

Parametric Technology Corporation

**Training Edition
Pro/ENGINEER[®] Wildfire[®] 3.0
Installation and Administration Guide**

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1

Installing and Setting Up the Training Edition

This Pro/ENGINEER Training Edition guide provides instructions on the installation, implementation, and use of the Pro/ENGINEER Wildfire 3.0 software for teachers and students. This guide is subject to change without notice and without any commitment by Parametric Technology Corporation (PTC).

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Overview of Pro/ENGINEER Training Edition

Welcome to the Pro/ENGINEER Wildfire 3.0 Training Edition. PTC hopes that you enjoy using the world's most popular 3D MCAD solution. This guide provides instructions on the installation, implementation, and use of the software. The Training Edition Package includes the following items:

- Pro/ENGINEER Training Edition software on one CD-ROM.
- Online Help for English, also on the CD-ROM. Other languages are available during an optional setup.
- Pro/ENGINEER tutorials on the Pro/ENGINEER landing page.

Usage Guidelines for Training Edition Software

Pro/ENGINEER Training Edition is available to users who have completed an official PTC training course. There is no technical support for the Training Edition. In addition, please review http://www.ptc.com/for/education/troubleshooting_faq.htm for a FAQ of common questions and the Troubleshooting section at the end of this document. Users who experience installation issues should contact learning@ptc.com for assistance.

Note: You cannot use the Training Edition software for commercial, professional, or for-profit purposes. The software is not compatible with commercial or other educational versions of Pro/ENGINEER.

Languages

Choose from English, Chinese (Traditional and Simplified), French, German, Italian, Japanese, and Spanish for the Pro/ENGINEER Training Edition. See the installation instructions for installing the desired language.

File Compatibility of Pro/ENGINEER Editions

The different editions of Pro/ENGINEER and the compatibility between them are shown in the next table.

Pro/ENGINEER Edition	Training	Schools	Schools Advanced	University Plus	Student	Commercial
Training		No	No	No	No	No
Schools	No		Yes	Yes	Yes	Yes*
Schools Advanced	No	Yes		Yes	Yes	Yes*
University Plus	No	Yes	Yes		Yes	Yes*
Student	No	Yes	Yes	Yes		Yes*
Commercial	No	Yes*	Yes*	Yes*	Yes*	

* Requires the use of the Education-to-Commercial conversion tool, a part of University Plus.

Features Specific to the Training Edition

Pro/ENGINEER Training Edition is different from the commercial software in the following ways:

- No access to floating options.
- Training Edition banners on the borders of plots and drawings.
- Online registration and license generation process.
- No running of software over a network. You must install the software on every computer using Pro/ENGINEER.
- No software compatibility with commercial or with the other Education Editions of Pro/ENGINEER.

Meeting Platform Requirements

Before installing Pro/ENGINEER Training Edition, your computer must meet the requirements in the next two tables. For platform details, see http://www.ptc.com/WCMS/files/30874/en/30874en_file1.pdf.

Operating System	Service Pack	Processor
Windows XP Professional and Home Edition, 32-bit	Base OS, Service Pack 1 and 2	INTEL Pentium/Xeon family and AMD Opteron family
Windows 2000, 32-bit	Base OS, Service Pack 1,2,3 and 4	INTEL Pentium/Xeon family

Minimum platform requirements follow. For computers upgraded from Windows 95/98/Me to Windows 2000/XP, delete the winbootdir variable, otherwise Pro/ENGINEER fails to start.

Platform	Minimum Requirement
Main Memory	256 MB (512 MB or higher)
Available Disk Space	900 MB (Pro/E), 1.2 GB (with Pro/ENGINEER Mechanica)
Swap Space	500 MB (1024 MB or higher)
CPU Speed	Pentium III 700 MHz (1 GHz or higher)
Graphics Cards	<p>Cards must support OpenGL. For supported graphics cards, see http://www.ptc.com/WCMS/files/30874/en/30874en_file1.pdf.</p> <p>If your graphics card does not support OpenGL, see the section Configuring Graphics Acceleration.</p>
Browser	Microsoft Internet Explorer 6.0 SP1 or later
Network	Microsoft TCP/IP, Ethernet network adapter
Monitor	1024 X 768 (or higher) resolution with 24-bit or greater color
File Systems	NTFS

Platform	Minimum Requirement
Mouse	Microsoft approved 3-button mouse
Distribution Media	CD-ROM or DVD drive

Installing Pro/ENGINEER Training Edition

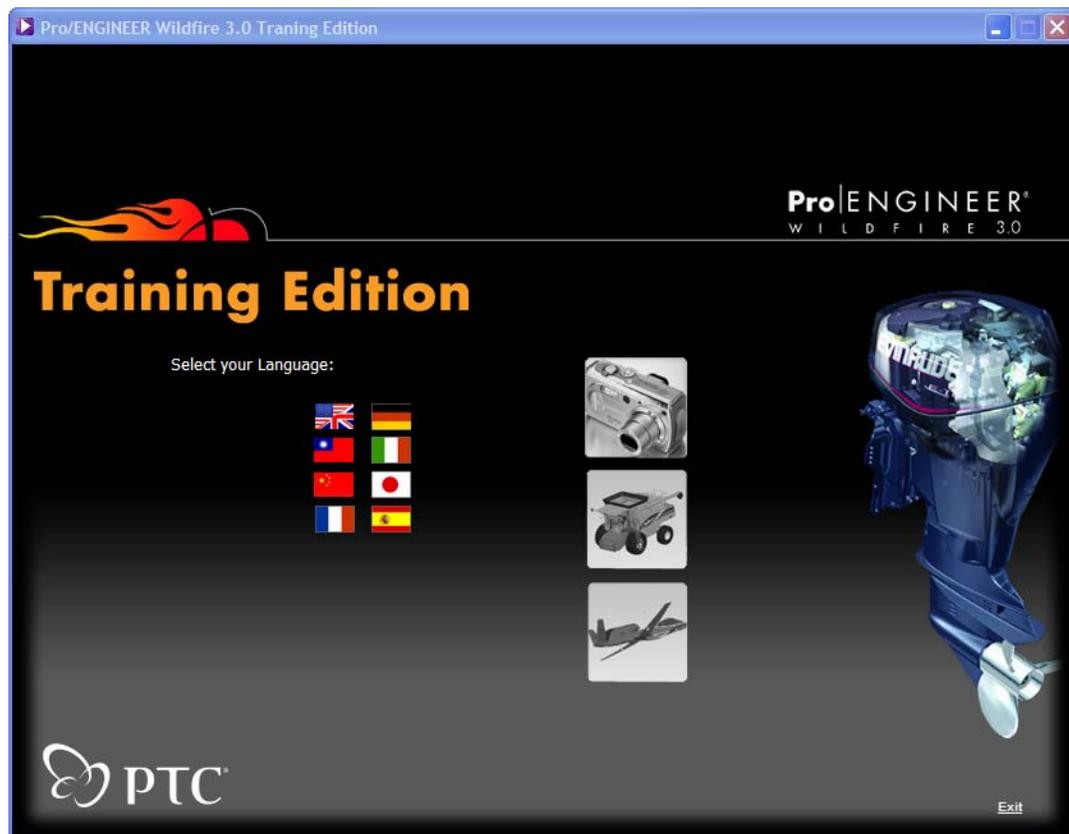
To perform the installation, use the Pro/ENGINEER Wildfire 3.0 Training Edition CD. To streamline the process, first connect to the Internet and take the following actions first. Instructions follow in later sections.

- Open a PTC online account, if you do not have one.
- Generate a new software license.

Logging In with Administrator Privileges

To open the Pro/ENGINEER **Training Edition** starting screen, follow these steps:

1. Close all applications and disable your screen saver. Failure to do so can produce a poorly installed application
2. Log in as administrator or log on to an account with administrator privileges.
3. Insert the Pro/ENGINEER Training Edition CD into your CD-ROM drive. If installation does not start, see the Troubleshooting section at the end of this guide. The **Training Edition** starting screen appears.



