

Surround SCM Installation Guide



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Chapter 1

About Surround SCM Installation

Install Surround SCM to easily manage source file changes! Surround SCM offers the performance, flexibility, and cross-platform support needed to manage change in any company, regardless of the number of users or number of files.

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About Surround SCM

Surround SCM is a multi-threaded client/server cross-platform tool that easily scales to accommodate large product development teams. Command line and graphical user interface (GUI) clients that run on Windows, Linux, Solaris, and Mac OS X provide fast, reliable access to your source repository. MS SCC API support means Surround SCM works with a variety of popular Windows-based development tools, including Visual Studio.

Surround SCM's cross-platform flexibility lets you install the program to best meet your company's needs. Typically, the Surround SCM server is installed on a shared computer and client components are installed on each user's computer. The Surround SCM server is a required component. Based on the TCP/IP protocol, Surround's server easily supports geographically dispersed teams. The Surround SCM server can be installed on any platform - Windows, Mac, Linux, or Unix.

System requirements

Before installing Surround SCM, make sure your computer meets the following system requirements. These requirements apply to all Surround SCM components - both the GUI and CLI clients and the Surround SCM server.

Note: The recommended processor speed and RAM for the Surround SCM server depend on the number of users and files stored on the server. Contact [Seapine Support](#) for more information.

Windows

- 100 MHz Pentium PC, 30 MB hard disk space, 256 MB RAM recommended
- Windows NT, 2000, XP, ME, 98

Mac OS X

- OS X-compatible Macintosh, 30 MB hard disk space, 256 MB RAM recommended
- Mac OS X 10.1 or higher

Linux

- 100 MHz Pentium PC, 20 MB hard disk space, 256 MB RAM recommended
- Linux (kernel 2.2 or later)

Solaris

- Sun Sparc-based computer, 30 MB hard disk space, 256 MB RAM recommended
- Solaris 7 or higher

License Server/CGI on Windows or Linux

- A Pentium PC with at least 64 MB of RAM. The amount of RAM depends on the number of defects the server handles. Contact Seapine support for more information.
- Microsoft Windows (95, 98, ME, XP, NT 4.0, 2000) or Linux (kernel 2.2 or later).

License Server/CGI on Mac OS X

- Power Mac G3, G4, G4 Cube; iMac; PowerBook G3, G4; or iBook computer with at least 128 MB of RAM.
- Mac OS X (version 10.1 or later)

License Server/CGI on Solaris

- An UltraSparc processor is required with at least 64MB of RAM
- Solaris (version 2.6 or later)

Contacting Seapine support

We offer technical support, 9 AM - 6 PM, EST, Monday through Friday.

Telephone: 513-754-1655
Email: support@seapine.com
Web site: <http://www.seapine.com>

Documentation feedback

Seapine Software welcomes your feedback on the documentation included with this product. If you have comments or suggestions about any of the guides or the online help, please email: documentation@seapine.com.

Note: This email address is provided for documentation feedback only. You may not receive a reply to your email. For technical questions or support, contact support@seapine.com.

Chapter 2

Windows Installation

Installation is easy and only takes a few minutes. Most users only need to install the client. If you are an admin user, you may need to install additional components.

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Before you install

- Make sure your computer meets the recommended system requirements. For more information, see [System requirements, page 2](#).
- Decide on the type of installation you need to perform.
- If you are using Microsoft Windows NT, Windows 2000, or Windows XP, you must be logged in as a user with full administrative privileges.
- You can cancel the installation at any time by clicking **Cancel**. To change information on a previous window, click **Back**.

Windows installation types

- **Surround SCM Client installation** installs the Surround SCM GUI client, the command line interface, and the SCCI DLL (on Windows platforms). This installation is recommended for most users.
- **Surround SCM Server installation** installs the Surround SCM server. If you are the administrator, select this installation the first time you install, if you need to reinstall, or if you are upgrading.
- **License Server Admin Utility installation** installs the license server admin utility, which is used to globally manager users and licenses. If you are the administrator, select this installation the first time you install, if you need to reinstall, or if you are upgrading.
- **License Server installation** installs the Seapine License Server. The license server is used to store global user and licenses. If you are the administrator, select this installation the first time you install, if you need to reinstall, or if you are upgrading.

Note: If you also use TestTrack Pro, the license server and the server admin utility may already be installed on your network. Check with the TestTrack Pro administrator.

