



## Setup and Licensing Guide

This guide is intended to assist with setup, installation, licensing, and activation of StructurePoint programs including troubleshooting common issues.

*[Click here to return to the homepage](#)*

*[Click here for Licensing - Network](#)*

*[Click here for Licensing - Standalone](#)*

Neither this manual nor any part of it may be reproduced, edited, transmitted by any means electronic or mechanical or by any information storage and retrieval system, without the written permission of STRUCTUREPOINT, LLC.

All products, corporate names, trademarks, service marks, and trade names referenced in this material are the property of their respective owners and are used only for identification and explanation without intent to infringe. StructurePoint is a trademark of STRUCTUREPOINT, LLC.

---

## Chapter 1: Licensing - Overview

1.1 License Types .....	4
1.2 System Requirements .....	7

## Chapter 2: Licensing - Network

2.1 Introduction.....	9
2.2 Setup & Installation .....	10
2.3 Troubleshooting.....	14

## Chapter 3: Licensing - Standalone

3.1 Introduction.....	17
3.2 Setup & Installation .....	17
3.3 Troubleshooting Licensing Errors .....	26

## Chapter 4: Licensing - Commuter

4.1 Introduction.....	33
4.2 Setup & Installation .....	34
4.3 Troubleshooting .....	37

## Chapter 5: Licensing - Redundant

5.1 Introduction.....	41
5.2 Setup & Installation .....	41
5.3 Troubleshooting.....	44

## Chapter 6: Licensing - USB Key

6.1 Introduction.....	46
6.2 Setup & Installation .....	47
6.3 Troubleshooting .....	49

## Chapter 7: Licensing - Toolbox

7.1 Licensing Error Messages.....	52
7.2 Firewall Settings .....	59
7.3 RMS 8.5.0 Override.....	69

---

7.4	SLM User’s Guide .....	69
7.5	Reporting Tools .....	70
7.6	Silent Installation .....	71
7.7	Linux Support .....	73
7.8	Citrix Thin Client.....	73
7.9	Download Links.....	74
7.10	User Account Control Issues .....	74
7.11	Sentinel License Server Download.....	75
7.12	Old Style Locking-code .....	75

CHAPTER

# 1

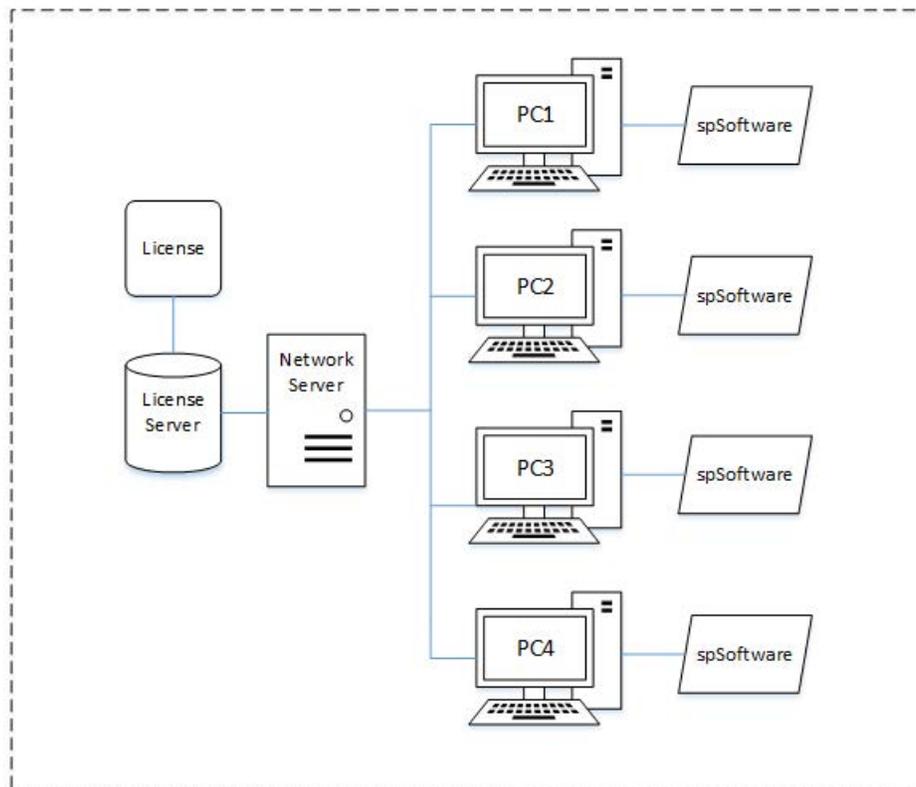
## Licensing - Overview

1.1 License Types .....	4
1.2 System Requirements .....	7

## 1.1 License Types

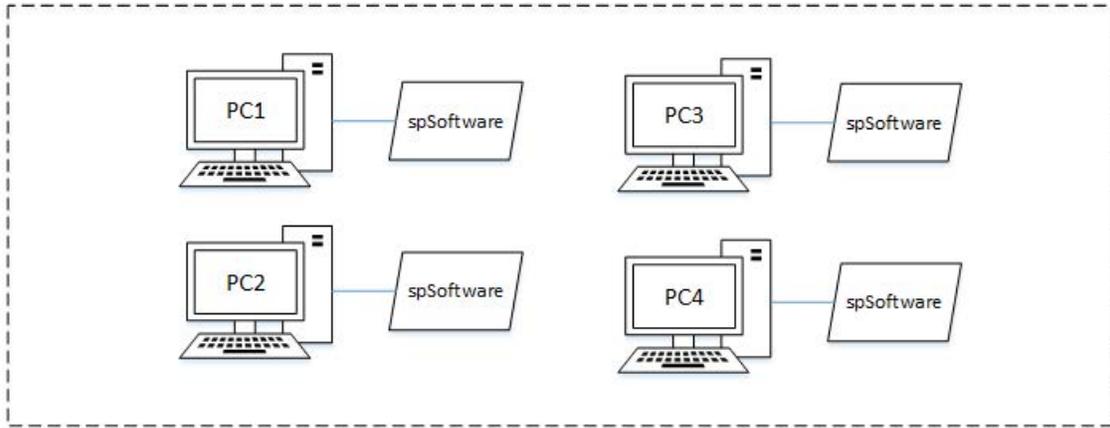
### Network

A network (concurrent) license is the most widely used license type for StructurePoint software. This type of license uses a server/client setup that allows a specific number of users (seats) to run the protected application at the same time.



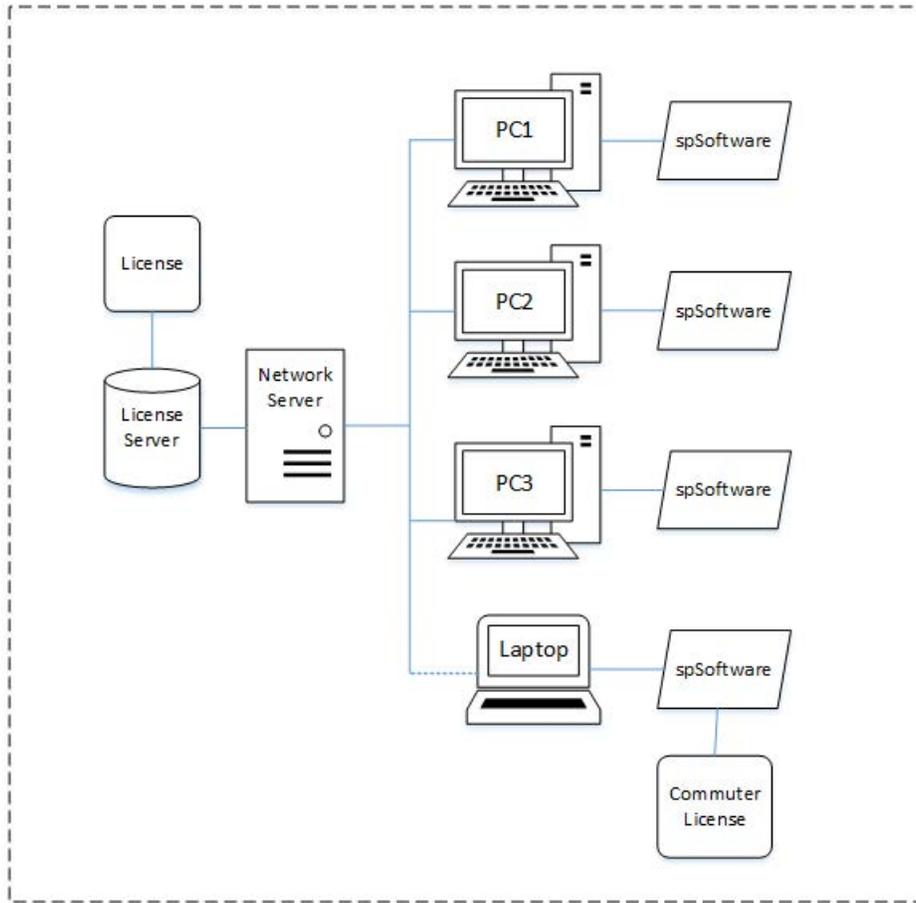
### Standalone

A standalone (individual) license permits use of the protected application on a single computer. License management is done on that computer without the need for a network server.



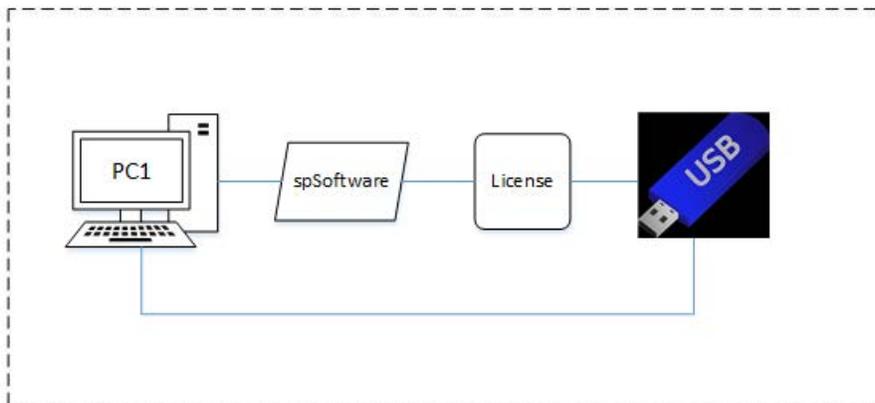
## Commuter

A commuter (field) license allows a traveler to check out a temporary authorization from the network to use the application on a laptop, and then check it back into the network when the traveler returns. A commuter license is included as an option for all network license applications or is granted by StructurePoint for remote use.



## USB Key

USB (portable) licensing requires a USB Key (dongle) in order to check out a license and operate StructurePoint software.



## 1.2 System Requirements

StructurePoint programs are 32-bit applications that run on Microsoft Windows operating systems.

### Operating System

Workstation computers: Windows 10/11 require administrator privileges during initial installation and license activation.

Server Computers: Windows Server 2016 or later is recommended as the license server in network license setup. For virtual servers, contact StructurePoint.

### Network Requirements (Network License only)

- LAN or WAN running TCP/IP
- Sentinel RMS 8.5.2 for version 10 applications
- SentinelLM 7.2.0.23 or higher for non version 10 applications

CHAPTER

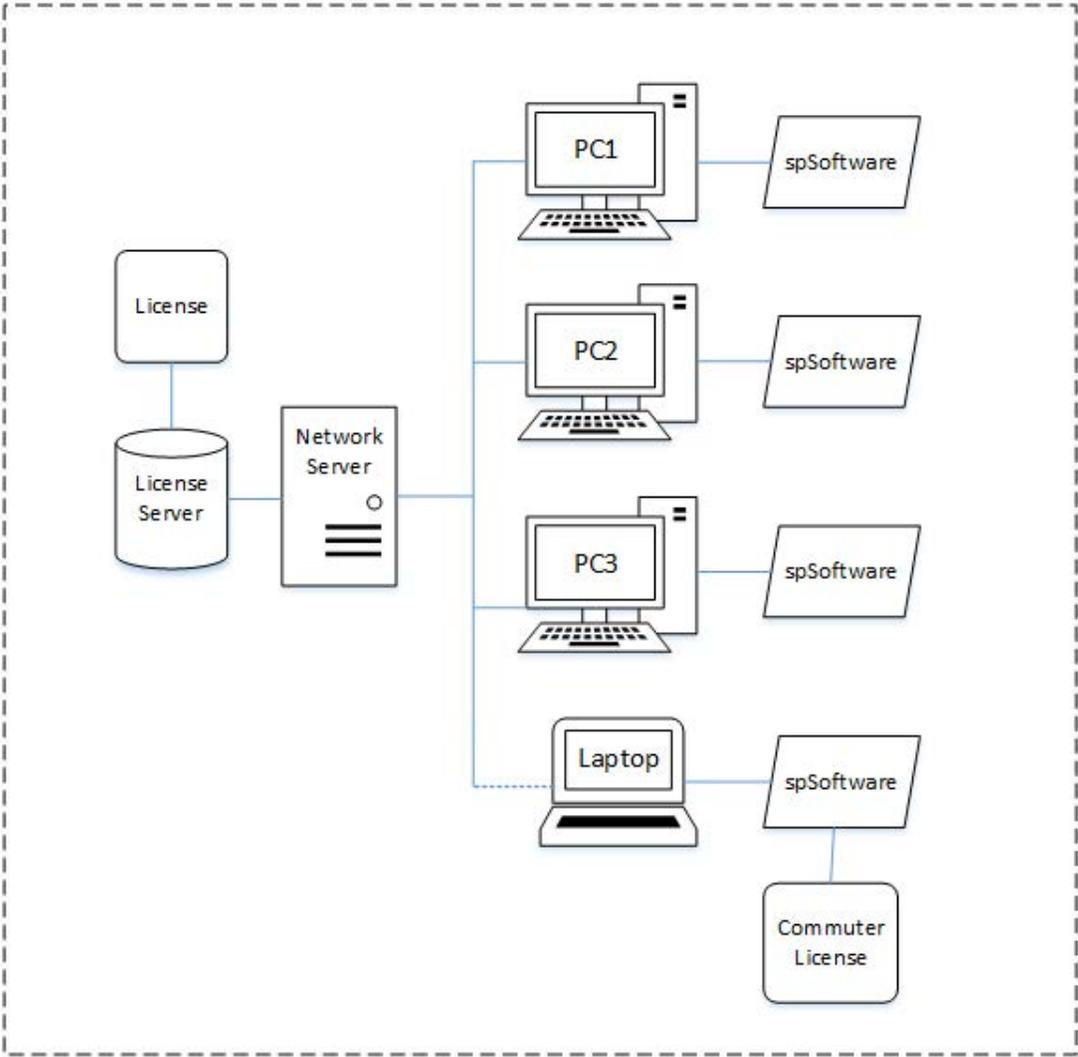
# 2

## Licensing - Network

2.1 Introduction .....	9
2.2 Setup & Installation.....	10
2.3 Troubleshooting.....	14

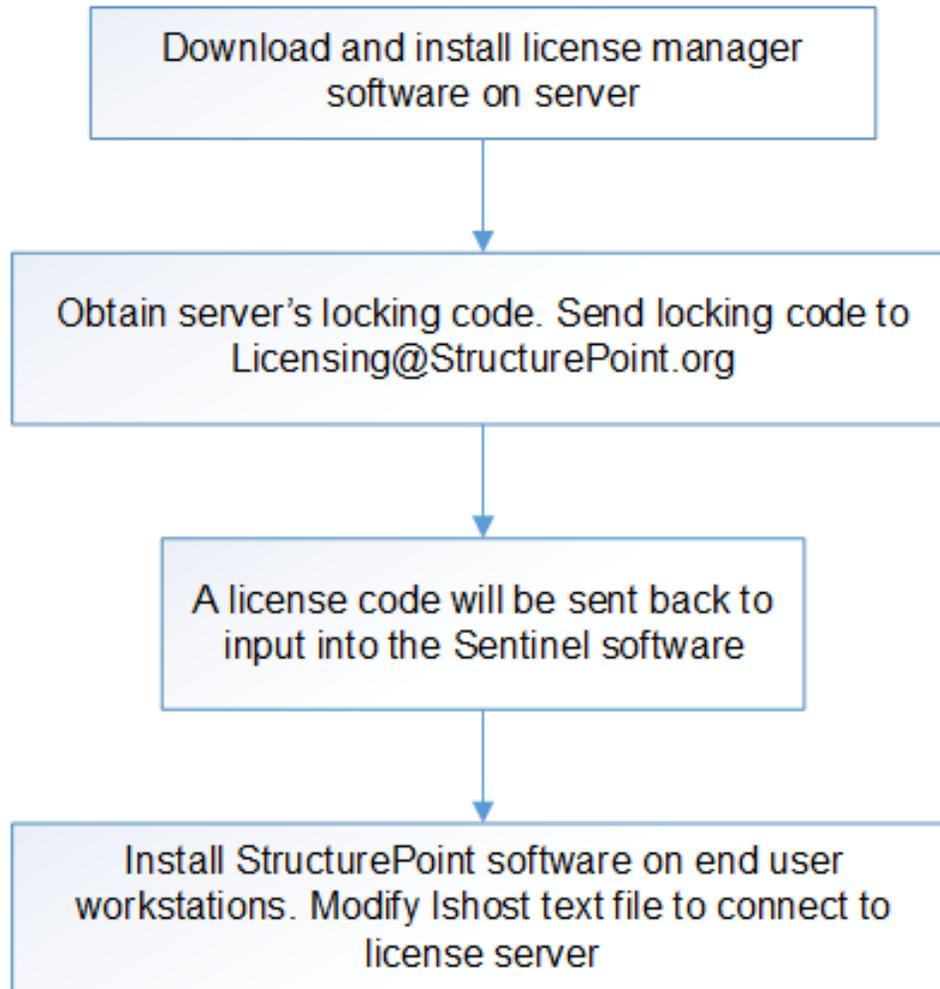
## 2.1 Introduction

Network Licensing utilizes a Sentinel RMS License Manager to manage network licenses for the client workstations. The license manager is typically installed on a server residing in the same office location that it will be accessed from. The software programs, such as spMats, can be installed on any number of client workstations on the network. The client workstation acquires a license from the network license server when the software is launched, and remains in use until the software is closed. The number of available licenses, or seats, is encoded in the license code hosted on the server. License codes are unique to the designated license server.



## 2.2 Setup & Installation

The main steps in this process are illustrated below:



### Step 1: Installing the License Manager

The Sentinel RMS License Manager software should be installed on a reliable server. The server should be located on the same subnet as the client computers, depending on the license type and license agreement at the time of purchase.

