NOTE To find out if a service pack is available, visit the Autodesk Product Support page at <http://support.autodesk.com/>.

To include a service pack with the deployment

To include a service pack with a deployment, an MSP file must be extracted from the downloaded service pack executable.

- 1 On the Include Service Packs page, click the Browse button.
- 2 In the Open dialog box, locate the service pack you want to include with the deployment.
- 3 Select the MSP file and click Open.
- 4 Specify whether you want to append the service pack on to the deployment or merge the service pack into the administrative image.
- 5 Click Next.

Configure InfoCenter Communication Center (optional)

The Communications Center is accessed through InfoCenter. Products are updated with Live Update, which downloads patches to your product using Communication Center. Beyond Live Update, other information channels and feeds can be displayed by the Communication Center.

Configure InfoCenter Communication Center

Communication Center Panel

- Enable live updates
 - Receive Live Updates from Autodesk
 - Local patch list location: Browse...
- Enable Information Channels
- Enable CAD Manager Channel
 - Feed location: Browse...
 - Display name:
- Enable RSS feeds
 - Allow user to add RSS feeds

The Communication Center settings you can make include

- **Enable Live Updates.** Users can use Live Update to check for updates when a web connection is established. If a product patch is available, notification of its availability is received on the program's status bar, and the patch can be either downloaded directly from an Autodesk server or modified first before being copied to users' workstations. If you don't want users to receive updates or announcements, you can turn off Live Update.

NOTE You can also turn Live Update options on or off in the CAD Manager Control utility. See *How to Install and Start the CAD Manager Control Utility*

- **Enable Information Channels.** When active, information channels notify users with various pieces of information such as product support information.

- **Enable CAD Manager Channel.** Controls the display of the CAD Manager Channels in InfoCenter. Aside from being able to toggle CAD Manager Channels, you can also define the CAD Manager feed location and set the display name for the CAD Manager Channel.
- **Enable RSS Feeds.** Users can subscribe to any number of RSS feeds. Each feed is contained within a discrete InfoCenter category. Additionally, you can specify whether users can add RSS feeds.

To configure Communication Center

- 1 When creating a deployment, on the Configure InfoCenter Communication Center page, make the following Live Update settings:

- **Enable Live Updates.** Users can receive product updates or support announcements from Autodesk servers.
- **Receive Live Updates from Autodesk.** Users can receive product updates and support announcements from Autodesk servers with Live Update.
- **Receive Live Updates from Local Server.** You can maintain a patch list on a local server. A patch list is an XML file that specifies a list of patches available for installation on your computer.

If you select this option, the Local Patch List Location box is available. Use the Browse button to locate the path to a server location where you want a patch list. More information about how to use a local patch list is available by installing Autodesk CAD Manager Tools 4.0, running the CAD Manager Control utility, and then clicking Help in the CAD Manager Control utility window.

NOTE You can name a file to use for patch information. By naming a file and using an *.npl* extension now, you are creating a placeholder file, not creating the file itself. In the location that you specify in the Local Patch List Location box, you must create a text file with the same name you specify here.

- 2 Specify whether Information channels should be enabled.
- 3 Specify whether CAD Manager channels should be enabled. When active, you can make the following settings:
 - **Feed Location.** Defines the location of the CAD Manager channel RSS feed. RSS feeds are in XML format.
 - **Display Name.** Sets the display name of the CAD Manager channel.

- 4 Specify whether RSS Feeds are enabled and if users are allowed to add feeds.
- 5 Click Next.

Allow Users to Access Online Resources (optional)

On the Configure Access to Online Resources pages, you can specify whether users can access online resources such as receiving live updates from Autodesk, enabling information or CAD Manager channels, or subscribing to RSS feeds. You can also allow access to the DesignCenter as well as specifying Customer Error Reporting and InfoCenter settings.

Configure Access to Online Resources

Specify the ability to access online tools:

- Enable DesignCenter(DC) Online
- Allow access to Subscription Center from within the Autodesk product (recommended)

Specify the Customer Error Reporting (CER) settings:

- Allow users to receive notifications of resolution
- Include computer name in error reports

Specify the Customer Involvement Program settings:

- Allow users to choose to participate in the Customer Involvement Program(recommended)

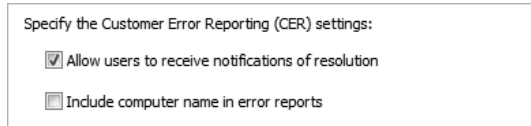
DesignCenter

The DC Online tab in DesignCenter provides access to pre-drawn content such as blocks, symbol libraries, manufacturers' content, and online catalogs. This content can be used in common design applications to assist users in creating drawings. If you turn off DC Online, the DC Online tab is removed from all installations that are based on this deployment. The Enable DC Online option is active by default.