Installing Surround SCM for Windows

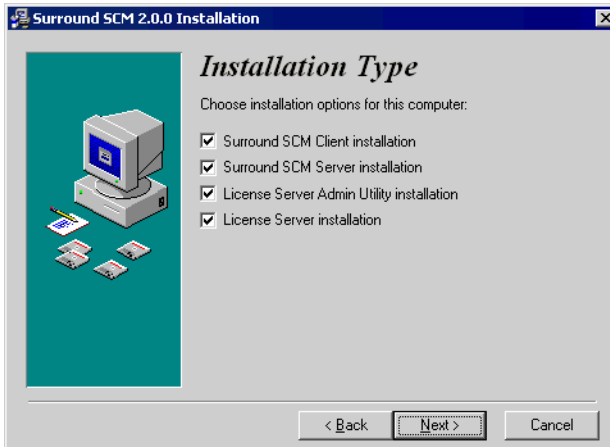
The following instructions correspond to an installation of all components, including the license server admin utility and the license server. Depending on the type of installation you are performing, you may be prompted for different information.

- 1 Run the installation program.
 - If you downloaded the installation program from the Seapine Web site, run `sscmwininstall.exe`. There is also a client only installation program named `sscmwininstallclient.exe`.
 - If you are installing from the CD, insert the Surround SCM CD into the CD-ROM drive and click **Install Surround SCM**.
- 2 Review the Welcome screen. Click **Next**.

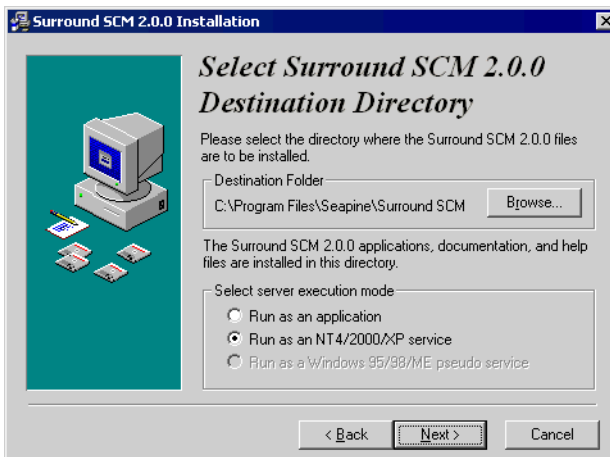
- 3 Read the license agreement and accept the terms. Click **Next**.

Note: You must accept the terms of the license agreement to continue the installation.

- 4 Choose the installation type. Click **Next**.



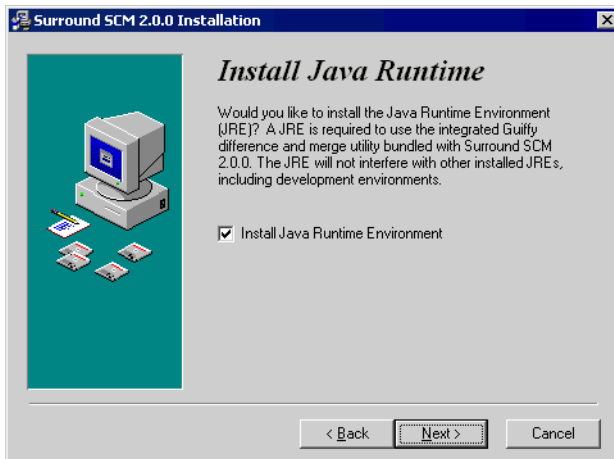
- 5 Select the Surround SCM destination directory. Surround SCM applications, documentation, and help files are installed in this directory. Click **Browse** to select a different directory.
- 6 Select a server execution mode. Click **Next**.



Note: Run as a service is the recommended server execution mode. A service is a program that runs in the background. It is started automatically when the system starts and is stopped when the system shuts down.

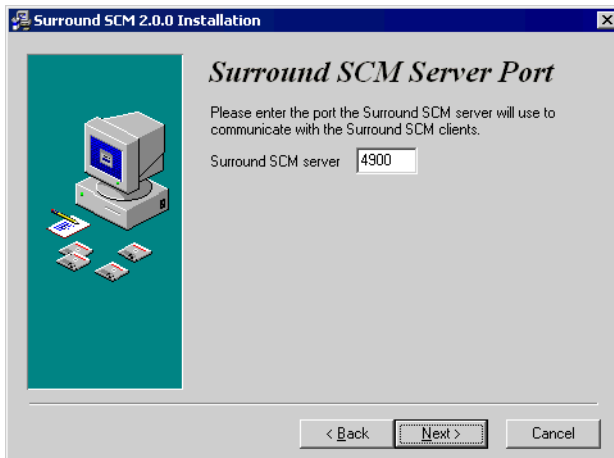
- 7 Depending on the type of installation you are performing, you may be prompted to install the Java Runtime Environment (JRE).

