



Pointwise Quick Installation

Copyright © 2010 Pointwise, Inc.

All rights reserved.

Pointwise, Inc. reserves the right to make changes in specifications and other information contained in this document without prior notice.

ALTHOUGH DUE CARE HAS BEEN TAKEN TO PRESENT ACCURATE INFORMATION, POINTWISE, INC. DISCLAIMS ALL WARRANTIES WITH RESPECT TO THE CONTENTS OF THIS DOCUMENT (INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE), EITHER EXPRESSED OR IMPLIED. POINTWISE, INC. SHALL NOT BE LIABLE FOR DAMAGES RESULTING FROM ANY ERROR CONTAINED HEREIN, INCLUDING, BUT NOT LIMITED TO, FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR IN CONNECTION WITH, THE USE OF THIS DOCUMENT.

Pointwise, Inc.
213 S. Jennings Ave.
Fort Worth, Texas 76104-1107, USA

Phone: (817) 377-2807
Toll free: (800) 4PTWISE
Fax: (817) 377-2799

Email: support@pointwise.com
URL: <http://www.pointwise.com>

Notice: The terms of the agreement under which you are acquiring the right to use the software include the "Right to Use License" attached hereto or accompanying the software. Your purchase, license, receipt or use of the software constitutes your acceptance of all the "Right to Use License."

Pointwise, Gridgen, and Get the Point are registered trademarks and GridgenGlyph and PointwiseGlyph are trademarks of Pointwise, Inc.

Pointwise® uses the Qt® toolkit from Qt Software, a subsidiary of Nokia Corporation. Nokia, the Nokia logo, Qt®, and the Qt logo are trademarks of Nokia Corporation and/or its subsidiaries in Finland and other countries. FLEXnet is a registered trademark of Acreo Software in the United States and/or other countries. Pointwise® uses HDF5 from the HDF Group. Pointwise® uses Thread Building Blocks (TBB) from Intel Corp., licensed under the Gnu Public License V2 with the runtime exception. Intel® is a registered trademark of Intel Corporation in the United States, other countries, or both. Pointwise® uses the TetMesh-GHS3D tetrahedral mesher, Copyright © DISTENE S.A.S./INRIA.

FIELDVIEW and FVX are trademarks of Intelligent Light. FIELDVIEW Unstructured format Copyright © 1996-2009 Intelligent Light. Used by Permission. FIELDVIEW Unstructured format is intended for the exclusive use of the licensors of FIELDVIEW from Intelligent Light. PATRAN is a registered trademark of The MSC Software Corporation. NASTRAN is a registered trademark of NASA. ANSYS FLUENT is a trademark of ANSYS. Star-CD is a trademark of CD-adapco. ANSYS CFX is a registered trademark of ANSYS. OPENFOAM® is a registered trademark of OpenCFD Limited.

OpenGL® and the oval logo are trademarks or registered trademarks of Silicon Graphics, Inc. in the United States and/or other countries worldwide. LINUX is a trademark of Linux Torvalds. REDHAT is a registered trademark of Red Hat, Inc. Microsoft and Windows are registered trademarks of Microsoft Corp. UNIX and XWindow System are registered trademarks in the U.S. and other countries, licensed exclusively through the X/Open Company Limited. Mac and Mac OS are registered trademarks of Apple Computer, Inc. All other registered and unregistered trademarks are properties of their respective owner.

RIGHT TO USE LICENSE

1. DEFINITIONS.

(a) "Licensed Software" means any computer program(s) supplied by Pointwise, Inc. (PWI) to Licensee under a valid Purchase Order or Contract, whether in object code, reconfigurable binary, or any other form; video media and training aids; and any backup or other copies, updates, derivative works, modifications, enhancements, and extensions thereof.

(b) "Documentation" means user manuals, documentation binders, release notes, installation notes, written utility programs and other written or graphic materials related to the Licensed Software and all copies thereof.

(c) "Licensed Product(s)" means the Licensed Software and Documentation.

(d) "Maintenance Period" means the first calendar year of a perpetual license or 12 months for an annual license.

2. LICENSE.

PWI grants to Licensee a non-exclusive, non-transferable license to use the Licensed Products in accordance with the terms and conditions set forth herein. As long as this License is in effect, Licensee may transfer its use of the Licensed Products to a replacement computer system on a temporary or permanent basis, provided that Licensee gives PWI written notice of such transfer.