NOTE You can also enable or disable DesignCenter Online access from the CAD Manager Control utility.

Customer Error Reporting (CER)

If your Autodesk product closes unexpectedly, users have the opportunity to send an error report directly to Autodesk, which helps Autodesk to determine and resolve the error. You can determine whether users can also receive notification from Autodesk when their reported errors are resolved.



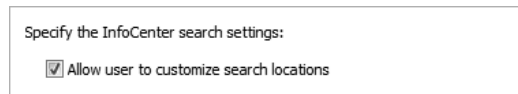
Specify the Customer Error Reporting (CER) settings:

- Allow users to receive notifications of resolution
- Include computer name in error reports

NOTE You can also turn Customer Error Reporting notification on or off in the CAD Manager Control utility.

Configure InfoCenter Search Settings

The Search Results tab of InfoCenter can be configured to display content from various sources, such as the product Help system, CAD Manager Channels, or the Internet.



Specify the InfoCenter search settings:

- Allow user to customize search locations

You can specify whether users who install from the deployment can customize access to their InfoCenter search locations.

To configure access to online resources

- 1 While creating a deployment, on the Configure Access to Online Resources page, do one of the following to configure DesignCenter Online:
 - To disable DesignCenter Online, make sure that the check box next to Enable DC Online is cleared.
 - To enable DesignCenter Online, select the check box next to Enable DC Online.
- 2 If you want to receive notification of problem resolutions, do the following:
 - Select the check box next to Allow Users to Receive Notification of Resolution so that users are made aware of resolutions to issues and can download applicable updates provided by Autodesk. This option is enabled by default.

NOTE Users must have administrative permissions to install an update provided by Autodesk.

- Select the check box next to Include Computer Name to include the user's computer name in error reports. The computer name is included in notifications to the user and in reports available to subscription administrators. This option is disabled by default.
- 3 Lastly, specify whether users have the option to customize their InfoCenter search locations. This option is enabled by default.
 - 4 Click Configuration Complete.

Final Review and Complete Setup

To complete your deployment setup, confirm the settings you selected.

- 1 On the Review - Configure - Create Deployments page, scroll the list of current settings and verify your installation selections.
- 2 Click the Configure button if you need to change any selections.
- 3 Click the Print button if you want a hardcopy of the installation information.
- 4 Click Create Deployment.
- 5 On the Deployment Complete page, click Finish.

You have created an Autodesk product deployment with precise options that are specific to your group of users. You can now use this deployment to install the program.

Modify a Deployment (optional)

After a deployment is created, it may be necessary to modify the deployment for some client workstations. You can apply a patch or select various custom files that are not part of the base administrative image. You can also perform modifications such as changing the installation directory from drive C to drive D.

To modify a deployment

- 1 Open the shared network folder where you originally chose to place your product deployment.
- 2 In the Tools folder, double-click the Create & Modify a Deployment shortcut.
This re-opens the Deployment wizard.
- 3 Click through the deployment pages and make the necessary changes.
- 4 After all the modifications have been made, click Create Deployment.

Point Users to the Administrative Image

When you have completed the deployment process, you are ready to have users install the newly created or modified deployment. You need to notify your users of the shortcut that was created in the administrative image. The shortcut is the same name that you chose in Create a Deployment.

To point users to the Administrative image

- The simplest method of notifying users how to install the deployment is to email them with instructions about using the shortcut. At a minimum, the instructions need to include the location of the deployment and instructions about double-clicking the shortcut to the deployment.

Stand-Alone Quickstart

6

Installing Autodesk Design Academy Products

All the products in the Autodesk Design Academy package allow for stand-alone installation. Using the common software installer and product disks, move from system to system installing the product.