The JRE is required if you want to use the integrated Guiffy diff/merge utility.

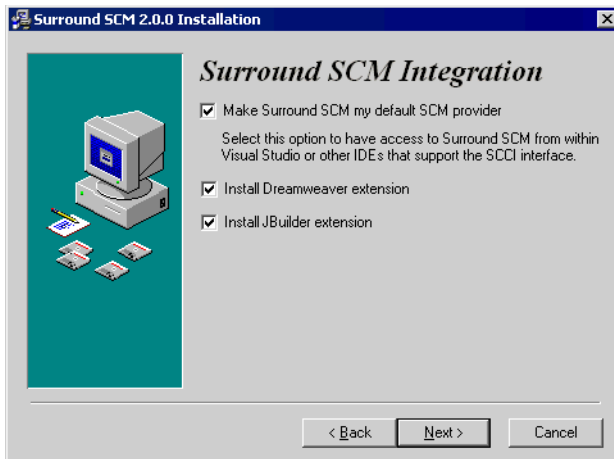


- 8 Enter the Surround SCM server port number.

You can use the default port number or enter another port number. Click Next.



- 9 Select the Surround SCM integration options. Click Next.



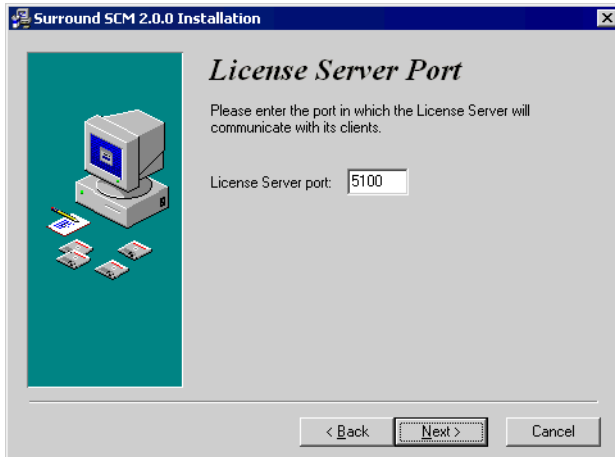
- 10 Select the License Server destination directory. The license server applications, documentation, and help files are installed in this directory. Click Browse to select a different directory.
- 11 Select a server execution mode. Click Next.



Note: Run as a service is the recommended server execution mode. A service is a program that runs in the background. It is started automatically when the system starts and is stopped when the system shuts down.

12 Enter the license server port number.

You can use the default port number or enter another port number. Click **Next**.

**13 The installation begins. A progress indicator opens, showing the location the files are being copied to and the remaining time to complete the installation.**

- If you installed the Surround SCM server or the License Server as an application, you are prompted to select a start server option. Select an option and click **Next**.
- The Installation Complete dialog box opens.

14 Click Finish to exit the installation program.

If you are prompted to reboot your computer, click **OK**.

You may be prompted to reboot your computer for one of the following reasons:

- You installed the server service or pseudo service. The Surround SCM server is started when you reboot.
- One of the installed files was in use and the installer could not copy the file. The file is copied to the correct location when you reboot.

Getting started - upgrade installations

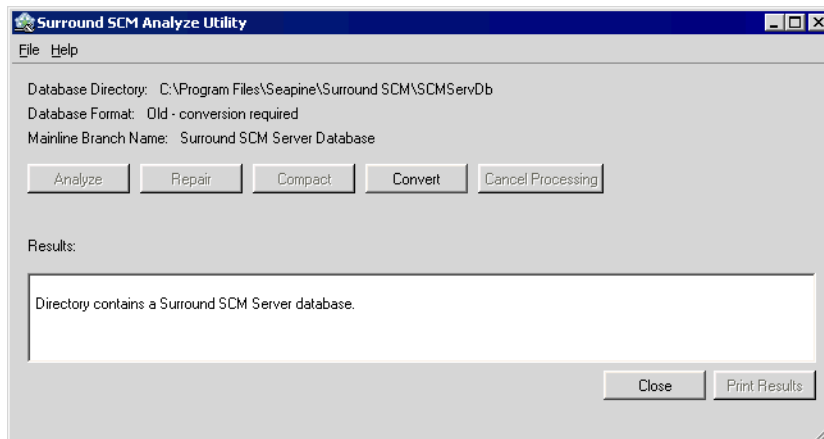
After you install Surround SCM 2.0, you need to convert the server database to the current format. During the conversion, existing Surround SCM users and valid, non-expired licenses are migrated to the license server.

Note: If you are prompted to convert the database during the installation, start with step 3.

You should backup the files in the SCMServDb directory before converting the database. This ensures data can be restored if an error occurs during the conversion.