3. TERM and FEES.

The Term of the Right to Use License is annual or perpetual, as set forth in the Purchase Order or Contract, provided that the License has not been terminated as set forth in Section 10.

All applicable fees are payable to PWI within thirty (30) days from Invoice Date. Failure to pay such fees in a timely manner is a material breach of this License. Licensee agrees to pay any legal or collection fees incurred by PWI in collecting any amounts that may be delinquent.

4. COPIES and MODIFICATIONS.

Licensee may copy the Licensed Products in whole or in part, in written or machine readable form for use in understanding the Licensed Software and for archive or backup purposes. Licensee shall reproduce and

include PWI's trade secret or copyright notices on and in any copies, in any form. Licensee shall not reverse assemble, reverse compile or otherwise reverse engineer the Licensed Software in whole or in part.

The License includes the right to reproduce the Licensed Software's documentation exclusively for the use of Licensee and its employees only. All other reproduction and distribution is strictly prohibited.

5. OWNERSHIP.

All Licensed Products and the information they contain, any updates and all copies of them are PWI's or PWI's licensors' property, and title to them remains in PWI or such licensors. All applicable rights in patents, copyrights or trade secrets in the Licensed Products are and will remain in PWI and PWI's licensors. No title to or ownership of the Licensed Software or the information they contain is transferred to Licensee. Licensee agrees that any terms and conditions imposed by PWI's licensor and communicated by PWI to Licensee by PWI, shall apply to the Licensed Products.

6. CONFIDENTIALITY.

(a) Licensee will take all reasonable precautions to maintain the confidentiality of the Licensed Products, and agrees to take all reasonable and necessary steps to protect the patents, trademarks, copyrights, trade secrets and any other forms of intellectual or industrial property of PWI in the Licensed Products.

(b) Licensee will not provide the Licensed Products to any person, other than employees of Licensee, without PWI's prior written consent, except during the period any such person is on Licensee's premises with Licensee's permission for purposes specifically related to Licensee's use of the Licensed Products.

7. COPYRIGHT AND PATENT INDEMNITY.

PWI assures Licensee that, to the best of PWI's knowledge, the Licensed Products do not infringe any patent, copyright, trademark or trade secret. In the event any legal proceedings are brought against Licensee claiming an infringement of a patent, copyright, trademark or trade secret based on Licensee's use of the Licensed Products, PWI agrees to

defend at PWI's own expense any such legal proceeding relating to such claim or claims and to hold Licensee harmless from any damage incurred or awarded as the result of settlement or judgment against Licensee, provided Licensee gives PWI prompt written notice within fifteen (15) days of any such claim or the institution of any such claims against Licensee, and further, Licensee cooperates completely with PWI in providing all necessary authority, information, and reasonable assistance to enable PWI, at PWI's option, to settle or defend such claims.

8. U.S. EXPORT COMPLIANCE AND INDEMNITY

Licensee agrees to comply fully with all U.S. export laws and regulations concerning the purchase and sale of Licensed Software. In particular, Licensee agrees that any Licensed Software purchased from PWI shall not be exported, re-exported, transferred, used, sold, resold, delivered, diverted, or retransferred, directly or indirectly, contrary to United States government export control laws, regulations, policies, and executive orders.

Without limiting the foregoing, any PWI Licensed Software is prohibited for export, re-export, or transfer to embargoed countries of **Cuba, Iran, North Korea, Sudan, and Syria**, as well as to persons, organizations, entities, or end-users listed on U.S. government denial lists published by the U.S. Departments of Commerce, Treasury, or State. Additionally, absent an authorization from the U.S. government or as permitted under the Export Administration Regulations, the Licensed Software is prohibited for export, re-export, or transfer to any person or entity which will use it for end-uses proscribed by U.S. export control regulations, including certain chemical and biological weapons, missiles, rocket systems and unmanned aerial vehicles, nuclear activities, maritime nuclear propulsion, and terrorism-related activities.

Licensee also agrees to indemnify PWI for any costs, including but not limited to penalties, damages, claims, demands, losses, or attorney's fees and costs, that PWI may incur as a

result of any potential or actual violation of this provision by Licensee.