4. Click the country flag to choose the language for the software installation. The **Training Edition** information screen appears.

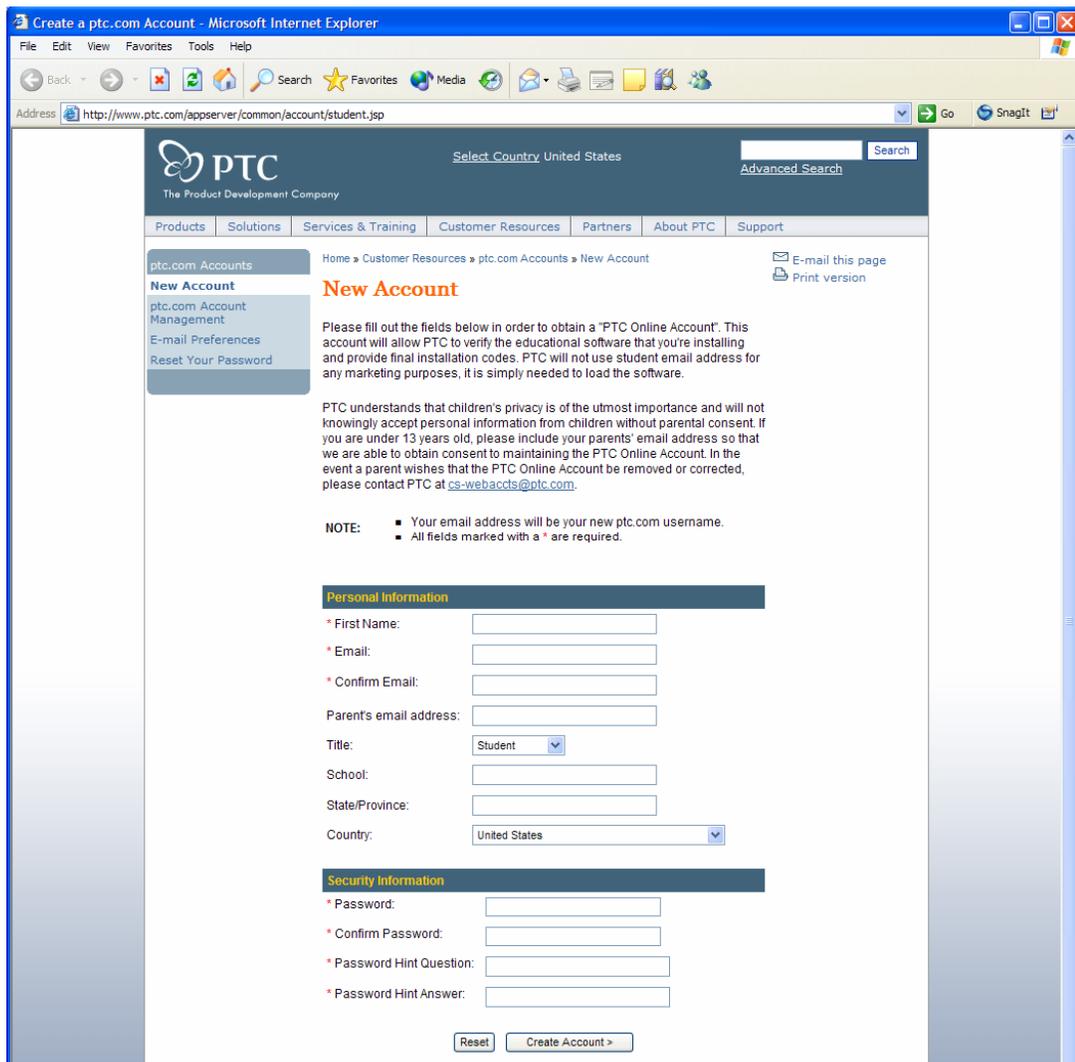


You must have a PTC online account to generate a license. Create your online account now, if you have not already done so.

Opening a PTC Online Account

If you already have an online PTC account, skip to the next section.

1. In the previous screen under **Installation Instructions**, click **PTC online account** in step 3. The **New Account** screen opens.



2. Fill in any empty text boxes.
3. Click **Create Account**. A confirmation screen appears.
4. Review and print this confirmation. A confirmation of your account is sent to your and your parent's e-mail addresses.

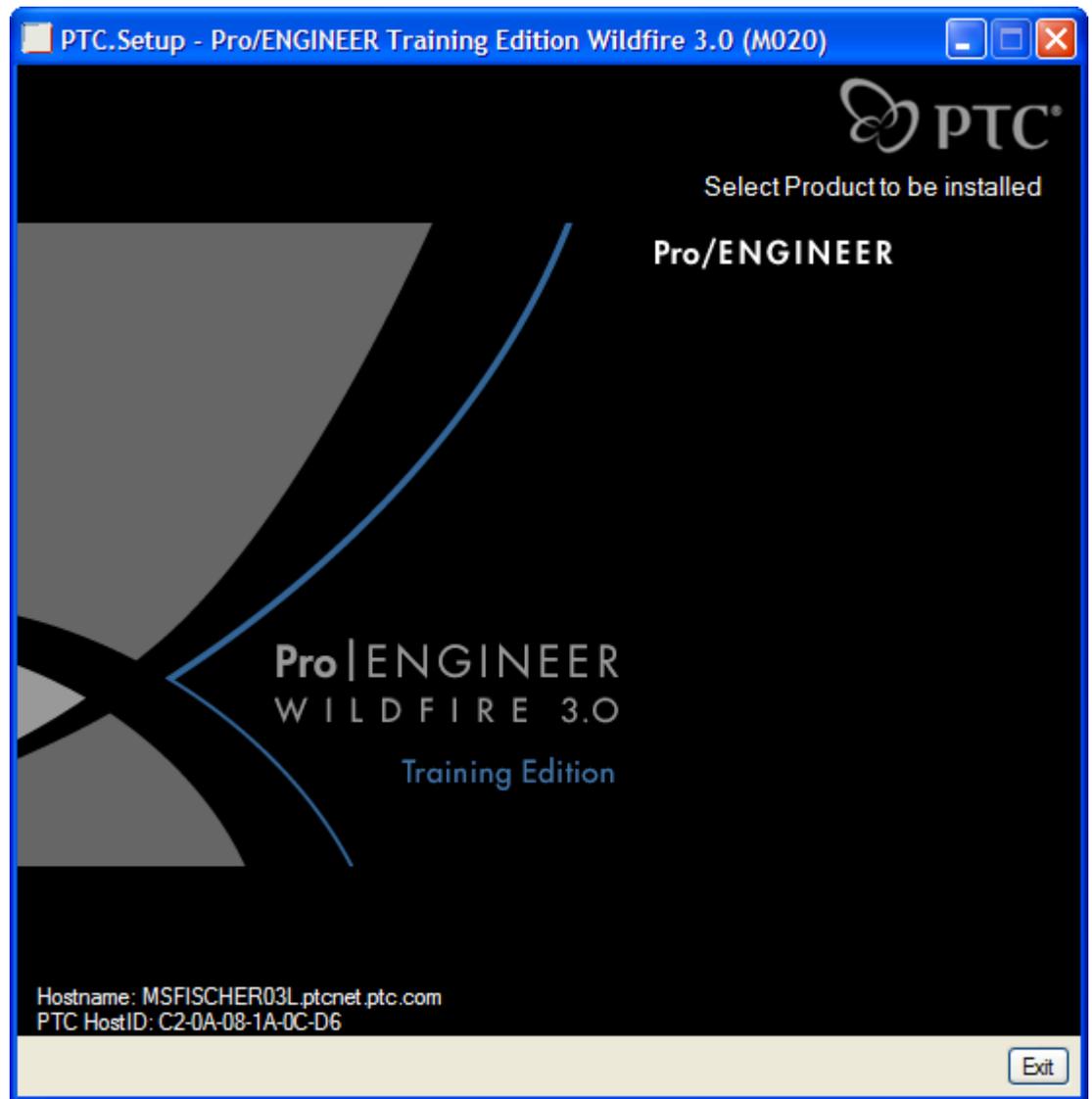
Generating a New License File

The method of generating a license file depends on whether the computer on which Pro/ENGINEER will run is connected to the Internet. From the **Training Edition** information screen shown previously, follow these steps.