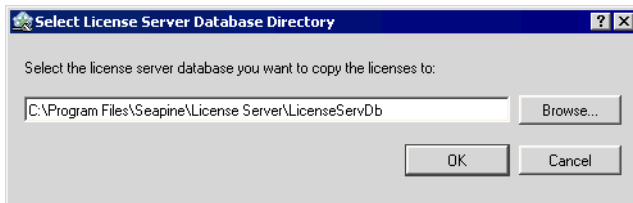
- 1 Stop the license server if it is running.
 - If the license server is installed as an application, right-click the server icon in the taskbar and select **Terminate Server**.
 - If the license server is installed as a service, use the **Services** icon in the **Control Panel** or the **Services** menu under **Administrative Tools** to stop the server.
- 2 Start the Surround SCM Analyze Utility.
- 3 Choose **File > Open Database** to select the database you want to convert.

After selecting the database directory, click **OK** to return to the main window.



4 Click Convert.

You are prompted to select the license server database. Enter the full path to the license server database or click **Browse** to select a database.



5 Click OK.

The conversion starts. During the conversion, existing Surround SCM users (with usernames) and valid, non-expired licenses are added to the license server. Users that do not have usernames are converted as local users.

6 The results window is updated when the database conversion finishes.

Note: If you use Surround SCM and TestTrack Pro, you may be prompted about user conflicts during the conversion process. For example, you convert Surround SCM before TestTrack Pro. A few users were setup using their full name (e.g., Deborah or William) in Surround SCM and using their nicknames (e.g., Debbie or Bill) in TestTrack Pro. If conflicts are detected, you are prompted to either use the current user information on the license server or the user information from the database you are converting. If users have trouble logging in after the conversion, ask them to try both username/password combinations.

7 Click Close to close the analyze utility.

8 Start the license server.

- If the server is installed as an application, choose **Programs > Seapine Software > Seapine License Server > Seapine License Server**.
- If the server is installed as a service, use the Services icon in the Control Panel or the Services menu under Administrative Tools to start the server.

9 Start the Surround SCM server.

- If the server is installed as an application, choose **Programs > Seapine Software > Surround SCM > Surround SCM Server**.
- If the server is installed as a service, use the Services icon in the Control Panel or the Services menu under Administrative Tools to start the server.
- If the server won't start, see [The servers aren't communicating. Help!](#), page 16 for troubleshooting information.

10 Start Surround SCM and login using your existing admin username and password.

11 Upgrade the mainline branches to the current format.

Select a branch. Choose Tools > Administration > Upgrade Mainline Branch.

12 Your conversion process is now complete. Users can now login, using their existing usernames and passwords, and access Surround SCM.



Keep the following in mind:

During installation, an administrative user with full admin security rights is created. To login as the administrative user, enter **Administrator** as the username and leave the password blank. If you are using your existing admin username and password, you can delete this user. You can also delete this user and add a new admin user. If you do not want to delete this user, you should add a password to prevent unauthorized users from logging in to an admin account.

Getting started - new installations

After Surround SCM 2.0 is installed, you need to set up a connection between the license server and Surround SCM server, add licenses and users to the license server, and start using Surround SCM.

Note: Steps 1-6 may not be necessary if you install the Surround SCM server and the license server on the same computer, using the default port configurations.

1 Make sure the license server is running.

- If the server is installed as an application, choose Programs > Seapine Software > Seapine License Server > Seapine License Server.
- If the license server is installed as a service, use the Services icon in the Control Panel or the Services menu under Administrative Tools to start the server.

2 Start the License Server Admin Utility to setup a local server connection, add licenses, and add users.

The Seapine License Server Login dialog box opens.

3 Click Setup to add a server connection.

The Setup Server List dialog box opens.

4 Click Add.

The Add License Server dialog box opens.

- 5 Enter a **Server Name**, **Server Address**, and **Port Number**. Click **OK**.

The server is added.

- 6 Click **Close** to return to the **License Server Login** dialog box.

- 7 Login as the default administrative user. The username is **Administrator** and there is no password.

By default, **Administrator** has full admin security rights and uses a **Surround SCM** floating license. It is strongly recommended that you set a password for this user after logging in.

- 8 Click **Connect**.

The **License Server Admin Utility** starts. You are now ready to add licenses and users.

Adding licenses

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

The **Licenses** dialog 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. Click **Close** to close the **Licenses** dialog.

Adding users

The license server is used to globally manager users. Global users can be shared between **Seapine** products and databases.

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

The **Users** dialog box opens.

- 2 Click **Add**.

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

- 3 Optionally, click the **Address** tab to add the company name and address.

