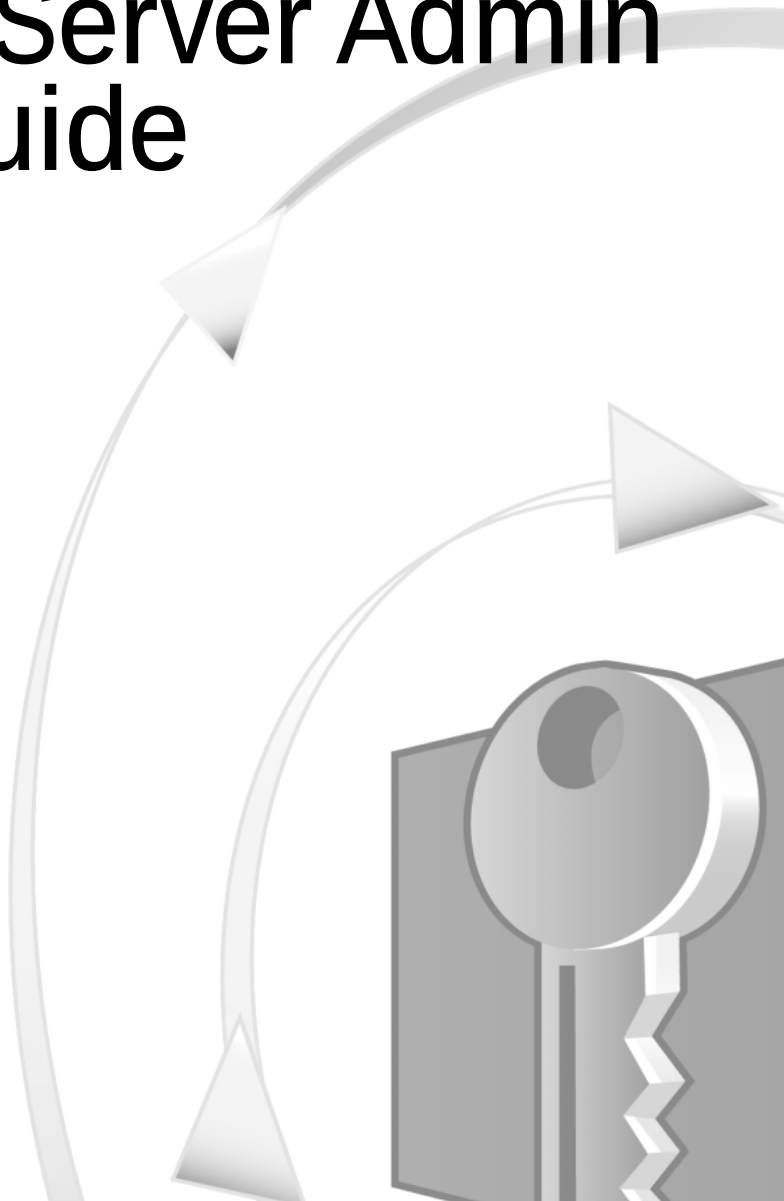
# License Server Admin Utility Guide



Seapine Software™
*changing the world of software development*

**August 2003**

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# Chapter 1
# Getting Started

## On your mark, get set, go!

Seapine License Server is a client/server application that concurrently manages licenses for all Seapine products. It lets you remotely manage licenses, and global users, for all Seapine products from one computer while simplifying IT administrative tasks associated with license management.

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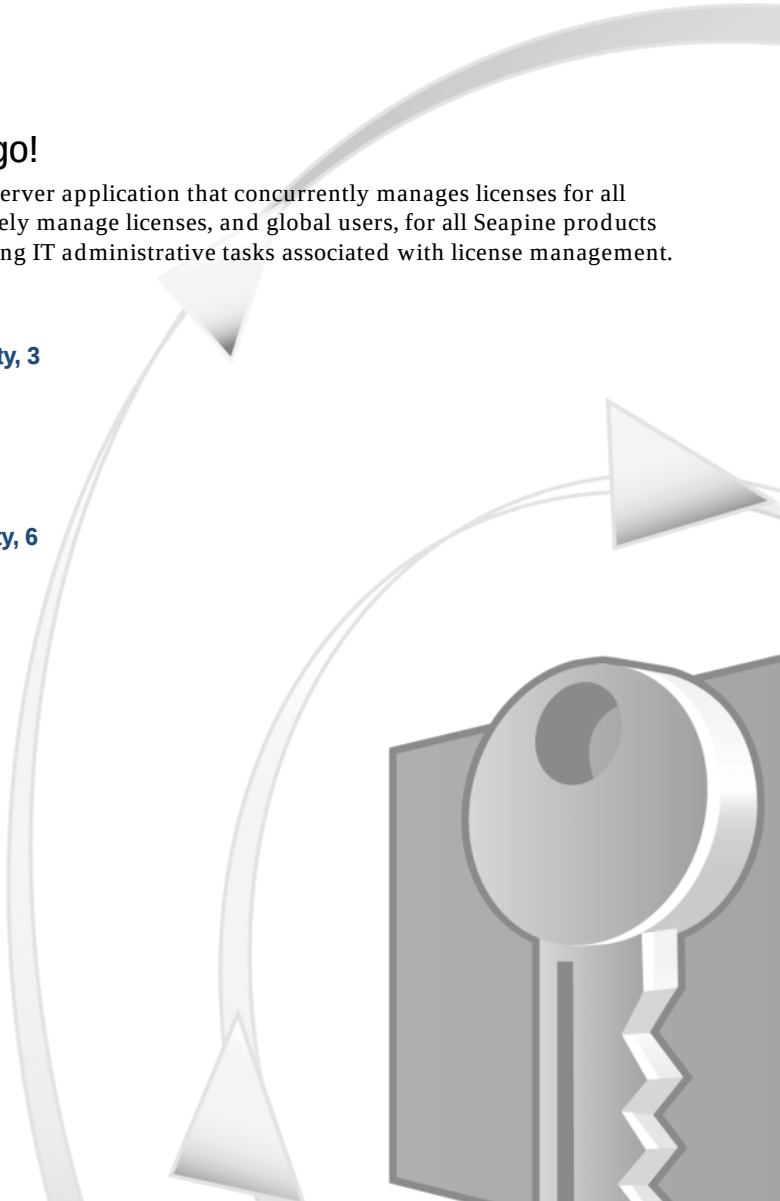