9. LIMITATION OF WARRANTY AND LIABILITY.

PWI warrants that the Licensed Products will perform substantially in accordance with all written specifications furnished to Licensee by PWI if properly used. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, PWI DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH REGARD TO THE LICENSED PRODUCTS. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL PWI BE LIABLE TO LICENSEE OR ANY PARTY FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS INFORMATION, OR ANY OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OF OR INABILITY TO USE THE LICENSED PRODUCTS EVEN IF PWI HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND REGARDLESS OF THE FAULT OR NEGLIGENCE OF PWI. PWI's liability to Licensee for damages shall not exceed the amount of the license fee paid by Licensee to PWI. PWI will hold Distene harmless for and against any claims arising out of or resulting from the use of the Licensed Software with TetMesh-GHS3D as an included option.

10. MAINTENANCE AND SUPPORT.

(a) PWI will be responsible for providing corrections for programming errors and periodic software updates only during the Maintenance Period and during any period when the Licensee is covered by a Maintenance Agreement from PWI or an authorized representative of PWI. The specific policy for software updates and enhancement varies on a per product basis. PWI warrants that during the term of this License it will use reasonable efforts to remedy defects in the unaltered Licensed Software made known to it by Licensee. PWI does not warrant that the Licensed Products will meet all requirements of Lic-

ensee, or that the operation of the Licensed Software will be uninterrupted or error free, or that all software defects will be corrected.

(b) During the Maintenance Period, PWI agrees to telephone hot-line support available to Licensee. These services may be provided by PWI or a designated third party.

11. TERMINATION.

Licensee may terminate this License upon thirty (30) days written notice to PWI. PWI may terminate this License for any material breach by Licensee of the terms and conditions contained herein upon thirty (30) days written notice to Licensee. Licensee will have thirty (30) days from the date of such notice to cure the breach, and if the breach is cured to the satisfaction of PWI, this License will remain in full force and effect.

Upon termination, Licensee shall promptly: (i) discontinue use of the Licensed Products; (ii) remove the Licensed Products from any software in Licensee's possession or control that incorporates or uses the Licensed Products in whole or in part; (iii) erase or destroy any of the Licensed Products contained in the computer memory or data storage apparatus under the control of Licensee. Licensee's obligations under Section 6 shall survive any termination of this License.

12. GENERAL TERMS.

The entire agreement between the parties is contained herein and in a valid Purchase Order or Contract, which supersedes all proposals, oral or written, and all other communications between the parties relating to this Agreement and it may be executed in any number of counterparts, each of which shall constitute an original, and all of which taken together shall constitute one and the same Agreement. This Agreement is not assignable by Licensee without prior written permission from PWI. The section headings and subheadings herein are for convenience only and shall not affect the interpretation or construction of this Agreement. PWI shall not be liable for any failure or delay in performance due in whole or in part to any cause beyond PWI's control.

This Agreement and all transactions under it

shall be governed by the laws of the State of Texas. All claims arising under or related to this Right to Use License, Purchase Order or Contract shall be settled finally and exclusively by arbitration in accordance with the Commercial Arbitration Rules of the American Arbitration Association (AAA).

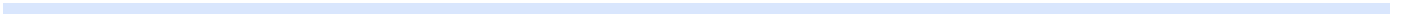
Arbitration shall take place in Dallas, Texas and be administered by the AAA's Dallas, Texas office.



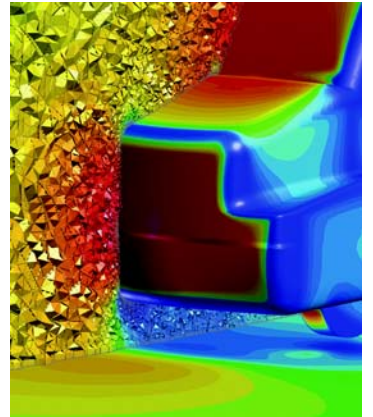
Quick Installation

Table of Contents

System Requirements	1.1
Overview	1.2
All Platforms	1.2
Windows	1.2
Linux	1.2
Mac	1.3
Windows/Linux/Mac Install	2.1
Overview	2.2
Download and Extraction	2.2
Obtaining Your License File (Windows)	2.3
Obtaining Your License File (Linux/Mac)	2.4
Configure and Start the Pointwise License Server (Windows)	2.4
Configure and Start the Pointwise License Server (Linux/Mac)	2.5
Running Pointwise	2.5
Silent Installations (Windows/Linux)	2.5
Running Pointwise with a LAN or Remote Server	2.6
Transitioning to a New License Server	2.6



System Requirements



1.2 Pointwise Quick Installation Guide

Overview

This document provides the minimum system requirements for the platforms and operating systems supported by the Pointwise grid generation software.