- 4 Optionally, click the **Email/Phone** tab to add 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 or access **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 users you added are global users that can be shared between Seapine products and databases.

- 9 Click Close when you finish adding users.
- 10 Quit the License Server Admin Utility.

Next, you'll be retrieving global users.

Getting started with Surround SCM

- 1 Start the Surround SCM server.
 - If the server is installed as an application, choose Programs > Seapine Software > Surround SCM> Surround SCM Server.
 - If the server is installed as a service, use the Services icon in the Control Panel or the Services menu under Administrative Tools to start the server.
 - If the server won't start, see [The servers aren't communicating. Help!](#), page 16 for troubleshooting information.
- 2 Start Surround SCM and login as the default administrative user.

The username is Administrator and there is no password. By default, Administrator has full admin security rights and uses a Surround SCM floating license. It is strongly recommended that you set a password for this user after logging in.

- 3 To retrieve users from the license server choose Tools > Administration > Users then click Retrieve Global Users.

The users you added to the license server can now access Surround SCM.

- 4 Your installation and setup process is now complete.



Where to go next...

If you are the Surround SCM administrator, make sure the license server and the Surround SCM server are both started. Start Surround SCM and create security groups, create a mainline branch, and add files. Refer to the **Seapine License Server Admin Guide** and the **Surround SCM User Guide** for more information.

If you are a Surround SCM user, start the Surround SCM client, configure your connection, set a working directory, and begin working with files. Refer to the **Surround SCM User Guide** or the **Surround SCM Command Life Reference Guide** for more information.

The servers aren't communicating. Help!

You need to make sure you configured the connection correctly.

- 1 Make sure the license server and the Surround SCM server are both started.
- 2 Start Surround SCM and login using your existing admin username and password.

If your existing username and password are not recognized, you can connect with the local SCM admin password, leaving the username blank and entering admin as the password. This password only provides access to the license server configuration.

Note: It is strongly recommended that you change the local SCM admin password, which only provides access to the license server configuration. To change this password, login to Surround SCM using the local SCM admin password. Click the General tab, enter a new local SCM admin password, and click OK.

- 3 Choose **Tools > Administration > Server Options**.

The Server Options window opens.

- 4 Click the License Server tab.

Make sure the server address and port number are both correct.

- 5 Click Test Connection.

A message opens, letting you know if the connection is successful. If the Surround SCM server and the license server are installed on different computers, you may need to check your network and firewall configurations to open the necessary ports.

- 6 Click **OK** to close the message.
 - If the connection was not successful, correct any mistakes and re-test the connection.
 - If the connection was successful, click **OK** to close the server options.



You may need to manually configure the connection for one of the following reasons:

1. You changed the default Surround SCM or license server address or port number.
 2. You installed the Surround SCM server and the license server on different computers.
-

- 7 Stop and restart the Surround SCM server for the changes to take affect.

Chapter 3

Unix Installation

Surround SCM supports the following Unix platforms: Solaris (Sparc) and Linux (Intel). Installation is easy and only take a few minutes, using the command line Perl installer.

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Before you install

- Make sure your computer meets the system requirements. See [System requirements, page 2](#) for more information.
- Decide on the type of installation you need to perform.
- The command line installer is written in Perl and requires Perl version 5 or later.

Linux

- Linux kernel 2.0.x is not supported
- Glibc version 2.1.3 and version 2.1.92 are supported
- libstdc++ version 2.9.0 is required

Solaris

- Intel requires libstdc++.so.2.8.1.1
- Sparc requires libstdc++.so.2.10.0

Unix installation types

Command line installer

- Client installation installs the GUI client and the command line interface.
- Server installation installs the server. The server must be installed on a network-accessible computer.
- License Server Admin Utility installation installs the license server admin utility, which is used to globally manager users and licenses.
- License Server installation installs the Seapine License Server. The license server is used to store global user and licenses.

Graphical installer

- Easy installation installs the GUI client, the command line interface, the server, the license server admin utility, and the license server. This installation type automatically installs the software.
- Custom installation lets you choose the components you want to install. This installation type lets you select different directories, ports, etc.

Note: If you also use TestTrack Pro, the license server and the server admin utility may already be installed on your network. Check with the TestTrack Pro administrator.

Unix command line installer

The installation script automates the process of installing Surround SCM. As you install Surround SCM, pay attention to the logging messages.

You are asked several questions about the installation. Default answers are provided after the question in square brackets. To accept the default, press Enter. You can cancel the installation at any time by pressing Ctrl+C.

Note: If you are installing from CD, all you need to do is change (cd) into the Surround SCM directory and run the installer. Begin with step 4.

