

INTRODUCTION

SilverKeeper V2.0 will Backup, Compare, Synchronize or Restore volumes or folders on Apple Macintosh computers running OS X. It can copy or compare volumes or folders of almost any writable device that is visible as a volume mounted on the Macintosh Desktop. This includes hard drives, removable media drives, and DVD-RAM drives; almost any internal or external Macintosh disk that can be mounted on your desktop.

Note: This release is SilverKeeper v2.0, for compatibility with OS X 10.3.9, 10.4.x, and 10.5.x



SilverKeeper V2.0 consists of an application program which will copy, compare, synchronize or restore files, folders, and volumes from a Source to a Destination. It will ease backups from your Startup drive to an external drive. While optimized for hard drives, SilverKeeper is also compatible with network drives, and removable drives, and DVD-RAM discs. Compatible drives may be connected to the SATA/eSATA, IDE/ATA, SCSI, USB, or FireWire busses of Macintosh computers. The only requirement is that the drives must have at a writable volume. SilverKeeper is not directly compatible with tape drives, or CD-R/RW and DVD-R/RW drives. To use these latter devices requires Apple's Disc Burning compatibility.

SilverKeeper is freeware provided by LaCie. LaCie is a worldwide manufacturer of storage products for Macintosh, Linux, and Windows computers. For more information about LaCie products please visit our website at <http://www.lacie.com>, or visit your favorite computer reseller. SilverKeeper is compatible with LaCie storage products, and also similar products from other manufacturers. While LaCie has made every effort to assure compatibility with all disk based storage products, LaCie cannot guarantee compatibility with the many third party storage products available in the market. Thorough testing has been done with all Apple Macintosh and LaCie products with compatible storage devices.

Unlike other backup and archiving programs, SilverKeeper uses the Macintosh file I/O to perform copy operations, so the backups are always readable files that can be used as-is on another computer without resorting to a special restore application. No special application software is necessary to read backup files.

As freeware, this means that you may use the SilverKeeper product with any of your Macintosh computers and storage devices. The only restriction is that you may not alter the program, develop derivatives, or redistribute the product in any way without the express written permission of LaCie, Ltd. Please refer to the included license agreement.

OVERVIEW

SilverKeeper lets you:

- automatically back up your important data to any drive mounted on the desktop
- save revisions of your work; you can retain several versions
- open your backup files directly with another Macintosh computer running OS X, as files are not compressed or placed into proprietary archives. SilverKeeper is not required to access your backups
- compare backups to original files and folders
- backup any folder to another folder; backup any volume to another volume
- synchronize two separate folders
- setup multiple Backup sets for comprehensive backups

SilverKeeper will almost always perform a smart backup. The first time SilverKeeper is run, it will copy all files and folders from the Source to the Destination. The next time SilverKeeper performs the same backup operation, only the new or changed files will be copied – if only one file changes, then only that file will be copied, and then merged into the previously made backup. If a file is deleted from the Source, it will be deleted from the Destination the next time SilverKeeper is run. A file added to the Source, will be added to the Destination the next time backup is performed.

REQUIREMENTS

- Macintosh Computer with Mac OS X (version 10.3.9) or newer
- Sufficient free disk space to install application and documentation
- Sufficient free disk space to store Backups
- external storage device, network drive, or iDisk

Each defined combination of Source and Destination is called a Backup Set. You may define multiple Backup Sets to define different Source and Destination combinations. Each set may have a different schedule. A name may be defined for each set, and defaults to the source name. The only restriction is that if Source is a folder, then the Destination must be a folder; if the Source is a volume, then the Destination must also be a volume.

To install, simply mount the SilverKeeper disk image file, then copy the SilverKeeper icon from the mounted disk image volume into your OS X Application folder; you can drag the SilverKeeper icon to the Application shortcut that is displayed in the disc image – this shortcut should point to your Application folder on the Startup drive. This is the recommended location, and you should not be tempted to relocate the application to a different folder.

ABOUT LACIE...