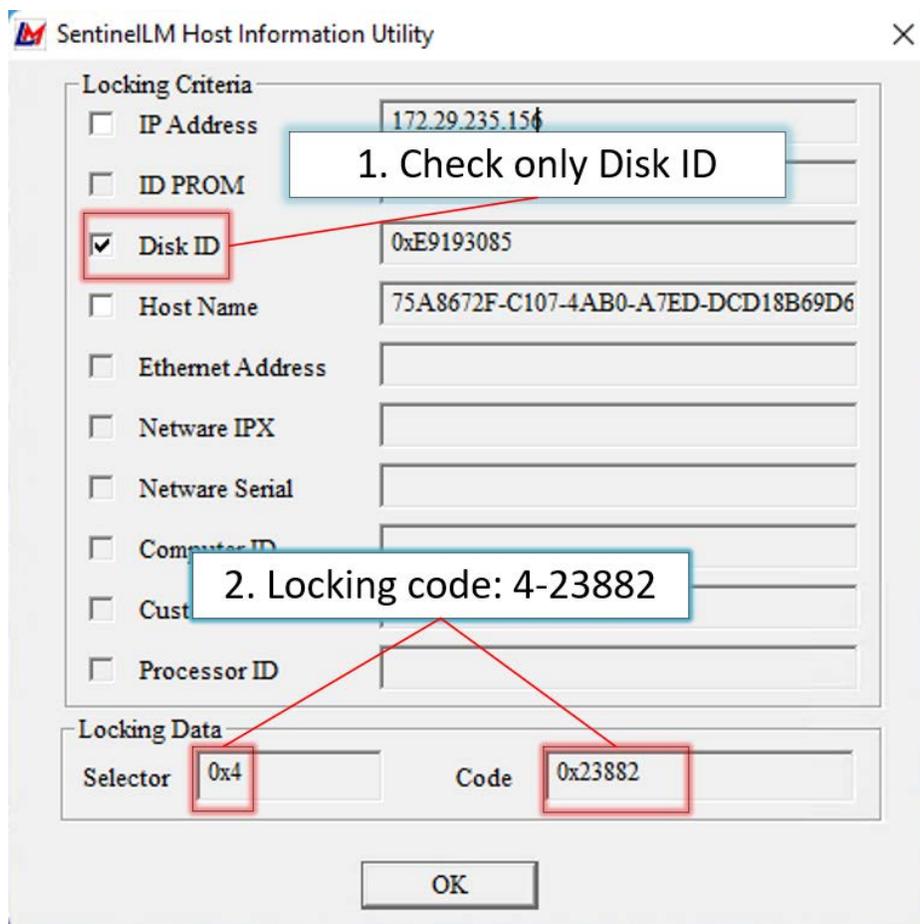
1. Login as Administrator on the Network License Server computer.
2. Download the [Sentinel RMS License Manager Installer.zip](#) from StructurePoint's website.
3. Unzip **Sentinel RMS License Manager Installer.zip** to your preferred location and run **setup.exe**.

4. Follow the steps in the installation wizard to install the Sentinel RMS service and utilities. Default settings are recommended.

## Step 2: Obtaining Locking Code

Network license codes are locked to the server by a unique locking code that is specific to each server. Reformatting the server, changes to the operating system, or updating hardware on the server could disable licenses or render them incompatible with the server, and new license codes will be required.

1. If setting up Sentinel for the first time, a locking code is needed by StructurePoint. To retrieve the locking code, launch **wechoid.exe** located in C:\Program Files (x86)\Common Files\SafeNet Sentinel\Sentinel RMS Utilities.
2. If you already have an existing Sentinel License Manager, and received license codes for your server, proceed to configuring the license server (Step 3).



3. In wechoid.exe, uncheck all boxes under “Locking Criteria” except Disk ID (shown above).

4. E-mail a screenshot of the wechoid.exe window, along with the order number or license serial number to [Licensing@StructurePoint.org](mailto:Licensing@StructurePoint.org). Our licensing team will process the request and send the License Code(s) via e-mail.

If you have a Sentinel License Manager/Utilities that is later than version 8.5.2, please download and use this version ([wechoid.exe](#)) to obtain the old-style server locking code. The format in the earlier version (old style) is needed to generate a license.

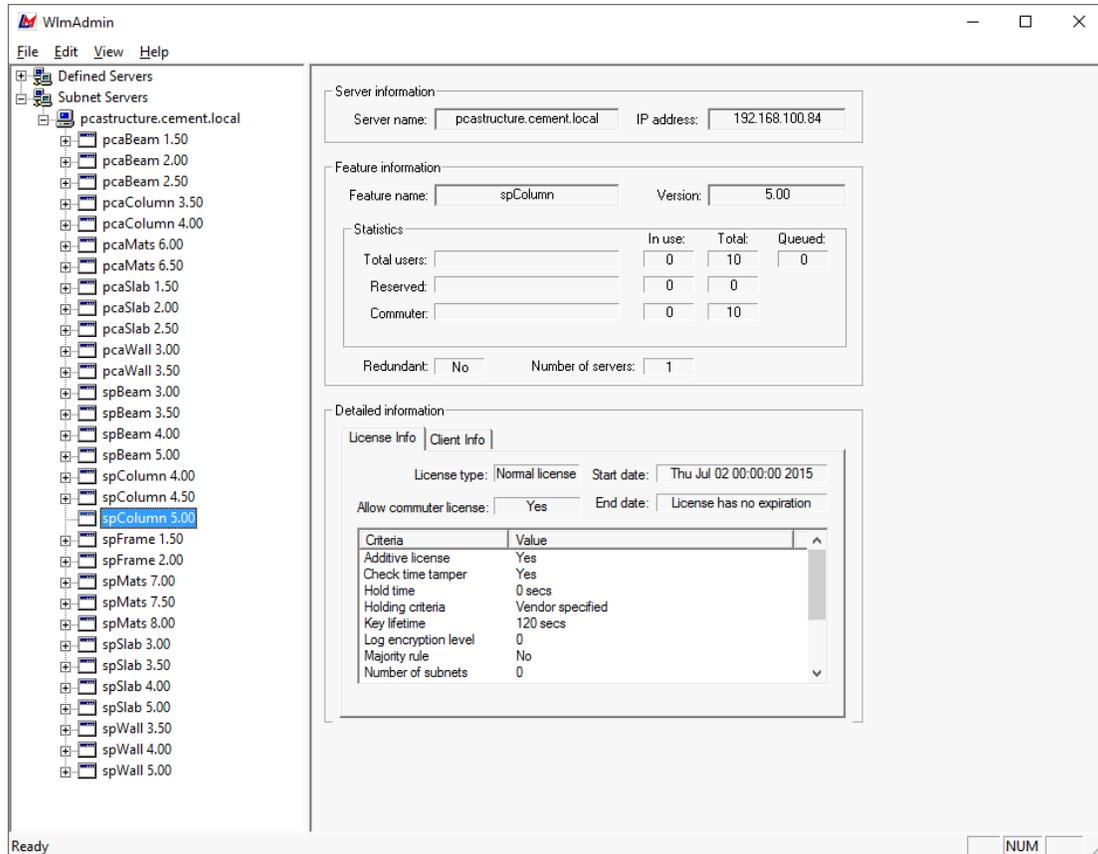
### Step 3: Configuring License Server

1. Run the WlmAdmin.exe utility located in C:\Program Files (x86)\Common Files\SafeNet Sentinel\Sentinel RMS Utilities. If your Sentinel installation is not installed in the default folder above, locate and open the WlmAdmin.exe utility.
2. Expand the Subnet Servers list, and locate your server's name under the Subnet Servers list. You may already see licenses here.
3. To add the new license, right-click the server's name in the Subnet Servers list and select Add Feature | From a String | To Server and its File | from the menu selections.
4. Copy the license code/string for one StructurePoint product from the license code e-mail and then paste it into the License code field. Click the Add button to continue.



The screenshot shows a dialog box titled "Add feature to server and license file". It has a close button (X) in the top right corner. The dialog contains two input fields: "Server:" with the text "no-net" and "License code:" which is empty. To the right of the "Server:" field are "Add" and "Cancel" buttons.

5. Repeat steps 3 and 4 to add additional StructurePoint software licenses. Added licenses will be listed under the server's name. The software version installed on the client workstation should be the same or higher than the license version on the server.
6. If you are adding a new license to an existing, non-expired license, both licenses will be active and available until the expiration date of the old license.



## Step 4: Configuring Applications on Client Workstations

These step must be repeated for each StructurePoint application (e.g. spWall) on each client workstation. By default, the StructurePoint software applications are installed in C:\Program Files (x86)\StructurePoint\.

1. After installing the software on the client, configure the program to connect to the

designated server hosting the network license:

- a) For all programs except spMats v10.00 and spColumn v10.00:
  - Navigate to C:\Program Files (x86)\StructurePoint\spMats
  - Open “lshost.txt”, and change “no-net” to the IP address or hostname of the designated license server. Close and save lshost.txt
  - Launch the program.
- b) For spMats v10.00 and spColumn v10.00:
  - Launch the program and select Network Licensing
  - Input the IP address or Hostname of the designated license server and select Activate.

The license server and client installation/configuration are now complete. When the software is launched, the program will use the lshost.txt file to determine where it will look for a license.

On the server, the “Sentinel RMS” service must be continuously running in order to host and serve the network licenses.

## 2.3 Troubleshooting

### 1. License Server Does Not Appear on Subnet

If the license server is not listed under the subnet servers when running the WlmAdmin.exe application (C:\Program Files (x86)\Common Files\SafeNet Sentinel\Sentinel RMS Utilities), the Sentinel RMS service may need to be started. Please run the “loadls.exe” as an administrator in the above path to start the Sentinel RMS service.

### 2. Client Computer Cannot Find License Server

If the workstation cannot checkout a license after completing the setup of the license server and configuration of the client workstations, please consider the following actions:

1. Open the StructurePoint software folder in the default path (C:\Program Files (x86)\StructurePoint\spColumn). For spMats v10.00 and spColumn v10.00, this file is called lshosts.txt and is located in (C:\ProgramData\StructurePoint\spColumn\10.00).
2. Make sure that either the IP address or the license server name is in this file (these can be used interchangeably).

3. Using the WlmAdmin.exe tool located in C:\Program Files (x86)\Common Files\SafeNet Sentinel\Sentinel RMS Utilities, the license manager should display the designated license server, with active licenses (non-expired) listed beneath the server.
4. Verify that the software version installed on the client workstation is supported (version should be the same or later than the version of the license installed on the license server). Please refer to <https://www.structurepoint.org/software-update.asp> for details.
5. If all of the above steps have been executed and you are still having trouble with the client workstation connecting to the license server, a Sentinel specific port (UDP 5093) may need to be opened to allow communication between the client and server.
6. Uninstalling and reinstalling Sentinel RMS is recommended if none of the above steps are successful. You may also contact our support team at [licensing@structurepoint.org](mailto:licensing@structurepoint.org) or 847-966-4357 for assistance.

### 3. License Server Does Not Release Licenses

When StructurePoint software is closed on a client workstation, the license is released and becomes available to other client workstations. If the license is not released automatically, try the following:

1. Wait a few minutes and run the application on client computer again. Sentinel checks the status of all the licenses on client computers and releases a license automatically if a connection has been inactive for about 10 minutes.
2. On the computer that may have the license checked out, open the Task Manager and make sure there is no process listed for the software (spSlab, spColumn, etc.)
3. Open WlmAdmin.exe and right-click the license in question under the subnet server and select “Remove Feature”. Proceed to re-add the license using #2 in Step 3: Configuring the License Server.
4. Restart the Sentinel RMS service by opening the services on your server and locating “Sentinel RMS”. Right-click on the service and select “Restart” or “Start”.
5. Reboot the license server could possibly resolve this issue if the above options do not work.

CHAPTER

# 3

## Licensing - Standalone

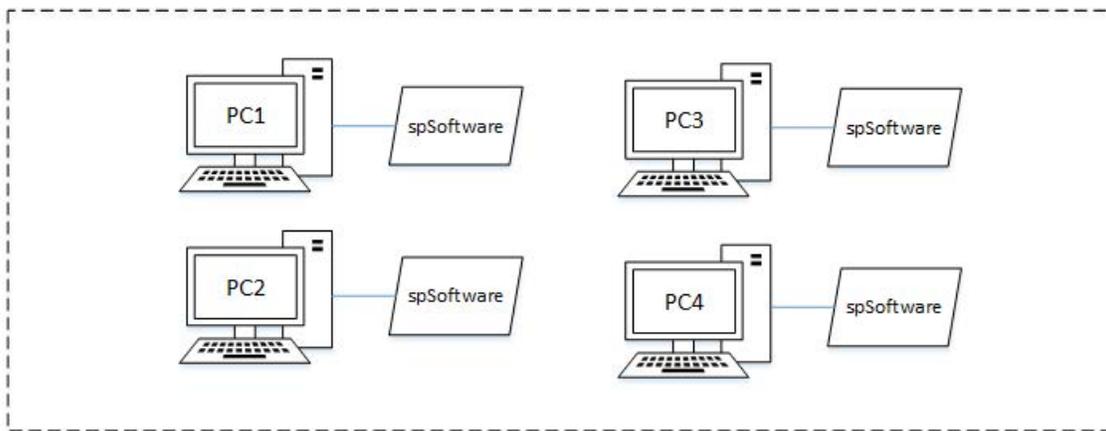
3.1 Introduction .....	17
3.2 Setup & Installation.....	17
3.3 Troubleshooting Licensing Errors .....	26

## 3.1 Introduction

A standalone license is a license that is locked to an individual computer, and permits the use of StructurePoint applications on this computer. Each StructurePoint application requires its own standalone license code. License codes are unique to each computer.

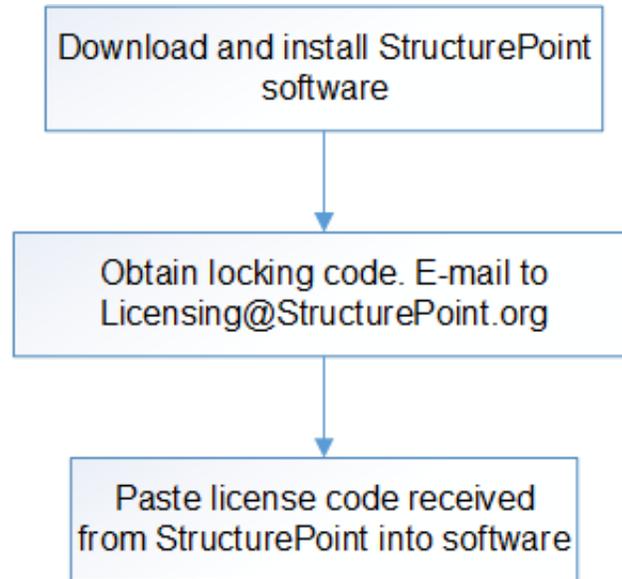
A license may be transferred from one computer to another. To learn about or start the license transfer procedure, please contact the StructurePoint licensing team by phone at 1-847-966-4357 or via e-mail at [licensing@structurepoint.org](mailto:licensing@structurepoint.org).

This chapter uses spMats as an example, but the installation procedure is identical for the rest of the StructurePoint applications.

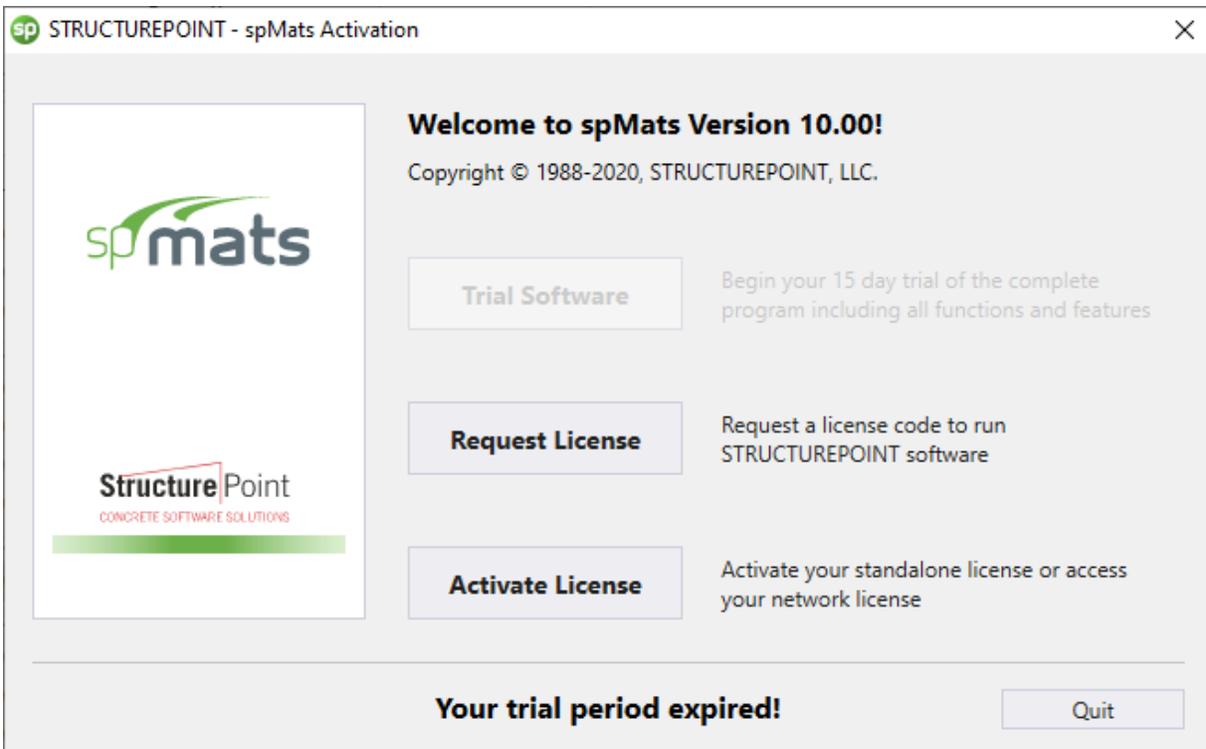


## 3.2 Setup & Installation

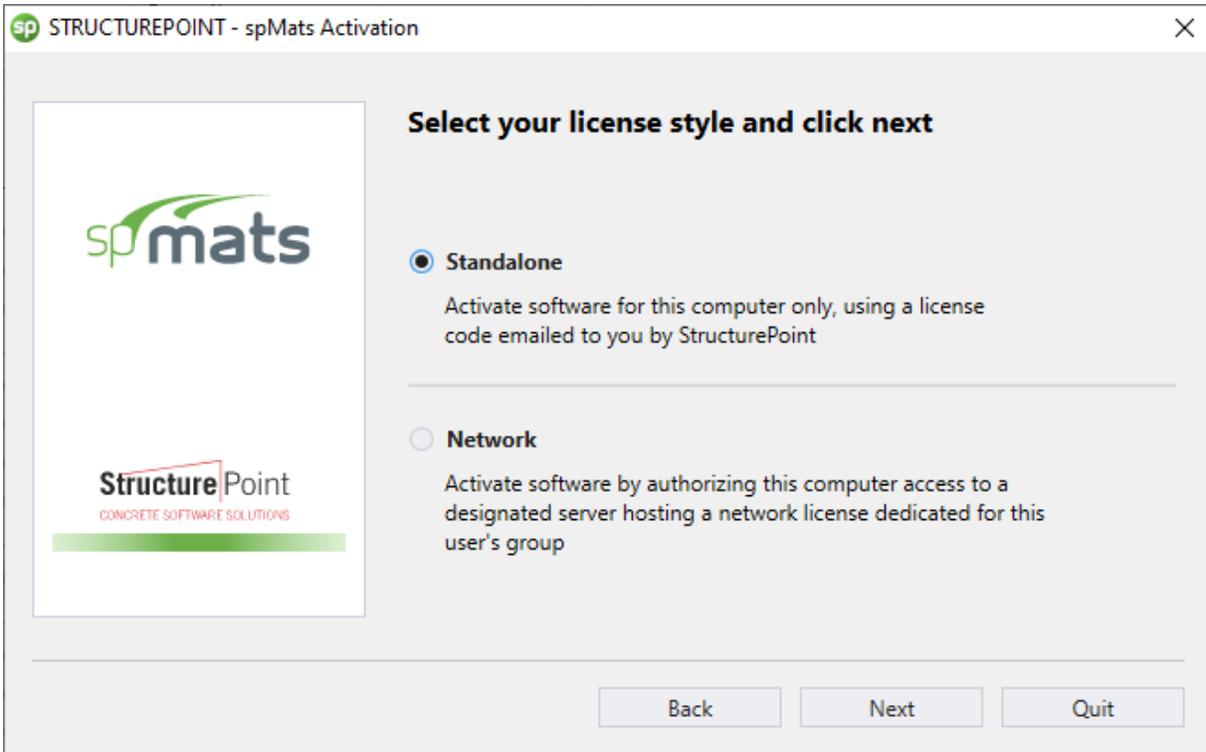
StructurePoint programs currently have 1 of 2 (old and new). spColumn and spMats v10.00 feature the new interface, and spWall, spBeam, spSlab, and spFrame feature the old interface. All SP programs will eventually share this new interface. The instructions for the new interface are shown below, followed by the instructions for the old interface.