- 1 Copy the installation file to a working directory.

- The Linux installation file is named `sscmlinuxinstall.tar.gz`
- The Solaris installation file is named `sscmsolarissparcinstall.tar.gz`

- 2 Untar and gunzip the installation file.

The de-archiving process installs the files in a subdirectory it creates.

- 3 Change (cd) to the Surround SCM directory.

- 4 Enter `./install.pl` to run the install script.

The installation script starts.

Note: The following instructions correspond to an installation of all components, including the license server and the license server admin utility. Depending on the type of installation you are performing, you may not be prompted for the same information.

- 5 Choose the type of installation you want to perform.

- 6 Enter the Surround SCM application directory.

The directory is created if it does not exist.

- 7 Enter the Surround SCM server port number.

The default port number is 4900. You can accept the default port number or enter another port.

- 8 Enter the directory where the startup log file should be created.

The `SCMStartup.log` file contains error messages that are logged when the server is started. System errors can also be logged to this file.

- 9 You are prompted to choose if you want the Surround SCM server to start at boot time.

10 Enter the location of the Unix command directory.

This directory contains public executable Unix programs and shell scripts. The Surround SCM server daemon is also installed in this directory.

11 Enter the short date format you want to use.

Valid date formats include: “%m/%d/%y”, “%d/%m/%y”, “%b/%d/%y”, or “%d/%b/%y”. Other variations of this date format include substituting %b with %B or %y with %Y. The year parameter must be last in the date format (e.g., “%y/%m/%d” is invalid). Valid delimiters include a period, dash, forward slash, backward slash, comma, or a space. Elements in the date format have the following functionality:

%b	Abbreviated month name
%B	Full month name
%d	Day of the month, 01-31
%m	Month of the year, 01-12
%y	Last two digits of the year, 00-99
%Y	Year

12 Enter the license server application directory.

The directory is created if it does not exist.

13 Enter the location of the license server Unix command directory.

This directory contains public executable Unix programs and shell scripts. The license server daemon is also installed in this directory.

14 Enter the license server port number.

The default port number is 4999. You can accept the default port number or enter another port.

15 Enter the maximum number of open files for the license server.

The license server requires 200 open files.

16 A summary of the installation options you chose opens. Review the summary information.

- If it is correct, press Enter. The installation starts.
- If you need to make corrections, enter [N] to restart the installer.

17 When the installation finishes, you are ready to start using Surround SCM. See [Getting started - upgrade installations, page 11](#) and [Getting started - new installations, page 13](#) for information about getting started. The instructions, which are written for Windows users, apply to all platforms.

Unix graphical installer

Default answers are provided for most questions. You can use the default or enter different information.

- 1 Download the installation program.
 - The Linux installation file is named `sscmlinuxjavainstall.bin`.
 - The Solaris installation file is named `sscmsolarissparcjavainstall.bin`.
- 2 Run the corresponding file by logging in as root and double-clicking the file in the Window Manager.

You can also `su` to root and run the file from the command line.
- 3 Review the introduction information. Click **Next**.
- 4 Select the installation folder. Click **Next**.
- 5 Select the installation type. Click **Next**.
- 6 If you are performing an **Easy Install**, the installation starts automatically.

Follow the instructions to finish the installation. You may be prompted to enter additional information.
- 7 If you are performing a **Custom Install**, the **Choose Product Components** window opens.

Select the components you want to install. Click **Next**.
- 8 Enter the application directory. Click **Next**.
- 9 Enter the Unix command directory. Click **Next**.

The Surround SCM server daemon is installed in this directory.
- 10 Enter the log file directory. Click **Next**.

The `SCMStartup.log` file contains error messages that are logged when the server is started.
- 11 Enter the Surround SCM server port number. Click **Next**.

Enter the port number the Surround SCM server will use to communicate with Surround SCM clients.

- 12 Enter the short date format you want to use. Click Next.

Valid date formats include: “%m/%d/%y”, “%d/%m/%y”, “%b/%d/%y”, or “%d/%b/%y”. Other variations of this date format include substituting %b with %B or %y with %Y. The year parameter must be last in the date format (e.g., “%y/%m/%d” is invalid). Valid delimiters include a period, dash, forward slash, backward slash, comma, or a space. Elements in the date format have the following functionality:

%b	Abbreviated month name
%B	Full month name
%d	Day of the month, 01-31
%m	Month of the year, 01-12
%y	Last two digits of the year, 00-99
%Y	Year

- 13 Enter the license server application directory. Click Next.

- 14 Enter the license server Unix command directory. Click Next.

The license server daemon is installed in this directory.

- 15 Enter the license server port number. Click Next.