# About the license server

The Seapine License Server, which is installed as part of the server installation process, is a client/server application that manages user licenses for all Seapine products. It also contains product-independent user demographic information for users and customers that is shared across Seapine products. All Seapine products connected to the same license server can share the licenses and users that reside on that server. The License Server Admin Utility, which is packaged with the Seapine License Server, is used to perform the following administrative tasks:

- Manage licenses available on the server
- View and manage the server log
- Manage server options including log options, communication settings, and password options
- Manage global users and customers
- Manage license server admin security

# Starting the license server

## Windows

It is recommended that you install the license server as a Windows service. When the Windows computer is started, the license server starts automatically.

If the license server is installed as a Windows application, it must be started manually. Make sure the server is running before starting the license server admin utility.

1 On the Start menu, choose **Programs > Seapine Software > Seapine License Server > Seapine License Server**.

The server starts. When the Seapine License Server is running, an icon is placed in the status area on the taskbar of the server computer.

## Unix

The license server must be started before the Surround SCM server or the TestTrack Pro server.

1 Make sure you are in the directory where startup scripts are located.

Typically this is either the **/etc/init.d** directory or the **/usr/bin** directory.

2 To start the server as a daemon, enter **./spls start**

3 To start the server in the foreground, enter **./spls foreground**

**Note:** If there is a problem connecting to the server make sure the server computer is on and the license server application is running. Also, double-check the IP address and/or port number.

### Mac

The license server must be started before the Surround SCM server or the TestTrack Pro server.

1 Start the System Preferences and click **Seapine License Server**.

2 Click the **lock** on the Start/Stop tab to make changes.

Make sure the server is started. You should also select **Start Seapine License Server when this computer starts up** to automatically start the server.

3 Click **Save**.

## Starting the license server admin utility

**Note:** The first time you start the license server and the license server admin utility, you need to add licenses and users. Refer to **Adding licenses,** page 8 and **Adding users,** page 12 for more information.

### Windows

1 On the Start menu, select **Programs > Seapine Software > Seapine License Server > Seapine License Server Admin**.

The Seapine License Server Login dialog box opens.

2 Select the server you want to connect to.

See **Adding servers,** page 5 if you need to add a server.

3 Enter a **Username** and **Password**.

4 Click **Connect**.

The License Server Admin Utility starts.

## Unix

1 Make sure you are in the directory where startup scripts are located.

Typically this is either the **/etc/init.d** directory or the **/usr/bin** directory.

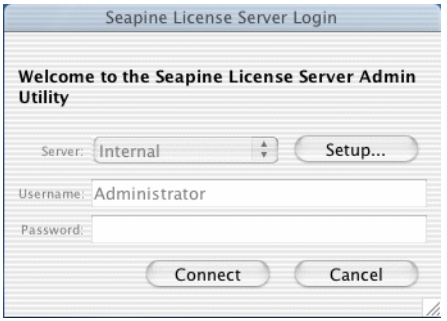
2 Enter **./lsadmin &** to start the license server admin utility.

## Mac

The Seapine License Server Admin Utility is generally installed in **Applications/SeapineLicenseServer**.

1 Double-click **Seapine License Server Admin Utility**.

The Seapine License Server Login dialog box opens.




2 Select the server you want to connect to.

See **Adding servers,** page 5 if you need to add a server.

3 Enter a **Username** and **Password**.

4 Click **Connect**.

The License Server Admin Utility starts.

# Adding servers

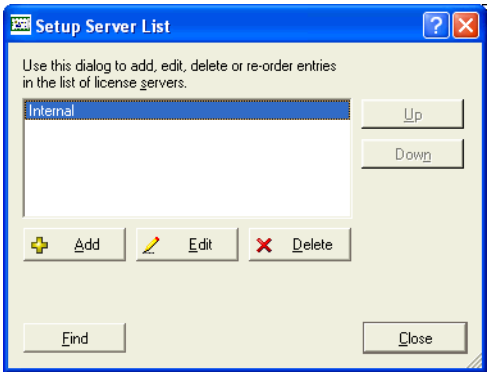
Each license server needs to be added to the list of servers managed by the license server admin utility.

1 Start the License Server Admin Utility.

The Seapine License Server Login dialog box opens.

2 Click **Setup**.

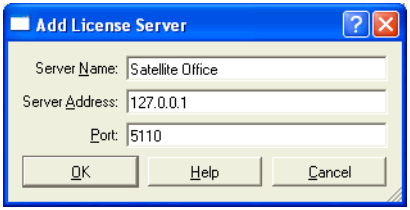
The Setup Server List dialog box opens.




**Note:** The Internal server is added when the license server software is installed. You can edit this server to change the name.

3 Click **Add**.

The Add License Server dialog box opens.




4 Enter a **Server Name**.

Enter a name to uniquely identify a server. For example, Satellite Office.

5 Enter the **Server Address**.

This is the IP address of the computer where the license server is installed.

6 Enter a **Port** number.

Clients connect to the server via TCP/IP on this port. Values can be in the range of **1-65535**.

7 Click **OK**.

The server is added. To re-order the servers, select a server and click **Up** or **Down**.

8 Click **Close** when you finish adding servers.

## Editing servers

1 Start the License Server Admin Utility.

The Seapine License Server Login dialog box opens.

2 Click **Setup**.

The Setup Server List dialog box opens.

3 Select the server entry list and click **Edit**.

The Edit License Server dialog box opens.