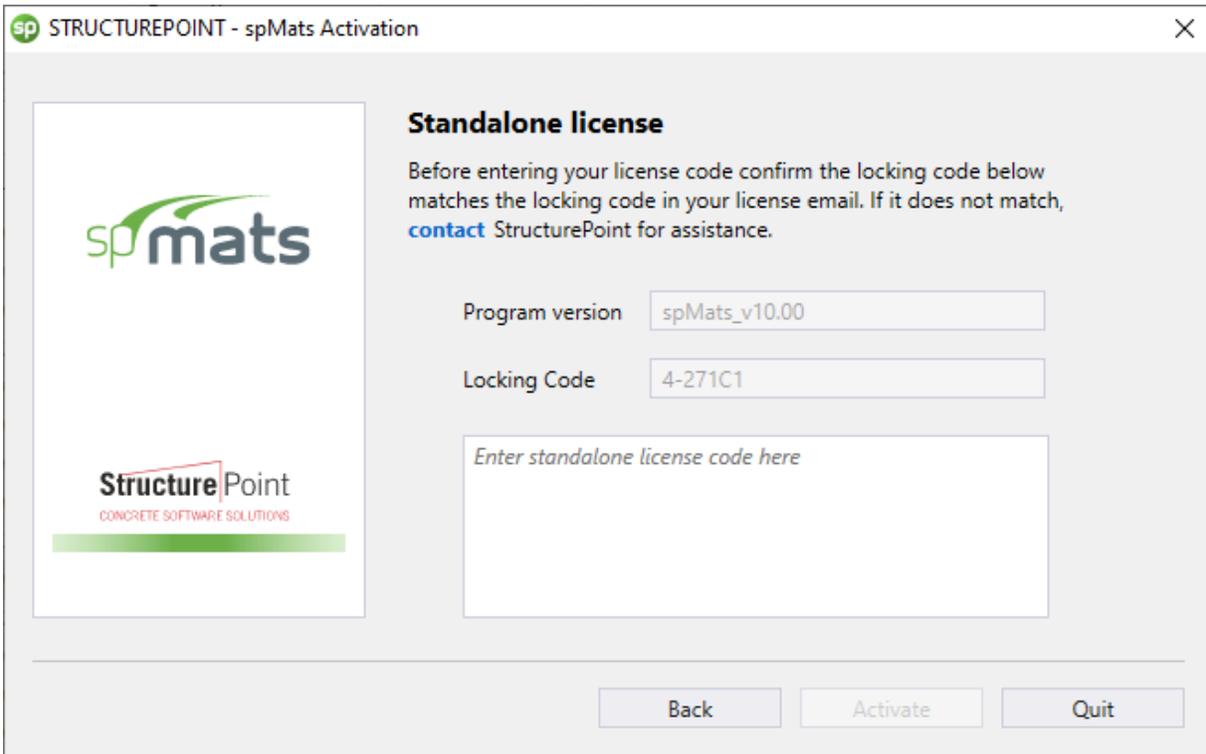
For the new spMats and spColumn v10.00, and all future releases of any StructurePoint software program, the layout is simpler and allows you to request a license online, start a trial license, or activate either a standalone or network license (server name or IP address is used to connect to the license server).



To activate your standalone license, go to “Activate License” and select “Standalone” from the 2 radio button options and click next.



You can now enter the license code emailed to you in the text box at the bottom of the activation window. The license code always ends with the company's name.



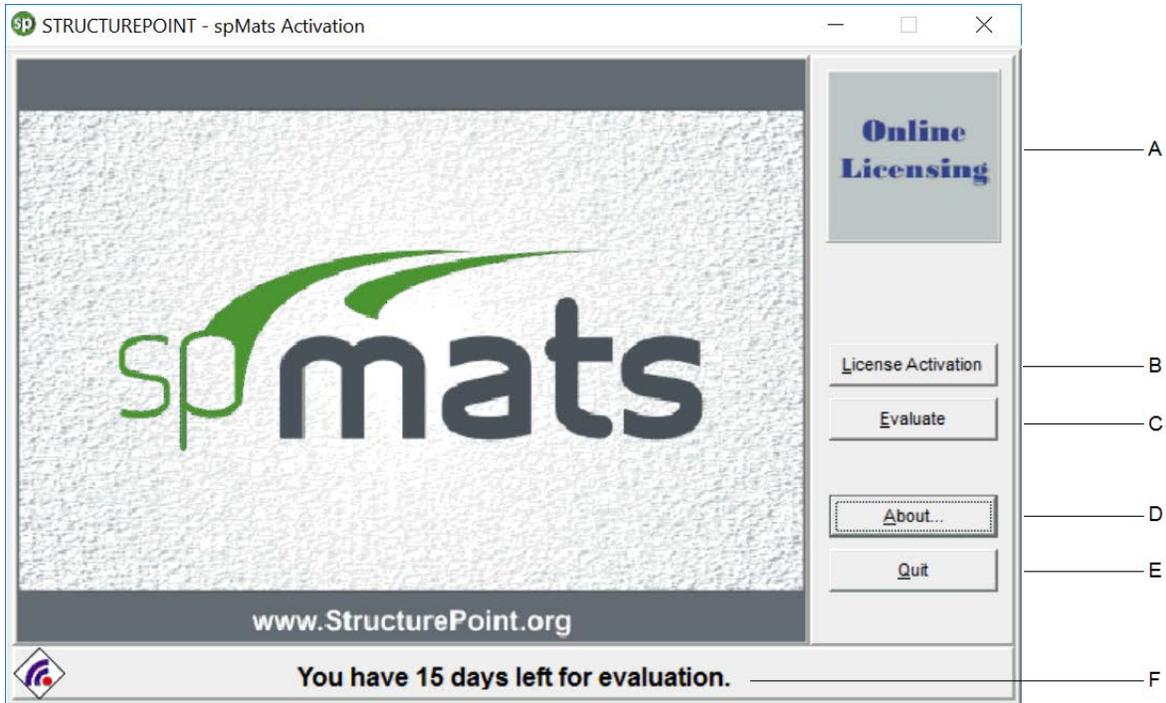
After inputting your license code, click “Activate”. The program is now licensed, and should open up into the user interface.

If you received an error after clicking on “Activate”, please make sure you are copying the entire license code in your email starting from under the line that states: “standalone license code for...”, up until the end of your company name.

Please view the troubleshooting section at the end of this guide for assistance. You may also contact support at [licensing@structurepoint.org](mailto:licensing@structurepoint.org) or 847-966-4357.

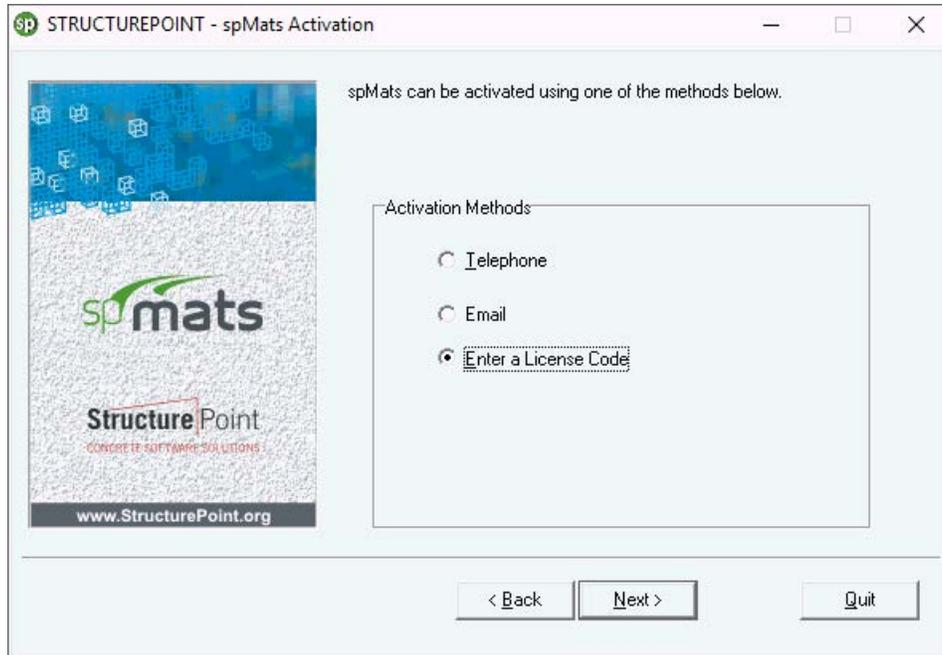
### Old Interface:

spSlab, spBeam, spWall, and spFrame all feature the older StructurePoint software interface. This interface will soon be replaced with the newer interface.

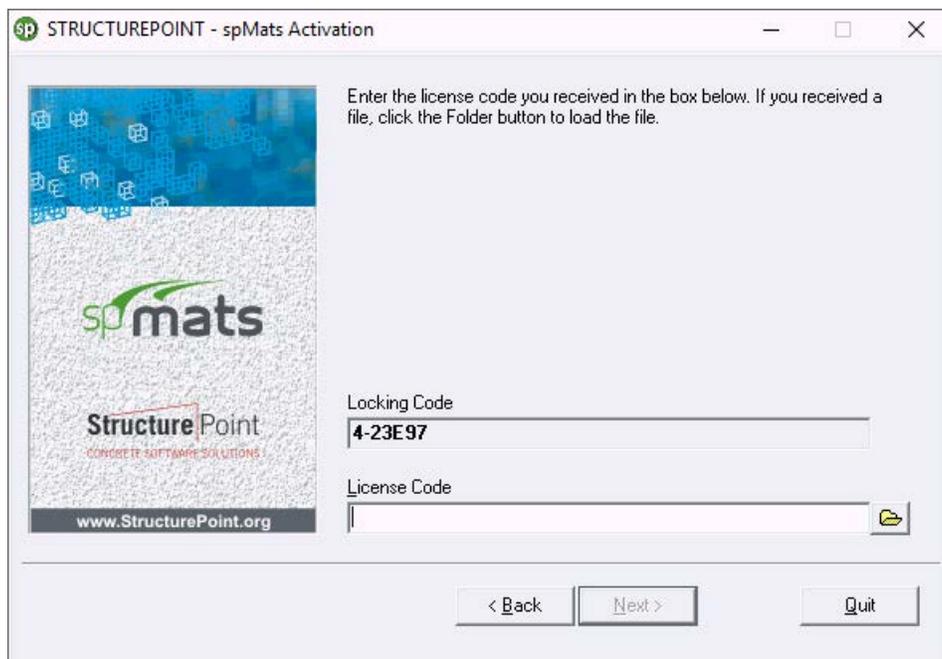


- A – Request a License via StructurePoint Website
- B – Activate a Standalone License or retrieve the PC’s locking code
- C – Use the trial license to start the program
- D – View program information such as version and publisher date
- E – Close the program
- F – Displays the number of days left on the trial (evaluate) license

To activate a standalone license or to retrieve your PC’s locking code, go to “License Activation” and select “Enter a License Code” from the 2 radio button options and click next.

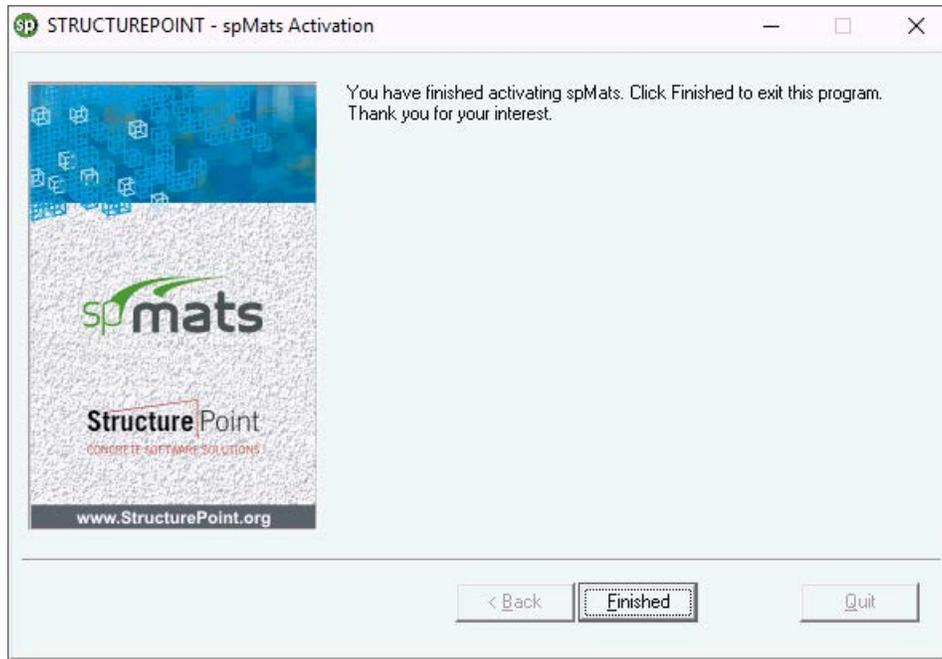


You can now copy/paste your Standalone license code to activate the software, or take a screenshot with your locking code and send it to [licensing@structurepoint.org](mailto:licensing@structurepoint.org) to receive a license. Your PC's unique locking code is needed in order to receive a license code.



Click the Finish button to complete the activation. If you encounter any difficulties, please refer to the Troubleshooting section.

Please note that the license version and your software version do not need to match exactly. The software version should be equal or higher than the license version used. This allows updates to be installed without obtaining new license codes.



### Program Installation:

To install StructurePoint software:

1. Launch the installer (spmats1000.exe) to begin. Please read through each step during installation, we recommend using default installation paths for the software. Click the Next button to continue.
2. Read and review the End User License Agreement. Click “I Agree” at the bottom of the window to continue the installation. The EULA is also available by accessing the Help menu within the program.
3. Review the program release notes along with any other useful information and click Next to continue.
4. If asked, enter the registration information (User Name and Company Name). Click the Next button to continue. This information will show up on your reports and results within the program.
5. Select the destination folder in which the application will be installed. By default, StructurePoint software is installed in: C:\Program Files (x86)\StructurePoint
  - Use the browse feature if you want to install the program in a different folder. The setup program will create an spMats folder in your selected location. Click the Next button to continue.

6. If asked, select the program group name. Windows will use this name in the Start | Programs menu. Click the Next button to continue.
  - If you are evaluating a new version of an installed application and do not want to overwrite the existing version, you must specify a new group name (e.g. StructurePoint\spMats vX.XX).
7. Click Next in the Start Installation dialog box to begin the installation of the application software and evaluation license.
8. After the installation is complete, a dialog box will appear. Click the Finish button to finish the installation. You may be asked to reboot your PC after the installation has finished.

### Activation and License Request types using old interface:

**Phone** - If you choose to activate by phone, a screen showing the product ID and your locking code will appear. Please have your order number ready when you call 1-847-966-4357 to obtain your license.

STRUCTUREPOINT - spMats Activation

Please call us at (847) 966-4357. We are available 9am-5pm CST. You will be asked for the following information:

spMats - Version 8.12

Product ID  
spMats\_v8.00

Locking Code  
4-23E97

Enter the license code you received in the box below.

License Code

< Back   Next >   Quit

**Email** - If you choose to activate via E-mail, a screen prompting you to provide your name and contact information will appear. After you enter all the information, click the Send E-mail button to request a license. Once the information is received and verified, the license code will be generated and sent to you via e-mail.

STRUCTUREPOINT - spMats Activation

Please fill out the fields below and click 'Send E-mail'. The \* denotes fields that are required to complete your activation request.

Company

\*Name

\*Street Address

\*City State/Province Zip/Postal Code

\*Country E-mail Address

United States

\*Phone Number Fax Number

< Back Send E-mail Quit

After you receive the e-mail, copy and paste the license code into the License Code text box and click the Next button.

If the license code is entered correctly an activation confirmation window will appear. Click Finish to complete the activation.

**IMPORTANT:** If you encounter any difficulties sending the e-mail automatically from the license activator, please call us at 1-847-966-4357 or e-mail us at [licensing@StructurePoint.org](mailto:licensing@StructurePoint.org).

After receiving the license code, click the License Activation button in the start-up dialog box and choose the Enter License Code option. Then copy and paste the code into the License Code box. If the activation was successful, you will see a window indicating you have successfully activated spMats. Click the Finish button to complete the activation. If you encounter any difficulties, please refer to the Troubleshooting section.

**Online (Website)** - Choosing the Online Licensing option will open a StructurePoint webpage where you can input the Order and Serial number information of your order, as well as your computer's locking code. Once the request is received and reviewed, license codes will be emailed to you.

**StructurePoint**  
CONCRETE SOFTWARE SOLUTIONS

Home Software Support Publications News and Events Contact

## License Request

home : [Software](#) : License Request

Please provide following information from your order confirmation e-mail and click Next to continue.

**Order Confirmation**

Order Number:

Serial Number:

Next

keyword

Search Site

your email address

Keep me informed!

Shopping Cart

Buy Now

Questions? Ask us!

Select Language ▼

### 3.3 Troubleshooting Licensing Errors

You may receive one or more error messages when activating a standalone or network license code. Some of the common errors are listed below along with the possible resolutions to them:

#### Sequence Error 17, 4, 30004:

These errors happen in the sequence of 17, 4, then 30004. The user is advised to close the software and then open it again by running the program as an administrator. To do this, right-click on the program icon/executable and select “Run as Administrator” from the drop-down menu. The program will either open into the user interface (already activated), or you will be prompted with a different Locking Code on the license activation page. Please email the new “administrator” locking code to [licensing@structurepoint.org](mailto:licensing@structurepoint.org) to receive a valid license.

#### Error 17:

“No servers are running on this subnet.”