Founded in 1987, LaCie is a world leader in the development and manufacture of cross-platform mass storage, digital video and color-management computer peripherals for personal, business and multimedia environments. LaCie remains dedicated to delivering the latest technology and innovative solutions to enhance our customers' ideas, products and services.

With corporate offices located in Massy, France, LaCie's development and manufacturing facilities are located in Hillsboro, OR, and sales offices can be found in 15 countries around the world. LaCie offers a complete range of products that includes storage, backup, optical and color solutions.

LaCie's comprehensive product range encompasses storage devices, including FireWire, USB 2.0 and SCSI interfaces; backup products incorporating AIT and DLT technology; optical drives such as CD and DVD solutions; and color management products including monitors and calibrators.

LaCie products and solutions are available through authorized resellers as well as our worldwide network of LaCie sales offices. Visit LaCie's Web site at www.lacie.com to purchase product from the online store, and to access support tools and information regarding products, promotions and industry news.

Keep Informed...

LaCie may offer enhancements to SilverKeeper over time. Be sure to check the website, www.silverkeeper.com, or www.lacie.com/silverkeeper for the latest information about this program.

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RELEASENOTES

V2.0.2, April 2009

1. Allow Set Name to be changed after it is defined.
2. Fixed issue with write protected source folder. (-5000 error)
3. Changed copyright to 2008-2009.
4. Changed progress Sheet Dialog to display Files, not Items.
5. Changed Log to only report entries for files. Errors with folders -- creating or changing attributes -- will still be reported.
6. Make sure Synchronize Sets reports only files and packages. 1 report per package even if multiple differences -- entire package is updated.
7. Make sure Compare Sets reports only files and packages. 1 report per package even if multiple differences.
8. Increased the default maximum log warnings from 20 to 100. (Compare Sets reports differences as warnings)
9. On Volume to Volume backup, set the Destination Volume's owner, group, and privileges to match Source.
10. Fixed Setup Assistant to properly display Data Used when selecting a non-empty Destination (used to display volume size)
11. Greatly improved display time of large Log files (still slows down to around 3 seconds to load a 30MB file)
12. Reduced the default maximum Log size from 100MB to 30 MB (it will always keep a single log entry no matter how large)
13. Fixed algorithm for limiting size of Log files by removing older backup entries.
14. Properly display the Log file on 10.3.9
16. Fixed Setup Assistant button to launch Disk Utility under 10.3.9
17. Fix Exceptions list to handle file/folder sizes between 100 Kb and 999 Kb.
18. In Exceptions, adding an alias does just that, does not resolve the alias.
19. In Exceptions, fix the Icon to show that of the item in the list, not the source volume.
20. In Exceptions, change the dialog layout to be more intuitive.
21. In Exceptions, the control "Show Invisible Files" is now pre-set to match Preferences "Show and count Invisible files".
22. In Preferences, changed default "Show and count Invisible files" to "off" -- .DS_Store no longer displayed as files are updated.
23. In progress dialog (during Backup etc), invisible folders at the root level are shown in gray.
To show something when invisible folders are being processed.
24. In Email SilverKeeper, added SilverKeeper version and Mac OS version to the report.
25. In Email SilverKeeper, updated entries for Preferences to match the Preferences dialog panels.
26. Extend timeout for drive spin up from 1 minute to 2 minutes (giving plenty of time for RAID drives).
27. Changed scheduler launch of SilverKeeper to eliminate 3 second timeout.
28. Fixed scheduler to ask user to backup if SilverKeeper is already open (and user house/keyboard happened within the last minute.)
29. Put in a test for duplicate Set names, changing duplicates to Name_1, Name_2 etc.
30. Automatically change default preferences if SK 2.0.2 has NOT been run previously :
Max Log size was 100MB, so if it is 100 MB set to new max of 30 MB, or the maximum existing log file size plus 5 MB, whichever is smaller. Show Invisibles files is turned off.
Max Warning was 20, so if it is 20 set to new Max Warnings to 100.

