SecureData SecureRecovery for macOS





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I GENERAL INFORMATION

1.1 Product Overview

SecureRecovery for MacOS helps to recover files from logically damaged macOS and Windows volumes.

Examples of logical damages are: deleted files, virus attack, file system corruption, reformatted or repartitioneddrives.

1.2 Product Features

- SecureRecovery for MacOS recovers data from Hard Disk Drives, SSDs, and USB Flash Drives.
- Supported file systems: APFS, HFS/HFS+, FAT/exFAT, and NTFS.
- The software has a built-in quick diagnostic system that can determine drives' physical health and show whether it is safe or not to proceed with the recovery.
- The program uses a state of the art recovery engine that makes it one of the most successful and advanced data recovery software in the industry.
- SecureRecovery for MacOS has a built-in previewer for most common office files and pictures that works even in its Demo mode.

1.3 Product Limitations

SecureRecovery for MacOS should not be installed on the same volume that is going to be recovered.

The program cannot be used on drives with significant physical problems. It is not recommended to run any recovery software under these circumstances as it could worsen the drive's conditions and lead to the complete data loss.

SecureRecovery for MacOS has a built-in diagnostic system that guides a user on whether it is safe to run recovery software.

1.4 System Requirements

SecureRecovery for MacOS can be installed on any Mac running Mac OS X v10.4 Tiger, Mac OS X v10.5 Leopard, Mac OS X Snow Leopard 10.6, Mac OS X Lion 10.7, OS X Mountain Lion 10.8, OS X 10.9 Mavericks, OS X 10.10 Yosemite, OS X 10.11 El Capitan, macOS 10.12 Sierra, macOS 10.13 High Sierra, macOS 10.14 Mojave, macOS 10.15 Catalina, macOS 11 Big Sur, macOS 12 Monterey, macOS 13 Ventura, macOS 10.15 Catalina, macOS 11 Big Sur, macOS 12 Monterey, macOS 13 Ventura, macOS 14 Sonoma, and macOS 15 Sequoia.

The program requires local administrator privileges.

The computer running the product should have enough disk space to save restored files.

II SOFTWARE ACTIVATION

SecureRecovery for MacOS will ask you to register the program on the first run.

	lease Register SecureRecovery for Mac
Name	Laura Lawson
Company (optional)	DataCare, Inc
Registration key	eaqrqwfsa3155unfsfgbasdetiueyueywgvazcvaafgagvfamkl, ;juoj fsa poiuoipiuafgpjmkl;'ajao;uipo09jgf;'asio9908345rio9

You can buy a license and register the program right away, or you can run it in Demo mode an unlimited number of times.

The Demo mode is fully functional, including a preview of the recovered data. The ability to recover files in the Demo mode may have limitations (i.e. the number and size of files that can be recovered). In order to remove this limitations user must buy a license.

You can always buy a license later after checking the recovery results.

III DATA RECOVERY PROCESS

3.1 Selecting Media for Recovery

3.1.1 Physical Drives and Volumes

Actions (8)	Select	presumable location for lost data.						
G Refresh device list	If you th	ink that missing data was located on o	ne of the exis	tina logic	al disks, selec	t correspondi	ng logical disk i	and click Next
Dpen Image	button. select c	If the logical disk with lost data has been corresponding physical drive or its part i	n re-formati tion and click	ed, delete Next but	d, corrupted, ton,	inaccessible o	r missing due t	o any other rea
Create image	10000	Device/Disk	*	Status	Label	FS/Interface	Start	Size
Ontions		Hand Drive 00000001		٠			0 Bytes	150 GB
options	× •	TOSHIBA MK2529GSG 0			02201013	USB	0 Bytes	232.89 GB
Scan options		EFI System Partition				FAT32	20 KB	200 MB
By Log		APFS Container				APFS	200.02 MB	37.25 GB
		🔿 📠 APFS			APFS	APFS	0 Bytes	37.25 GB
нир		/volumes/HFS			HFS	HFSX	37.45 GB	27.94 GB
🛤 Help		Empty Space27					65.39 GB	128.78 MB
(1) About		C C /Volumes/FAT32			FAT32	FAT32	65.51 GB	9.19 GB
		Empty Space 28					74.70 GB	128 MB
		/Volumes/exFAT			exFAT	exFAT	74.83 GB	36.84 GB
		 Basic data partition 			NTES	NTFS	111.67 GB	58.72 GB
		Empty Space 29					170.38 GB	62.50 GB
		🔘 🍄 Empty Space 29					170.38 GB	62.50 G

SecureRecovery for MacOS works with physical drives or volumes that reside on physical drives.