All Platforms

The following minimum requirements are needed to install and run Pointwise on any supported platform:

- 256 Mbytes RAM
- 100 Mbytes disk space
- OpenGL capable color display
- Ethernet card
- 3D hardware accelerated OpenGL graphics
- 24-bit RGB, double-buffered graphics
- 1280x1024 resolution

Windows

Pointwise supports Windows on both AMD and Intel.

Minimum Requirements	
Operating Systems	Windows 7, Vista, Vista x64, XP

Linux

Pointwise supports Linux on both AMD and Intel.

Minimum Requirements	
Operating Systems	Red Hat Enterprise Linux 4
Architecture	x86 (for 32-bit Pointwise) x86_64 (for 64-bit Pointwise)
Library Packages	libstdc++-3.4.5-2 glibc-2.3.4-2.19 libgcc-3.4.5-2 libf2c3.4.6 or compat-libf2c-34-3.4.6 (for 32-bit Pointwise) xorg-x11-libs-6.8.2-1.EL.13.25.1

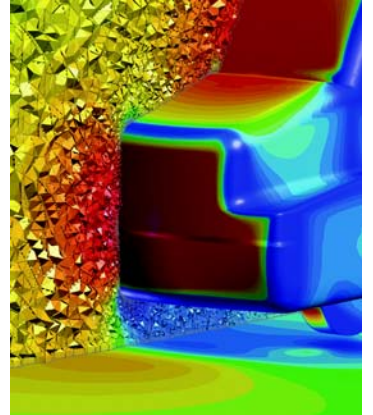
Mac

Pointwise supports the following Mac configurations:

Minimum Requirements	
Operating System(s)	OS X Tiger (V10.4) or higher
Architecture	Power PC, Intel Mac

1.4 Pointwise Quick Installation Guide

Windows/Linux/Mac Install



2.2 Pointwise Quick Installation Guide

Overview

This document provides instructions for installing the Pointwise grid generation software on Windows, Linux, and Mac platforms. For Windows and Mac platforms, users will need to be Administrator (or Root) to install Pointwise.

Download and Extraction

Follow these instructions if you are installing Pointwise for the first time or alongside existing Pointwise installations. Please note that if the workstation on which you are installing Pointwise is also your license server, you will need to take some additional steps before beginning installation. Please see the [Transitioning to a New License Server](#) section for more details.

Note: If installing from CD instead of download, you will need to copy the file in Step 1 from the CD's root directory into a temporary directory and proceed to Step 2.

1. Using your internet browser, go to <http://www.pointwise.com/downloads>. Download the following file to a temporary directory based on your platform:

Platform	File
Windows 32-bit	pw-win32.exe
Windows 64-bit	pw-win64.exe
Mac OS X	pw-macosx.zip
Linux 32-bit	pw-linux.bin
Linux 64-bit	pw-linux-x86-64.bin

2. Start the installation process by performing the following actions for your platform from the temporary directory (for silent or background installations, see the section titled [Silent Installations \(Windows/Linux\)](#) below):

Platform	Action
Windows 32-bit	Double-click pw-win32.exe.
Windows 64-bit	Double-click pw-win64.exe
Mac OS X	1. Double-click pw-macosx.zip in the Finder. 2. Double-click PwInst.
Linux 32-bit	Enter <code>sh ./pw-linux.bin</code> in an X11 terminal window.
Linux 64-bit	Enter <code>sh ./pw-linux-x86-64.bin</code> in an X11 terminal window.

3. The Pointwise installation screen will appear to guide you through the remainder of the process. The first screen that appears will be the *Introduction*. You will be asked to quit other programs before continuing with installation. Press *Next* to continue with the installation.
 4. If you already have versions of Pointwise (V16.02 or higher) installed on your workstation, the *Uninstall Prior Versions* screen will appear. If you wish to uninstall any of the existing versions, you will have to select *Yes* prior to installing the new version or *No* to install the new version alongside existing versions.
-