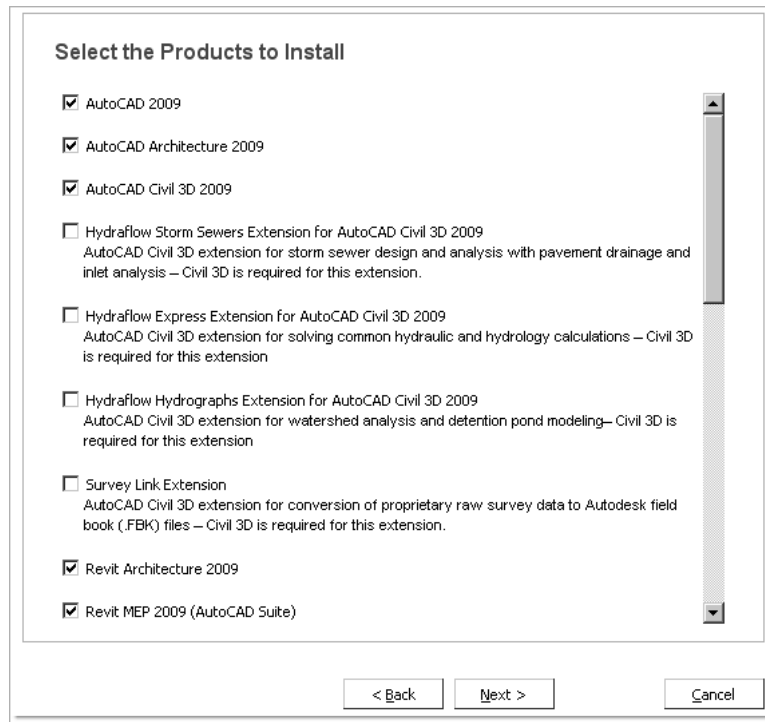
To install Autodesk Design Academy products

- 1 Insert the common software installer disk into your computer's drive and click Install Products.

NOTE Autodesk Design Academy's installer only supports installation of 32-bit versions of the products.

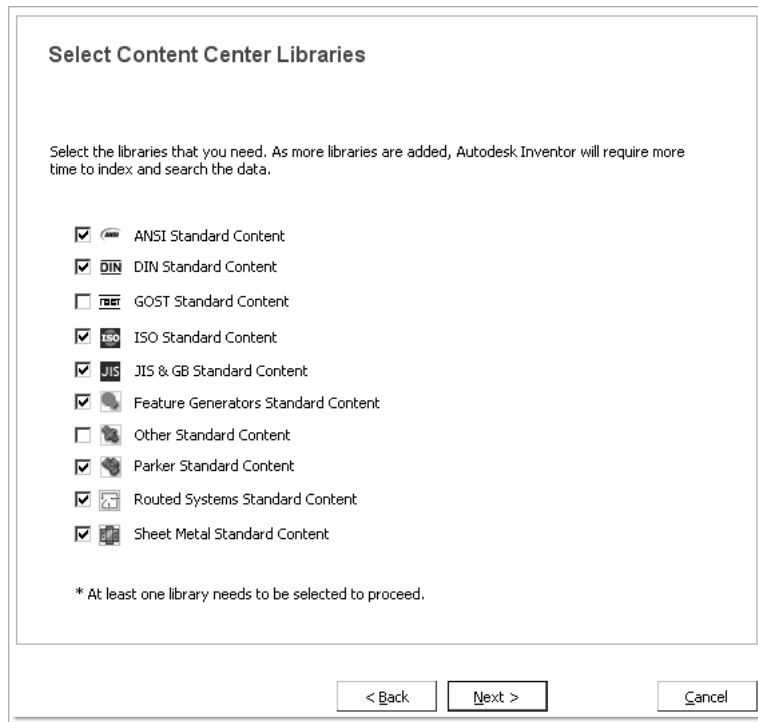


- 2 In the Select Products to Install page select the product(s) to install and click Next.



Note that you can access product Readme's and System Requirements by selecting one of the information links on the left panel of the Select Products page (not shown).

- 3 Next, you'll need to choose which Content Center libraries you want to install on the Select Content Center Libraries page. At least one library needs to be selected in order to proceed.



- 4 Review the Autodesk software license agreements and click I Accept and then click Next.

