

ScriptLogic[®] Secure Copy[™]4 Getting Started Guide



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DOCUMENTATION CONVENTIONS

Typeface Conventions

Bold Indicates a button, menu selection, tab, dialog box title, text to type, selections from drop-down lists, or prompts on a dialog box.

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SCRIPTLOGIC ON THE WEB

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- Download product updates, patches and/or evaluation products.
- Locate product information and technical details.
- Find out about Product Pricing.
- Search the Knowledge Base for Technical Notes containing an extensive collection of technical articles, troubleshooting tips and white papers.
- Search Frequently Asked Questions, for the answers to the most common non-technical issues.
- Participate in Discussion Forums to discuss problems or ideas with other users and ScriptLogic representatives.

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What is Secure Copy?

Secure Copy is a comprehensive solution for data duplication, local group and user migration, share migration, and NTFS permissions configuration. Secure Copy permits seamless migration, allowing an administrator to copy files and directories on NTFS partitions while keeping the security intact, creating shares, and migrating local groups. All of this functionality is available in an easy to use interface, which keeps you updated on copy progress, as well as any errors that may occur. Secure Copy also includes functionality such as differential copying, full command line support, saving multiple jobs, and scheduling jobs to run after hours. Secure Copy supports Windows NT/2000/XP/2003 environments and is compatible with the Microsoft Cluster Service.

🐻 Secure	Copy(tm) v4.05 SLAdmin								
Eile Job	Window Help								
2	🚽 🗁 × 📨 🎾 😭 🕘								
👌 Secu	re Copy 🔁 Saved Jobs								
CStep 1:	Select source folders (where you want to copy fr	om)							
Path(s):	Source Paths								
	C:\Program Files\								
	C:\Program Files\Accessories\			HOD					
	C:\Program Files\Common Files\			Del					
	C:\Program Files\Complus Applications\	Tab. (Hatilad)	Convine files						
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	C:\Program Files\microsoft frontpage\	Copy From: C:iPro	aram Eiles'i Techs	mith)SpanIt 7)Textures)				0	ncel
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	C:\Program Hiles\Microsoft Sql Server\	Copy To:	and the second of the	in a d data internet a d M. Para an a d d	De de cel Te de ce abie			Sav	e as
	C: (Program Files(Netmeeting)	Copy to: C:(Doc	uments and set	ungs (Administrator (my Documents)	(backup) i echsmith):	snagit /(Textures)			
-Step 2:	Select target folders (where you want to copy to	Files Processed:		DirectoryTotals		File Totals:	[
Path(s):	Target Paths	Count:	315	Directory Count:	71	Count:	315		
	Backup Program Eiles)	_	00.01 MD			_	00.01 MD		
		Size:	29.31 MB	Error Count:	lo l	Size:	29.31 MB		
		Files Skipped:		Synchronization		Copy Statistics -			
		Countr	119	Target Files Durged	0	Elapsed Time:	00:00:21		
		Counc.		rangee mean argea.					
		Size:	11.69 MB	Target Directories Purged	0	Performance:	858.93 KB /s		
	Create initial source folder under target fold		[~			
Step 3:	Choose from available copy options	Ihread	Files copied	Size in Bytes Percent com	plete Processin	ghle			
	Options Copy Changed Files, Synchronize	CopyThread_1	195	16200805 100%	Thread ha	as completed process	ing.		
	Don't Migrate Local Groups(Lisers	CopyThread_2	1	2277376 100%	Thread ha	as completed process	ing.		
	No filter applied								
		•							Þ
		Thread	Error Message	•	Path				
		41	-						
									-
		Close this windo	v automatically v	when no errors occur.					

RETAIN SECURITY WHILE YOU COPY

If you use Windows NT Explorer, or the copy and xcopy commands to copy files, the file permissions are not copied with the file. Other utilities allow you to copy files and directories with security, but it does not create existing shares and migrate local groups like Secure Copy.

CREATE SHARES WHILE COPYING

Now you have the option to migrate existing shares on the source server to the destination server, while using Secure Copy. As Secure Copy copies each folder, it first checks to see if that folder is shared. If so, Secure Copy will create the share on the destination server and copy the permissions to the share. This outstanding feature makes Secure Copy worth the investment.