4 Make any changes and click **OK** to save the changes.

## Deleting servers

1 Start the License Server Admin Utility.

The Seapine License Server Login dialog box opens.

2 Click **Setup**.

The Setup Server List dialog box opens.

3 Select the server and click **Delete**.

You are prompted to confirm the deletion.

4 Click **Yes** to delete the selected server. Click **No** to cancel the deletion.

## Closing the license server admin utility

1 Choose **File > Exit**.

The License Server Admin Utility closes.

# Chapter 2
# Managing Licenses

## Your key to Seapine Software products!

Seapine Software's flexible licensing model lets you purchase a mix of named and floating licenses - saving you money and meeting your users' needs!

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**Adding licenses, 8**

**Editing licenses, 8**

**Floating licenses used, 9**

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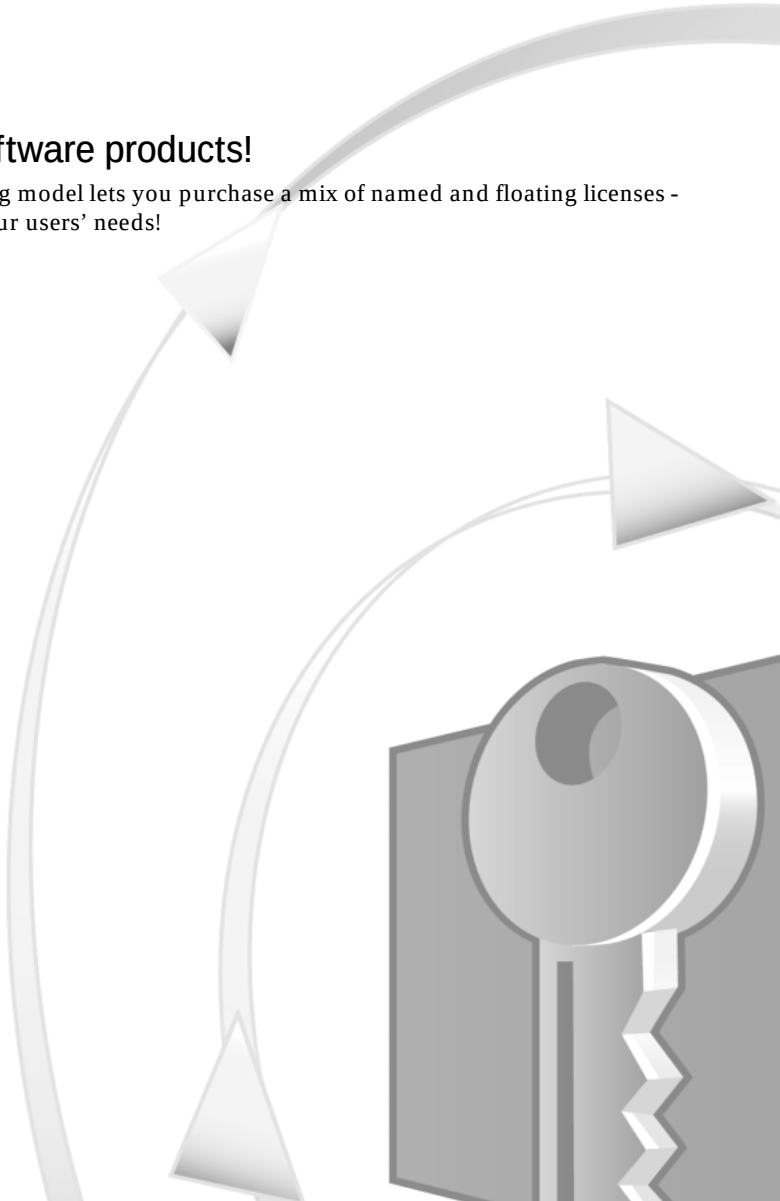


# About licenses

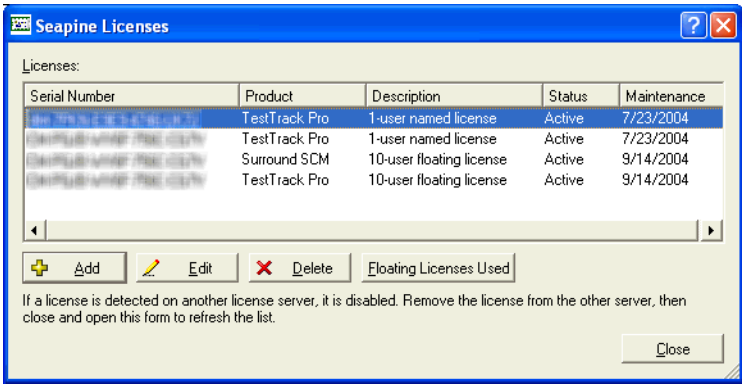
Two types of user licenses are available: named and floating. Named licenses are best for users who login frequently. A named license is dedicated to a specific user. Named licenses let the user run the software from anyplace on the network. Floating licenses are best for users who log in occasionally. A floating license can be used by anyone on the network, up to the limit specified in the license server.

**Note:** SoloSubmit licenses, which are not assigned to a user, are also entered on the license server.

# Adding licenses

**1** Click **Licenses** or choose **View > Licenses**.

The Licenses window opens.




**2** Click **Add**.

The Add License dialog box opens.

**3** Enter the serial number.

This field is not case sensitive. Licenses can be entered with or without dashes.

**4** Click **OK**.

The license is added.

# Editing licenses

**1** Click **Licenses** or choose **View > Licenses**.

The Licenses window opens.

2 Select the license and click **Edit**.

3 Make any changes and click **OK**.

Your changes are saved.