- Most commonly the result of putting a network license in a standalone activation (or vice versa)

- Incomplete license code is pasted. Copy the license code into a Notepad (uncheck word wrap formatting) first to ensure that the license string is complete and on a single line. Copy the license code from the Notepad to the license code text box
- You may need to set your computer's environment variable LSFORCEHOST to "no-net" because of another software possibly forcing the program to look for a license on another network server (see detailed instructions below)

### **Error 19:**

"Failed to add license code to the license server on host."

- The locking code used to generate the license may have been incorrect. Run the program as administrator (right-click + 'Run as Administrator') and inform StructurePoint of the new administrator locking code
- If the locking code is correct and the license is still not working and the environmental variable is not an issue, the license code can be added to the "lservrc" license file manually (see detailed instructions below)

### **Error 26:**

"Request denied due to clock tamper."

- Run the program as administrator, (right-click program executable or icon and select "Run as Administrator" from the drop-down menu) and if the problem isn't resolved, contact StructurePoint

### **Error 92:**

"Failed to add license code to the license server on host no-net. License code is invalid."

- Incomplete license code. Make sure the entire license code is applied. Some email viewers truncate the license and show it in multiple lines causing an incomplete copy and paste. We recommend copying the license string into a notepad or WordPad program, and using the Format menu to uncheck Word Wrap. You can then copy the entire license string without any truncation.

### **Error-Trial period has expired:**

"Your trial period has expired." The "Evaluate" button for the trial license is unavailable.

- Run the program as an administrator to receive an evaluation license. If still unable to start the trial license, email or call StructurePoint.

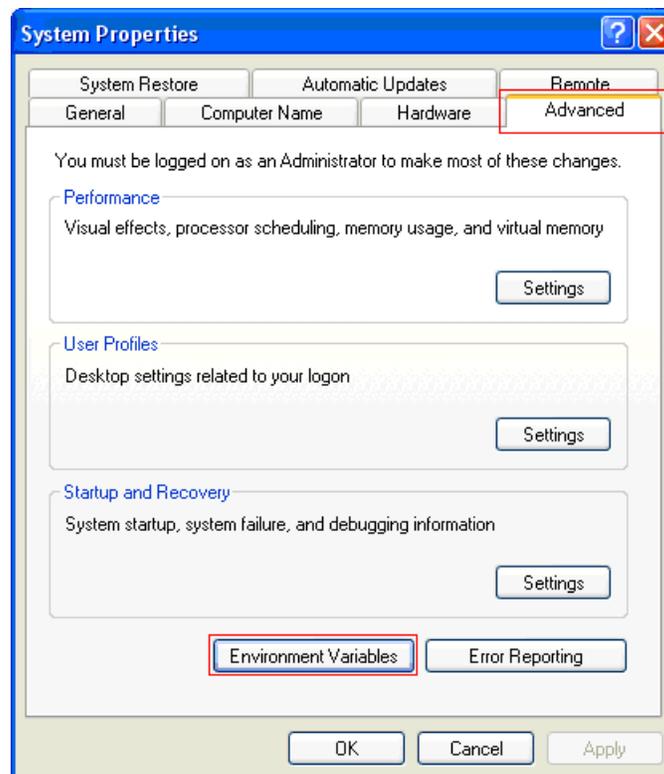
- If you have a network license, see the Network License setup section of this guide

**If your computer uses Sentinel Network Licenses for a different application or vendor, you may need to change an environment variable to allow the license to be activated on this computer.**

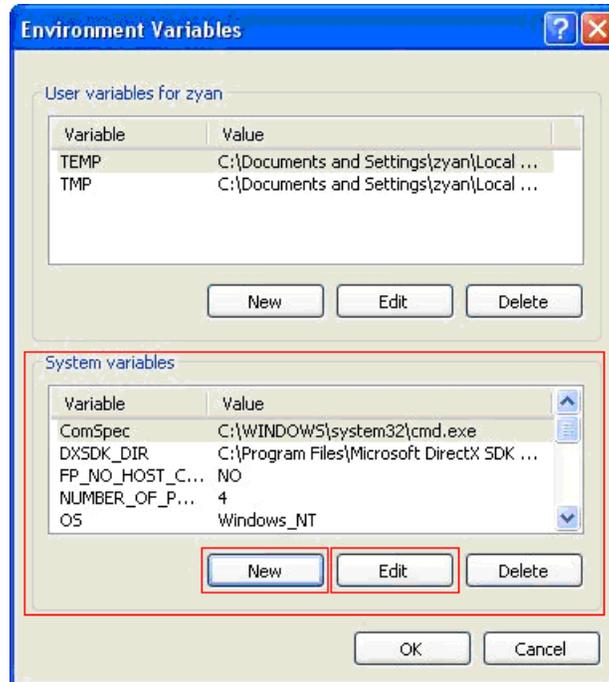
**Set environment variable LSFORCEHOST to no-net if above steps do not resolve license acceptance.**

To add a standalone license, set the environment variable LSFORCEHOST to “no-net.” To add an environment variable, follow the steps below (shown in Windows XP, but newer Windows versions are treated the same).

1. Open Control Panel, and then double click on System.
2. Click on the Advanced tab on the System Properties box, and then click the Environment Variables button.



3. In the System Variables group box, look for a variable named LSFORCEHOST. If the variable already exists, click the Edit button, and then change the Value to “no-net.” If the variable does not exist, click New.



4. In the New System Variable dialog box. Enter the variable name and value as shown, and then click OK.

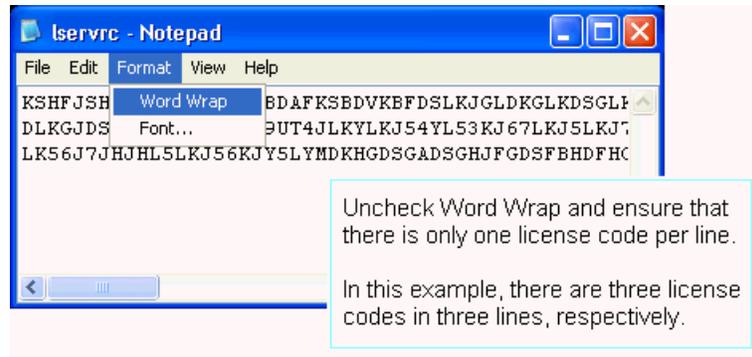


5. Click OK on the Environment Variables dialog box. You can now launch the software and attempt to use your Standalone license. After activation, you can remove/delete the environment variable if you also connect to network licenses with a Sentinel License Manager.

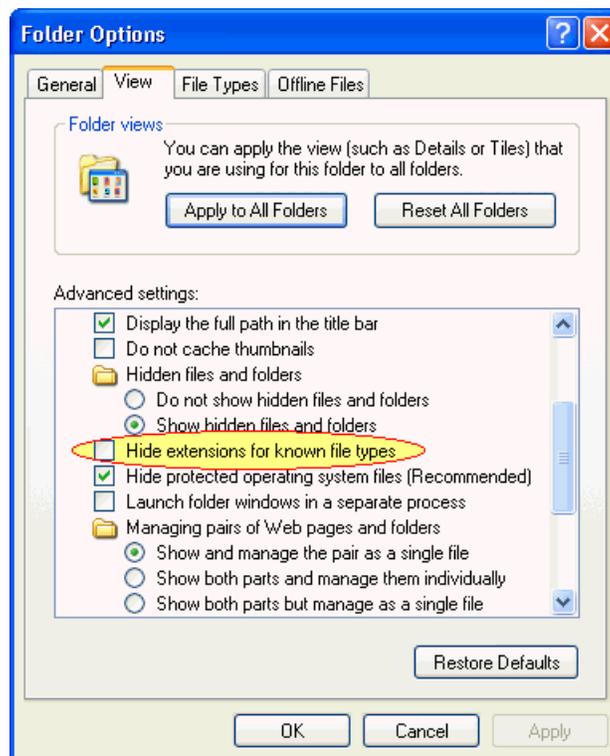
### Solution: Add license code to the “lservc” file manually

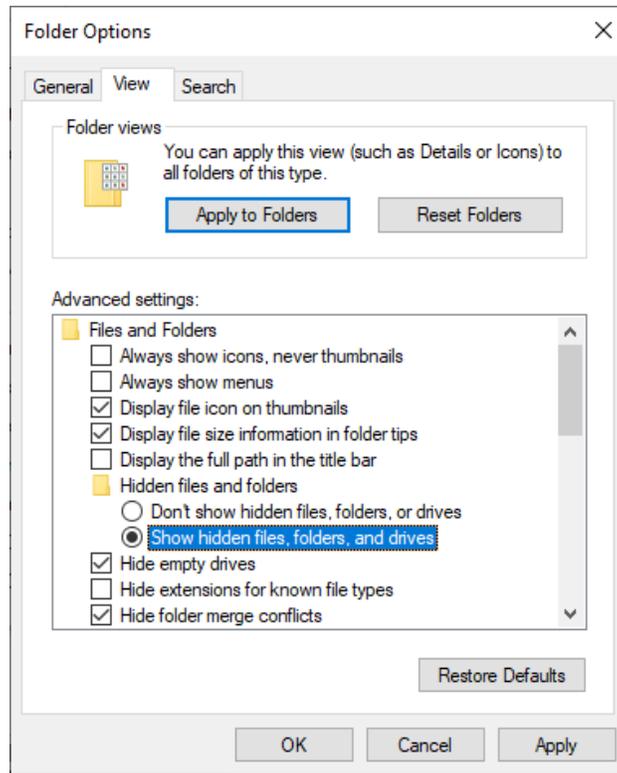
1. Open the program’s lservc file. The default path is C:\Program Files\StructurePoint\spMats. The first character of the file name is an “L” (for library), not “I” (for International) or “1” (one).
2. Uncheck Word Wrap in the Format menu as shown. There should already be one line of text in this file. It is the default 15-day trial license. Go to the beginning of the second line and paste the new license code there. You should have a total of two lines of text.

If you have multiple license codes in lservrc, make sure there is only one license code per line. If you need to append a new license code to an existing lservrc file, make sure the new license code is entered in a new line.



3. The lservrc file should NOT be saved with a file extension. By default, Windows Explorer hides all the known extensions including ".txt". To turn off this feature, click on Folder Options in the Tools menu, select View tab, and uncheck Hide extensions for known file types. On Windows 10, select the "View" from the file explorer window tab and then "Options" on the right side. Screenshots are shown below for both Windows XP and Windows 10.





CHAPTER

# 4

## Licensing - Commuter

4.1 Introduction .....	33
4.2 Setup & Installation.....	34
4.3 Troubleshooting.....	37

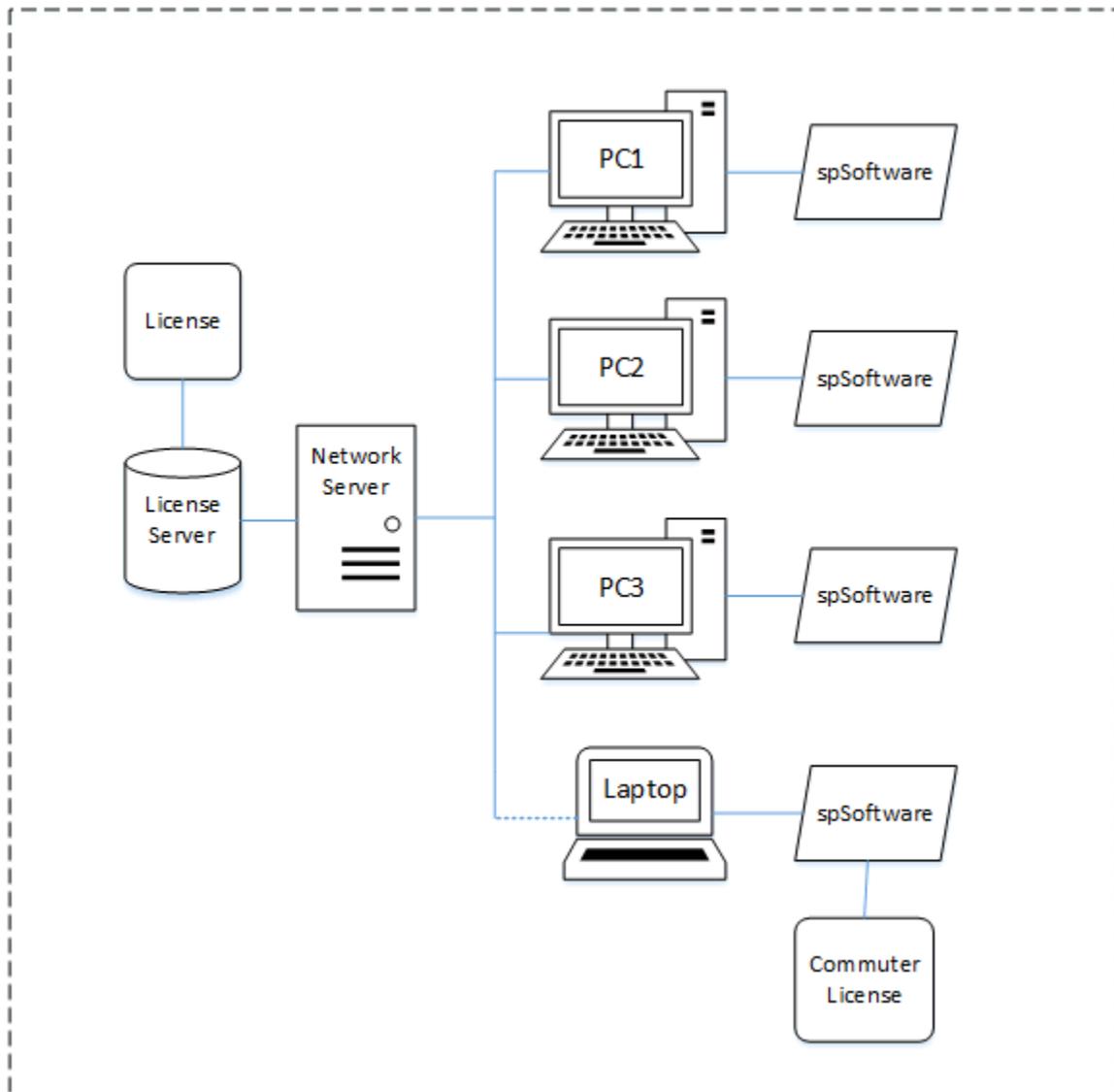
## 4.1 Introduction

Commuter licensing allows you to temporarily use licensed StructurePoint software programs on a portable computer that is not connected to the network. The most common use of commuter licensing is when you want to travel on business and need to take along the licensed software program. You can check out an authorization to use the application for the duration of the trip, and then check the authorization back in on returning.

To check out an authorization, the portable computer (for example, a laptop) on which the application will be used must be attached to the network and have access to a license server containing the license for that application. The application must also be installed on that laptop. After checking out an authorization, you may disconnect the laptop from the network.

When checking out an authorization, you may request authorization for a specific number of days (the default is 180). Since the authorization expires after that many days, you are not required to check in the authorization after returning. You do need the license tokens for that application for network use, you may want to check authorizations back in as soon as possible into the same license server from which the authorization was checked out.

If you need to check out a license to a remote computer that cannot be connected to the network, please refer to the Remote Commuter License Guide.

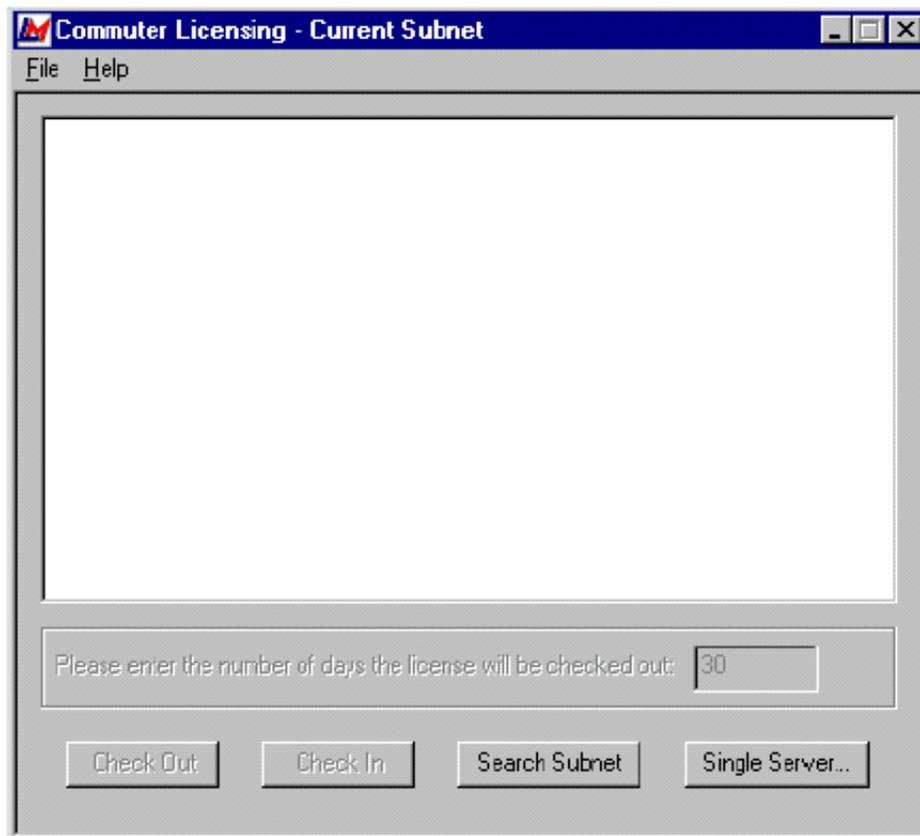


## 4.2 Setup & Installation

### Steps to Check Back In an Authorization

1. Make sure that the portable computer has the StructurePoint software program installed and ready to use.
2. Make sure that the portable computer is connected to the network and has access to the appropriate license server.

3. On the portable computer, download the zipped package from our website below and save it to a temporary folder, such as C:\TEMP. The same package can be found in the License Server folder on CD. [WCommute.zip](#)
4. On the portable computer, open Windows Explorer and go to the temporary folder (or the License Server folder on CD), and then double click on the zipped package. The zipped package needs to be unzipped. Extract the two files from the zipped package and save them into another temporary folder, such as C:\Commute.
5. In Windows Explorer, navigate to the wcommute.exe file and double click it to run it. The main Wcommute will display.