31. When copying to a Folder with Max Copies greater than 1 then:
Create new Copy folder if the Last Backup completed with no err.
(Backup after Abort or error goes into the same folder)
New folder is created if the day of backup is different than the last backup.
Creation and Modified dates for the copy folder is set to the time the folder is created/modified
32. When copying to a Folder with Max Copies equal to 1:
Creation and Modified dates for the copy folder is set to match the source folder.
33. Corrected error text: "Failed to Write Destination" and "Failed to Read Source"
34. Ignore errors related to dynamic temp files created by system during backup operation; not part of the backup.
35. Sleep re-enabled after backup, if backup was started while computer was sleeping.
36. Changed Options so edits to "Set Name" and "No of Copies" take effect whenever mouse is clicked outside the respective control and "focus" is removed:
37. Added a confirmation message to Exceptions "Remove Items" button.
38. Fixed a number of small issues with Setup Assistant associated with choosing a Destination volume that is too small to hold the entire system backup.
39. Added Warning messages when turning "Copy Set to Folder" off. Two types of messages are now available.
a) Ask before removing Set or Sets that have been created. b) warns about other files/folders that will be removed during actual Backup.
40. Added code for changing "Set Name" to rename log files to match the new Set name. Until now, changing Set Name would lose the log information and leave unused log files under the old Set name.
41. To simplify coding, only dates 1-28 are available for the days of the month schedule. Dates 29-31 are not available for scheduling.
42. Additional tests and warnings if Destination volume fills during the backup.
43. Improved sparse image support – unmounted volumes and missing volumes.
44. If "Ignore ownership" was enable on Destination drive, it is disabled for the backup, then setting is restored when backup is completed.
45. Improvements to Setup Assistant, if Restore Set was selected.

V2.0, October 2008

1. Re-implemented in X-Code for OS X. No longer uses CarbonLib. No longer compatible with OS 9. Compatible with Intel and PowerPC Macintosh computers. Compatible with OS X 10.3.9, 10.4.x, 10.5.x

For OS 9 users, v1.1.4 will still be available.

2. SilverKeeper now can run in the dock or in the background. SilverKeeper can be minimized. We still recommend that you do not run other applications or use your computer while backups are being performed. There is a preference setting to sound an alert when the backup is complete.
3. Setup wizard added to assist users with common setup tasks. User is prompted to create Backup Sets for entire System, all users, logged-in user.

4. Better support for network shares, drives, and network-attached storage (NAS and Ethernet Disk). Sparse Disk Image can now be used as a Backup destination, in addition to normal volumes mounted on the desktop. SilverKeeper will automatically mount disk images used as Backup destinations.
5. Bootable disk backups for OS X are limited to direct connect USB, FireWire, IDE/ATA or SATA disk drive volumes and must be formatted as Mac OS Extended.
6. The size of the log file has been increased; the max size can now be set by a preference setting. The logs may be saved as text files; there are preferences to determine what information is saved in the log files.
7. A user preference optional setting is available to show backup throughput performance.
8. Exception and Delete options can be set. Certain files/folders can be set to “never delete” or to be excluded from a backup.
9. Better file copying and permission management to reduce errors indicated by OS X. OS X errors are from the operating system – these numerical values are detected by SilverKeeper, and reported to the user. SilverKeeper errors are text based – a description is provided for errors within SilverKeeper. An error threshold can be set to terminate backup if error limit is reached before completion.
10. Help menu expanded to include links to the built-in SilverKeeper Help; LaCie homepage; SilverKeeper homepage; and email support link for SilverKeeper. SilverKeeper Help now available as separate PDF document. The email link will automatically capture key information about your setup to help troubleshoot your problem report.

V1.1.4 maintenance Release, 6-2005

Added automatic management of "Ignore Ownership" volume flag. SilverKeeper can now automatically clear this flag for the user. In addition, ownership is temporarily enabled on Source and Destination volumes when needed for complete backup.

Fixed UNIX symbolic link files to work correctly with Tiger.

Copying of symbolic links now works for links with name over 31 characters long.

Added reliability of copy tool process under Tiger (also added user warning if launch fails).

Exclude copy of Spotlight folder (invisible folder containing data base of files on each volume).