- 16 Enter the maximum number of open files for the license server. Click Next.

The license server requires 200 open files.

- 17 After reviewing all Pre-Installation Summary information, click Install to begin the installation.

- 18 The Install Complete windows opens after Surround SCM is installed.

- 19 Click Done to close the Install Complete window.

- 20 When the installation finishes, you are ready to start using Surround SCM. See [Getting started - upgrade installations, page 11](#) and [Getting started - new installations, page 13](#) for information about getting started. The instructions, which are written for Windows users, apply to all platforms.

Starting the license server

The license server must be started before the Surround SCM 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 `./spld start`

- 3 To start the server in the foreground, enter `./spld foreground`

Starting the Surround SCM server

The Surround SCM server must be running before users can access Surround SCM.

- 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 `./surroundscm start`
- 3 To start the server in the foreground, enter `./surroundscm foreground`

Installation is complete - now what?

If you are the Surround SCM administrator, make sure the license server and the Surround SCM server are both started. Start the license server admin utility to enter licenses and add users. Next, start Surround SCM and retrieve global users, create security groups, create a mainline branch, and add files. Refer to the *Seapine License Server Admin Guide* and the *Surround SCM User Guide* for more information.

If you are a Surround SCM user, start the Surround SCM client, configure your connection, set a working directory, and begin working with files. Refer to the *Surround SCM User Guide* or the *Surround SCM Command Life Reference Guide* for more information.

Chapter 4

Mac Installation

Installation is easy and only takes a few minutes. Most users only need to install the client. If you are an admin user, you may need to install additional components such as the license server. After installation is complete, you'll be ready to start managing source files!

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Before you install

- Make sure your computer meets the system requirements. For more information, see [System requirements, page 2](#).
- Decide on the type of installation you need to perform.
- You must be logged in as a user with full administrative privileges.
- You can cancel the installation at any time by clicking **Cancel**. To change information on a previous window, click **Back**.

Mac installation types

- **Easy installation** installs all components, including the Surround SCM client, Surround SCM server, the License Server admin utility, and the Seapine License Server. This installation type automatically installs the software, using the Surround SCM defaults.
- **Custom installation** lets you choose the components you want to install. This installation type also lets you select different directories, ports, etc. If you need to perform a client only installation, select **Custom install**.

Installing Surround SCM for Mac

- 1 Download the installation program.
The downloaded installer is named `sscmacosxinstall.dmg.gz`.
- 2 Double-click `sscmacosxinstall.dmg.gz` to unstuff it.
- 3 Double-click `sscmacosxinstall.dmg` to mount the image on the desktop.
- 4 Double-click the Surround SCM disk image.
- 5 Double-click the Install Surround SCM icon.
The Authentication window opens.
- 6 Click the lock to make changes.
The Authenticate dialog box opens.
- 7 Enter your name and password or phrase and click **OK**.
The Introduction window opens.
- 8 Review the Introduction information. Click **Next**.
- 9 Select the installation folder. Click **Next**.
- 10 Select the installation type. Click **Next**.

- 11 If you are performing an Easy Install, the installation starts automatically.

Follow the instructions to finish the installation. You may be prompted to enter additional information.

- 12 If you are performing a Custom Install, the Choose Product Components window opens. Select the components you want to install. Click Next.

- 13 Enter the application directory. Click Next.

- 14 Enter the Unix command directory. Click Next.

The Surround SCM server daemon is installed in this directory.

- 15 Enter the log file directory. Click Next.

The SCMSStartup.log file contains error messages that are logged when the server is started.

- 16 Enter the Surround SCM server port number. Click Next.

This is the port number the Surround SCM server will use to communicate with Surround SCM clients.

- 17 Enter the short date format you want to use. Click Next.

Valid date formats include: “%m/%d/%y”, “%d/%m/%y”, “%b/%d/%y”, or “%d/%b/%y”. Other variations of this date format include substituting %b with %B or substituting %y with %Y. The year parameter must be last in the date format (e.g., “%y/%m/%d” is invalid). Valid delimiters between the month, day, and year values include a period, dash, forward slash, backward slash, comma, or a space. Elements in the date format have the following functionality:

%b	Abbreviated month name
%B	Full month name
%d	Day of the month, 01-31
%m	Month of the year, 01-12
%y	Last two digits of the year, 00-99
%Y	Year

- 18 Enter the license server application directory. Click Next.

- 19 Enter the license server Unix command directory. Click Next.

The license server daemon is installed in this directory.

- 20 Enter the license server port number. Click Next.

- 21 Enter the maximum number of open files for the license server.

The license server requires 200 open files.