- No Internet for installed software—Skip to the section Generate an Offline License File.
- Internet connection for the installed software—Follow the next steps.

1. Click **Install Now** to begin the installation for Pro/ENGINEER Training Edition. The **PTC.Setup** screen appears.

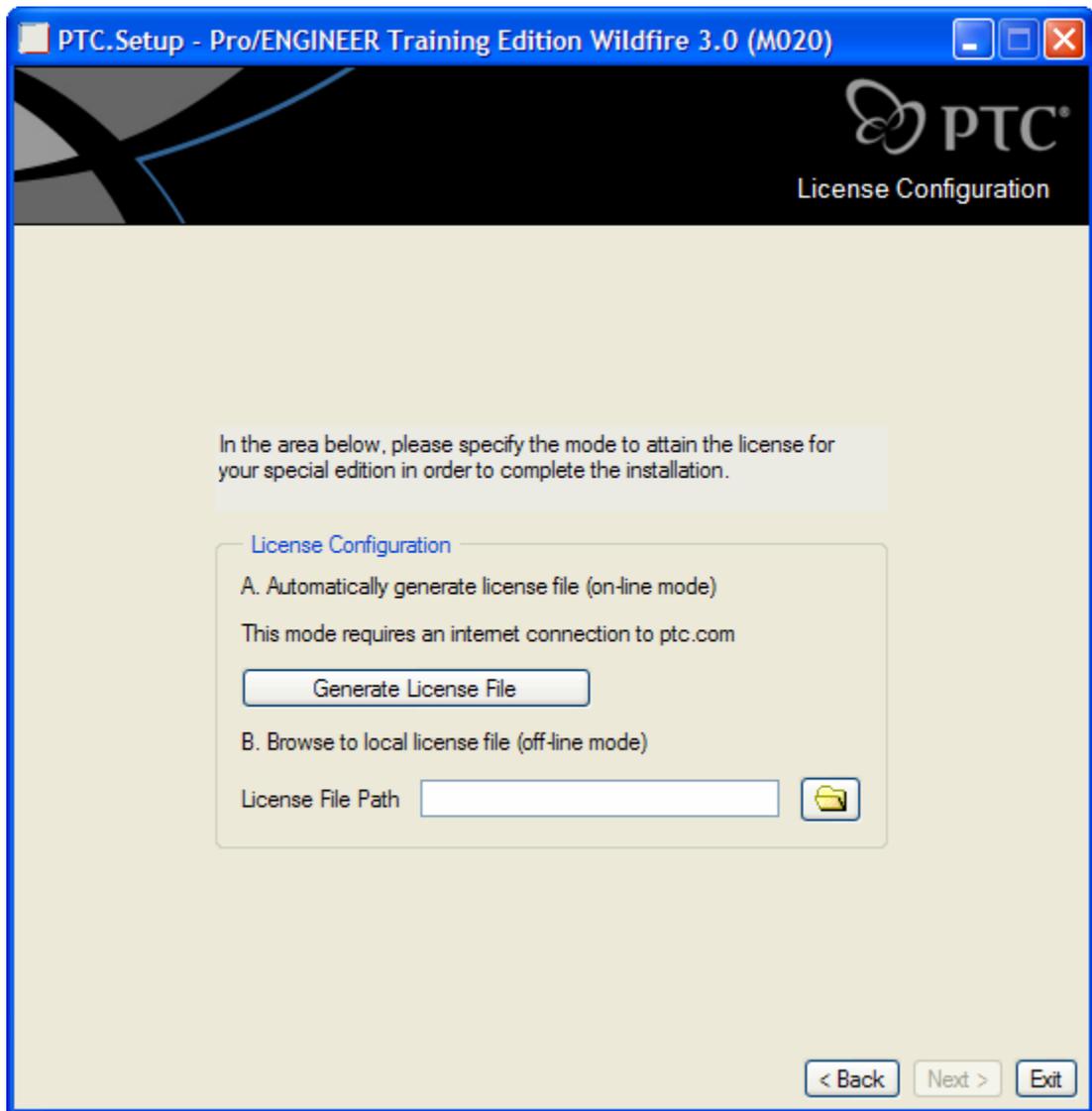
Note: During installation, you can click **Exit** at any time to stop the process.



Generate an Online License

If the computer for Pro/ENGINEER installation is connected to the Internet, use online license generation:

1. Click **Pro/ENGINEER** to install the Pro/ENGINEER Training Edition software. The **PTC.Setup** screen for License Configuration appears.



2. Click **Generate License File**. A prompt appears.
3. Log in with your user name and password. PTC.Setup uses your PTC HOST ID and Training Edition ID to generate the license file. The path appears in the **License File Path** box.
4. Click **Next**. The **Define Installation Components** screen appears.

Note: Now skip to the section Selecting the Pro/ENGINEER Modules to Install.

Generate an Offline License

If the computer on which Pro/ENGINEER is to be installed is not connected to the Internet, use offline license generation. Perform these steps on a computer connected to the Internet. You must then move the license to the computer on which the software will be installed.

1. Click **Generate License for Offline Mode** at the bottom of the **Training Edition** information screen shown previously. A prompt appears.
2. Log in with your user name and password. The **Pro/ENGINEER Training Edition Licensing** screen opens. Most of the text boxes are filled, except for the **HostID**.

3. You will be shown the Pro/ENGINEER Training Edition License agreement, please review and accept the agreement. Click **Continue**.

The screenshot shows the PTC website's licensing page. At the top, there is a navigation bar with the PTC logo, a search box, and links for 'Country / Region United States | Log out' and 'Advanced Search'. Below the navigation bar is a menu with 'Products', 'Solutions', 'Services & Training', 'Customer Resources', 'Partners', 'About PTC', and 'Support'. The main content area is titled 'Home » About PTC' and 'Pro/ENGINEER Training Edition Licensing'. It features an 'Export Agreement' section with five numbered points regarding export restrictions. Below this is a paragraph stating that a violation of these terms constitutes a license termination. A checkbox is provided for users to confirm they agree to these terms. The 'License Agreement' section follows, starting with a paragraph about the terms and conditions of the license. It then lists a 'License Grant' which is non-exclusive and revocable, intended for internal use only. A 'Submit Request' button is located at the bottom right of the form area.

4. In the **HostID** textbox, type the Host ID for the computer on which the Training Edition will be installed.

Note: For more information on your Host ID, see the Troubleshooting section.

The screenshot shows the PTC website's registration form. The header and navigation bar are identical to the previous screenshot. The main content area is titled 'Home » About PTC' and 'Pro/ENGINEER Training Edition Licensing'. It features a registration form with the following fields: 'First Name' (Mark S), 'Last Name' (Fischer), 'Email Address' (mfischer@ptc.com), 'HostID*' (REQUIRED), 'Company or Educational Institution Name*' (PTC), 'Division/Department', 'Job or Academic Title', 'Address 1' (140 Kendrick Street), 'Address 2' (A3-164), 'City' (Needham), 'State/Province*' (MA), 'Zip/Postal Code' (02494), 'Country*' (United States), and 'Telephone' (5857, N/A). A red asterisk indicates that the HostID, Company, State/Province, and Country fields are required. A 'Submit Request' button is located at the bottom right of the form area. The footer contains links for 'Products | Solutions | Services & Training | Customer Resources | Partners | About PTC | Support', 'Contact Us | Search & Site Guide | Legal Policies & Guidelines | 1533', and 'Copyright © 2006 Parametric Technology Corporation'.