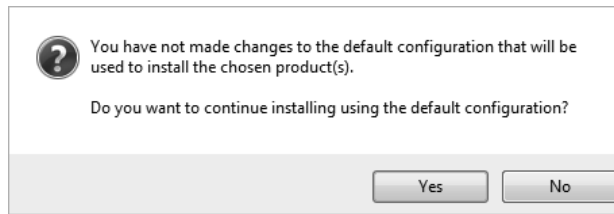
NOTE If you do not agree to the terms of the license(s) and want to terminate the installation, click Cancel.

- 5 On the Products and User Information page, fill out your personal or your institution's serial number and user information, and click Next.

IMPORTANT The information you enter here is permanent. Because you can't change this information later without uninstalling the products, make sure you enter the correct information when installing.

- 6 On the Review - Configure - Install page, review the installation information. If you wish to make changes, select the product from the drop-down list and select the Configure button.

If you do not wish to make configuration changes, select Install. Then select Yes to continue installing using the default configuration. You will then be prompted to insert each product's disk you have selected in the install process.



- 7 When the installation is complete, click Finish.

NOTE Some programs may prompt you to restart your system. If you have more programs to install, complete those installations and then restart your system.

Product Distribution

7

Once products have been installed on the primary system, it's time to distribute the products throughout the classroom or lab. There are two common ways to do this:

- On each computer, run the deployment shortcut.
- Using the deployment shortcut, install the products on the system to be imaged. Then use imaging software, such as Norton Ghost, to create a master image that can be replicated to additional computers.

Installation by Deployments

After you've created all the administrative images of the products you need to install in your classroom or lab, you can begin the distribution process. You use the deployment shortcuts that were created by the Deployment wizard.

TIP You must have local administrative permissions on each system where you want to distribute Autodesk products.

Install Network-Deployed Products to a System

- 1 Log on to one of the systems in the classroom or lab.
- 2 Browse to where the shared folder (*Deployments*) resides.
- 3 Double-click the deployment shortcut icon to install the product.
- 4 Browse to the shared folder of the product you want to install.
- 5 Run the product before moving to the next system.
- 6 Move to the next system and repeat these steps.

Install Multi-Seat Stand-Alone Products to a System

- 1 Log on to one of the systems in the classroom or lab.
- 2 Browse to where the shared folder (*Deployments*) resides.
- 3 Double-click the deployment shortcut icon to install the product.
- 4 Browse to the shared folder of the product you plan to install.
- 5 Repeat this on each system in the classroom or lab.

Distribution by Imaging Software

Imaging software, such as Norton Ghost, is used to create a master image of a computer where Autodesk products have been installed. The master image is then replicated to other computers throughout your facility.

Ghosted images cannot be transferred to non-identical workstations. Images have to be specially tailored for non-identical workstations. Make sure you are familiar with the entire imaging process before you attempt to duplicate an image onto other workstation.

Using imaging software can also result in the following situations:

- Conflicts with product licensing
- Incomplete product installations

NOTE If you are experiencing licensing instability in a SATA RAID environment, using imaging software to distribute Autodesk products can cause product activation problems. You may receive an “Activation code limit exceeded” message if you attempt to activate products in a SATA RAID environment.

Use a Master Image to Distribute Network Licensed Products to Multiple Systems

A master image can be used to distribute network licensed products to multiple systems in your classroom or lab environment.

- 1 Following the QuickStarts for your network licensed product, create a network deployment for installing network applications.
- 2 Using the deployment shortcut that was created for the product, install the Autodesk product on the system to be imaged.

- 3 After the Autodesk product has been installed, use imaging software to create a master image of the system's hard drive.
- 4 Apply the master image to the other systems.
- 5 Run the product.

NOTE A license server must be running, and each system must be connected to the network in order to run the application.

Use a Master Image to Distribute Multi-Seat Stand-Alone Products to Multiple Systems

A master image can be used to distribute multi-seat stand-alone products to multiple systems in your classroom or lab environment.

NOTE When using Norton Ghost, you must use the *-ib* switch to include the boot sector in your master image. Consult your imaging software for more details on including the boot sector as part of the master image.

- 1 Following the QuickStarts for your multi-seat stand-alone products, create a stand-alone deployment for installing multi-seat stand-alone products.
- 2 Using the deployment shortcut that was created for the product, install the Autodesk product on the system to be imaged.

NOTE If you anticipate the need to re-image computers, do not run or activate any products on the primary system until the master image has been created, distributed, and tested on at least one other system.