## Floating licenses used

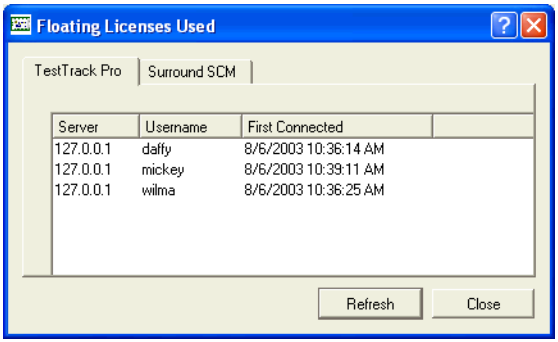
You can view how many floating licenses are being used by TestTrack Pro and Surround SCM users, who is using a floating license, and the order users logged in.

1 Click **Licenses** or choose **View > Licenses**.

The Licenses window opens.

2 Click **Floating Licenses Used**.

The Floating Licenses Used window opens.




3 Click **Refresh** to refresh the list.

4 Click **Close** to close the window.

## Deleting licenses

1 Click **Licenses** or choose **View > Licenses**.

The Licenses window opens.

2 Select the license and click **Delete**.

You are prompted to confirm the deletion.

3 Click **Yes**.

The license is deleted.

# Chapter 3
# Managing Global Users

## It’s all about the users!

The license server admin utility provides a convenient way to manage global users and customers, which are shared across all Seapine products.Managing global users and customers from one central location reduces the time spent on administrative tasks.

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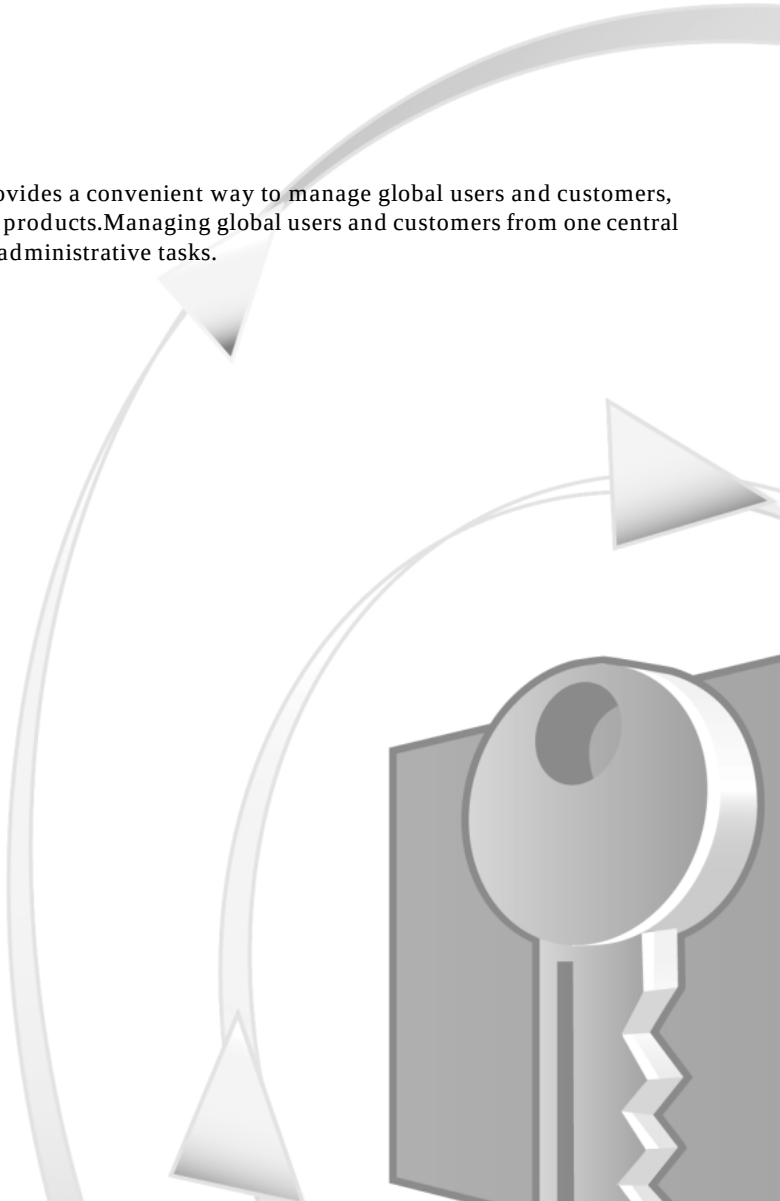


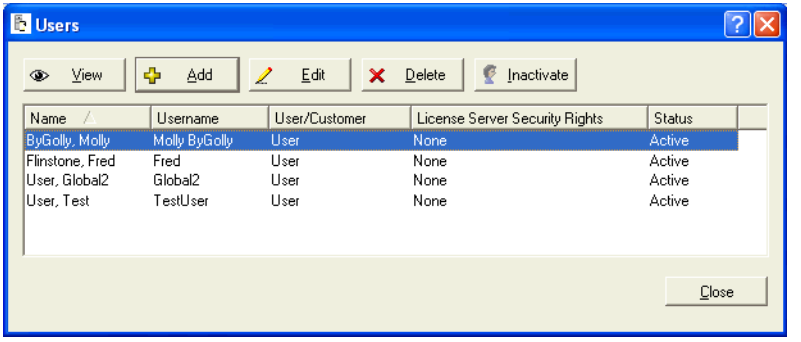
# Adding users

Users must be added to the license server before they can access TestTrack Pro.

**Note:** If you allow customers to log in, make sure you add them to the license server. In step 2, select customer as the user type.