- 22 The Pre-Installation Summary window opens. Review the information.
- 23 Click Install to begin the installation.
- 24 The Install Complete windows opens after Surround SCM is installed.
- 25 Click Done to close the Install Complete window.

When the installation finishes, you are ready to start using Surround SCM. See [Getting started - upgrade installations, page 11](#) and [Getting started - new installations, page 13](#) for information about getting started. The instructions, which are written for Windows users, apply to all platforms.

Installation is complete - now what?

If you are the Surround SCM administrator, make sure the license server and the Surround SCM server are both started. Start the license server admin utility to enter licenses and add users. Next, start Surround SCM and retrieve global users, create security groups, create a mainline branch, and add files. Refer to the Seapine License Server Admin Guide and the Surround SCM User Guide for more information.

If you are a Surround SCM user, start the Surround SCM client, configure your connection, set a working directory, and begin working with files. Refer to the Surround SCM User Guide or the Surround SCM Command Life Reference Guide for more information.

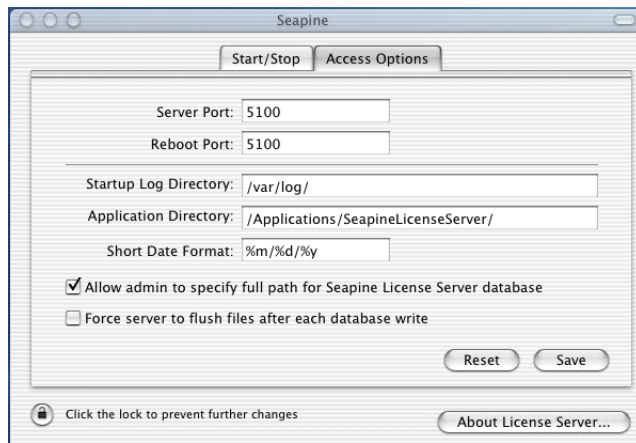
Starting the license server

- 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 the Access Options tab to configure access options.

You can edit the license server access options.



- 4 **Server Port** specifies the port the license server uses to communicate with all clients. The license server reads this value when the server is first started.
- 5 **Reboot Port** specifies the port the license server uses the next time the server is started.
- 6 **Startup Log Directory** specifies the directory where the license server startup log file is saved.
- 7 **Application Directory** specifies the full pathname of the directory where the application is installed.
- 8 **Short Date Format** specifies the short date format you want to use. Valid date formats include: “%m/%d/%y”, “%d/%m/%y”, “%b/%d/%y”, or “%d/%b/%y”.
- 9 **Select Allow administrator to specify full path for Seapine License Server databases** to allow databases to be created in any existing directory on the server computer’s local hard drive or on any mapped network drive on the server computer.
- 10 **Force server to flush files after each database write** flushes files after each database write. Selecting this option may slow down performance. If data is important to you, select this option to make sure you lose as little data as possible if the server crashes. If speed is important to you, do not select this option.
- 11 Click **Save** to save the options.

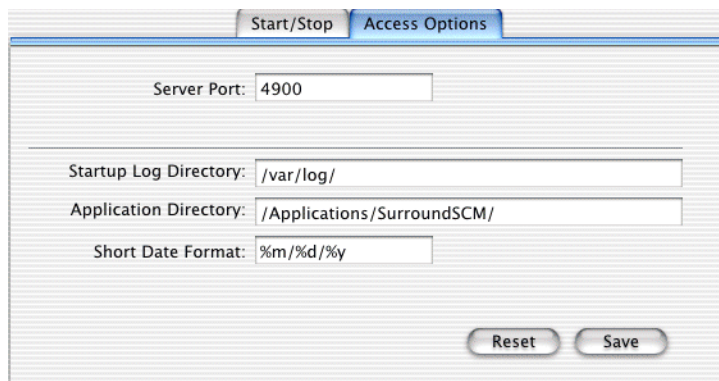
Starting the Surround SCM server

- 1 Start the System Preferences and click Surround SCM.
- 2 Click the lock on the Start/Stop tab to make changes.

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

- 3 Click the **Access Options** tab to configure access options.

You can change the server port, log directory, application directory, and short date format.



- 4 **Server Port** specifies the port the Surround SCM server uses to communicate with clients.

- 5 **Startup Log Directory** specifies the directory where the Surround SCM server startup log file is saved.
- 6 **Application Directory** specifies the full pathname of the directory where the application is installed.
- 7 **Short Date Format** specifies the short date format you want to use. Valid date formats include: “%m/%d/%y”, “%d/%m/%y”, “%b/%d/%y”, or “%d/%b/%y”.
- 8 Click **Save** to save the options.

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