If you want to test an application, you can create a temporary master image. For example, create a test image after the multi-seat stand-alone application has been installed, but *not* run. After the test image is created, run the application. If the test is successful, restore the image so the system is returned to a state before the application was run.

- 3 After the Autodesk product has been installed, use imaging software to create a master image of the system's hard drive, including the boot sector.
- 4 Apply the master image to your first satellite system so you can test the master image.
- 5 Launch the products on the test system and activate them.

Initially, each product has a 30-day grace period. During that grace period, you must register and activate the products you want to continue using. Products on satellite systems are automatically activated as long as they are connected to the Internet. Satellite systems that are not connected to the Internet must be manually registered and activated.

- 6 If the products on the test system operate correctly, distribute the master image to all the other satellite systems so you can run and activate the programs throughout the facility.

Restore Products Using the Master Image

Should you ever have to reinstall one or more of your products, it may prove expedient to restore them using the master image.

NOTE Before attempting this, make sure you have saved a copy of each system's Software Licenses folder to another system.

- 1 Exit the application. Do not run the application again until you have completed this procedure.
- 2 Open Windows Explorer and copy the Software Licenses folder from the appropriate path shown below to a location other than the drive that will be restored.
c:\Documents and Settings\All Users\Application Data\Autodesk\Software Licenses
- 3 Restore the master image.
- 4 Restore the Software Licenses folder (and Product Licenses folder, if appropriate) that you created in step 2 to its original location on that system.

Because the licensing folders were copied to a location other than the drive being restored, they were protected during the restoration process. Once the licensing folders are copied back the system they came from, the products can be run and no reactivation is necessary.

Product Activation and Removal

8

Activation is software-based license management technology that allows customers who have purchased legitimate licenses to run Autodesk software by verifying the validity of the serial number, and the eligibility of the computers where the software has been installed. Product activation does not change the way the software works for licensed users.

Product Activation

All Autodesk Design Academy 2009 products are pre-configured as stand-alone products. If you want to deploy your software on a network, you must call Autodesk Product Activation and Registration Department at 800-551-1490 to request that the Autodesk Design Academy serial number be changed from stand-alone to network. When ready, the Autodesk Customer Service Center can then provide you with your network activation code.

All educational products have pre-registered serial numbers. If you install products from a deployment, they will need to activate when you first launch the products. If you install directly from the product disks and you launch the product for the first time, you will be asked to activate, then enter your serial number. If everything is ok, your activation will be successful.

For multi-seat stand-alone products on a workstation, if you attempt to activate a product and you receive the activation dialog box with the message, "Do you want to launch the product or activate?" exit the product, and then restart it. Your product should already be activated. If you receive this message after relaunching and you have not activated the product before, you can manually activate the product.

If the product fails to activate, this could indicate that the registration information does not match the registration information Autodesk has on record. If the product is not activated, follow the activation process again.

If you get locked out of online activation, you must call Autodesk Product Activation and Registration Department (800-551-1490) for your code.

If you have problems with the automated process or if you are activating products manually, you can use one of the following methods:

- By visiting <http://register.autodesk.com> (Web address prompts user to create a Register Once account)
- By email: authcodes@autodesk.com
- By phone: 800-551-1490
- By fax: 800-225-6490

Product Removal

If you need to uninstall any of the Autodesk Design Academy products, you should do so from the Add/Remove Programs utility in the Control Panel. Uninstalls must be done individually on each client's workstation.

Education Curriculum

9

Your Autodesk Design Academy 2009 package is a comprehensive pre-architecture, pre-engineering, and cross-discipline program developed specifically for secondary schools by experienced educators and technical experts. The curriculum supports Science, Technology, Engineering, and Math (STEM) education.

Should you need it, the Autodesk Design Academy curriculum supplies you with the equivalent of one year's worth of instruction materials that can be customized to meet the needs of your classroom.

Curriculum Overview and Installation

The Autodesk Design Academy curriculum begins with a Getting Started section that provides:

- Product installation overview
- Desktop navigation tools, including instructions for creating an AutoCAD icon
- File management techniques
- Sample projects

Following the Getting Started section is the Instructor Resources section, outlining:

- Project-based learning and the design process
- An explanation of how to map your curriculum to state and national standards
- Syllabi for architectural, civil, and mechanical design, and evaluation rubrics

The Design Basics, Pre-Architecture, Pre-Civil Engineering, Pre-Mechanical, Sustainable Design, and Design Visualization Using Autodesk 3ds Max Design sections are the core of the curriculum. They include units subdivided into lessons, exercises, projects, a summary, and self-test questions. The student projects also include corresponding standards for science, math, language arts, and technology content, as well as key terms and objectives.