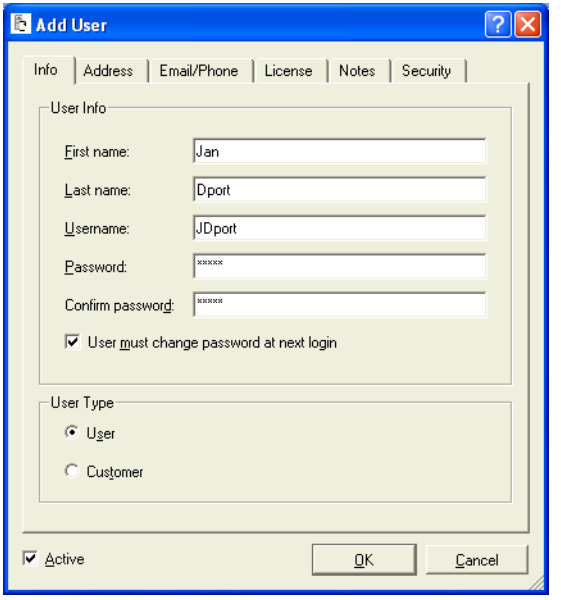
**1** Click **Global Users** or choose **View > Global Users**.

The Users window opens.



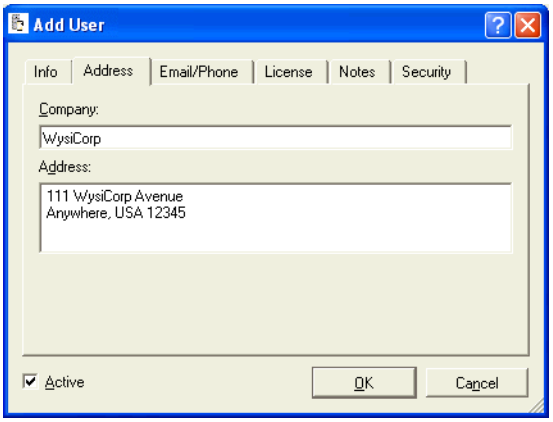

**2** Click **Add**.

The Add User dialog box opens with the **Info** tab selected.

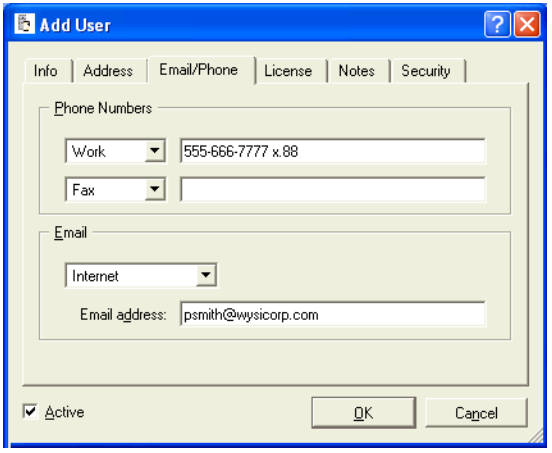


- Enter the **user info**. If you add a password, the user can be prompted to change the password.
- Select a **user type**.
- **Active** is selected by default. Clear this option is you are adding multiple users or customers and do not want to add them in the active state.

**3** Click the **Address** tab to add the company name and address.

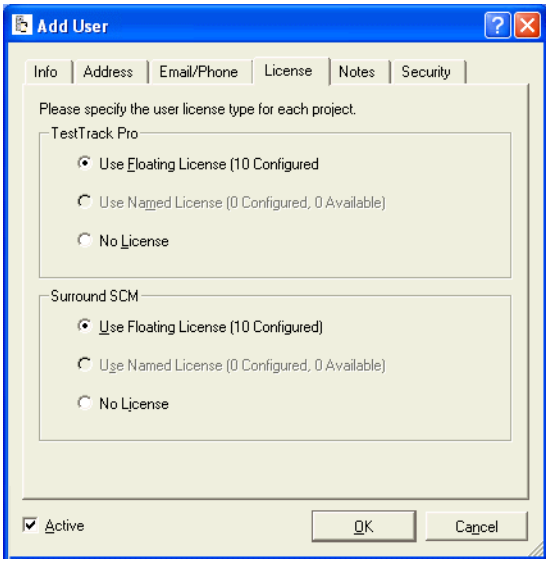



**4** Click the **Email/Phone** tab to add the contact information.



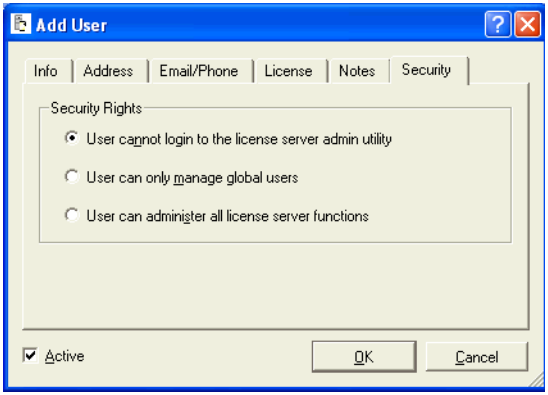
5 Click the **License** tab to select the license type for the user.

If a license is not selected, the user will not be able to login and access TestTrack Pro or Surround SCM.




6 Click the **Notes** tab to add any optional notes about the user.

7 Click the **Security** tab to set the license server security rights for the user.




- Select **User cannot login to the license server admin utility** if the user does not require access to the license server admin utility.
- Select **User can only manage global users** to provide access to global user commands only.
- Select **User can administer all license server functions** to provide access to all license server admin commands.

8 Click **OK** to save the information and add the user.

The user is added.

9 Click **Add** to add another user or click **Close** when you finish adding users.

## Editing users

You can edit all user information except for the username.

1 Click **Users** or choose **View > Users**.

The Users window opens.

2 Select a user and click **Edit**.

The Edit User dialog box opens.

3 Make any changes and click **OK**.

Your changes are saved.

## Viewing users

You can view read-only user information.

1 Click **Users** or choose **View > Users**.

The Users window opens.

2 Select a user and click **View**.

The View User dialog box opens.

3 Click **Close** when you finish viewing user information.

## Exporting user information

User information can be exported as an XML file. This lets you import the information into another license server, share the information with another application, or use it with any XML-compatible tool.

1 Choose **File > XML Export**.

The XML Export dialog box opens.

2 Select **Encrypt Passwords** to encrypt passwords in the XML file.

3 Click **Export**.

The Export as dialog box opens.