Change Backup so invisible files are automatically copied to destination without asking user.

V1.1.3 maintenance Release, 5-2005

Compatibility release for OS X 10.4, Tiger

Correct timeout error -50

Correct "Date Not Set" error when backing up locked files

Additional checks to assure proper creation of bootable backup

Added timeout for dialog prompting user input when file is newer on the destination, when compared to the source. Dialog will close after waiting 60 seconds, and continue; file will be copied from source to destination after timeout

V1.1.3 limited maintenance release

V1.1.2 maintenance Release, 5-2004

See separate "SilverKeeper Release Notes" document for latest updates.

See separate "SilverKeeper Q and A" document for answers to common questions.

V1.1.1 maintenance Release, 12-2003

Compatibility update for Panther.

Fixed compatibility with "spoken items" option under Speech preferences.

Several small updates to avoid unexpected application quit and scheduler errors.

Improved International support under OS X.

V1.1 OS X support Release, 8-2003

Now includes scheduler feature so backups can happen automatically on specified days and times.

Fully supports OS X file ownership and privileges.

Allows backup of complete boot volume to secondary volume that can then be used as the startup disk.

Log file is no longer limited to 32K in size.

International support for French, German, Italian, Spanish and Japanese.

V1.0.1 maintenance Release, 6-2002

Under OS X, Preferences are saved to Preferences folder rather than PreferencesPanels folder. Installer will automatically move prefs file to correct folder.

Multiple Folder Options now works correctly under OS X.

Scheduling for OS X still not implemented.

Added "Never Remove Files" option so users can collect files in Backup destination.

Improved date checking to reduce reports of destination file being different from source file.

Installer checks for proper installation of "LaCie backup Support" extension under OS 9. Some users reported that file was never installed.

Installer Log now produced, and saved in Documents:Installer Logs folder. Shows files and folders installed.

Backup Log size is limited to 32K of text. When log file is full (very large Backups with many files) Log will report that it is full and Backup continues. All files are backed up, but you will not have complete log information.

Under OS X. SilverKeeper cannot perform a full System backup, as it does not keep track of file permission information. We recommend that you use SilverKeeper to Backup files in your Home folder. Your user permissions may not permit you to read or copy all System files, so backup will not have proper results.

However, there is a workaround for expert users: under OS 9, all files on disk will be backed up to a destination. If you have dual boot system, OS 9 and OS X, Backing up under OS 9 will copy all files.

Note well: some users of SilverKeeper 1.0 reported problems with installation that are likely due to one or more of the following:

- corrupted disk volume containing System; run Disk first Aid before installation to be sure disk is OK.
- Mac OS 9 system is corrupted; re-installing with a clean install of OS resolved issue
- user does not have permission to write to Extensions, System, and/or Applications folder causing Installer to quit. User must have full write permissions in order to install.

Also Note well: some users reported problems writing to external drives; notably FireWire drives.

- Be sure that your drivers are up to date, and to run Disk First Aid on the drive.
- verify that large file copies are OK by performing a Finder copy to the drive. Some FireWire drives cannot tolerate extended or large file copies. LaCie recommends you use Apple's drivers for FireWire hard drives for normal operation.

Also Note well: when backing up to a server, it may not be possible to set creation/modification dates on the Destination to exactly the same as the Source. This is due to server matters that are beyond the control of SilverKeeper. In any case, SilverKeeper will copy the files to the destination it can. If SilverKeeper verifies that destination already contains the exact copy of a file, it will not copy again. When a date/time mismatch is detected, the error log will note it, and when copying is finished, a summary will be reported in the log.

V1.0 First Release. 4-2002

Schedule operations only work under OS 9.x. No schedule functionality under OS X. Schedule options are grayed out under OS X.

Help Viewer may not display SilverKeeper Help correctly due to bug in OS 9.0.4. Apple corrected this in Mac OS 9.1. LaCie recommends updating your OS to 9.2 or later.

English only for now; localization for Japanese, French, German, Spanish, and Italian will be made available in a later release.