There are also exercises that center around inter-discipline topics like adding a light and creating an animation, or mapping the solar system. Once you develop your skills, there are lessons on creating and presenting your portfolio, marketing your skills, and preparing your presentations.

New and experienced teachers are invited to use the curriculum in the way that best meets their classroom needs. A new teacher may benefit from following the curriculum step by step from start to finish; a seasoned design instructor may find it more suitable to customize the curriculum by selecting specific sections, and by complementing Autodesk Design Academy with their own material.

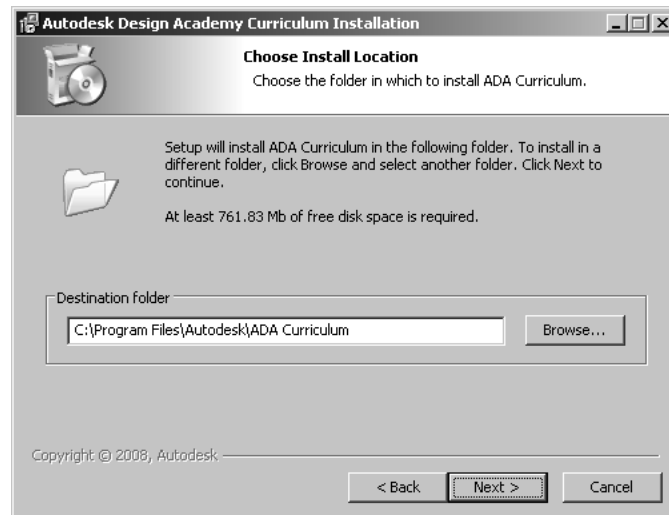
To view the curriculum, you need to have Microsoft Internet Explorer 5 or later and Windows Media Player installed.

Autodesk Design Academy Curriculum Installation

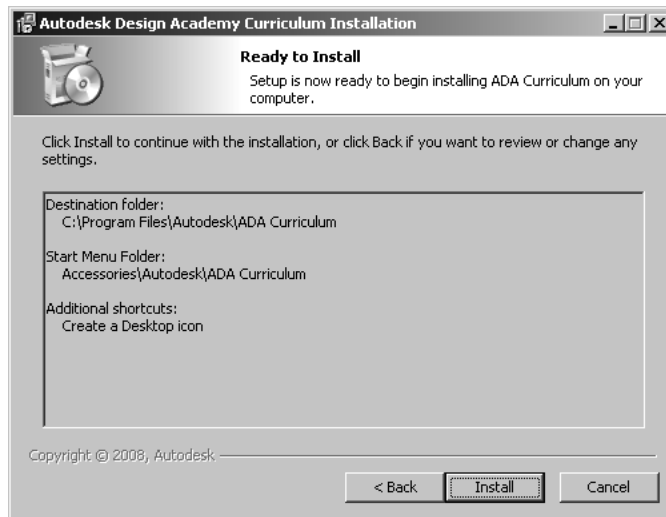
The curriculum is provided in compiled HTML (CHM) and PDF formats.

To install Autodesk Design Academy curriculum files

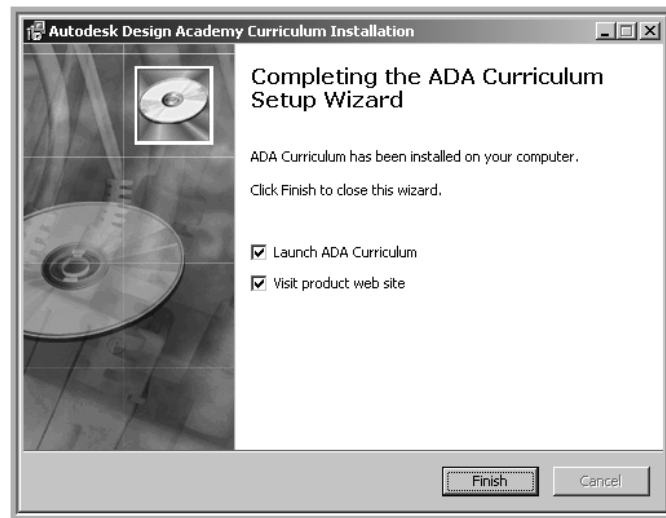
- 1 Insert the curriculum software installer disk in the computer's drive.
- 2 At the Welcome to the ADA Curriculum Setup Wizard page, click Next.
- 3 Next, choose the installation location for your curriculum folder. You can accept the default, or Browse to another location, and then click Next.