5. Click **Submit Request**. A confirmation screen appears.
6. Review the information before closing your browser.

Continue with the next two sections to save you License Pack. Then you can install the Training Edition on your offline computer.

Saving Your License Pack for Offline Use of Pro/ENGINEER

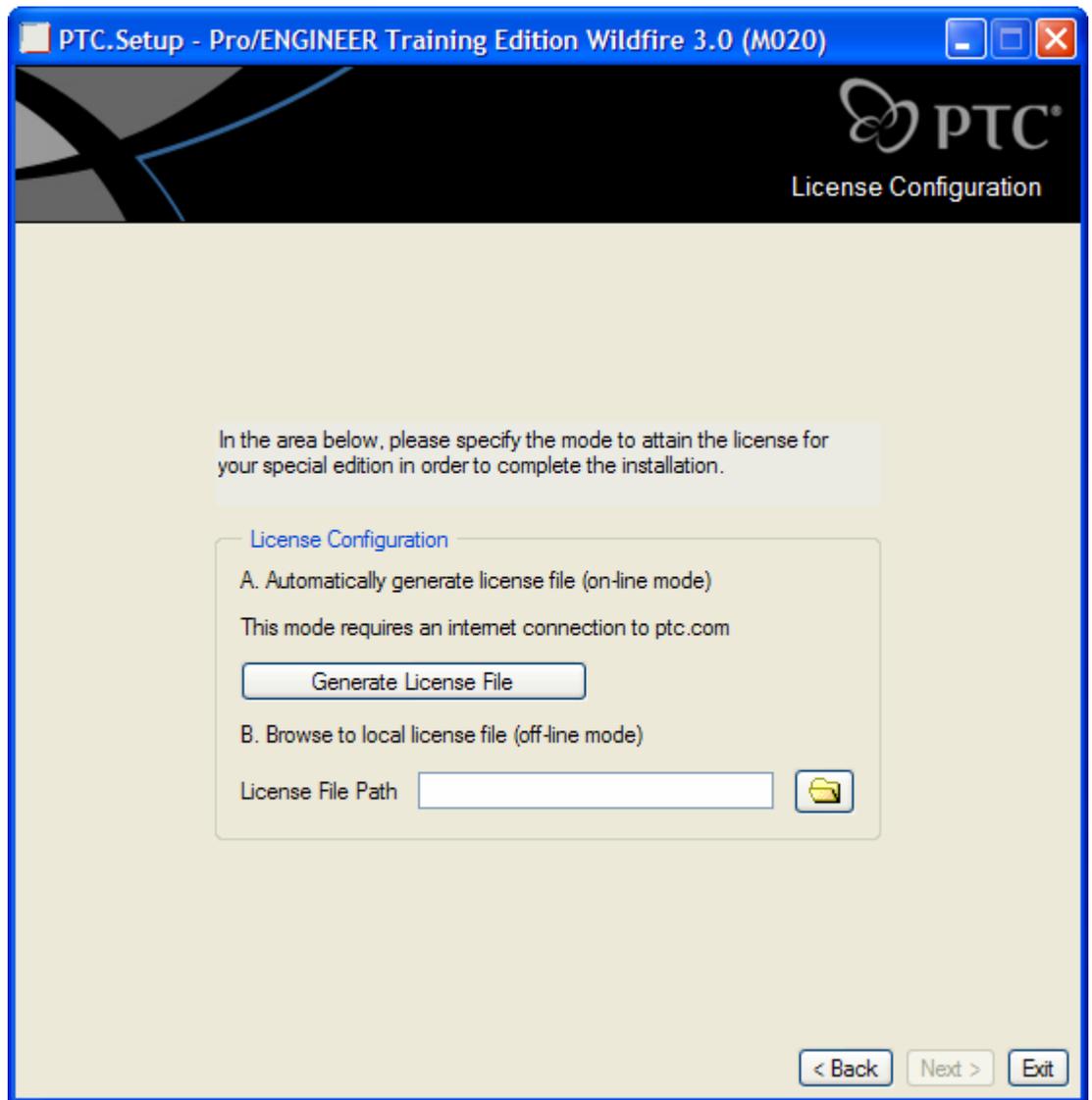
Your License Pack for offline use arrives by e-mail within 2 hours. It contains a file attachment named `sw_license_email_0000.dat` or something similar. Save the file to the offline computer in an easily remembered location, for example, `C:\TEMP`.

Caution: Do not edit the name or contents of this license file. Changes to it make the license invalid and prevents Pro/ENGINEER Training Edition from starting.

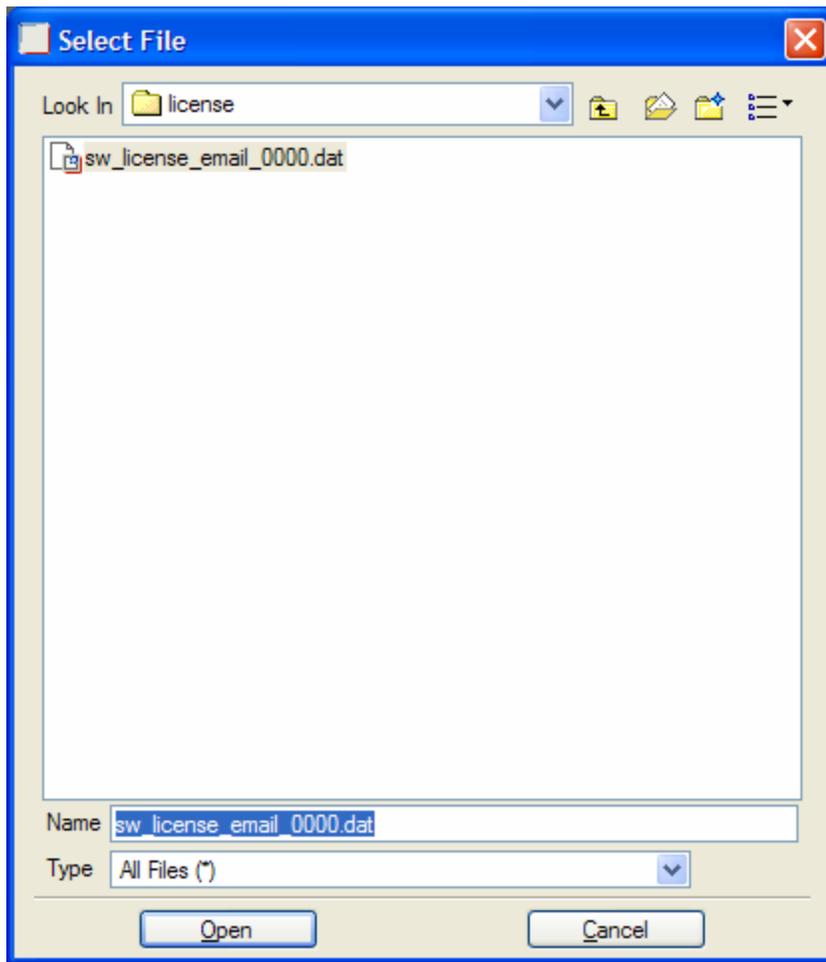
Installing Pro/ENGINEER Training Edition on the Offline Computer

To open the Pro/ENGINEER **Training Edition** starting screen, follow these steps:

1. Close all applications and disable your screen saver. Failure to do so can produce a poorly installed application
2. Log in as administrator or log on to an account with administrator privileges.
3. Insert the Pro/ENGINEER Training Edition CD into your CD-ROM drive. If installation does not start, see the Troubleshooting section at the end of this guide. The **Training Edition** starting screen appears.
4. On the **Training Edition** starting screen, click the language flag for the desired language. The **Training Edition** information screen appears.
5. Click **Install Now**.
6. Click **Pro/ENGINEER** to install the Pro/ENGINEER Training Edition software. The **PTC.Setup** screen for License Configuration appears.