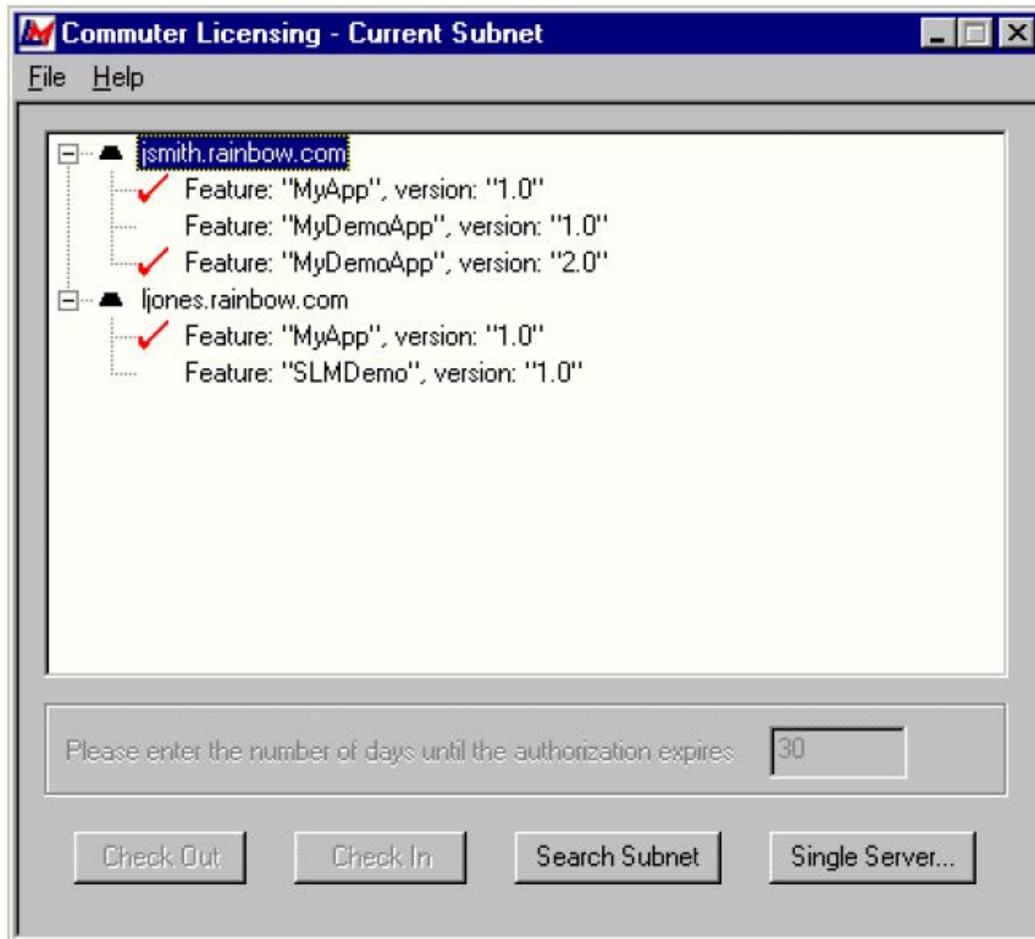
6. To find an authorization for the commuter license you want to use, click Search Subnet button to see commuter licenses available on all license servers on your part of the network within the given subnet. Or, if there is a specific license server you want to search or want to select a license server outside of your subnet, click Single Server button.

If you click Search Subnet button, you may need to wait a minute or two while Wcommute searches the subnet for license servers.

If you click Single Server button, a dialog box displays asking you to enter the name of the license server you want to contact. Enter the license server computer's host name, IP address or IPX

address and click OK.

- After selecting the license servers for which you want to see commuter licenses, the Wcommute display changes to look something like this:



For each license server, you see a list of commuter licenses for which you can check out an authorization. If you see a red check mark next to a commuter license, it means that an authorization has already been checked out to your portable computer. You may not check out an authorization if it is already checked out.

- To check out an authorization, click once on a license to select it. Then please enter the number of days until the authorization expires text box becomes active. Type a number from one to 180 to select the number of days the authorization will be checked out. By checking out an authorization to use the application, you decrease the number of available uses of the application for other network users, so specify the minimum number of days that you need.
- Next click Check Out button. Remember the name of the license server from which you obtained the authorization. You will need to check the authorization back into the same

license server later.

10. To check in an authorization, look for the license under the license server from which you checked it out. Click once on it in the display to select it. (There should be a red check mark next to it, indicating that you have it checked out.) Click Check In.

**Note:** You must check the authorization back into the same license server from which you checked it out.

11. To exit Wcommute, go to the File menu and select Exit.

## 4.3 Troubleshooting

**Problem 1: My portable computer cannot be connected to the network, what should I do?**

### Solution:

Please refer to the Remote Commuter License Guide.

**Problem 2: After the Search Subnet button is pressed, no license server is displayed in the list.**

### Solution

1. Make sure the portable computer is connected to the network.
2. Make sure the portable computer is in the same subnet as the license server.
3. If the portable computer is not in the same subnet as the license server, click the Single Server button, and then enter host name, IP address or IPX address of the license server you want to contact.

**Problem 3: After the Search Subnet button is pressed, no application is listed under the server name.**

### Solution:

This probably means that the license is not commute enabled. Please contact us.

**Problem 4: After Check Out button is pressed, the following error appears.**

SentinelLM: Error[18]: No license code is available for feature “product name and version” on host “license server name”.

**Solution:**

Error #18 is because you are running Wcommute.exe and lsapiw32.dll files that are issued by other software vendors. Wcommute.exe and lsapiw32.dll files are vendor specific. In other words, in order to check out a license on your portable computer you must run Wcommute.exe and lsapiw32.dll files issued by StructurePoint.

These two files are available in the WCommute.zip file in the License Server folder on CD. Alternatively, they can be downloaded at our website below. Extract the two files from the zipped package into the same folder on the portable computer so that the correct DLL file will be used.

<http://www.pcaStructurePoint.com/ftparea/WCommute.zip>

**Problem 5: After the Check Out button is pressed, the following error appears.**

SentinelLM: Error[75]: Unable to issue a commuter license to client “product name and version”.

**Solution:**

Error #75 has been resolved in SentinelLM 7.2.0.23. If your license server is running an earlier version, download the version 7.2.0.23 from our website below. If your license server is already running version 7.2.0.23 or higher, please contact us.

[http://www.pcaStructurePoint.com/ftparea/License\\_Server.exe](http://www.pcaStructurePoint.com/ftparea/License_Server.exe)

**Problem 6: When I try to commute a second license I get error 79, why?****Solution:**

Error 79 means that the client has already checked out a license. If you get this when trying to check out a license from a different client, it is typically because the machines on the network are cloned, and all have the same hard drive image. LM defaults to a disk ID locking for commuting. Since all machines have the same disk ID, you will need to either add a commute.dat file configured to lock to something else in addition to or rather than, or, you will need to change the

volume serial labels on all of the cloned machines.

CHAPTER

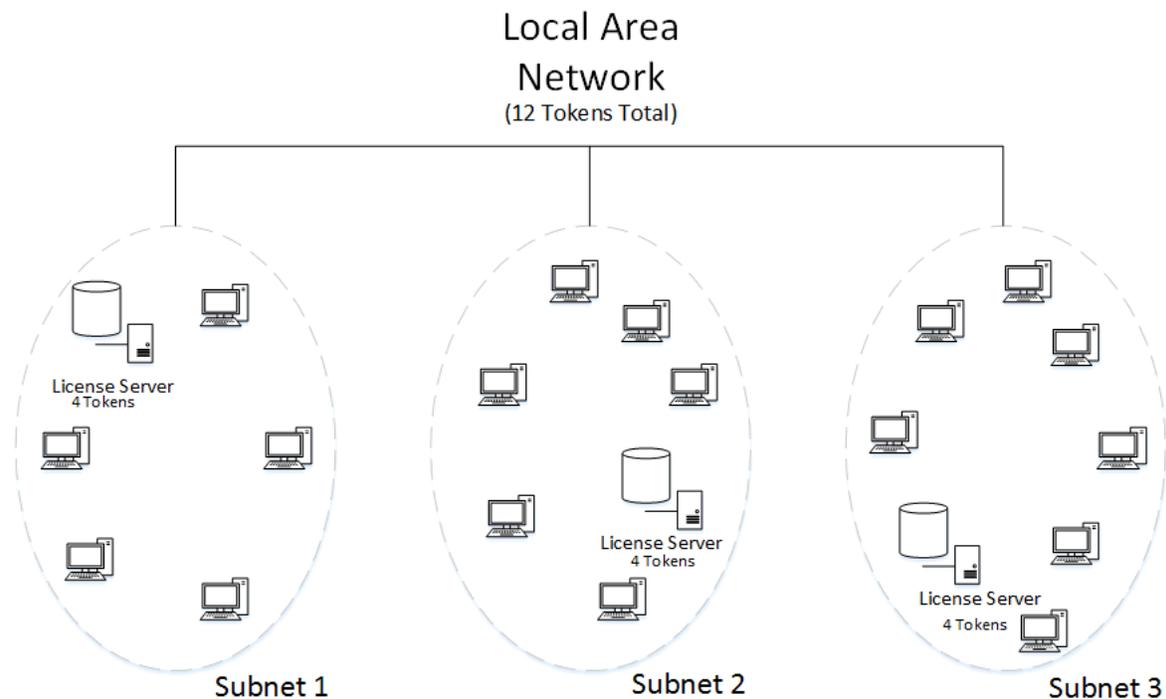
# 5

## Licensing - Redundant

5.1 Introduction .....	41
5.2 Setup & Installation.....	41
5.3 Troubleshooting.....	44

## 5.1 Introduction

Redundant license servers and license balancing offer several important benefits to StructurePoint users. It provides a flexible and easy way to acquire license tokens even if a particular license server goes down (license server backup). This ensures maximum uptime and license availability. The speed with which an end user acquires a license token is optimized by distributing tokens among multiple license servers to reduce the traffic for a particular license server (license balancing). License tokens can be allocated among multiple license servers, but a minimum of three is required. License manager (SentinelLM) will, over time, adjust the allocations to the optimal pattern based on actual license use.



## 5.2 Setup & Installation

### License Balancing versus License Server Backup

SentinelLM implements license balancing and license server backup by using redundant license servers. Each license server that runs on a separate computer on the network can be used as a

redundant license server at your site to form a license server pool. Each of the license servers in the pool can take over for any other if one of the license servers goes down.

For example, there could be a wide-area network serving three basic engineering groups of end users: Southeast region, Northeast region, and the Midwest region. Computers on this network might be in the same building, data center, or might be in different cities or countries. You have a license code that permits 12 users of spWall to run wherever and whenever. (We say that the license code authorizes 12 licenses or that it has 12 tokens.)

The first diagram below shows one possible configuration. You select three server computers on the network and install a license server on each. Typically, each license server computer is on the same subnet as the majority of the end users that will acquire licenses from it. (However, each license server may be on a different subnet.)

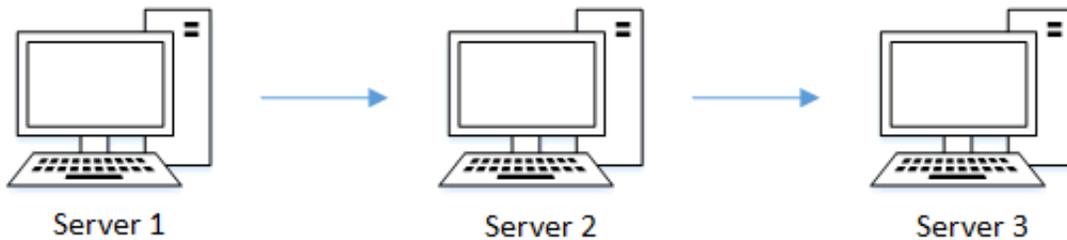
Note that the license server computers do not have to be on the same subnet—license servers can be in geographically separate locations on subnets connected to one another via internet connections. Typically, the software order from StructurePoint delineates in written authorization the usage agreement.

Licenses can be evenly distributed among all three license servers (e.g. 4 each), assuming that each group of users will use the StructurePoint programs about the same number of times. This increases performance by distributing the load between multiple license servers.

However, if a group of users ends up having a higher demand for licenses than the others, that group's license server can be set up to borrow licenses from the other license servers automatically. This improves performance and speeds license acquisition.

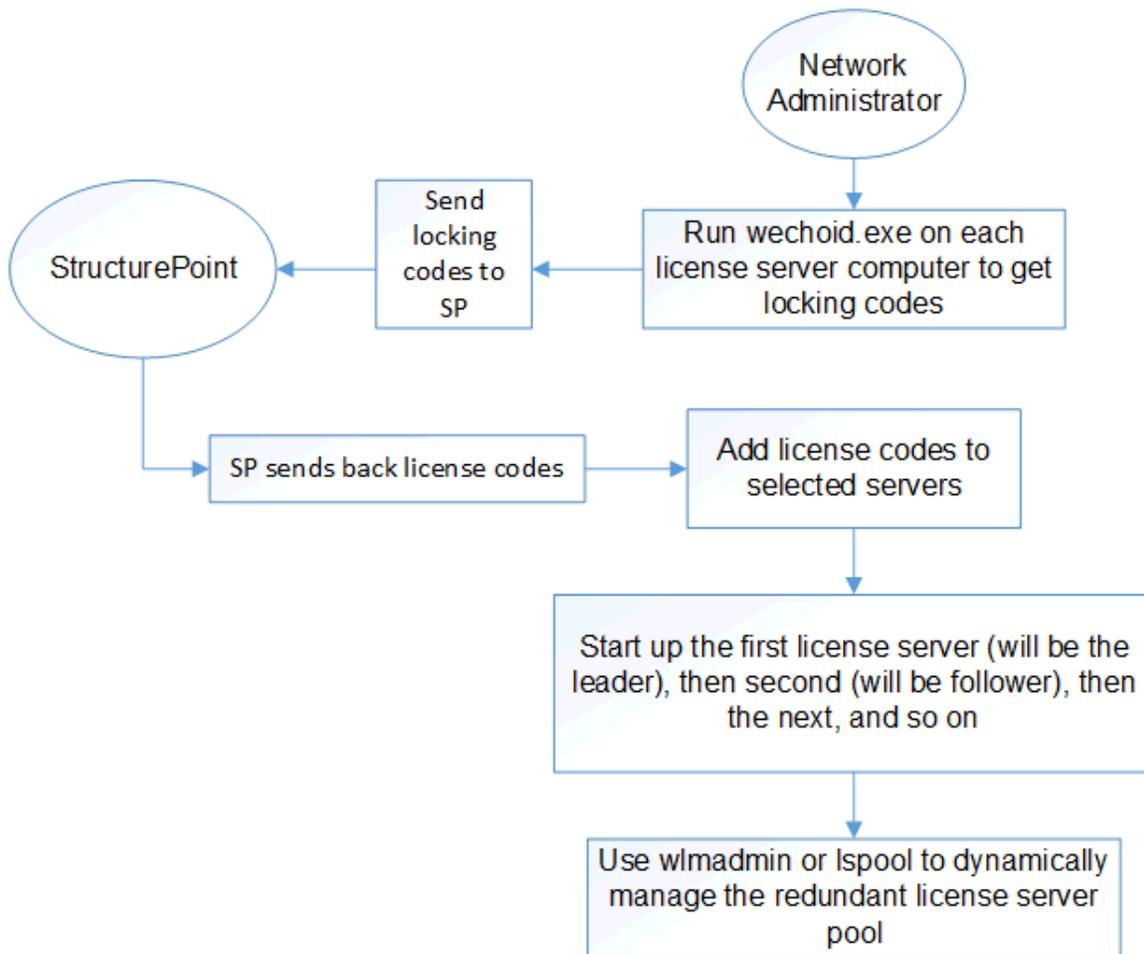
Alternatively, license servers can be configured so that only one is active and the others are solely backup license servers. In this case, all of the license tokens should be allocated to just a single license server and license balancing turned off. Then the other license servers would only be used if the main license server went down. This is the most common approach used by StructurePoint users.

If Server 1 goes down,  
then the license tokens  
from the next active server  
can be used.



There are three aspects to setting up and using redundant license servers:

- Determine how many redundant license servers to set up and select the computers on which they will reside. (Three are required as a minimum; we recommend a maximum of five.) Various factors, including network performance, affect this decision.
- Create the redundant license file, `lservrlf`, using the `rlftool` or `Wrlftool` utility (or by using `WlmAdmin` to call `Wrlftool`) to define the redundant license server pool.
- Maintain the license pool using the `lspool` and `WlmAdmin` utilities to dynamically reconfigure the Redundant license server pool and set license token allocation.



## 5.3 Troubleshooting

### Administrator Privileges:

Setting up redundant license servers requires administrator access privileges to all computers and areas of the network on which license servers will be installed. If you make changes to the redundant license file, those changes will not be distributed to all license servers in the redundant license server pool unless you have network and write access to each of the redundant license server computers.

CHAPTER

# 6

## Licensing - USB Key

6.1 Introduction .....	46
6.2 Setup & Installation.....	47
6.3 Troubleshooting.....	49

## 6.1 Introduction

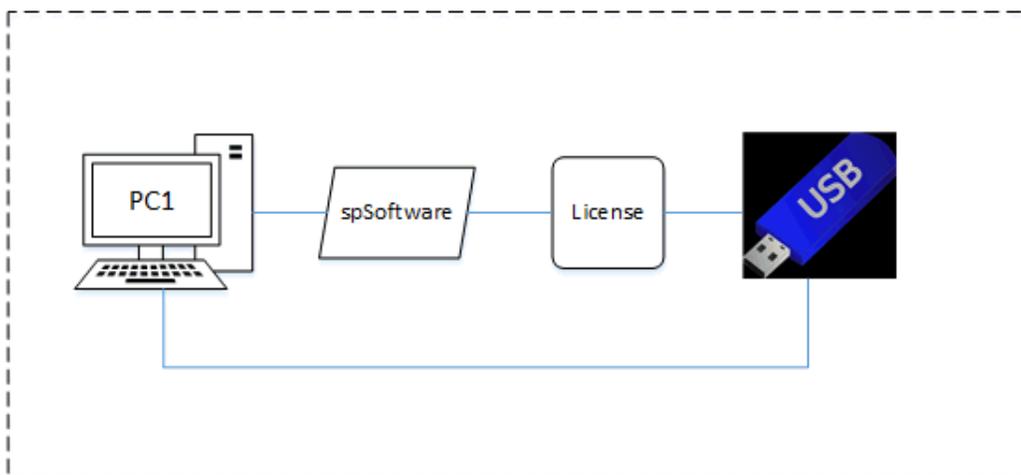
A USB key license is similar to a standalone license but permits the use of StructurePoint software on any computer where the purchased USB key (Hardware key) is attached and the appropriate drivers are installed.

Unlike a standalone license, the USB license code is generated by StructurePoint for the USB key and not for the user's computer.

After your order is placed, StructurePoint will ship USB key(s) along with software CD and other media. Your USB license code(s) will be e-mailed to you for each software that you have purchased.