4 Select a **Save in** location and enter a **File name**.

5 Click **Save**.

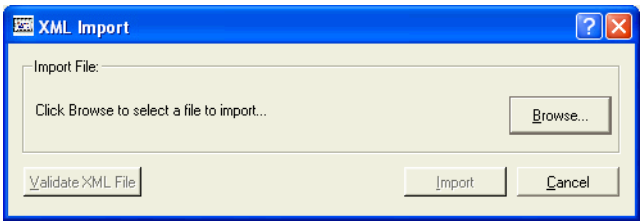
The file is exported.

## Importing user information

User information can be imported from an XML file. This lets you import the information from another license server or from another application.

1 Choose **File > XML Import**.

The XML Import dialog box opens.

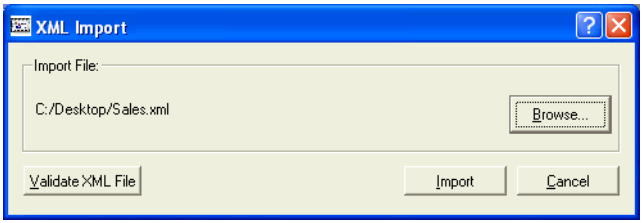



2 Click **Browse** to select a file.

The Choose file dialog box opens.

3 Select the file and click **Open**.

You return to the XML Import dialog box.




4 Click **Validate XML File** to validate the file.

You should always validate the file to ensure that invalid data is not imported.

5 Click **Import** to import the XML file.

The user information is imported.

## Inactivating users

Inactivate a user to save the historic information. Inactive users cannot log in to any Seapine product.

1 Click **Users** or choose **View > Users**.

The Users dialog box opens.

2 Select the user and click **Inactivate**.

3 Make any changes and click **OK**.

The user becomes inactive.

## Activating users

Activate an inactive user to allow them to log in to Seapine products.

1 Click **Users** or choose **View > Users**.

The Users dialog box opens.

2 Select the user and click **Activate**.

The user becomes active.

## Deleting users

If you delete a user, product databases that reference the user will lose the user's historical demographic information.

1. Click **Users** or choose **View > Users**.

   The Users dialog box opens.

2. Select the user and click **Delete**.

   You are prompted to confirm the deletion.

3. Click **Yes**.

   The user is deleted.

# Chapter 4
# Configuring Server Options

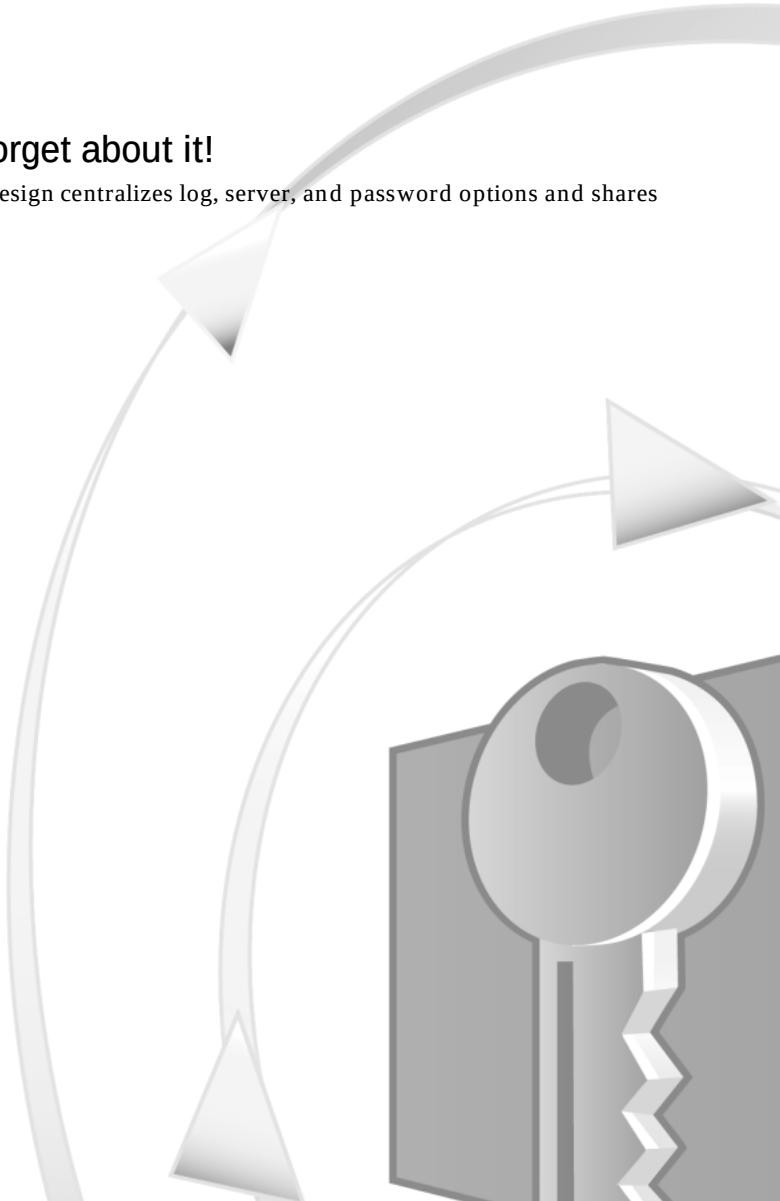
## Configure it once and forget about it!

The license server's client/server design centralizes log, server, and password options and shares them across products.