- Selecting *Yes* will take you to the *Uninstall Pointwise* screen. Press *Next* to choose what you wish to uninstall. If you choose *Complete Uninstall*, all versions of Pointwise will be removed. If you choose *Uninstall Specific Features & Versions*, you will be prompted to select which versions of Pointwise should be uninstalled before proceeding. Press *Uninstall* to begin removal.
 - Selecting *No* will result in the new version of Pointwise being installed in a directory parallel to versions of Pointwise already installed on your workstation.
5. The Pointwise Right to Use License Agreement will be displayed next. If you wish to proceed with installation, toggle on *I accept the terms of the license agreement*. Press *Next* to continue with the installation. Otherwise, press *Cancel* to exit installation.
 6. You will next need to select which set of components you wish to install from the following three options:
 - Complete - This option will install both Pointwise and its FLEXnet license management software. This option is recommended for most users.
 - Pointwise - This option will install only Pointwise and its associated documentation. No FLEXnet license management software or utilities will be installed.
 - License Manager - This option will only install the FLEXnet license management software.
 Press *Next* to confirm your selection.
 7. In the *Choose Install Folder* screen you can use the default installation directory displayed or use the *Choose...* option to browse for a different installation directory. Note that the directory specified will be referred to as *pwi_home_path* in the following sections. Press *Next*.
 8. Review the *Pre-Installation Summary* screen to ensure that all of the options that were chosen in previous steps are correct. Press *Install* to start the installation. This will begin the process of extracting and copying the Pointwise files to the installation directory previously specified.
 9. When Pointwise has been successfully installed, press *Done* to finish the installation.

Now that you have Pointwise installed, you will need to have access to a license server in order to run it. There are two primary methods that may be used:

- Pointwise can be set up to look either on your local area network (LAN) for a specific server name to access an existing Pointwise license server or it can be pointed at a remote server. More details can be found in the [Running Pointwise with a LAN or Remote Server](#) section.
- A Pointwise license server can be configured and started locally on your workstation. The following sections outline the steps necessary to set up a new server.

Obtaining Your License File (Windows)

The Pointwise license file contains alpha-numeric codes which determine how many users can simultaneously execute Pointwise and the expiration date through which the license is valid. To obtain your license file on a Windows platform, you will need to use the following steps:

1. Run the Pointwise LMTOOLS utility to get your server information by going to *Start, All Programs, Pointwise, License Management, lmtools*. Click on the *System Settings* tab.
2. Take the information from the *Computer/Hostname* and *Ethernet Address* fields and submit them as your *Hostname* and *Host ID* respectively at <http://www.pointwise.com/licenses/>. Note a valid host name can be formed by any characters between ASCII 32 (0x20) and 255 (0xFF), except *< > : / \ | * ?*". Be sure to include your Customer ID with your license request.
3. Once you receive your license file from Pointwise, save it as *pointwise_flexnet.lic* in the *pwi_home_path/licenses/* directory.

2.4 Pointwise Quick Installation Guide

Obtaining Your License File (Linux/Mac)

The Pointwise license file contains alpha-numeric codes which determine how many users can simultaneously execute Pointwise and the expiration date through which the license is valid. To obtain your license file on a Linux or Mac platform, you will need to use the following steps:

1. Run the shell script called `LICENSE_CONTROL.SH` from `pwi_home_path` to get your server information. Run it using the following command at the command prompt:

```
sh ./LICENSE_CONTROL.SH
```

2. You should see output similar to the following appear below the prompt:

```
Current settings:
```

```
Hostname                : xenia.pointwise.com
Pointwise license host ID : 000d605313b2
* Pointwise installed license file : (missing)
```

3. Submit the *Hostname* and *Pointwise license host ID* seen under *Current Settings* at: `http://www.pointwise.com/licenses/`. Note a valid host name can be formed by any characters between ASCII 32 (0x20) and 255 (0xFF), except `< > : / \ | * ?`. Be sure to include your Customer ID in your submission.
4. Once you receive your license file from Pointwise, run the `LICENSE_CONTROL.SH` shell script again.
5. Select option *f) Import License*.
6. Enter the current location (using the full path and filename) of the license file you received from Pointwise. The script will import your file to the appropriate location.

