

Seapine Product Surround SCM 3.x Release Notes

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This file describes changes to Surround SCM over the last few releases.

(GUI) denotes changes specific to the GUI client.

(CLI) denotes changes specific to the command line interface.

1. About Surround SCM

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Surround SCM is Seapine's client/server, cross-platform software change management tool that offers complete interoperability with TestTrack Pro, Visual Studio, and other SCC compliant tools. Surround SCM offers the performance, flexibility, and cross-platform support you need to manage change in your organization.

Surround SCM is a developer's tool that can be used to manage source files in among small and large groups of users, located locally and remotely. Surround SCM includes both graphical and command line clients that run on Windows, Linux, Solaris, and Mac OS. No other SCM tool in its class provides graphical client support on as many operating systems. As a client/server product, your team members have access to their source code from any location in the world (with internet access) And, Surround's integration with TestTrack Pro provides a complete change management solution. Always know which defects affected your source code and why.

2. What's New in Surround SCM 3.0

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- Surround SCM now supports changelists that allow you to group various change actions together and then view historic changelists to identify related changes.
- Changelists are committed to the database as an atomic transaction.
- Configure the Seapine license server to use LDAP or Active Directory to validate user logins. The license server will also retrieve user information such as phone number & email addresses from the LDAP Server.
- Surround SCM now integrates into Metrowerks's CodeWarrior development environment on the Windows platform.
- Surround SCM now integrates into the CruiseControl framework.

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- Added the ability to change usernames in the license server. Old usernames are retained in a historic list associated with the user.
- Remote users will experience improved download speed due to a new compression algorithm.
- Added the ability to more easily rollback promote/rebase actions.
- Added server option to skip specific file extensions on recursive adds.
- Added server option to always auto-detect specific file extensions as either text or binary.
- Get action now supports getting files by timestamp.
- More keywords are now supported including \$Logfile, \$Workfile, \$Branch, \$JustDate, \$Modtime, and \$NoKeywords.
- Updated the Guiffy merge utility to release 6.1.
- Visual Studio integration has been improved to no longer require a re-bind action after branching a project file.
- Named users are now associated with a specific serial number to allow the administrator more control over licensing issues.
- When TestTrack 7.0 ships later in 2004, you will be able to fix TestTrack defects from within the Surround SCM 3.0 client application.

Surround SCM 3.0 includes many other small enhancements and bug fixes.

Surround SCM combines with TestTrack Pro for an unbeatable change management solution. Surround SCM version 3.0 integration requires version 6.1.5 or newer of TestTrack Pro.

SCM 3.0 contains a newer version of the Seapine License Server (ver 2.x) than TestTrack Pro 6.1.x. This newer Seapine License Server version contains features such as LDAP support and renaming of usernames.

TestTrack Pro 6.1.x

will work with this new Seapine License Server, but the new features will not be fully available in the TestTrack Pro user interface unless TestTrack Pro 7.0 is installed. If you are planning on using both Surround SCM 3.0 and TestTrack 6.1.x, please install the newer Seapine License Server that is included in the Surround SCM installer.

3. Version 3.0.1

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The following bug fixes and enhancements are included in this release:

- Changes required to support XP SP2.
- LDAP functionality is now available on the Mac OS X platform.
- When using keyword expansion on small files, users occasionally received a general error.
- When associating an existing SCM user with an LDAP user, a case sensitive comparison was potentially preventing this association from being allowed.
- Users were able to copy & paste carriage returns into a branch name.
- History report on check in events did not display changelist names.
- The file status was displayed as "unknown" after changing the selected repository while the "Files That Are Not Current" filter was selected.
- The file status was displayed as "unknown" after performing a check in action on a file that had no changes when done as part of a changelist.
- Fixed a bug in saving the user's last window coordinates.
- GUI client crashed when checking in a file that had no changes and the 'update version if no changes' option was not set and the user was attaching a TestTrack defect to the check in action.
- Field codes inserted into the subject of an email template were not being expanded.
- The SCM server log message was incorrectly marked as a "severe error" level for login attempts by an LDAP user using an invalid password.
- Surround SCM Perl installer for Mandrake did not install the Ant help files.
- License Server Admin online help did not launch properly on Linux/Mandrake.

4. Version 3.0.2

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The following bug fixes and enhancements are included in this release:

- Security error was reported when doing checkin after local merge during promote, when server option requiring use of changelists was enabled.
- Sometimes after local merge of a file during promote, the next promote action incorrectly flagged the file as again needing to be promoted.
- In VB6 integration, the .frx files were not being checked out when a .frm file was checked out for edit.
- Fixed server crash when linking checkin event to a defect with large a description field.
- Fixed functionality of Next/Prev buttons in branch history. (GUI)
- The server side auto-merge was being skipped then the 'Update version even if no change is made' option was selected.
- Fix to Eclipse integration on Mac OS X which caused Eclipse to lock up when started.
- Fix for "The Eclipse plug-in installed is not compatible with the Surround

SCM version installed." error message when using Eclipse integration on Linux.