🚰 General Copy Options	Migrate File Shares
💟 Advanced Options	V Migrate File Shares to Destination Server
Compression Options	If the share name already exists
😂 Migrate File Shares	Skip it (ignore)
👥 Migrate Local Groups	C Overwrite (remove old share, create new one)
🔑 Filter Files	C Add the suffix:
	Cluster Group Name:

MIGRATE LOCAL GROUPS WHILE COPYING

Secure Copy is the only tool available that migrates local groups while copying files. A local group is local to the machine it was created on. If a local group has permissions on a file in your source server, Secure Copy creates the local group on the destination server and modifies the permissions list on the destination file to reflect the newly created local group. If you were to use the **scopy.exe** program in the NT resource kit, every local group would appear as **Account Unknown** in the destination file's permissions list. If the local group name already exists on the destination server, you choose to be prompted for a new name or select a prefix or postfix naming convention.

Secure Copy Options	
🚰 General Copy Options	Migrate Local Groups
🕖 Advanced Options	Migrate Local Groups/Users to Destination Server
Compression Options	Migrate the following:
😥 Migrate File Shares	Select local group destination
🕵 Migrate Local Groups	C Active Directory O MI Domain
🔑 Filter Files	Always perform the following action
	If the local group/user name already exists
	Use the existing group/user Add members of the source group to existing group
	C Synchronize target members with source members
	Select how BUIL I IN groups are to be treated
	Map file

SAVE JOBS FOR FUTURE OR SCHEDULED USE

Secure Copy allows you to define a job, which is a set of source paths, a target path, and copy options so that you can use the job in the future, either on-demand or scheduled. Secure Copy features a powerful scheduler that runs your jobs based on a variety of scheduling options, freeing you up to concentrate on other activities.



What's New in Secure Copy 4?

ScriptLogic Corporation is pleased to announce the introduction of Secure Copy[™] version 4.0. This release extends Secure Copy's market leadership as the fastest, easiest, most secure and most cost-effective product for the migration, consolidation and replication of files and file servers.

The new functionality in version 4.0 enables IT administrators and consultants to complete migration, consolidation and replication projects faster and with less manual intervention than ever before.

MULTI-THREADED COPYING

Secure Copy 4 has been comprehensively overhauled under the hood with a new multithreaded copying engine to maximize performance and make full use of available network bandwidth. This is especially noticeable when copying large numbers of files that are less than, say, 250k in size. On the average file server containing a wide range of file sizes, performance increases of 50-100% over Secure Copy 3 are expected.

The dramatic performance increases possible with Secure Copy 4 reduce the time taken for server migrations and consolidations, lowering the project cost and increasing the IT administrator or consultant's productivity.

opy To: C:\Do	cuments and Se	ettings\Administrator	\My Documents\Backup	\Techsmith\SnagIt 7\Textures\	Save as
Files Processed:		DirectoryTo	tals	File Totals:	
Count:	315	Directory Co	ount: 71	Count: 315	
Size:	29.31 MB	Error Count	0	Size: 29.31 MB	
iize:	11.69 MB	Target Direc	tories Purged 0	Performance: 858.93 KB /s	
ineau 👘	Files copied	Size in Bytes	Percent complete	Processing file	
👌 CopyThread_1	15	16200805	100%	Thread has completed processing.	
CopyThread 2	1	2277376	100%	Thread has completed processing.	

Multiple threads for the fastest copying performance available

In Secure Copy 4, the process of copying files is broken down into individual smaller copy jobs that are defined by the following parameters:

- **Thread count** supplies the number of copy threads for an individual smaller copy job. The minimum is 2 and the maximum is 20.
- **Batch count** supplies the maximum number of files in an individual smaller copy job. The minimum number of files is 25 and the maximum is 100.
- **Batch size** supplies the maximum number of bytes in an individual smaller copy job. The minimum is 1 byte and the maximum is 10.

By specifying different combinations of these values in **Advanced Options**, you can fine-tune the performance of Secure Copy to your individual machine and network configurations to optimize performance of the application and its impact on the available machine and network resources. For more information, see *Error! Reference source not found.* in the *Secure Copy User Manual*.

AUTOMATIC RETRY OF FAILED JOBS

A common challenge when copying data is that some files and folders are locked by a process and cannot be accessed. IT administrators and consultants usually have to go through the logs at the end of a copy job and identify which files were not copied because a user or program was accessing them, and then manually reschedule a new job hoping to find a time when they are unlocked. With Secure Copy 4 this chore is reduced, as files that failed to copy can be automatically rescheduled for more attempts after the rest of the data has finished copying.

For example, file server A is being copied to its redundant backup every night. Some workers are working late with an application that locks files on server A and makes them unavailable for copying. The administrator schedules the copy job to start at 8 PM, but early the next morning he has to manually check to see whether the workers had all released their file locks before the copy job tried to copy their files. If there were any that failed to copy, he has to manually copy those files before the workers need them again. Now, with Secure Copy 4, he simply enables Automatic File Retry and goes home knowing that Secure Copy will automatically retry failed file copies until the files are available, or he tells it to stop trying.