Configure and Start the Pointwise License Server (Windows)

1. You are now ready to setup your Pointwise server. You will need to go back to the LMTOOLS utility to do this. Please go to *Start, All Programs, Pointwise, License Management, lmtools*.
 2. Select the *Config Services* tab.
 3. In the *Service Name* field, enter *Pointwise Server*.
 4. In the *Path to the lmgrd.exe file* field, select *Browse*. Use the file browser to go to `pwi_home_path\flexnet\win32` (or `pwi_home_path\flexnet\win64` for a 64-bit Pointwise installation). Select the file *lmgrd.exe* and press *Open*. This will place the full path to the file in the *Path to the lmgrd.exe file* field.
 5. In the *Path to the license file* field, select *Browse*. Use the file browser to go to `pwi_home_path\licenses\`. Select the file *pointwise_flexnet.lic* and press *Open*. This will place the full path to the file in the *Path to the license file* field.
 6. In the *Path to the debug log file* field, select *Browse*. Use the file browser to go to `pwi_home_path\licenses\`. Enter the filename *pointwise_flexnet.log* and press *Open*. This will place the full path to the new log file in the *Path to the debug log file* field.
 7. Check the box *Use Services*.
 8. Check the box *Start Server at Power Up*.
 9. Press *Save Service*.
 10. Press *Yes* when asked if you want to save the settings for the service called *Pointwise Server*.
 11. Select the *Start/Stop/ReRead* tab in the LMTOOLS utility.
 12. Press *Start Server*.
-

Configure and Start the Pointwise License Server (Linux/Mac)

1. To start the Pointwise license server, you will first need to run the shell script called `LICENSE_CONTROL.SH` from `pwi_home_path`. Run it using the following command at the command prompt:

```
sh ./LICENSE_CONTROL.SH
```

2. Select option *c) Start*.
3. Enter the complete path and filename of the logfile you wish to use for the Pointwise server. We recommend that you use the following path and filename: `pwi_home_path/licenses/pointwise_flexnet.log`. This will make it easier to find your log file should you encounter any trouble with your server
4. Your Pointwise license server should now be running. If you would like to check the status of the server, choose option *e) Check Status*. If your server is running you should see two messages indicating that both your license manager daemon, `LMGRD`, and your vendor daemon, `PWID`, are UP.
5. Select option *x) Exit* to exit the `LICENSE_CONTROL.SH` script.

Running Pointwise

Once you have a license server available, you can run Pointwise by one of the following methods:

Windows

- Select *Start, All Programs, Pointwise, Pointwise V16, Pointwise V16.03*, or
- Double-click on the Pointwise shortcut on your desktop, or
- Double-click a Pointwise native file (`.pw`) to launch Pointwise automatically with that file, or
- Double-click a Pointwise Glyph script file (`.glf`) to launch Pointwise automatically and run that script.

Linux

- In the `pwi_home_path` directory, use the following command at the command prompt:

```
./pointwise
```

Mac

- Browse in the Finder for `pwi_home_path/Pointwise/`. Double-click on the Pointwise icon.
- In a terminal window, change to the `pwi_home_path/Pointwise/` directory. Execute the following command at the command prompt:

```
open Pointwise
```

Silent Installations (Windows/Linux)

You can perform a silent or background installation by running the platform installer (for example, "`pw-win32.exe`") on the command line with the following options:

- "`platform-installer`" `-r <file>` generates a response file
- "`platform-installer`" `-i silent -f <file>` runs silently while generating a response file on another system

An install log will be generated in the Pointwise folder after completion. Note silent installation is currently not supported on Mac OS X due to a known InstallAnywhere issue.

2.6 Pointwise Quick Installation Guide

Running Pointwise with a LAN or Remote Server

If you will be running Pointwise on a machine that is **not** the Pointwise license server, you will need to do the following:

1. Make sure that your machine is on the same LAN as the Pointwise license server or connected to the server through a VPN connection. You may also access a remote server without a VPN connection by simply ensuring that open ports exist on your workstation and the remote server to enable communication between them.
2. Install Pointwise on your machine using the installation instructions provided above. It will not be necessary to configure or start a Pointwise license server on your machine.
3. Create and set an environment variable that will contain the location of the license server Pointwise should use.