7. Click the Folder icon to the right of the **License File Path** box.
8. Navigate to the directory with your Pro/ENGINEER Training Edition license file as shown in the **Select File** dialog box. The directory (Folder) path depends on where you saved your license file. It may not appear exactly as in the example.



9. Select the license file and then click **Open**. The **Select File** dialog box closes the path appears in the **License File Path** box on the **PTC.Setup** screen for License Configuration.

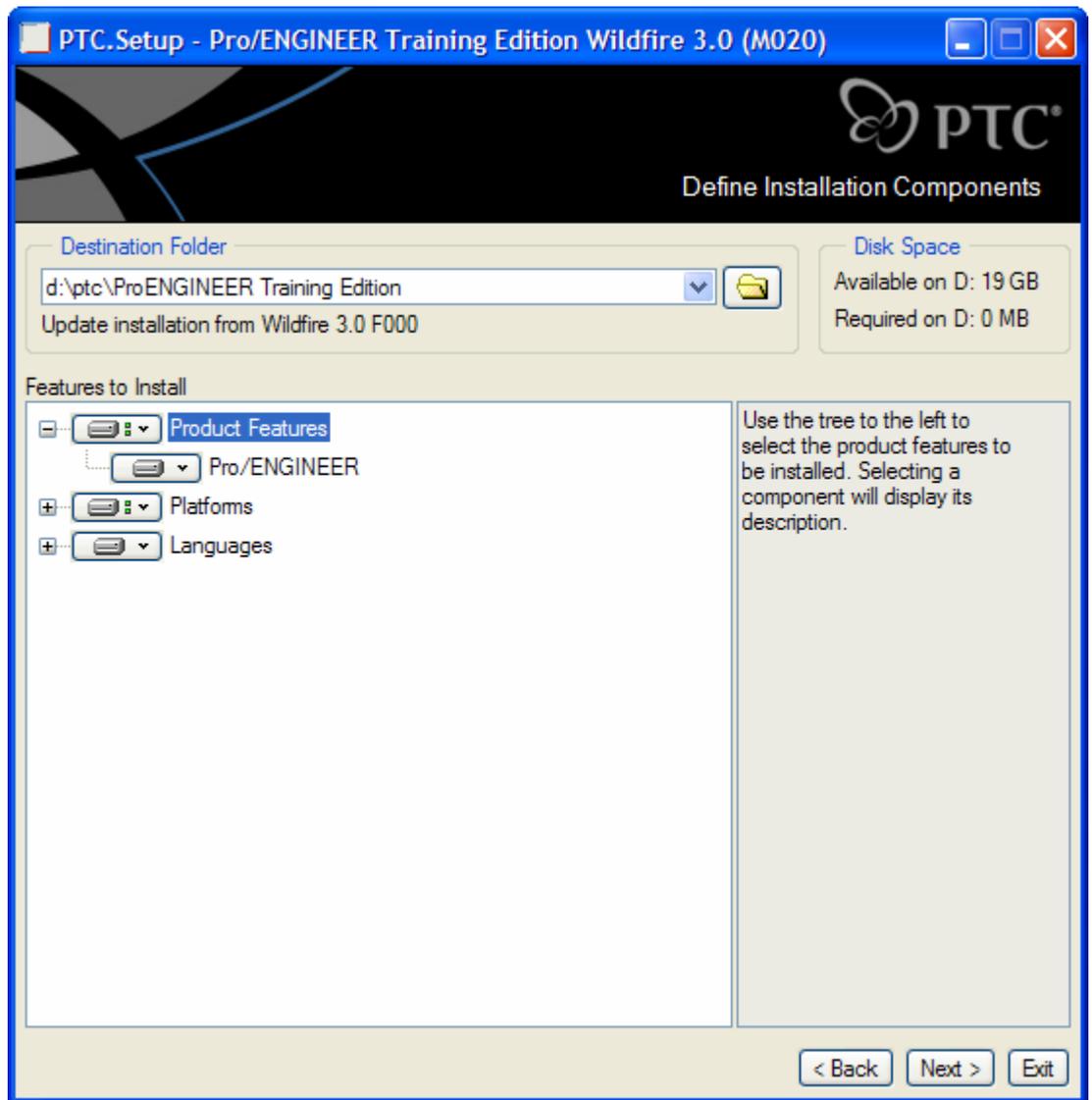
Note: To be prepared for a reinstallation, write down in a safe place the path of the license file. PTC strongly recommends this action.

10. Click **Next**. The **Define Installation Components** screen appears.

Selecting the Pro/ENGINEER Modules to Install

In the **Define Installation Components** screen, you can choose not to install some modules of Pro/ENGINEER.