After you have received the license code e-mail and the CD package, three steps are required to activate a USB key license on a computer:

- Install USB Key Driver (32 bit or 64 bit)
- Enter License Code
- Run StructurePoint Software



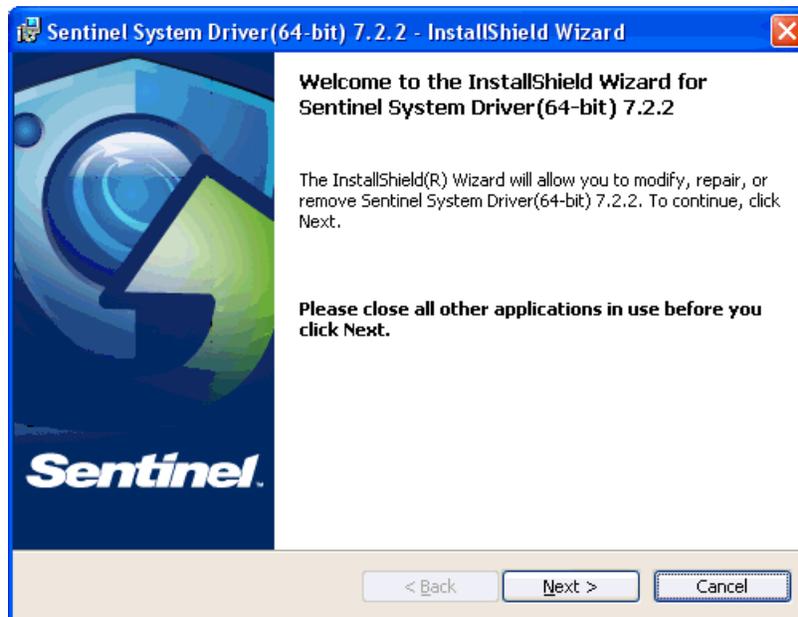
## 6.2 Setup & Installation

### Step 1: Installing USB Key Driver

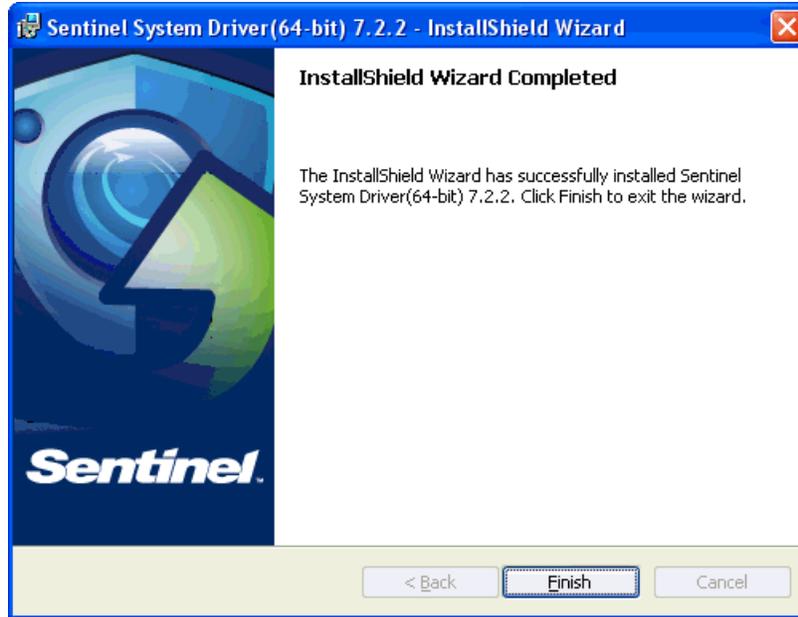
Note: If you are using a 32 bit chipset computer please contact StructurePoint for additional support. If your computer is 64 bit, please proceed to the following instructions

The driver must be installed as follows for the USB key on your computer to be recognized and function automatically.

1. Remove USB key if it has been plugged into your computer.
2. Download the SentinelSystemDriver(64-bit)7.2.2.zip file [here](#).
3. Unzip the file and install the **setup.exe**.
4. Press the Next button on the welcome screen as shown below.



5. Review the license agreement carefully. If you agree, select the I accept the terms in the license agreement radio button, and press Next button.
6. Select Complete radio button, then press Next button.
7. Press the Install button to start installation.
8. Press the Finish button to close the window when the installation is completed.



9. To complete the installation, a computer restart is required.

## Step 2: Entering License Code

If you have not received the license code please e-mail StructurePoint at [Licensing@StructurePoint.org](mailto:Licensing@StructurePoint.org)

1. Install StructurePoint software (e.g. spSlab) if it has not been installed.
2. Open Windows Explorer.
3. Go to the StructurePoint software folder (i.e. C:\Program Files\StructurePoint\pcaSlab).
4. Replace the lservrc file with the new file provided to you in the e-mail from StructurePoint. Make sure this file is named correctly as lservrc without any extension.

If you have ordered a network license locked to a USB key, please contact StructurePoint for instructions.

## Running SP Software

Before you run SP software, make sure the USB key is properly plugged into a USB port of your computer. The instructions above (Installing USB Key Driver and Entering License Code) must be performed on each computer that requires the SP software. If you have more than one USB key for StructurePoint software, you may save all the license codes (one license code for each key)

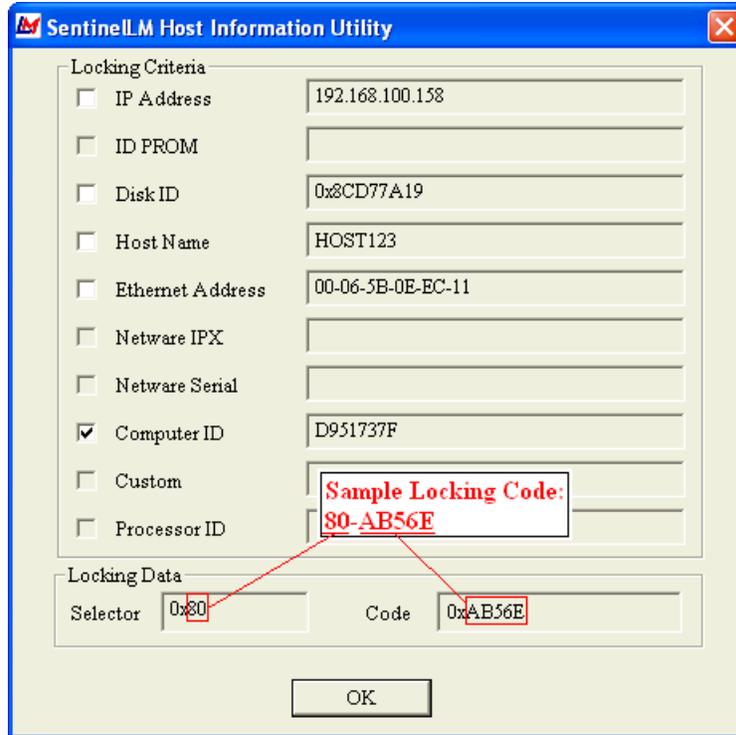
into the same lservc file in the SP software folder so that any of the keys can be used to run the SP software.

## 6.3 Troubleshooting

USB Key Installation is very sensitive to hardware and software environment used. Please contact StructurePoint via email to request assistance

Each USB key contains a unique locking code. Your license code is generated based on the locking code by StructurePoint and sent to you in a license file via e-mail. It is not necessary for you to know the USB key locking code. In case you need to, however, please follow the steps below.

1. Make sure the driver for the USB key has been installed. If the drive has not been installed, please follow the instructions [here](#).
2. Plug USB key into a USB port of your computer.
3. Run the file wechoid.exe. This file can be downloaded from our website [here](#).
4. Check only the Computer ID box and uncheck all others. If this check box is disabled, it means that the driver is not installed properly or the key is not plugged into the USB port. If the Selector text box does not show 0x80, please make sure that only the Computer ID check box is checked. On the sample screenshot below, the locking code is 80-AB56E. Please note that yours may be different.



CHAPTER

7

# Licensing - Toolbox

7.1	Licensing Error Messages .....	52
7.2	Firewall Settings.....	59
7.3	RMS 8.5.0 Override .....	69
7.4	SLM User's Guide .....	69
7.5	Reporting Tools.....	70
7.6	Silent Installation .....	71
7.7	Linux Support.....	73
7.8	Citrix Thin Client .....	73
7.9	Download Links.....	74
7.10	User Account Control Issues.....	74
7.11	Sentinel License Server Download .....	75
7.12	Old Style Locking-code .....	75

## 7.1 Licensing Error Messages

### Error 4:

See Sequence Error 17, 4, 30004.

### Error 5:

“Cannot talk to the license server on host.”

Applies to: Network License

### Solution:

- On the server, open a port or disable windows firewall. Refer to Troubleshooting/Firewall Settings instructions under Network Licensing (e.g. [here](#))

### Error 6:

“Lock code mismatch – Uploaded code no longer works.”

Applies to: Network License

### Solution:

- On the server, remove the license and post it again or get a new locking code and add a new license for the new locking code

### Error 17:

“No servers are running on this subnet.”

Applies to: Network License or Standalone License

### Solution:

- Most commonly the result of putting a network license in a standalone activation (or vice versa)
- Running the StructurePoint software as an administrator (right-click + ‘Run as Administrator’)

- Incomplete license code is pasted. E-mail viewers often truncate the license string when copying from within
- For standalone licensing, another option is to set the environment variable to “no-net” because of another software possibly forcing the program to look for a license on another network server
- If RMS is not used, review list of “Services”. If Sentinel LM does not show up, run loadls (for LMS: Program files\Rainbow Technologies\Admin\Server\WinNT\loadls) to restart the service

### **Error 18:**

“No license code is available on host for feature.”

Applies to: Network License

### **Solution:**

- Verify license code has been added to the server and make sure the end user is running the correct version of the program to match the license version on the server. This can happen when the end-user has two versions of WlmAdmin tool open and has made changes to one and not the other

### **Error 19:**

“Failed to add license code to the license server on host.”

Applies to: Network License or Standalone License

### **Solution:**

- In Windows 7/8/10, the locking code changes based on admin or not admin being logged in. Please ensure locking code is obtained by running Wechoid as an administrator. Sometimes using the “IP address” as a locking criteria is more reliable depending on the network situation. Using the IP-Lock has successfully fixed error #19, when running as admin did not fix
- If the locking code is correct and the complete license is still not working and the environmental variable is not an issue for STA, the license code can be added to the lservrc file manually. Refer to Standalone Troubleshooting here
- If the client is running a different license manager (RMS), sometimes they will get error #19 when attempting to enter the license code into LMS 7.2.3 when it needs to be entered in RMS 8.5.x. Make sure LMS and RMS are not running simultaneously by going to

“Services”. Have client stop service “sentinel LM”. Make sure their service “Sentinel RMS” is “Started”. If not, right click, and “Start” the service

- Remove old/expired StructurePoint licenses (“features”) from the server. After removing old licenses, new strings may add successfully
- RMS is provided in different versions depending on the supplier. The StructurePoint version can be added to all versions except 8.5.0 which requires special authorization from StructurePoint

### **Error 25:**

“Client – Server version mismatch.”

Applies to: Network License

### **Solution:**

- Upgrade to RMS license manager from LMS
- Run “loadls.exe” in C:\Program Files (x86)\Common Files\SafeNet Sentinel\Sentinel RMS Utilities

### **Error 26:**

“Request denied due to clock tamper.”

Applies to: Network License or Standalone License

### **Solution:**

- Make sure the end user is running the correct version of the software and that the lshost.txt file is pointing to the correct license server
- Request the new Nqmath.dll authorization file if customer is using 8.5.0 version of the license server
- Run the program as administrator (right-click + ‘Run as Administrator’) and if the problem isn't resolved, contact StructurePoint

### **Error 75:**

“Failed to issue commuter license.”

Applies to: Commuter License

**Solution:**

- This may occur if a commuter license is already on the system or the commuter license is corrupt. It may be necessary to clean the system with lsclean utility

**Error 92 (with RMS 8.5.x):**

Failed to add license code to the license server on host “no-net”. License code is invalid.

Applies to: Network License and Standalone License

**Solution**

- Incomplete license code. Make sure the entire license code is applied. Some e-mail viewers truncate the license and show it in multiple lines causing an incomplete copy and paste

**Error 93 (with RMS 8.5.x):**

Failed to add license code. License already added on host.

Applies to: Network License

**Solution:**

- Verify the seat count has changed in WlmAdmin on the server. This indicates new licenses have been added to active licenses and show a new higher total. Newer licenses will remain with a new end date after older licenses have expired and the license count drops. Verify programs works on end-user machine
- Remove and re-add license

**Error 102 (with RMS 8.5.x):**

Failed to add license code. Network server contacted for standalone license.

Applies to: Network License

**Solution:**

- Can't use a standalone license on WLMadmin



## Error 10004:

License Activator Error - "Failed to set data for..."

Applies to: Network License or Standalone License

## Solution:

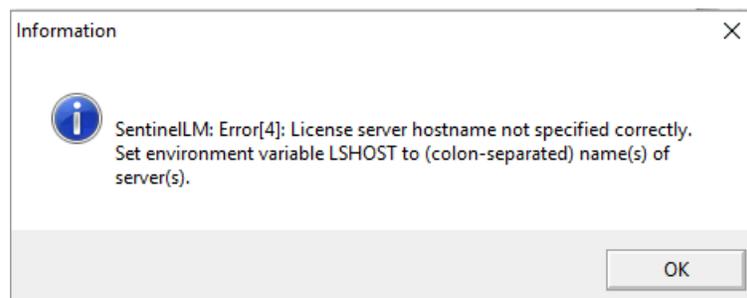
- Run the program as administrator

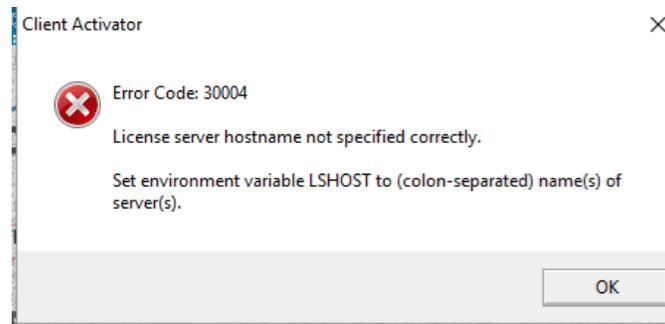
## Sequence Error 17, 4, 30004:

Applies to: Network License or Standalone License

## Solution:

- These errors may happen in sequence. The user is advised to close the software and then open it again by "Run as Administrator"



**Error:**

License does not work but older license versions work.

Applies to: Network License

**Solution:**

- Remove the license for old PCA program versions as they interfere with the ability of StructurePoint licenses to work correctly

**Error:**

Remote commuter license can't be checked back in.

Applies to: Commuter License

**Solution:**

- This is by design. Remote commuter licenses aren't supposed to be checked back in. It will expire and then the license will be released

**Error:**

Remote commuter license can't be checked back in.

Applies to: Commuter License

**Solution:**

- This is by design. Remote commuter licenses aren't supposed to be checked back in. It will expire and then the license will be released

## “All network license tokens in use or none is found”

Applies to: Network License

### Solution:

- Verify start and end date in WlmAdmin. Expired license will continue to be displayed in list but cannot support program operation
- Verify end user is pointed to the active server using lshost.txt and the server has active licenses
- Investigate whether active users occupying all available licenses
- Review network license troubleshooting section

## License date not updating:

Additive Network License.

Applies to: Network License

### Solution

- Adding a new network license to a non-expired license will combine them with the seats added together and the older expiration will persist. When older license expires, the expiration date of the newer license will show up

## Error-Trial period has expired:

Evaluate button is unavailable and program can't start.

Applies to: Standalone License

### Solution:

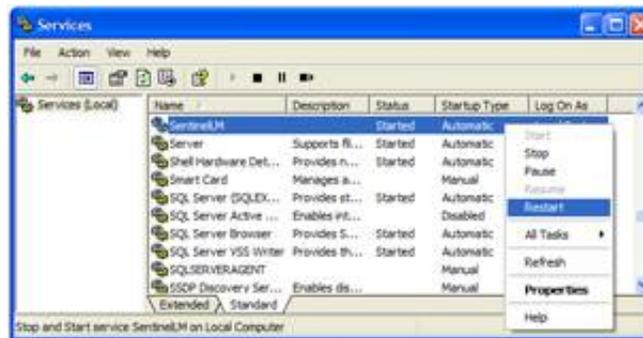
- Run as administrator if evaluating the software or contact StructurePoint to obtain a new license
- If you have a network license, see Network License setup

## 7.2 Firewall Settings

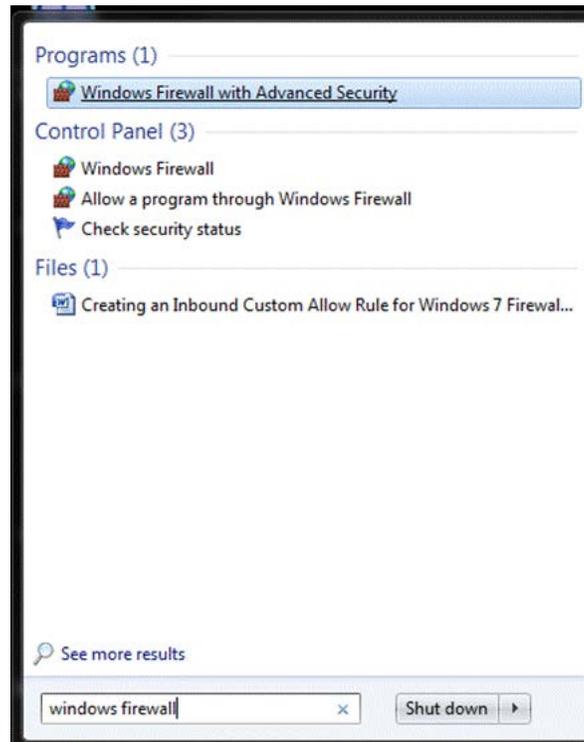
### Add UDP Port Exception for License Server (XP/2003/2008):

It may be necessary to set up an exception in Windows Firewall. Open Control Panel and check the status of the Windows firewall. If the status is On, add an exception for UDP port 5093. Open this port if it is blocked by any other active firewall software running on the server.

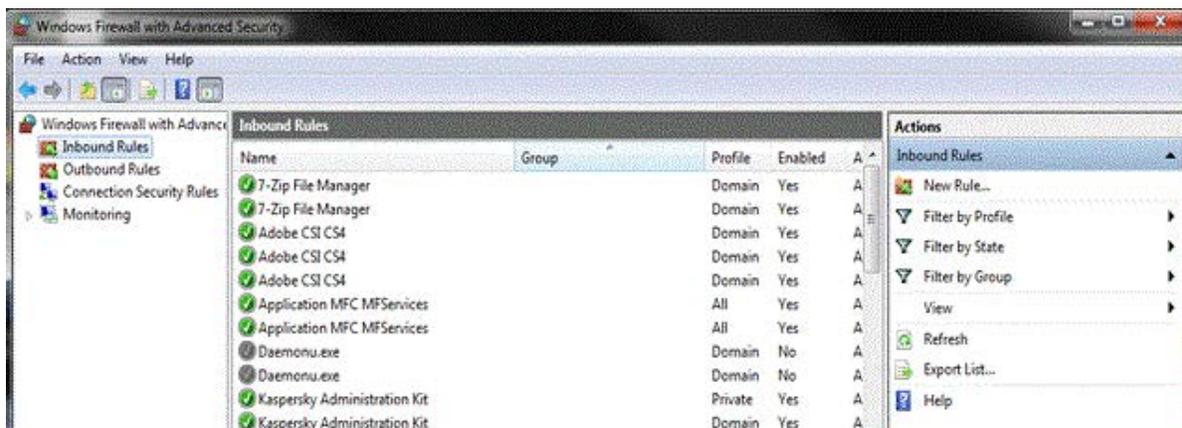
For Windows NT or later: Go to Start | Control Panel | Administrative Tools, and then double click on Services. A service named SentinelLM should be listed. If its status is Stopped, right click on it and select Start from the pop-up menu. If its status is Started, restart it by clicking on Restart from the pop-up menu.