This simple feature significantly eases the process of migrating and copying data on file servers, and further defines Secure Copy 4 as the perfect tool for data replication and file server migrations.

🚰 General Copy Options	Advanced Uptions
💟 Advanced Options	Esset Last Accessed Date on source files Copying files and permissions causes the Last Accessed Date to be set to the current date on the source file. This option will cause Secure Copy to reset the date to what it
Compression Options	was before the copy occurred.
😂 Migrate File Shares	I grant make task necessal base and Created base on target, where you can be for a set of the copy on the target to be identical to the copy on the source, including the Last Accessed Date and Created Date, then select this option. If it is not selected, the dates with a utomatical weet to the one caretain system.
👥 Migrate Local Groups	☐ Always copy perms, even on skipped files
🔎 Filter Files	If you want to make sure that the permissions on all files are migrated, then select this option. Otherwise, only permissions for files that would normally be skipped but have the archive bit set will be copied.
	Gear Archive Bit on source after copying If you want Secure Copy to behave like a backup program so that it clears the archive bit on the source file after it copies it, then select this option. Otherwise the archive bit will remain untouched.
	Verify file copy
	Set Password for migrated user accounts. New Password:
	Thread count (2-20): 2 C Retry on locked file
	Batch count (25-100): 25 Retry attempts 5
	Batch size (1-10MB): 1 Minutes between retries 30

New options to tune performance and manage retries



IMPROVED AND UPDATED USER INTERFACE

Secure Copy 4's User Interface has an updated look-and-feel with dockable toolbars for increased flexibility in arranging the workspace and maximum ease-of-use. In addition, the layout of the **Secure Copy Options** dialog box has been enhanced to simplify the user's experience, and new options have been added to control multi-threaded copying and automatic retries..



Installing Secure Copy

BEFORE YOU BEGIN

If you have not yet done so, please download the latest version of Secure Copy, which can be found at the following link:

http://www.scriptlogic.com/support

Supported Management Platforms

Windows NT 4.0/2000/XP/2003

Note: Secure Copy will transfer data between NTFS partitions only. Secure Copy cannot be used with any other files systems, including but not limited to HPFS, FAT16, and FAT 32. Certain NAS appliance manufacturers have devices that are compatible with Secure Copy.

Minimum System Requirements

The minimum requirements are the same as the operating system of the machine on which Secure Copy is installed. Of course, faster processors and more memory will affect the performance of Secure Copy.

User Privilege Requirements

In order to use Secure Copy, a user must hold administrative rights. These rights are required for the installation and use of the product. Additionally, users must have administrative rights on any servers or workstations that are involved in the copy process.

Destination Folder

Secure Copy needs to be installed on only one machine, which can be the source machine, the target machine, or a third machine that is used to facilitate the copy process.

Ideally, install Secure Copy on the source server, which is most probably retired after the migration is done. The only time it is not recommended is when the source server is too old to be quick enough or reliable enough for the copy process to be successful.

RUNNING THE INSTALLATION WIZARD

Secure Copy is provided in a Windows Installer package format, which allows for robust, self-repairing of application files and ease of installation and software distribution. The Windows Installer service is included with Microsoft Windows 2000 and later, for the purposes of this product installation.

Note: At the end of the installation wizard, you may be prompted to restart your computer.

1. After downloading Secure Copy, double-click the .msi file or right-click the .msi file, and then select **Install**. The **Welcome** dialog box appears.



2. Click the Next button. The License Agreement dialog box appears.

👹 Secure Copy 4 - InstallShield Wizard	×
License Agreement Please read the following license agreement carefully.	4
END USER LICENSE AGREEMENT ("EULA")	•
PLEASE READ THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT (THE "AGREEMENT") CAREFULLY BEFORE DOWNLOADING AND/OR INSTALLING ANY SCRIPTLOGIC SOFTWARE PRODUCT (INDIVIDUALLY AND COLLECTIVELY, THE "SOFTWARE") AS PROCEEDING WILL INDICATE YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS. THE LICENSE RIGHTS GRANTED TO YOU IN	
• I do not accept the terms in the license agreement C I do not accept the terms in the license agreement	
InstallShield	:

Note: You must accept the terms of the license agreement in order to continue with the installation. The software may also be governed by other applicable laws and copyrights not specifically enumerated in the license agreement, or as dictated by supplemental documentation included with the product or at the time of purchase or evaluation.