1. Right-click a module to omit it from the installation, and click **do not install**.

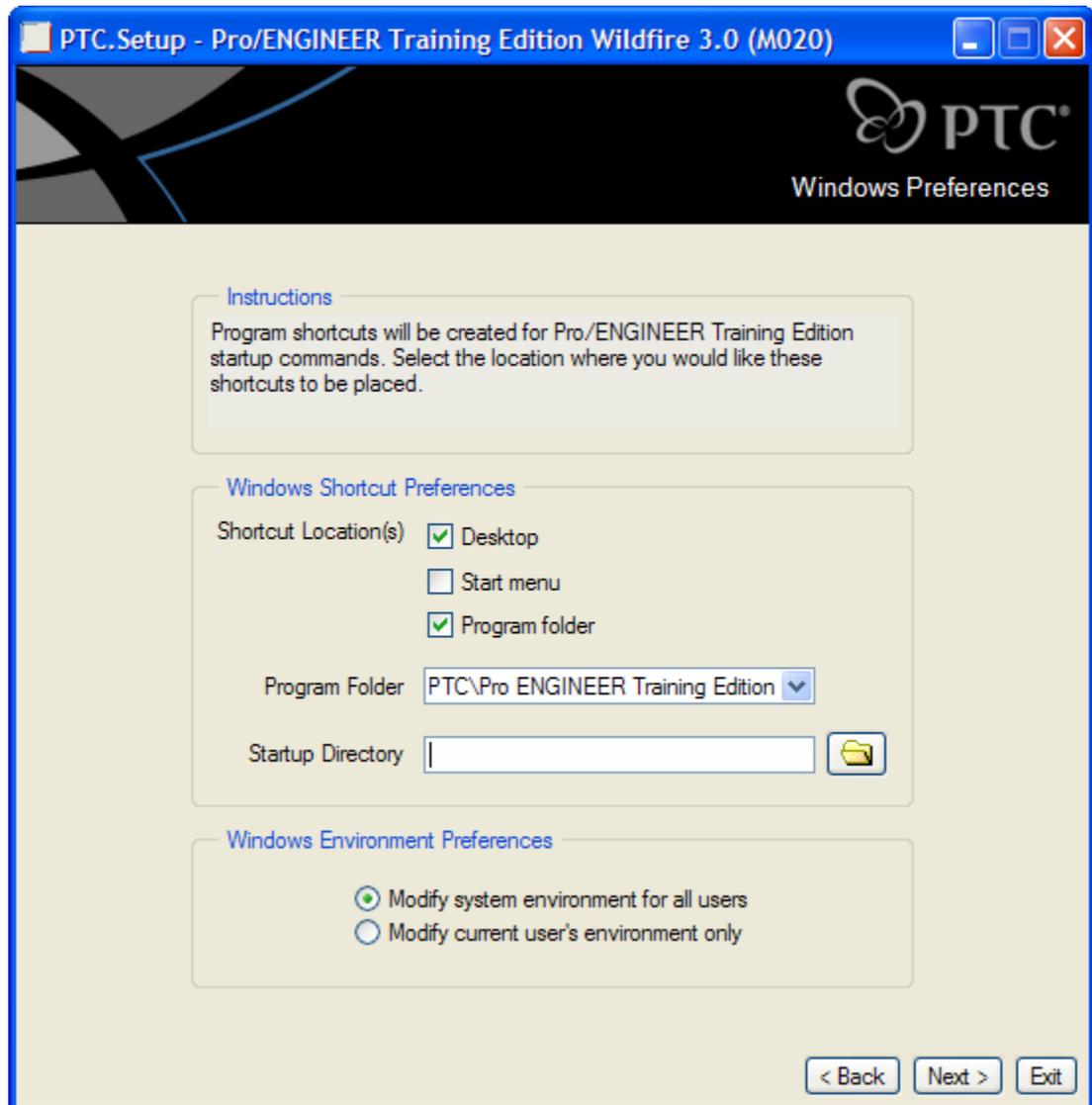


Destination Folder	<p>C:\Program Files\ProENGINEER Training Edition. To change this default location, type another path, or click Browse to select another path.</p> <p>PTC strongly recommends a new installation. The path cannot be an existing PTC directory, or PTC.Setup assumes you are trying to update or reconfigure Pro/ENGINEER Training Edition.</p>
Platforms	<p>The only platform available in Pro/ENGINEER Training Edition is i486_nt. This option is the default.</p>
Languages	<p>Check any additional languages for installation. Additional language packs require more hard drive space.</p>
Pro/ENGINEER (default)	<p>Keep this component to install the files necessary to run the software for Pro/ENGINEER Training Edition.</p>

- When finished specifying the installation directory, click **Next**. The **Windows Preferences** screen appears.

Defining Windows Preferences

1. In the **Windows Preferences** screen shown below, you define your Windows preferences.



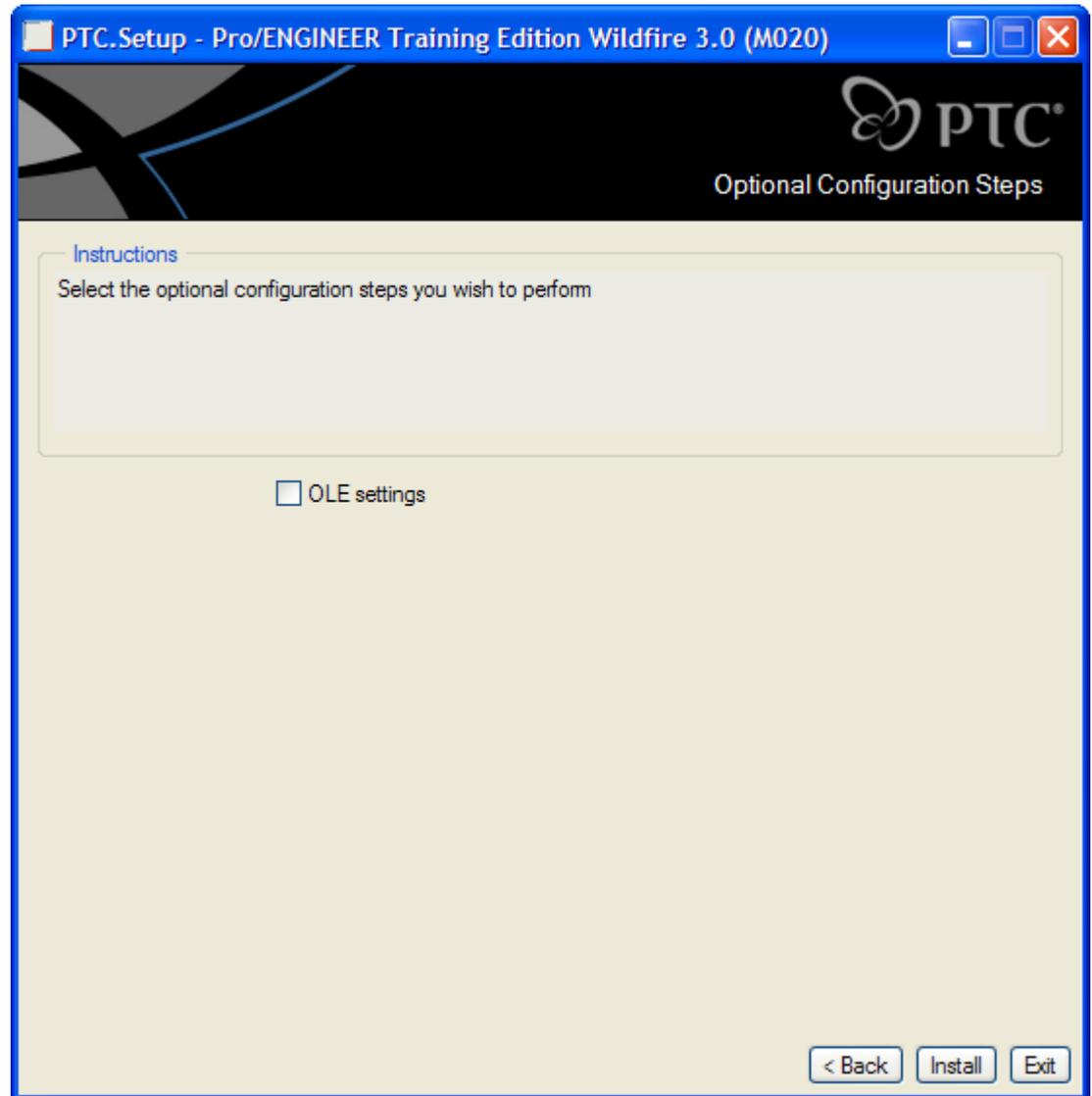
2. Select your **Shortcut Locations**.
3. In the **Startup Directory** text box, type the full path for the location of the shortcuts.
4. Under **Windows Environment Preferences**, choose to modify the system environment for all users or the current user.
5. Click **Next**. The **Optional Configuration Steps** screen appears.

Configuring the OLE Settings

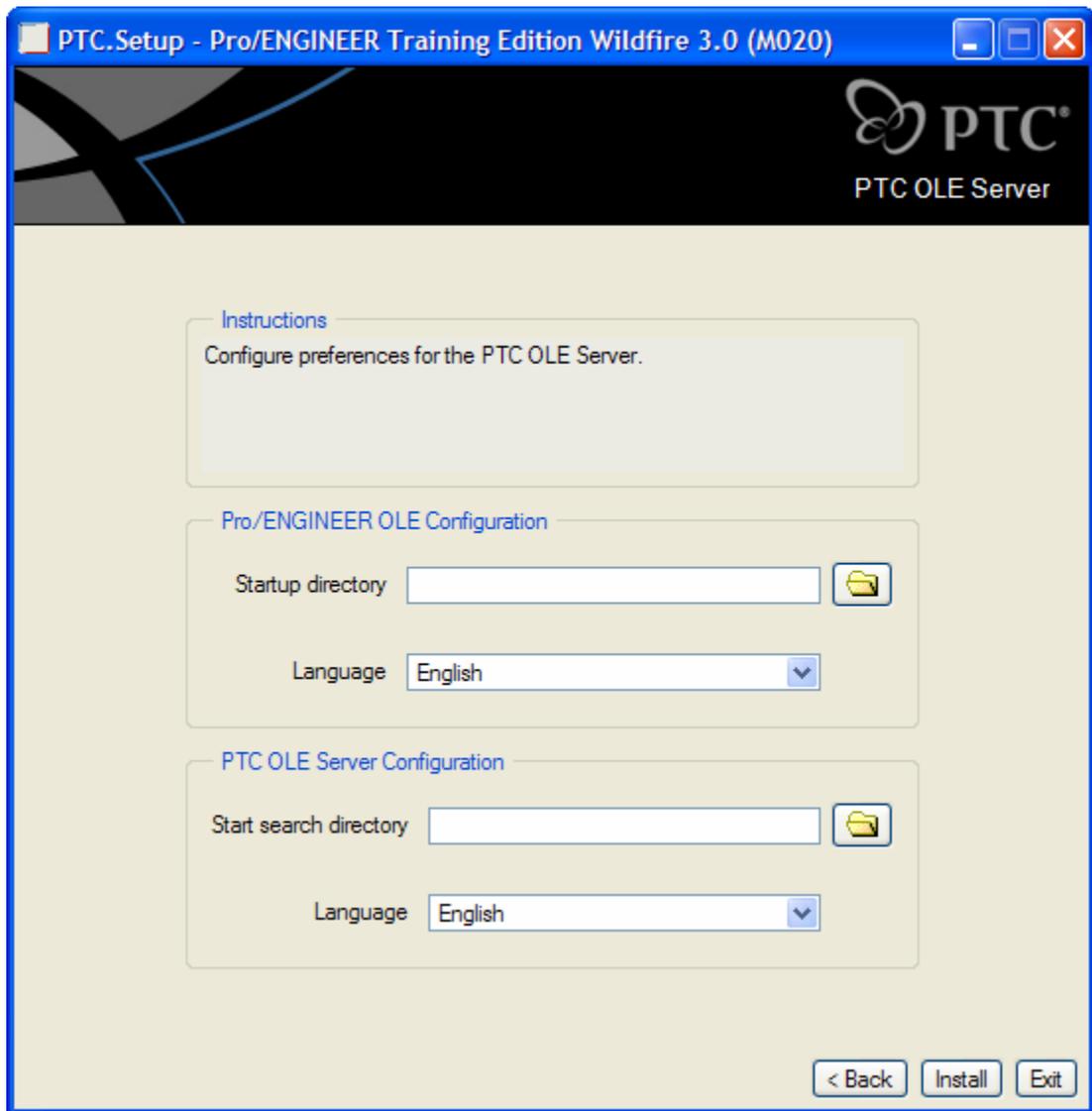
Use the **OLE settings** checkbox to configure Pro/ENGINEER Training Edition as an OLE (Object Linking and Embedding) Server. With this setting, you can import Pro/ENGINEER files (parts, assemblies, and drawings) into Microsoft documents (Word, Excel, and PowerPoint). You cannot import Microsoft files into Pro/ENGINEER.