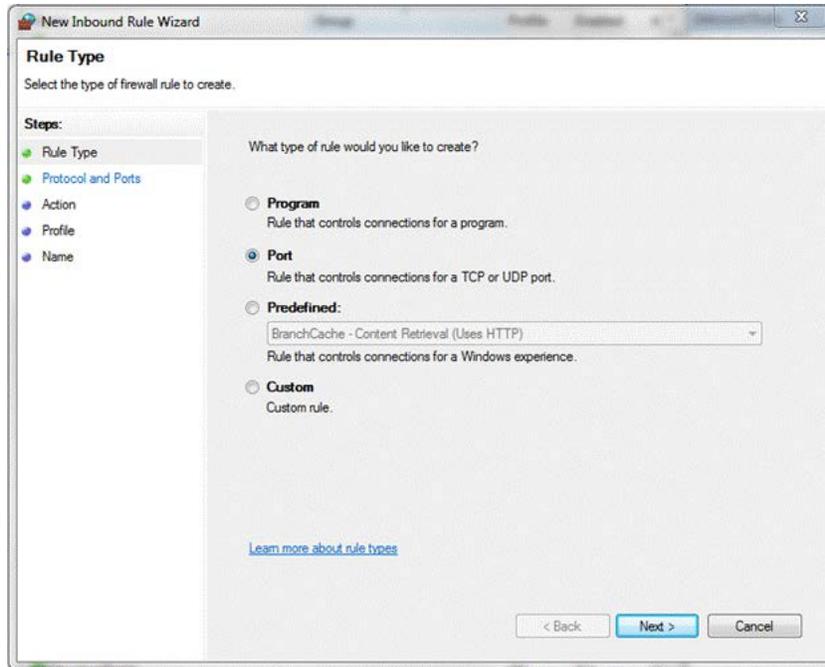
## Add UDP Port Exception for License Server (Windows 7 and Server 2012):



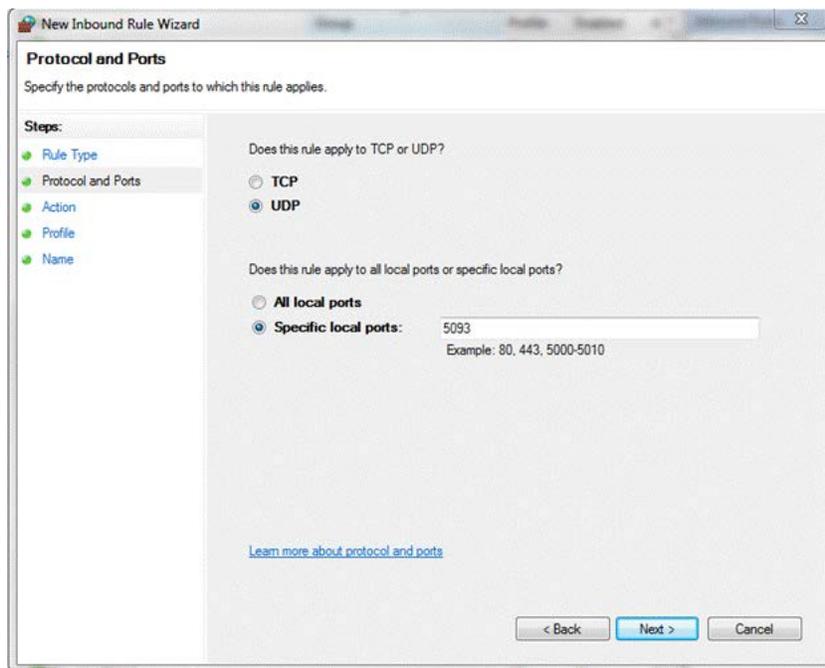
1. Type “Windows Firewall” into Windows Explorer
2. Click “Windows Firewall with Advanced Security.”



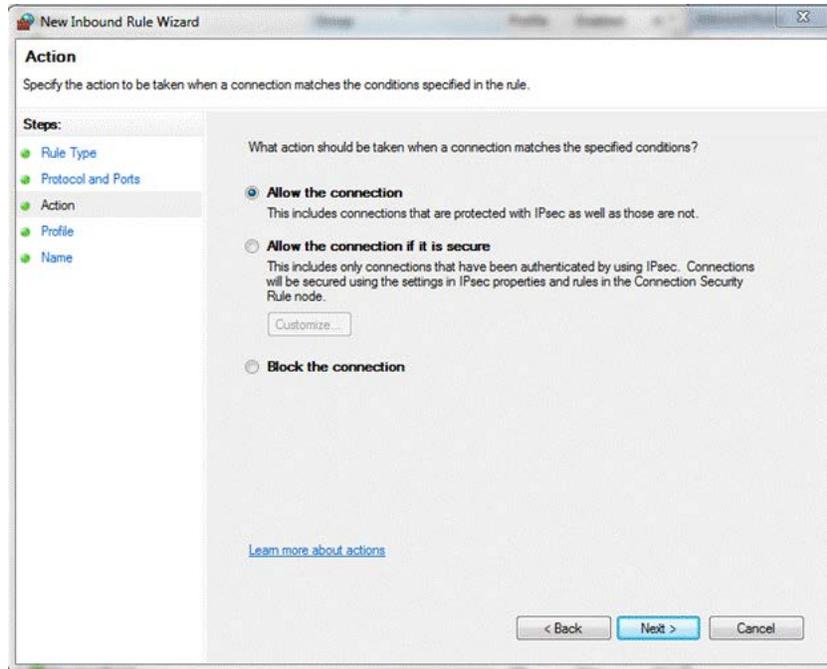
3. Select “Inbound Rules” on the left pane. Select “Inbound Rules” on the left pane.
4. Select “New Rule...” on the right pane.



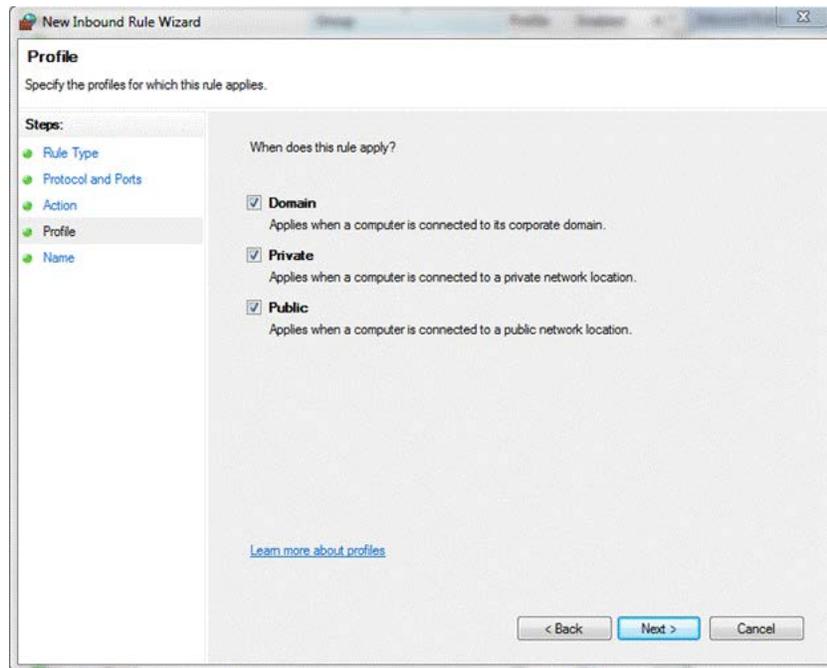
5. Select “Port” when prompted for rule type. Then click “Next>”



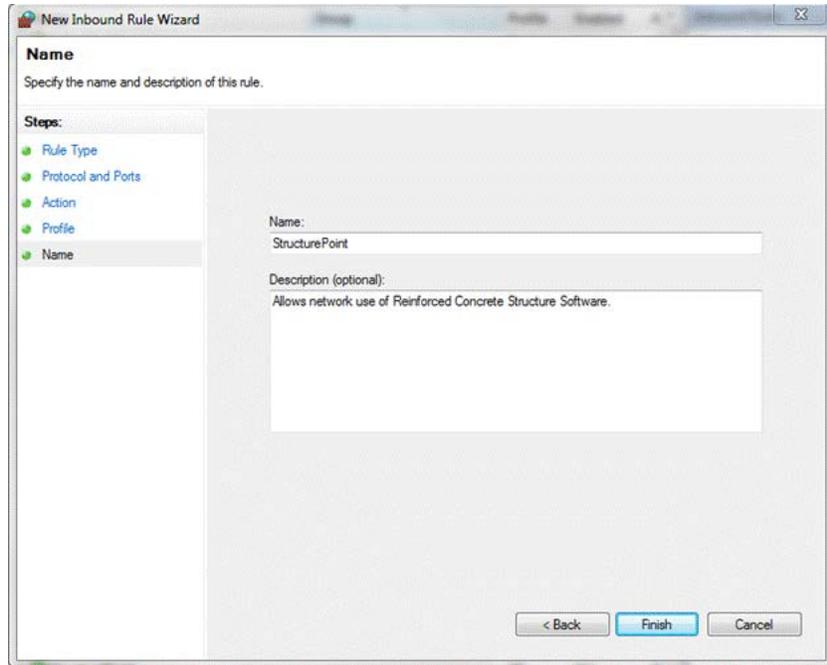
6. Select “UDP” when prompted.
7. Select “Specific local ports” and enter “5093” in the text box. Then click “Next>”



8. Select “Allow the connection”. StructurePoint programs use the specific UDP port 5093 to communicate with the License Manager.



9. Select rule application, then click “Next”



10. Name, describe, and “Finish”.

### Add UDP Port Exception for License Server (Small Business Server):

1. Open the Windows SBS Console.
2. On the navigation bar, click Network, and then click Connectivity.
3. Right-click Server firewall, and then click View firewall properties.
4. Click the Advanced tab, and then click Manage rules.
5. Click Allow a program through Windows Firewall.
6. On the Exceptions tab, click Add port.
7. In the text boxes, type a name for the port that you want to open and the port number, click TCP or UDP, and then click OK.
8. Verify that the name of the port is listed in the Program or port text box, with the check box selected. Click OK.

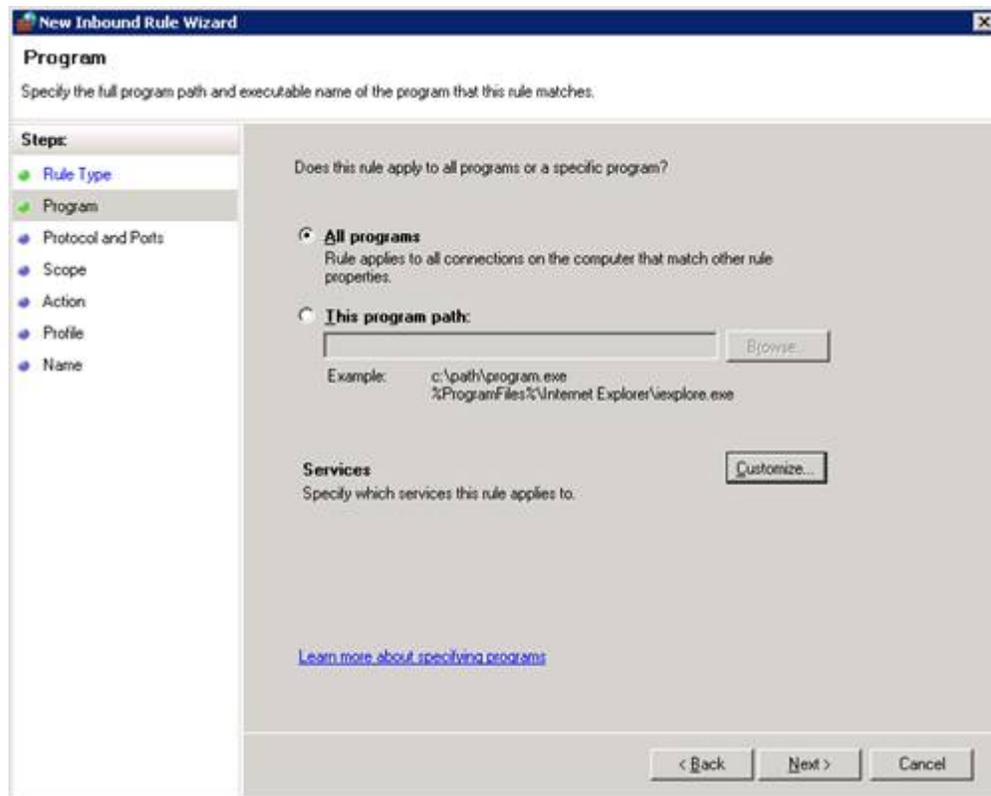
### Custom Inbound Rule for Windows Firewall

When the license server and the StructurePoint software program are installed properly but fail to communicate one of the likely reasons could be a firewall restriction. An inbound rule can be created to permit the connection between the server and the workstation through the firewall.

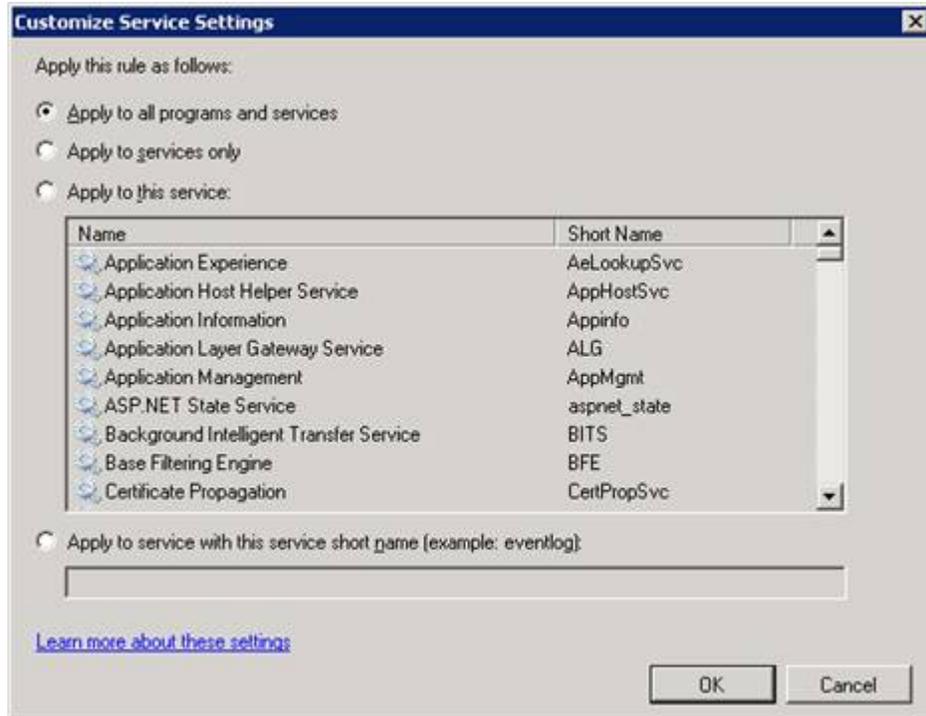
## Creating an Inbound Custom Allow Rule

1. Launch Windows Firewall with Advanced Security by clicking on Start > Administrative Tools > Windows Firewall with Advanced Security.
2. Select Inbound Rules in the left pane and click New Rule under Inbound Rules in the Actions Pane.
3. The New Inbound Rule Wizard will launch. Select Custom and click Next.
4. This screen is to determine if this rule applies to all programs or a specific program. If it is for all programs select that option or if this rule is to apply to a specific program then you will need to click the "This program path:" radio button and then browse to the specific program (image 4a). If the rule applies to a specific service click the customize button next to services and select the service from the Customize Service Settings window. You options are to apply to all programs and servers, services only, a specific service or apply to a service by the Short Name (image 4b). Click Next to continue.

4a

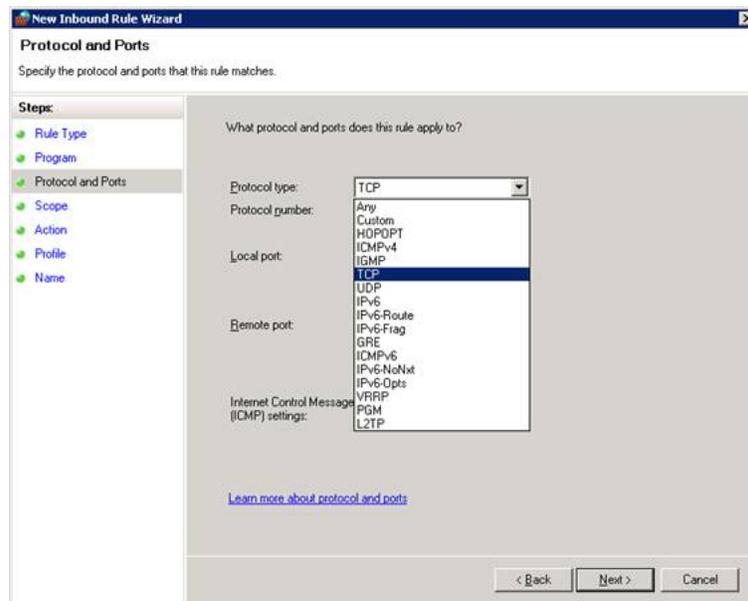


4b

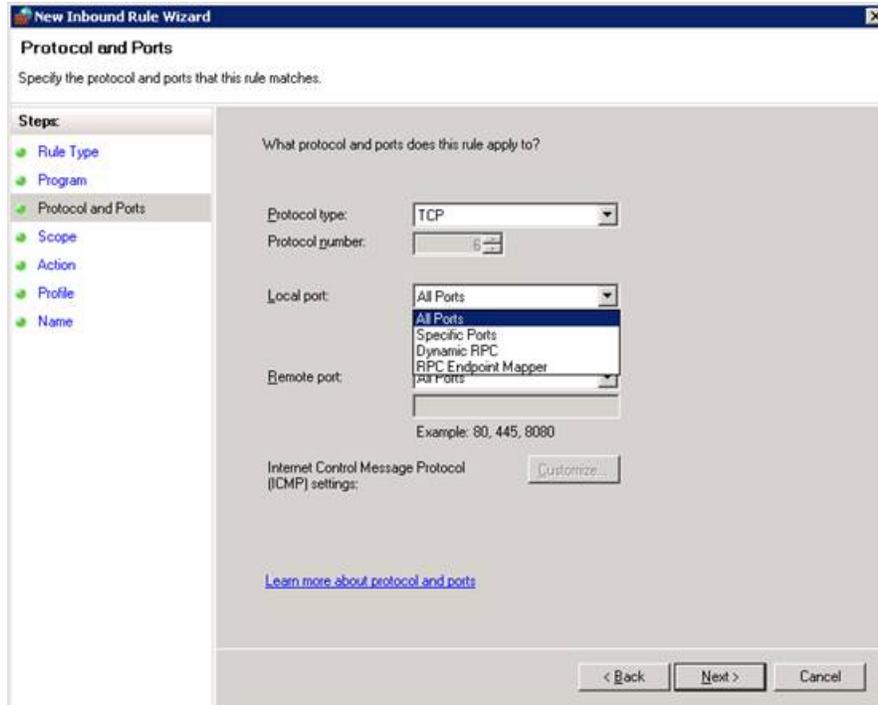


5. This page will allow you to select a protocol, a local port, a remote port and if you select ICMP you can customize the settings for ICMP as well. After setting all the options in this section click Next to continue.