**Setting log options, 20**

**Setting server options, 21**

**Setting password options, 22**

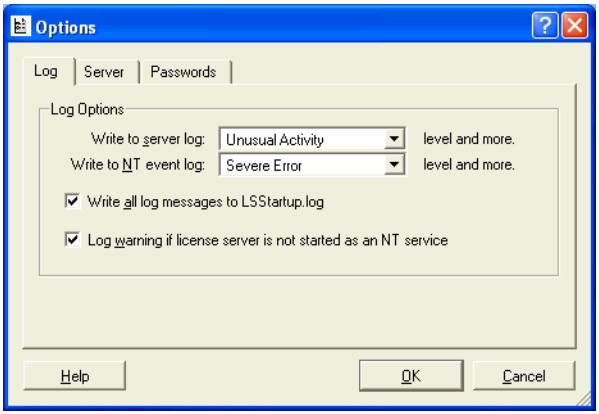


# Setting log options

1 Start the License Server Admin Utility.

2 Click **Server Options** or choose **View > Server Options**.

The Options window opens with the **Log** tab selected.




3 Select a **server log** option.

4 Select an **NT event log** option.

This specifies the types of messages that are written to the server's NT/2000 event log. This option is available **only** if the server is running on Windows NT or Windows 2000.

5 Select **Write all log messages to LSStartup.log** to write all error messages to the log file.

Errors that occur during license server startup are always logged. Select this option to log messages for errors that occur after startup.

6 Select **Log warning if license server is not started as an NT service** to log a warning if the license server is not started as an NT service.

This option is only available if the license server is running on a Windows system that supports NT services.

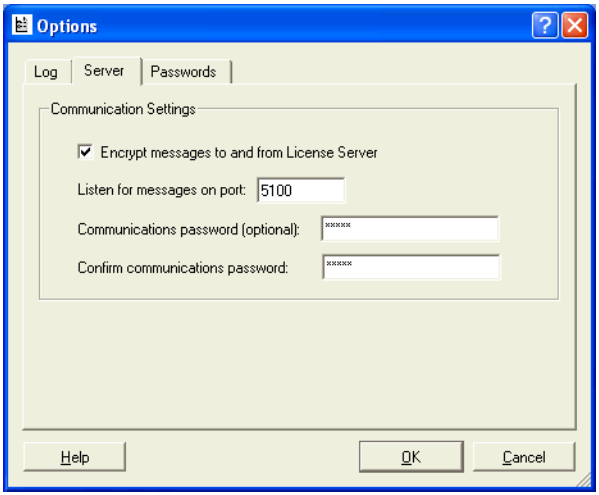
7 Click **OK** to save the settings.

# Setting server options

1 Start the License Server Admin Utility.

2 Click **Server Options** or choose **View > Server Options**.

3 Click the **Server** tab.




4 If security is a concern, select **Encrypt message sent to and from License Server**.

Encryption provides a higher level of security but may slow performance due to the time spent to encrypt and decrypt messages.

5 Optionally enter and confirm a **communications password**.

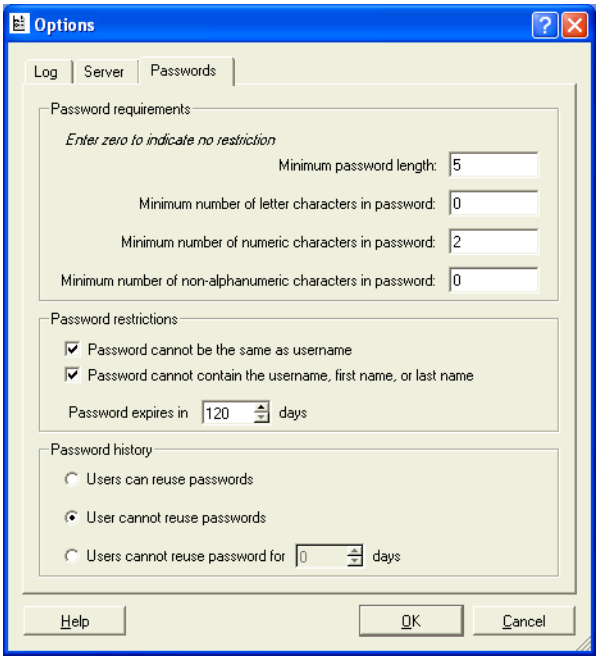
The communications password provides additional security. If a communications password is entered, the TestTrack Pro server and the Surround SCM server must also use the same password to communicate with the license server.

- To enter the communications password in TestTrack Pro, start the server admin utility. Click **Server Options** then click the **License Server** tab. Enter the password in the Password Settings area and click **OK**.
- To enter the communications password in Surround SCM, start Surround SCM. Choose **Tools > Administration > Server Options**. Click the **License Server** tab. Enter the password in the Password Settings area and click **OK**.

6 Click **OK** to save the settings.

# Setting password options

1. Start the License Server Admin Utility.
2. Click **Server Options** or choose **View > Server Options**.
3. Click the **Passwords** tab.




4. Enter any **password requirements**.
5. Select any **password restrictions**.
6. Select a **password history** option.
7. Click **OK** to save the settings.