Windows

In *Control Panel, System, Advanced*, create the environment variable PWID_LICENSE_FILE and set it equal to the path to the license file, the license server name, or the license server IP address. If setting PWID_LICENSE_FILE equal to a license server name or IP Address, make sure to place an @ before the name or IP Address. Examples:

- PWID_LICENSE_FILE= @My_Server_Name
- PWID_LICENSE_FILE= @My_Server_IP_Address
- PWID_LICENSE_FILE= C:\Program Files\Pointwise\licenses\pointwise_flexnet.lic

Linux/Mac

Create a new file named *.flexlmrc* in your home directory. In this file, you will need to point your machine at the location of the license file or the Pointwise license server. You can do this by placing **one** of the following lines in the *.flexlmrc* file, making sure that you substitute your own server name, IP address, or license file path:

- PWID_LICENSE_FILE= @My_Server_Name
- PWID_LICENSE_FILE= @My_Server_IP_Address
- PWID_LICENSE_FILE= /usr/local/Pointwise/licenses/pointwise_flexnet.lic

Transitioning to a New License Server

If you currently have a Pointwise license server running on your workstation and wish to move to using a new version of Pointwise, you will need to transition to using the new license server associated with it. The steps within this section will help you to make this transition easily.

If you currently have a Gridgen license server running instead, you will need to stop it by repeating the similar steps in the Gridgen installation directory. Once the existing server is stopped, you are free to install Pointwise and configure the new Pointwise license server.

Stop the Pointwise License Server (Windows)

1. Go to *Start, All Programs, Pointwise, License Management, Imtools*. (Users running V16.01 or prior will find Imtools under *Start, All Programs, Pointwise, Pointwise V16.XX, Imtools*.)
2. Select the service for Pointwise in the Server List field of the *Service/License File* tab. This step is only necessary if there are other services running on your server.
3. Select the *Start/Stop/ReRead* tab in the LMTTOOLS utility.
4. Press *Stop Server*.

Stop the Pointwise License Server (Linux/Mac)

1. Run the shell script called `LICENSE_CONTROL.SH` from `pwi_home_path`. Run it using the following command at the command prompt:

```
sh ./LICENSE_CONTROL.SH
```

2. Select option *d) Stop* to stop the server. If multiple servers are running, you may be asked to specify which server you wish to stop from a list.

Install Pointwise

Now that the license server has been stopped you will need to perform a complete installation of Pointwise and its license management software. Instructions can be found in the [Download and Extraction](#) section of this installation guide.

Move the Pointwise License File

If you had a version of Pointwise prior to V16.02 installed, your license file will need to be moved due to directory structure changes in V16.02. Once it has been moved, your server can be restarted with the latest version of the Pointwise license management utilities.

1. Go to the `licenses/` folder for the previous version of Pointwise installed on your machine. This folder will still exist on your machine due to the fact that it contains a file or files that you created or placed there -- your license and log files.
2. Copy the Pointwise license and log files from the old `licenses/` folder into the `pwi_home_path/licenses/` folder for your new installation.

Reconfigure the Pointwise License Server (Windows)

1. You are now ready to reconfigure your Pointwise server. You will need to go back to the LMTOOLS utility to do this. Go to *Start, All Programs, Pointwise, License Management, Imtools*.
2. Select the *Config Services* tab.
3. In the *Path to the Imgrd.exe file* field, select *Browse*. Use the file browser to go to `pwi_home_path\flexnet\win32` (or `pwi_home_path\flexnet\win64` for a 64-bit Pointwise installation). Select the file `Imgrd.exe` and press *Open*. This will place the full path to the file in the *Path to the Imgrd.exe file* field.
4. In the *Path to the license file* field, select *Browse*. Use the file browser to go to `pwi_home_path\licenses\`. Select the file `pointwise_flexnet.lic` and press *Open*. This will place the full path to the file in the *Path to the license file* field.
5. In the *Path to the debug log file* field, select *Browse*. Use the file browser to go to `pwi_home_path\licenses\`. Enter the filename `pointwise_flexnet.log` and press *Open*. This will place the full path to the new log file in the *Path to the debug log file* field.
6. Make sure the box *Use Services* is still checked.
7. Make sure the box *Start Server at Power Up* is still checked.
8. Press *Save Service*.
9. Press *Yes* when asked if you want to save the settings for the service called *Pointwise Server*.
10. Select the *Start/Stop/ReRead* tab in the LMTOOLS utility.
11. Press *Start Server*.

Reconfigure the Pointwise License Server (Linux/Mac)

On Linux and Mac platforms, you will simply need to start your server using the full path and filename of the license file's new location. To do so, please follow the instructions in the [Configure and Start the Pointwise License Server \(Linux/Mac\)](#) section.

2.8 Pointwise Quick Installation Guide