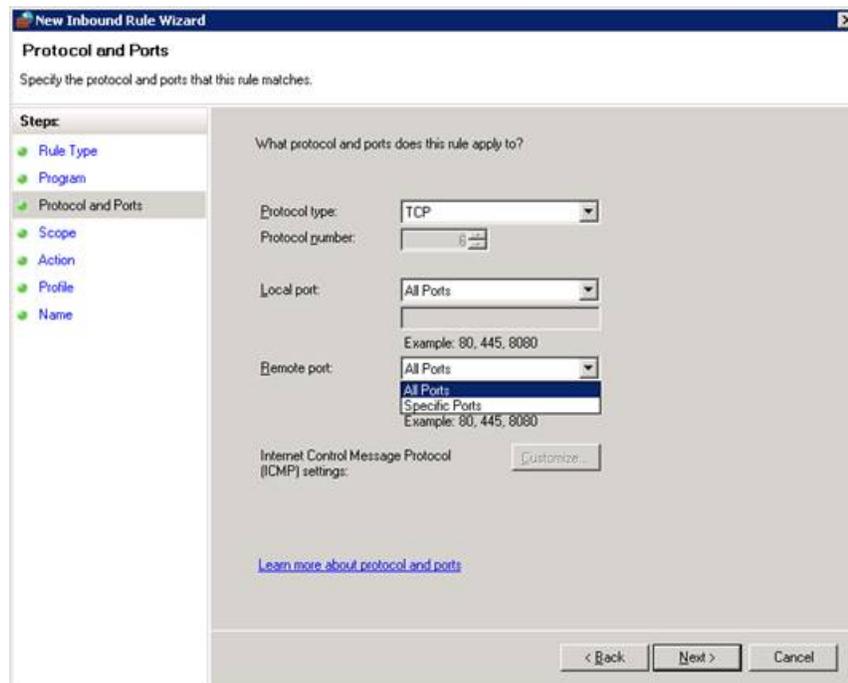
Select a protocol from the drop down list here.



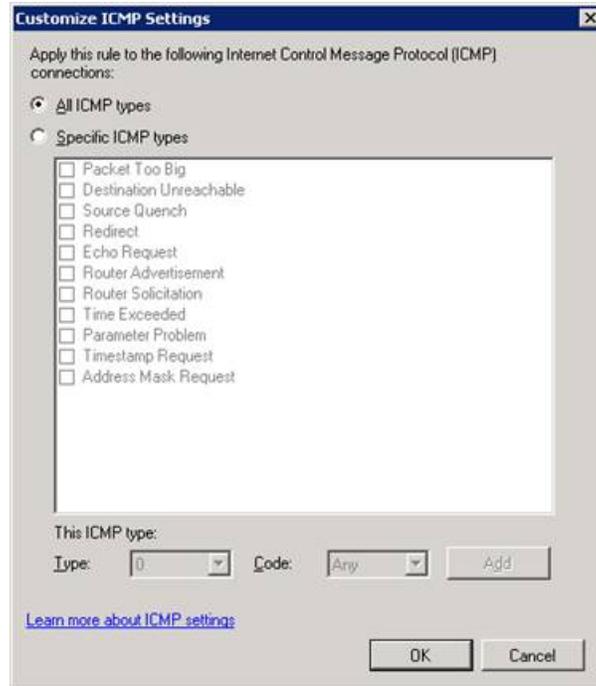
Select the Local Port from the drop down list here



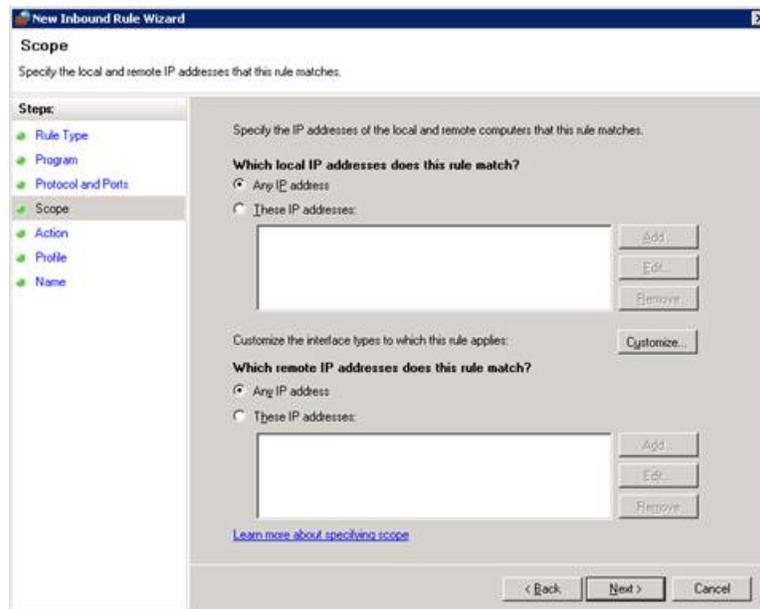
Select the Remote Port from the drop down list here



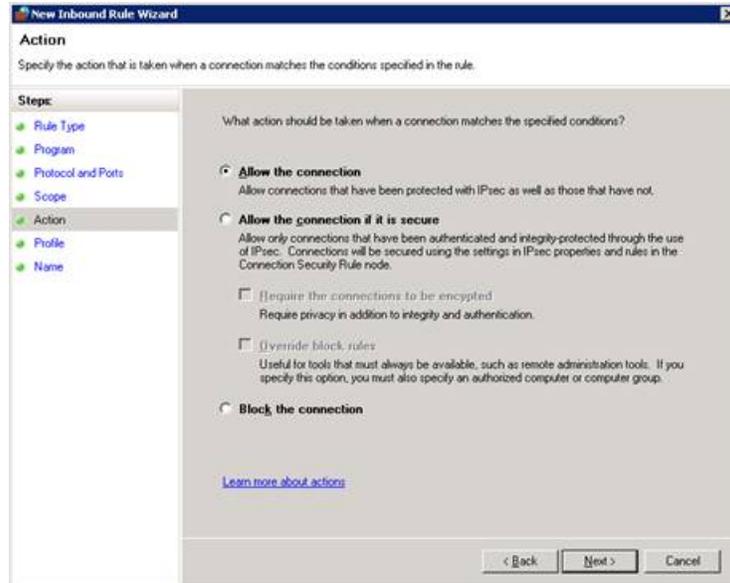
If you selected ICMP under the protocol list you will be able to further define the settings here after clicking on the Customize button.



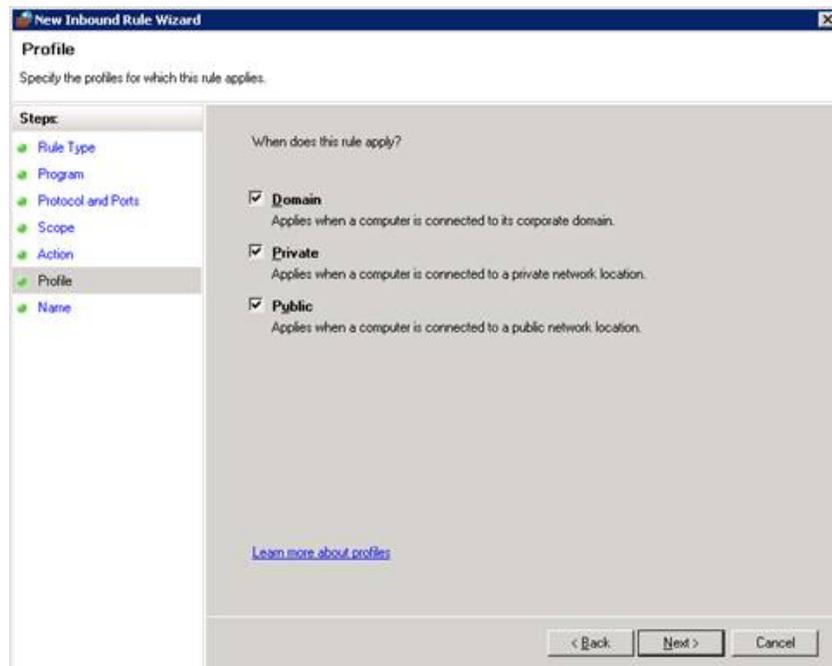
6. On this screen you will be able to set the scope of the rule by applying it to all IP addresses or just selected Local or Remote addresses. You can also customize which interface the local IP addresses pertain to. Click Next to continue.



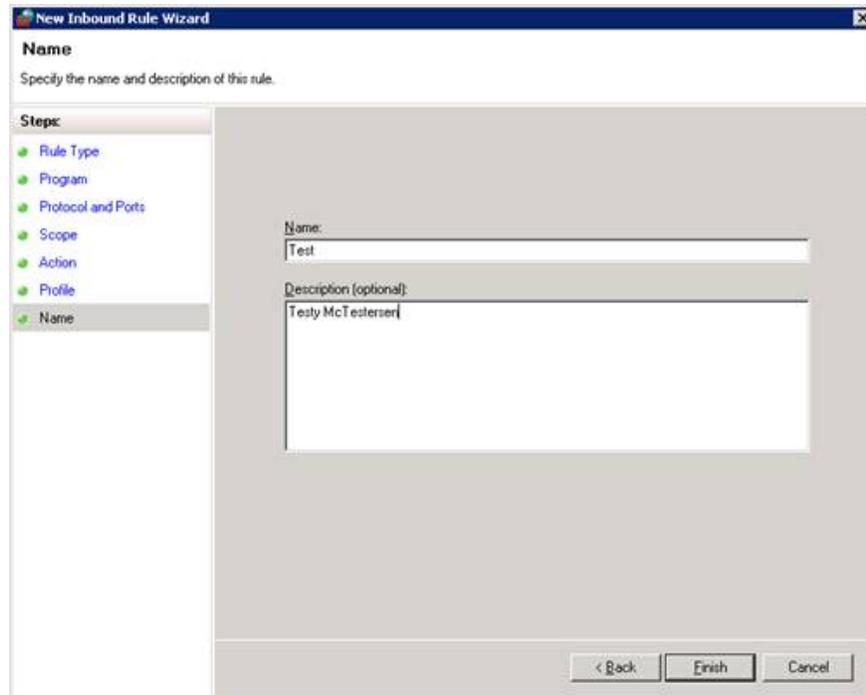
7. Since this is for an allow rule you will need to select whether to allow this traffic for all connections (secure and insecure) or only if the connection is secure. If you require the connection to be secure you can also specify if it also requires Encryption or if it overrides block rules. Click Next to continue.



8. On this screen you can select which profiles the rule applies to. Domain applies when the inbound connection is coming from a computer within the domain. Private applies when the inbound connection is coming from a source that has selected Private for its profile. Public applies to all connections coming from a source whose profile is set to Public. You can select one, two, or all three. Click Next to continue.



9. This is the screen where you will give the rule a name and any description you would like to specify. Click Finish to create the rule and go back to the main screen.



## 7.3 RMS 8.5.0 Override

This is required for Network License setups with servers running Sentinel RMS 8.5.0. This license server version requires authorization from StructurePoint to replace a file in each of StructurePoint's program folders on every end user's machine.

- Please contact StructurePoint to request the RMS 8.5.0 patch
- In program folders (e.g. C:\Program Files\StructurePoint\spColumn or c:\Program Files (x86)\StructurePoint\spColumn) on the client computers, replace existing NqMath.dll with the downloaded 2.0.4 version (administrator privileges may be required)

## 7.4 SLM User's Guide

The Sentinel License Manager is used by StructurePoint to manage licensing in multi-user environments. It keeps track of all licenses and handles requests from network users who want to run StructurePoint programs, granting authorization to the requesters to allow them to run the

program, and denying requests when all licenses are in use. It is an integral component of the network licensing systems that can be implemented with Sentinel LMS/RMS, namely server-locked licenses, site licenses, and commuter licenses.

The License Manager usually runs on a computer within the network where users (clients) have installed the licensed software. LMS/RMS does not support servers with numeric host names. The License Manager may not start on such machines due to external dependencies.

Usually the licenses reside on the License Manager in a license file. On startup, the License Manager reads the licenses from the file and creates a license table. Otherwise, these are added dynamically to the License Manager. The dynamically added licenses are only available in the License Manager memory. Once the License Manager is stopped, the availability of these licenses is lost.

StructurePoint programs look for a License Manager with available licenses upon starting. When the licensed program is run on a client, a request is sent to the License Manager for obtaining an authorization. The License Manager processes the request (including the task of authenticating the clients, if required) and returns the status to the client. The License Manager maintains each request separately, treating these authorizations as separate clients.

Sentinel License Manager manual can be found [here](#).

## 7.5 Reporting Tools

Sentinel License Manager allows the creation of usage reports. For further instructions or for the reportdb.mdb file itself, please contact StructurePoint.

## 7.6 Silent Installation

### New v10.00 Setup.exe Installations Command Line Options

For spMats v10.00, use command:

```
spMatsInstall1000.exe /s /v"/qn INSTALLDIR=\"C:\Program Files (x86)\\" "
```

For spColumn v10.00, use command:

```
spColumnInstall1000.exe /s /v/qn
```

<p><b>/s</b></p>	<p>Basic MSI, InstallScript, InstallScript MSI</p>	<p>For an InstallScript MSI or InstallScript project, the command Setup.exe /s runs the installation in silent mode, by default based on the responses contained in a response file called Setup.iss in the same directory. (Response files are created by running Setup.exe with the /r option.) To specify an alternative file name or location of the response file, use the <a href="#">/f1 option</a>.</p> <p>The command Setup.exe /s also suppresses the Setup.exe initialization dialog for a Basic MSI installation, but it does not read a response file. To run a Basic MSI installation silently, use the following command line:</p> <pre>Setup.exe /s /v/qn</pre> <p>To specify the values of public properties for a silent Basic MSI installation, you can use a command such as the following one:</p> <pre>Setup.exe /s /v"/qn INSTALLDIR=D:\Destination"</pre> <p> <b>Note:</b> Using this command-line parameter to launch an installation that includes an InstallShield prerequisite does not automatically run the prerequisite installation silently. You may also need to specify a valid silent command-line parameter for the InstallShield prerequisite in the <b>Specify the command line for the application when the setup is running in silent mode</b> setting on the Application to Run tab in the InstallShield Prerequisite Editor.</p> <p>For more information, see <a href="#">Specifying Command-Line Parameters for an InstallShield Prerequisite</a>.</p>
------------------	--	---

## WiseScript Installations Command Line Options

You can apply the following command line options to .EXE files that you compile from WiseScript Package Editor Projects.

Option	Function
/T	Installs in Test mode
/X pathname	Extracts files to the specified path.
/Z pathname	Extracts files to the specified path, then reboots.
/M	Runs the installation in manual mode, prompting for system directories (examples: Windows, System).
/M=filename	Specifies a values file for installation.
/M1	Displays the name of each self-registering .OCX or .DLL as it is registered.
/M2	Reserved for internal use by WiseScript Package Editor during debugging sessions.
/M5=dir_name	During installation, temporary files are written to the hard drive. On some locked-down machines with restricted privileges, these temporary files might fail to write, resulting in a failed installation. Use this command line option to specify a directory name for which the end user has write privileges.
/S	Installs in silent (automatic) mode with no end user choices.

## WiseScript Uninstall Command Line Options

You can apply the following command line options to the WiseScript Express uninstall executable file, unwise.exe or unwise32.exe

Option	Function
/Z	Removes empty directories, including the one containing Unwise.
/A	Automatic mode. The Wise splash screen appears on the destination computer, and the uninstall proceeds immediately with no end user choices, except for questions about uninstalling shared files
/S	Silent mode. The uninstall proceeds silently with no splash screen, no dialogs, and no end user choices
/R	Rollback mode.
/U	Removes the Select Uninstall Method dialog, which means the end user does not see options for a custom, automatic, or repair uninstall

When you use command line options for the uninstall program, you must send it the path to the log file as a parameter. It must be the log file that is in the same folder as unwise.exe. If the path to the log file contains spaces, it must be surrounded by quotation marks.

## Example

```
"C:\Program Files\Application\UNWISE.EXE" /A "C:\Program Files\Application\INSTALL.LOG"Application Uninstall
```

## 7.7 Linux Support

Sentinel License Manager (LMS and RMS) supports Windows 32 and 64 bit operating systems. Non-windows operating systems such as Solaris, Linux, and Macintosh are also supported. On UNIX, you can place the License Manager executable (lserv) at any chosen location. The License Managers may exist on different platforms than the clients running the licensed application. For example, a License Manager running on UNIX may administer Windows clients. The system administrators, who will be deploying StructurePoint software and administering the License Managers in a Linux environment, may require additional documentation provided by Safenet. More information can be found [here](#).

## 7.8 Citrix Thin Client

Support for thin clients is available. However, performance on a thin-client terminal with limited resources may be inadequate for structural modeling using StructurePoint software. The optimal method of operating StructurePoint software is to run on a high performance desktop computer with hardware specifications suitable for CAD operations. Contact StructurePoint for more information.

## 7.9 Download Links

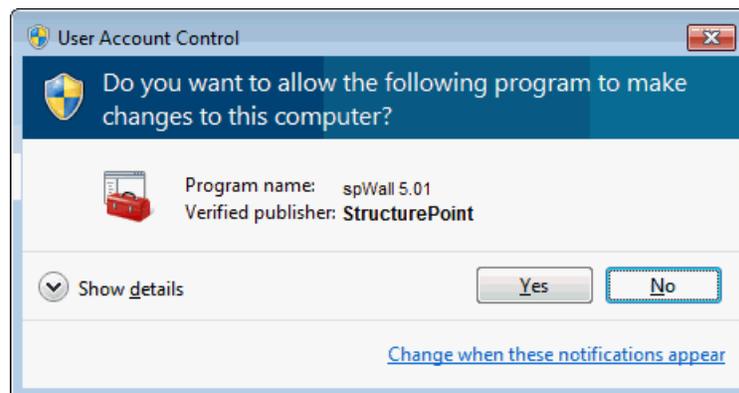
The most current versions of all of our software products can be installed from the following links.

- [spBeam](#) (formerly pcaBeam/PCABEAM) v5.50
- [spSlab](#) (formerly pcaSlab/ADOSS) v5.50
- [spColumn](#) (formerly pcaColumn/PCACOL/irrCOL) v10.00
- [spMats](#) (formerly pcaMats/MATS) v10.00
- [spWall](#) (formerly pcaWall/TILT) v10.00
- [spFrame](#) (formerly pcaFrame/pcaCAD) v1.50a

Review StructurePoint [Manuals](#), [Release Notes](#), and [Resources](#).

## 7.10 User Account Control Issues

User Account Control may come up multiple times in the installation and use of StructurePoint software. It is to ensure the security of your computer. Microsoft describes it more in detail [here](#).



Also, when prompted by Windows to confirm if program was installed correctly, choose Yes. Otherwise, it will change the properties to require Administrator credentials at every startup.

## 7.11 Sentinel License Server Download

For Network License setups, a license service running on a network server to distribute licenses to end users is needed. If network licensed software is already running on the network, it is likely that Sentinel or something similar has been previously installed. If not, please download the [License Server](#). Additional instructions can be found in the Setup & Installation page under Network Licensing.

## 7.12 Old Style Locking-code

If the Old style locking-code is not available, please download this version of [wechoid.exe](#) to get the “Old Style” locking-code for licensing.