3. Select I accept the terms in the license agreement, and then click Next. The Customer Information dialog box appears.

🔂 Secure Copy 4 - InstallShield Wizar	d		×
Customer Information Please enter your information.			
User Name:			
Valued Customer			
Organization:			
Microsoft			
Install this application for:	omputer (all users) itomer)		
א וויניומיאיו וובינט	< <u>B</u> ack	<u>N</u> ext >	Cancel

The **User Name** and **Organization** boxes default to the values set when the operating system was installed. You can choose to install the application for all users or just you.

4. Select whether to install the application for just yourself or all users, and then click **Next**. The **Destination Folder** dialog box appears.

🙀 Secure C	Copy 4 - InstallShield Wizard
Destinati Click Ne>	ion Folder <pre>xt to install to this folder, or click Change to install to a different folder.</pre>
	Install Secure Copy 4 to: C:\Program Files\ScriptLogic Corporation\Secure Copy 4\
TostallShield	
unscanorneiu -	< <u>B</u> ack Cancel

If you want to change the installation destination, click **Change**, and then select a new location.

5.	Click Next.	The Ready to	Install the	Program	dialog box appears.
----	-------------	--------------	-------------	---------	---------------------

🙀 Secure Copy 4 - InstallShield Wizar	d		×
Ready to Install the Program The wizard is ready to begin installation			
Click Install to begin the installation.			
If you want to review or change any of exit the wizard.	your installation	n settings, click Back. (Ilick Cancel to
InstallShield			
	< <u>B</u> ack	Install	Cancel

6. To begin the installation, click **Install**. The **Installing Secure Copy 4** dialog box displays a status bar dialog that indicates the installation progress.

🙀 Secure C	opy 4 - InstallShield Wizard	×
Installing The prog	gram features you selected are being installed.	
P	Please wait while the InstallShield Wizard installs Secure Copy 4. This may take several minutes.	
	Status:	
	Generating script operations for action:	
InstallShield -		_
	< <u>Back</u> <u>N</u> ext > Cancel	



When the installation is complete, the **InstallShield Wizard Completed** box appears.

7. Click Finish. If you are prompted to restart your computer. To restart, click Yes.

STARTING SECURE COPY

Click Start, point to Programs > ScriptLogic Corporation > Secure Copy 4, and then select Secure Copy Console. Each time you run the program you are greeted by the splash screen, which displays the initialization of the program and the current version number.



The first time you start Secure Copy, you see the **New Installation** dialog box, which allows you to apply a license file or evaluate the product without a license, as well as contact ScriptLogic Corporation and visit our website for further information.

New Installation: Secure Copy (tm)		
Secure Copy (tm) 4.00.112 Copyright (C) 2000-2005, ScriptLogic Corporation http://www.scriptlogic.com		
THANK YOU! for choosing Secure Copy (tm). If you have a license file, enter the path to the file below and click 'Apply License File'. If you do not have a license file, click 'Begin Evaluation' to start Secure Copy (tm) in evaluation mode.		
License File:		
P		
	Apply License File	
	Begin Evaluation	
	⊆ancel	

Applying a License File

Secure Copy requires a valid license file in order to function properly. If you have a company license file or were provided with an evaluation or temporary license file, you must enter the location and filename in the **License File** box.

The license (.lic) file is approximately 1KB in size. Your sales account executive or support team specialist should have emailed the license file to you as an attachment.

Click ... to locate the license file, and then click **Apply License File**.

Evaluating the Product

▶ If you are evaluating the software and would like to use the preset values for the number of licenses, objects, and evaluation days, click **Begin Evaluation**.

Note: The full and evaluation versions of Secure Copy are identical. The license file is the sole determinant of program functionality.

Troubleshooting

FREQUENTLY ASKED QUESTIONS

I get errors when I try to run the Secure Copy installation file on Windows NT 4.0. Why is this?

The Secure Copy setup file is now distributed in a Windows Installer package due to the inherently robust nature of this package. Additionally this format provides for ease of distribution, publication, installation and uninstallation. The Windows Installer service is built into the Windows 2000/XP/2003 operating systems, but not into Windows NT 4.0. To install Secure Copy correctly on Windows NT 4.0, you need to first install the Windows Installer service.

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I am licensed for multiple servers, but I get an error message when I try to apply my license file to another server. It states that the license file has already been applied and to please select a fresh file to unlock the product. Why?

This behavior is by design. Please contact technical support for a resolution.

When I copy the command line version of Secure Copy to another server it is limited as to how many objects it can copy. Why is this?

The command line version needs to run from a machine where Secure Copy is installed as the command line version uses the same license file.

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