If you choose not to use OLE settings, skip to the next section.

The **Optional Configuration Steps** screen below is open from the last step in the previous section. Proceed with the configuration for OLE settings.



1. Select the **OLE settings** check box to customize your installation.
2. Click **Install**. The **PTC OLE Server** screen appears. You can fine-tune the options, although all of the default values work.

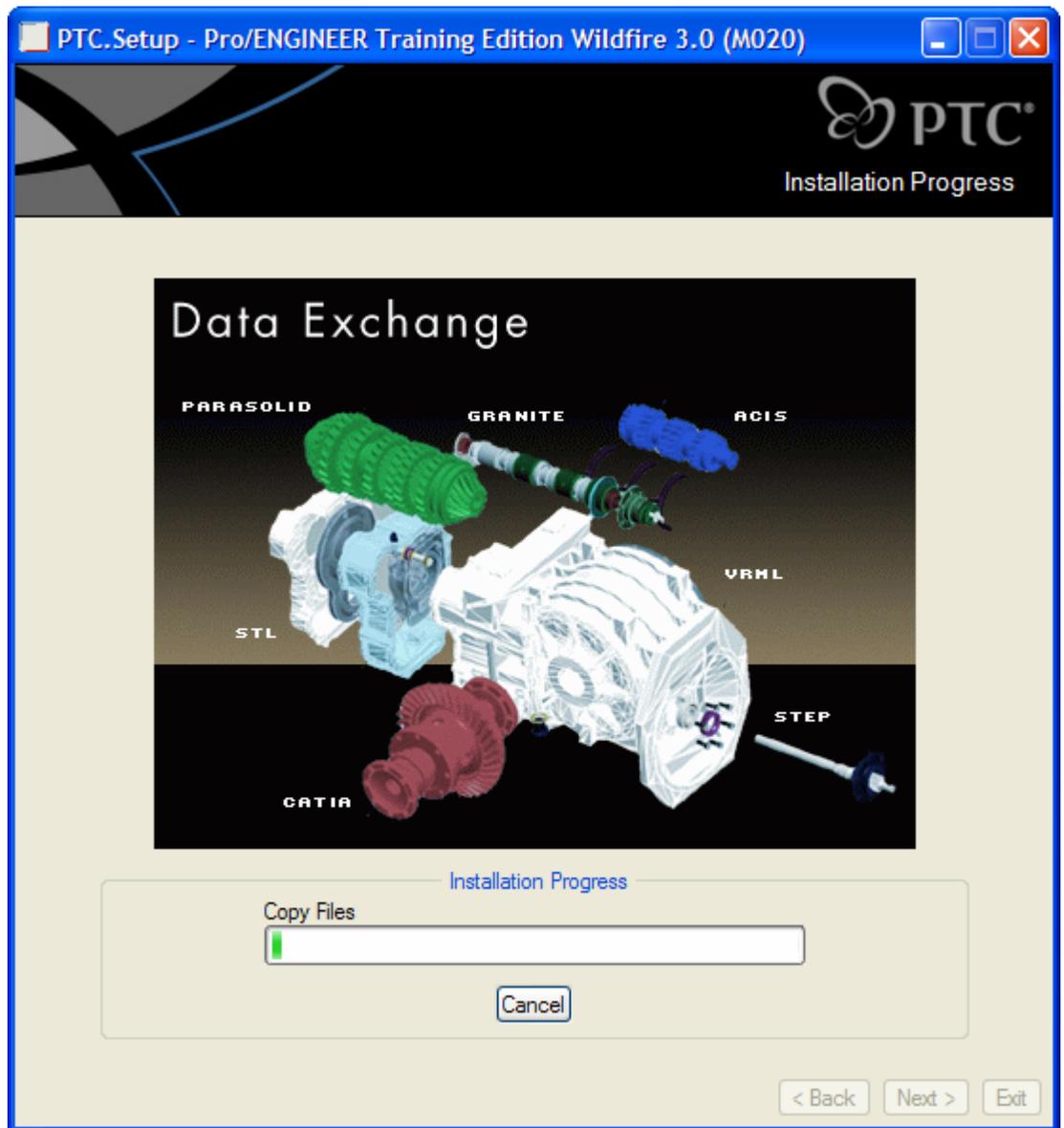


3. In the **Startup directory** text box, enter the full path to the Pro/ENGINEER directory. Typically, this is the Pro/ENGINEER working directory.
4. From the **Language** list, choose your language if other than the given language.
5. In the **PTC OLE Server Configuration**, enter the startup directory of the PTC OLE Server. The Microsoft application (PTC OLE Container) searches for PTC objects in this directory.
6. In the **Language** text box for the server, keep the language or choose another.

Completing Pro/ENGINEER Configuration and Installation

You have almost completed the Pro/ENGINEER installation. To proceed, click one of the following commands:

- Click **Back** to review information.
- Click **Install** to continue installation.
- Click **Exit** to stop the installation.



When Pro/ENGINEER stops, click **Exit**.

Congratulations! You can now use Pro/ENGINEER Wildfire 3.0 Training Edition.