# Chapter 5
# Managing the Server Log

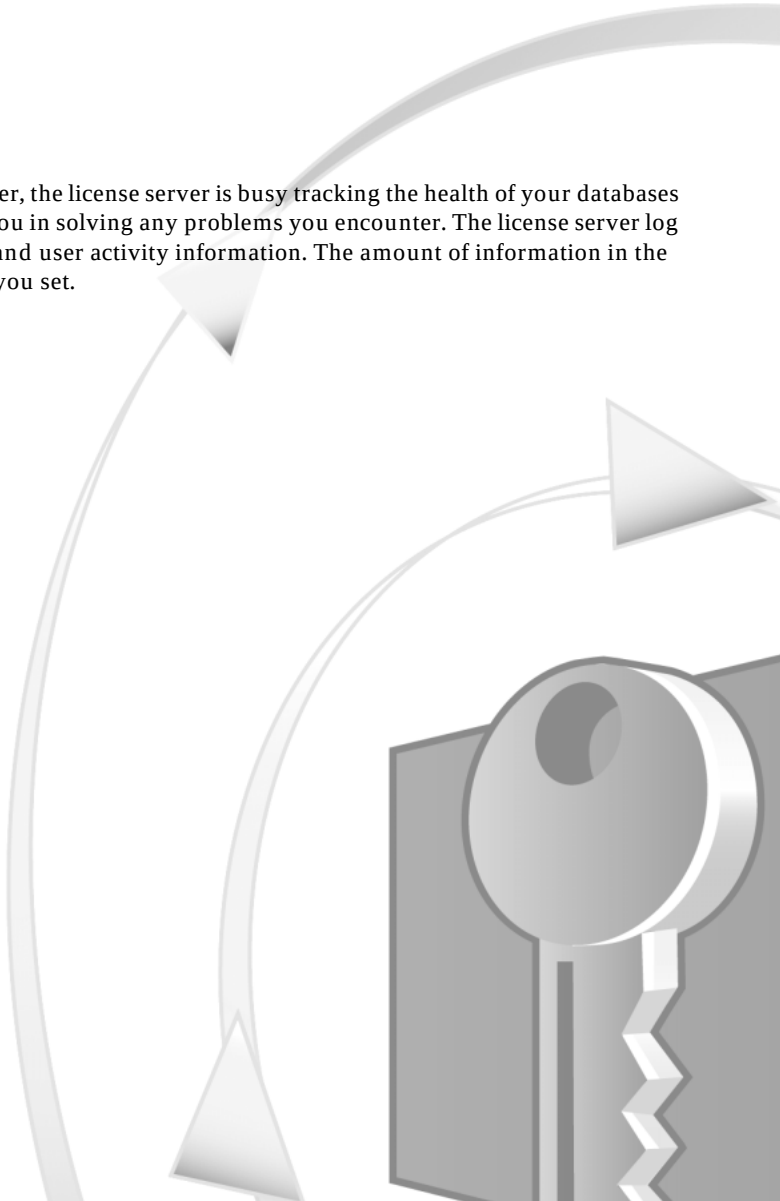
## Keep track of errors!

While running quietly on your server, the license server is busy tracking the health of your databases and logging errors that will assist you in solving any problems you encounter. The license server log contains error, warning, time-out, and user activity information. The amount of information in the log depends on the server options you set.

**Viewing the server log, 24**

**Deleting all log entries, 25**

**Deleting log entries by date, 25**

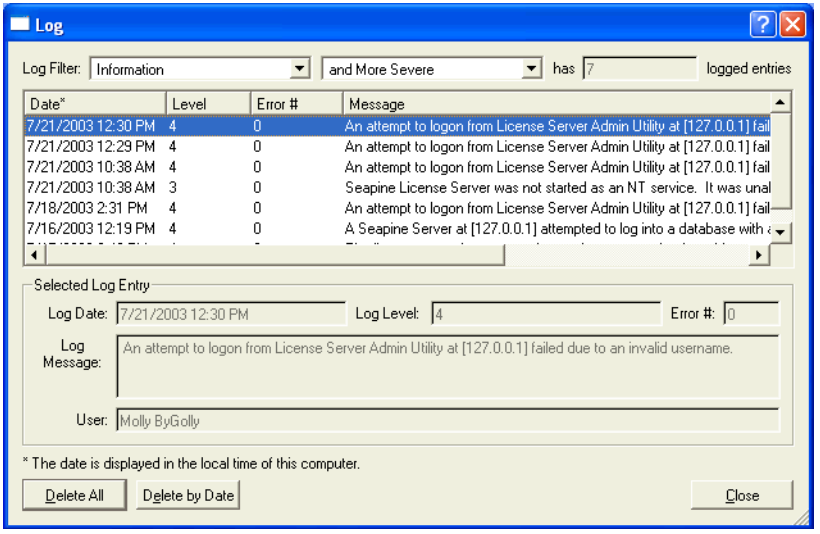


# Viewing the server log

1 Start the License Server Admin Utility.

2 Click **Server Log** or choose **View > Server Log**.

The Log window opens.




3 To filter the log entries, select a filter from the **Log Filter** menu.

- **Severe Error** includes errors that cause improper functionality that the user is not notified of.
- **Error** includes errors handled and reported to the user.
- **Warning** includes messages issued when a potential problem may occur.
- **Unusual Activity** includes messages that report unusual activity by a user or unusual situations in the database.
- **Information** includes any activity that may be of interest to the administrator.

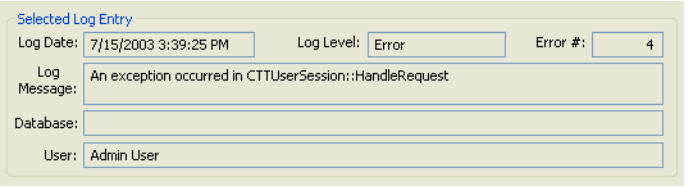
4 You can filter the log list even more by choosing one of the following options:

- **and Less Severe** includes the filtered log entries plus less severe entries
- **and More Severe** includes the filtered log entries plus more severe entries
- **Only** limits the filter to the filtered log entries

**Note:** The read-only logged entries field shows how many entries match the restrictions you chose.

5 Select the entry you want to view.

The details appear in the Selected Log Entry area.




6 Click **Close** when you finish viewing log entries.

## Deleting all log entries

If you are not experiencing any problems, you can periodically delete all of the log entries.

1 Start the License Server Admin Utility.

2 Click **Server Log** or choose **View > Server Log**.

The Log window opens.

3 Click **Delete All**.

You are prompted to confirm the deletion.

4 Click **Yes**.

The entries are deleted from the log.

## Deleting log entries by date

If the log becomes too large, and you are not experiencing problems, you can delete older entries.

1 Start the License Server Admin Utility.

2 Click **Server Log** or choose **View > Server Log**.

The Log window opens.

3 Click **Delete by Date**.

The Delete Log Entries dialog box opens.

4 Enter a date in the **Date** field.

5 Click **OK**.

All log entries, including any entries that occurred on the date you entered, are deleted.

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