- 4 In the Select shortcuts page, select the Start menu folder where you would like to create the program's shortcut. You can accept the default name (*Autodesk\ADA Curriculum*), or create a new name. If you prefer not to have a shortcut, select Do not create a shortcut box. Click Next.
- 5 In the Select shortcuts page you choose to add additional shortcuts, or create a desktop icon, then click Next.
- 6 On the Ready to Install page, review your selections. If you do not want to make any changes, select Install.



- 7 After installation completes, click Finish. You can also choose to open the curriculum at that time and visit the Autodesk Design Academy web site.



Autodesk Design Academy Curriculum Data Files

The data files for exercises are installed in the *\Data Files* folder of the Autodesk Design Academy Curriculum disk. The files have the same structure as the table of contents.

To use the data files, copy them from the Curriculum disk to each computer. If the computers are on a network, copy the data files to a shared network drive and assign read access to the files. Students should copy the files to their local computer before working with them.

NOTE When the data files are copied from the disk, they will be read-only. Turn off the read-only attribute on the data files so the files can be modified in the lessons.

To turn off the read-only attribute

- 1 In Windows XP or Vista, go to Windows Explorer, locate and select the file or folder whose properties you want to change.
To get to Explorer in Windows XP or Vista, go to the Start menu (XP) or icon (Vista) ► Programs ► Accessories ► Windows Explorer.
- 2 Click File menu ► Properties. You can also right-click on the file to open the Properties dialog box.
- 3 In the Properties dialog box, on the General tab, clear the Read Only check box.

NOTE When changing the attributes of a folder, you will be asked if you want to apply the change to any subfolders and files that reside in the selected folder. Click OK.

- 4 Click OK.

Autodesk Design Academy Curriculum Documentation

If you need hard copies of the lessons, print content directly from the Autodesk Design Academy Curriculum disk or PDF files.

Autodesk Design Academy users may make a reasonable number of copies of the Autodesk Design Academy curriculum for classroom instruction. Refer to the Autodesk Design Academy License Agreement for more guidelines. Use the Adobe Reader software to open, view, and print the PDF files.

Troubleshooting Guide

10

This chapter contains a collection of solutions for common problems that you may encounter when managing the software in a classroom or lab environment.

Network Licensing Issues

Why is it a bad idea to use Microsoft Word to edit my .lic file? When you save a .lic file after editing it with a word processor, like Microsoft Word, extra data gets saved with the file. This results in an invalid .lic file. You should always use an ASCII text editor like Notepad to ensure that no extraneous data is saved with the file.

How can I get my Network License Manager to administer licenses for my 2008-based products as well as my 2009-based products? You can do this by first updating your Network License Manager to the most recent version. See [Install the Network License Manager on page 19](#).

Then, follow the instructions for combining license files in [Licensing Multiple Products on page 28](#).

Deployment Issues

I deploy products in my facility by means of imaging software. However, I've had to run software on my system where I create the master image. How do I clean the system in preparation for creating a new master image? A procedure for cleaning your main system can be found in Clean a Primary System and Restore the Operating System on page 14.

TIP If the deployment process seems to be taking an excessive amount of time, you can perform a quick test. Copy the disk(s) directly to the server. If the amount of time is approximately the same as the deployment method then nothing is wrong with your server or the deployment. Deployments do require ample time due to the amount of software being loaded.

Activation Issues

Before I create my master image shouldn't I activate and run the applications? You should not run and activate stand-alone products if you anticipate re-imaging computers often, for example, once a month.

Refresh Issues

I sometimes have to re-image our facility. Do I need to be concerned about breaking my software licenses? When you create your master image, you need to make sure you have a clean boot sector.

If you're going to re-image frequently, you need to be sure to back up your authorization data. You need to copy the license files to a different system and then copy them back after you restore the master image. This ensures that the application will run without re-activation. Refer to Restore Products Using the Master Image on page 66.