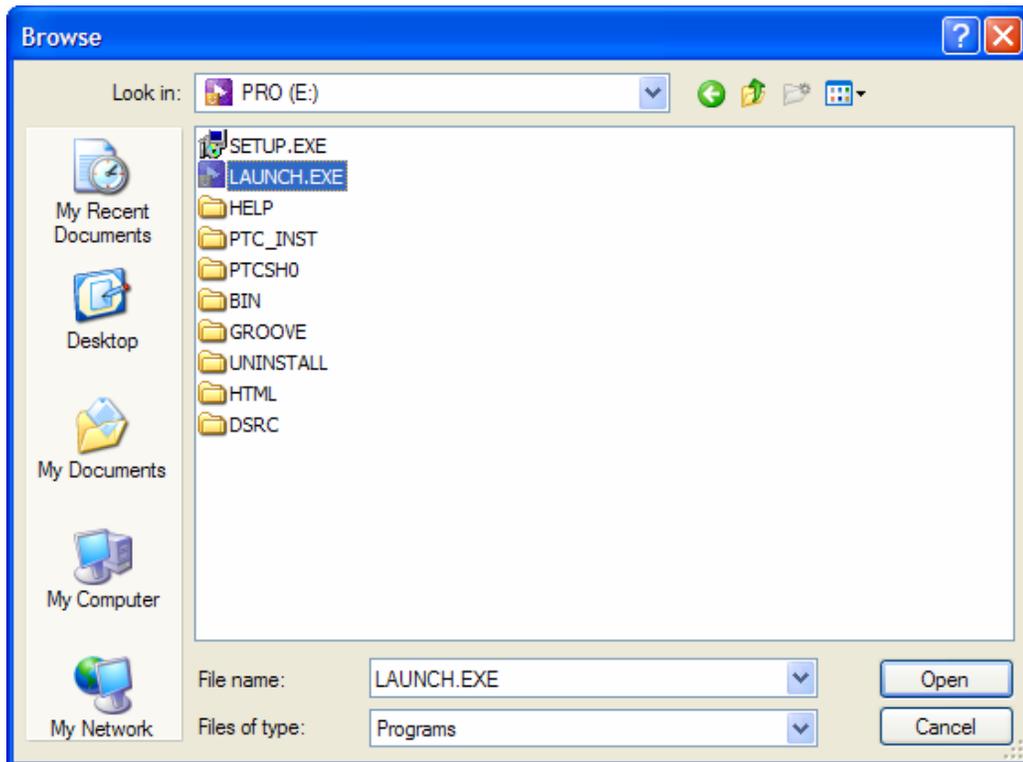
Troubleshooting

Common questions and answers can help you get up and running with your Pro/ENGINEER Training Edition.

Setup did not begin when I inserted the CD. What do I do?

If PTC.Setup does not begin automatically, follow these steps:

1. Click **Start > Run** on the Windows task bar. The **Run** dialog box opens.
2. Click **Browse**. The **Browse** dialog box opens.



3. For the **Look in** list box, click the down-arrow and select your CD-ROM drive.
4. Click **LAUNCH.EXE** in the **File name** box.
5. Click **Open** in the **Browse** dialog box. After the path appears in the **Run** dialog box, click **OK**. The **Training Edition** starting screen appears.

How do I locate my computer's Host ID?

The Pro/ENGINEER Training Edition license is locked to the Host ID, which is the network physical address of your computer. You can find out your Host ID during installation or from the **Start** menu.

During Installation

The Host ID appears in the bottom-left corner of the first screen during Pro/ENGINEER installation.

1. Insert your Pro/ENGINEER Training Edition CD-ROM in to the CD-ROM drive of the computer on which you want to install Pro/ENGINEER.
2. Start PTC.Setup as described in the section Installing PRO/ENGINEER Training Edition.
3. On the first installation screen, in the lower-left corner, you will see a 12-digit number on the second line similar to that in the figure below.

```

Hostname: computerName
PTC HostID: 00-00-03-D6-28-39

```

The 12-digit number with hyphens is your Host ID.

From the Start Menu

The Host ID appears when you enter the `ipconfig/all` command from a DOS window.

1. Click **Start > Run**, type `cmd`, and press ENTER.)
2. At the prompt, type `ipconfig/all` and press ENTER. The Windows IP Configuration information appears.
3. Locate the line with the words *Physical Address*. The 12-digit number with hyphens is your Host ID.

Physical Address. : 00-11-22-33-44-55

What does the error in plpfhost mean?

A `plpfhost` error can occur for one of two reasons:

- A required Ethernet network adapter is not installed or configured properly. See your hardware vendor for installation and configuration information.
- Media Sense within Windows 2000 causes the PTC Host ID (Ethernet network adapter address) to not be detected. It disables the network card. Use the instructions in the Windows 2000 document Q239924 to disable media sensing.

Why does my Training Edition not start?

If your computer was upgraded from Windows 95/98/Me to Windows 2000/XP, the variable `winbootdir` could have been preserved rather than deleted. Delete the `winbootdir` variable and your Pro/ENGINEER Training Edition will start.

How do I disable Media Sense for TCP/IP in Windows 2000?

To disable Media Sense for TCP/IP in Windows 2000, see the article from Microsoft:

<http://support.microsoft.com/default.aspx?scid=kb;EN-US;q239924>

What does the message “Could not detect network adapter” mean?

See your hardware vendor for information on installing and configuring the network adapter if you get this message: `Could not detect network adapter`. An Ethernet network adapter is required to start the Pro/ENGINEER Training Edition.

Why does Pro/ENGINEER not find the load point at startup?

If you get the message `Cannot Find <Loadpoint>\i486_nt\filename`, the `PATH` environment variable for the Pro/ENGINEER load point is either is not set or is incorrect. You may have a syntax or spelling error. To correct this, follow these steps:

1. Click **Start > Settings > Control Panel**. (For Windows XP, click **Start > Control Panel**). The Control Panel appears.
2. Double-click **System**. (XP users, if you do not see **System** in the **Control Panel**, click **Switch to Classic View** in the upper-right corner.)
3. Click the **Advanced** tab and click **Environment Variables**. The **Environment Variables** page appears.

4. Look under **System variables** for the variable PATH. Check to see if PATH contains <loadpoint>\bin. (All values are separated by a semicolon. Therefore, if there are other paths before and after Pro/ENGINEER, the Pro/ENGINEER path will have semicolons both before and it).

Note: The load point is the directory into which Pro/ENGINEER was installed. If you accepted the default location, then your load point will be C:\Program Files\ProENGINEER Training Edition. If you installed Pro/ENGINEER into a directory other than the default load point, you must reflect that change.

5. Between the semicolons, fix the PATH variable to the correct location of your load point.

Why does my computer select a wrong network connection?

If your computer automatically selects the wrong network connection, for example, WiFi instead of your preferred land-line connection, your computer is most likely using Media Sensing. Consider disabling Media Sensing. For information on how Media Sensing works and how to disable it, see the following link:

<http://support.microsoft.com/default.aspx?scid=kb;EN-US;q239924>.

Note: Ethernet cable 10b2 or coaxial cable RG-58 is not a connection-based media. Windows does not attempt to detect a connect state if this type of cabling is used. Also, NetBEUI and IPX do not recognize Media Sense.

Examples of some side effects exist for disabling the Media Sensing feature follow.

- Your computer has two network adapters, and the Media Sensing feature is enabled. If one network adapter does not work, it is unbound, and associated routes are removed. As a result, all traffic goes through the other network adapter, assuming a default gateway is there.
- You are a roaming (portable) user. With the Media Sensing feature, you can connect to any network and have everything work, without restarting, releasing and renewing, and so on. After disabling Media Sensing and restarting your computer, Windows still shows the Network Disconnected icon on the task bar. In addition, the ipconfig command still shows a Media State: Cable Disconnected message when the cable is disconnected. However, the Network Interface is bound to TCP/IP. You can verify this by looking at the route table. Use the route print command to show the interface IP address. (You can also use the ping command to get the IP address assigned to the NIC).

Why is the wrong Host ID displayed on Windows 2000?

The wrong Host ID is displayed when a Windows 2000 computer is not physically connected to the network. The Ptcstatus utility shows the license server up with available licenses before Pro/ENGINEER is started. As a result, a Pro/ENGINEER licensing error occurs. Ptcstatus displays COUNTED after attempt to run Pro/ENGINEER.

Ptclmgrd.log shows the wrong \Host ID. When a machine is booted off the network, the registry shows the network cards in an incorrect order at the following path:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\NetworkCards
```

When you connect to the network, the order of the cards is correct when the network card that goes with the generated FLEXnet license is in the first folder. When you are

disconnected from the network, the network card folders must be put in the correct order.

This issue is related to the Media Sensing feature of Windows 2000. Disabling the Media Sensing resolves the issue. For more information on Media Sensing, see <http://support.microsoft.com/support/kb/articles/Q239/9/24.ASP>.