- Fixed several missing or incorrect help file links. (GUI)
- Fix for 'automatic merge' hanging when doing 'local merge'. (GUI)
- Improved pending changelist interaction, to preselect expected entry after checkin, and when viewing a changelist entries history. (GUI)
- After changing a working directory, the old value continued to be used until a F5 (or refresh action) was performed. (GUI)
- Improved performance when opening a project with Visual Studio integration.
- Under certain circumstances, newly added labels were not appearing in the list of labels for "get by label". (GUI)

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- Fix for Analyze Utility reporting 'unrecorded label' for labels with the leading character of the label missing.

5. Version 3.0.3

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The following bug fixes and enhancements are included in this release:

- Updated the Guiffy merge utility to version 6.2.
- Updated the Seapine License Server to version 2.1.1
- Updated the JBuilder integration to support JBuilder 2005.
- The 'require attach on check in' repository option was not being enforced on check in actions performed through the SCCI interface.
- SCCI was modified to automatically prompt for advanced check in options when the system configuration requires attaching files to a defect.
- Converting a version 1.x Surround SCM server database would fail when moving the data to an existing version 2.0 License Server database.
- Editing 'Remove Repository' event in a pending changelist would fail.
- Under certain circumstances, the GUI would become minimized, and could not be restored to view. (GUI)
- Sometimes after moving a column, the sort settings were lost the next time the application was started. (GUI)
- On MacOSX 10.3, warning messages about class name clashes were appearing in the system.log file when using the Surround SCM or License Server Preference Pane application.
- The CodeWarrior plugin for MacOSX will now work for CodeWarrior Pro 8 and 9.
- Fixed a bug on check in using the SCCI interface when a file is checked out to multiple users. Check in could fail, or the wrong file might be checked in if users were sharing the same machine.
- Fixed some issues with the Eclipse 3.0 integration when connecting to the Surround SCM server.

- Sometimes after restarting the License Server, login attempts to Surround SCM would fail with a message of "The server is not connected to the license server." The Surround SCM server would need to be stopped/restarted. The servers will now automatically resolve this situation when it is detected.

6. What's New in Surround SCM 3.1

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- Surround SCM now includes enhanced support for graphic files. Thumbnail images are available in file history and file listing windows. View graphics using Surround SCM's integrated viewer. View changes in graphic files in a side-by-side comparison or a pixel difference mode. (GUI)
- The new cvs2sscm conversion utility allows importing history from a CVS repository into Surround SCM. (CLI)
- Added a new report on information regarding checked out files.
- The analyzer utility now has a command line mode, enabling the ability to run in a non-GUI environment and usage in batch/script files. (CLI)
- Optionally send email every time an invalid login attempt is made.
- Search by label on the Advanced Find Files dialog.
- Added more trigger actions for label events and commit changelist events.
- Added the ability to save and print changelist information. (GUI)
- Added the ability to save and print server log information. (GUI)
- If a user does not have view access to the top level repository in a branch, the existence of that branch will now be hidden from that user.
- Added a Break Share Across Branches command, allowing a file share to be broken across all branches. This command has its own command level security setting.
- Users can hide snapshot branches by setting a user option. (GUI)
- Added the ability to undelete users in the Seapine License Server.
- Updated the Guiffy merge utility to version 6.5.

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- Updated the Seapine License Server to version 2.2.0

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7. Version 3.1.1

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- Enhancements were made to the StarTeam conversion utility. The utility is now more granular and allows the user to choose which views to convert for a particular project. The utility also releases resources during runtime for better efficiency. (GUI)
- Added an optimization to speed up loading of the mainline branch list during initial connect and during complete refresh GUI actions. (GUI)
- Fixed bug in CodeWarrior integration so the plug-in is detectable by the CodeWarrior 8.x IDE.
- Fixed CodeWarrior integration crash on Mac OS X 10.3.x
- Resolved JBuilder plug-in installation issue on Windows
- Resolved Mac OS X focus issues relating to modal dialogs. (GUI)
- Fixed occasional CVS conversion utility file migration crash. (CLI)
- Added option to include hidden files in the browse dialog when adding files. (GUI)
- Minor updates to user documentation

8. Version 3.1.2

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- Added functionality to the StarTeam conversion utility to handle duplicate folder names and duplicate file names. (GUI)

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- Fixed crash bug in the StarTeam conversion utility when JVM runs out of memory. (GUI)
- Resolved occasional java.lang.StackOverflowError thrown during conversion of large StarTeam projects to Surround SCM .
- Fixed a bug in shadow folders that caused shared files to update incorrectly.
- Fixed a small working directory conflict issue.
- Fixed a crash bug in the client when changing focus from the email address field in the Add User dialog. (GUI)
- Fixed the Linux/Solaris installer so existing server settings are not overwritten when performing a client-only install.
- Resolved an issue with the VSS conversion utility where some archived files did not convert properly. (CLI)
- Fixed a crash bug during a Get operation on a file after a recursive search. (GUI)
- Disabled merge option for binary files. (GUI)
- The overwrite functionality did not work as desired in ANT integration
- Resolved problem with JBuilder plug-in not installing unless JBuilder 2005 was present
- Fixed a problem with label replacement during a check in
- SASL library updated to correctly use available encryption methods when connecting to MS Active Directory server running in full 2003 mode.
- Other minor fixes and cosmetic changes.