- "Device/disk" column shows all detected physical drives, and all volumes and partitions that are found on physical drives.
- "Status" column shows physical drive "health" status.
- "Label" column contains physical drives serial numbers and logical volume labels/ names.
- "FS/Interface" column has physical drives bus interface numbers and detected File System for logical volumes.
- "Start" and "Size" columns contain information about sizes and start positions of all physical drives and logical volumes.

Select a drive or a volume for recovery by clicking on it.

- To recover deleted or lost files, it is recommended to start with selecting the logical volume where the files were resided.
- If the drive was formatted, it is better to select the physical drive.

3.1.2 Media Status and S.M.A.R.T.

SecureRecovery for MacOS has a built-in quick diagnostic system that can determine drives' physical health and warn if running recovery software is not recommended.

Quick diagnostic is based on the physical drive S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology) status. The result of quick diagnostic is shown in the "Status" field.

Status Green	Represents fully functional physical drive. It is safe to run the program on this drive or any logical volume on this drive.
<mark>)</mark> Status Yellow	Represents degraded physical drive. Run the recovery software with extreme caution. The program has additional diagnostic steps and would stop the process if the drive degrades further during the recovery process.
e Status Red	Represents damaged physical drive. It is not safe to run any recovery software on such drive or any logical volume on it. Please send this drive for in-lab recovery by clicking on this link https://www.securedatarecovery.com/request-help

If you'd like to see detailed S.M.A.R.T. report - right click a physical drive and select Show S.M.A.R.T."

r COS Select presumable location for lost data. If you think that missing data was located on o button. If the logical disk with lost data has be select corresponding physical drive or its part	ne of the existing logica en re-formatted, deleted	l disks, selec	t co rrespondi		
Select presumable location for lost data. If you think that missing data was located on o button. If the logical disk with lost data has be select corresponding physical drive or its part	ne of the existing logica en re-formatted, deleted	l disks, selec	t co respondi		
	ition and click Next butt	, corrupted, i n.	naccessible o	r missing due to	ind click Next o any other rea
Device/Disk	 Status 	Label	FS/Interface	Start	Size
Hard Drive 00000001	•	100000000000000000000000000000000000000	1.0055	0 Bytes	150 GB
TOSHIBA MK2529GSG 0	Show S M.A R.T.	02201013	USB	O Bytes	232.89 GB
EFI System Partition		1	FAT32	20 KB	200 MB
APFS Container	Create Image		APFS	200.02 MB	37.25 GB
O 🛄 APFS	Refresh	NPFS	APFS	O Bytes	37.25 GB
🔿 🔟 /Volumes/HFS	Land	HES	HFSX	37.45 GB	27.94 GB
Empty Space 27				65.39 GB	128.78 MB
🗇 🔳 /Volumes/FAT 32		FAT32	FAT32	65.51 GB	9.19 GB
🔿 🥯 Empty Space28				74.70 GB	128 MB
Volumes/exFAT		exFAT	exFAT	74.83 GB	36.84 GB
🔘 🔳 Basic data partition		NTES	NTES	111.67 GB	58.72 GB
O Sempty Space 29				170.38 GB	62.50 GB
	Hard Drive 0000001 FOSHIBA MK2529055 0 FFI System Partition FFI System Partition APFS Container APFS C	Hard Drive 0000001 Fig. 20000001 Fig. 20000001 Fig. 20000001 Fig. 20000000 Fig. 20000000 Fig. 20000000 Fig. 200000000 Fig. 200000000 Fig. 200000000 Fig. 2000000000 Fig. 2000000000 Fig. 2000000000 Fig. 2000000000 Fig. 2000000000 Fig. 200000000 Fig. 200000000 Fig. 200000000 Fig. 2000000000 Fig. 2000000000 Fig. 2000000000 Fig. 200000000 Fig. 200000000 Fig. 200000000 Fig. 200000000 Fig. 200000000 Fig. 200000000 Fig. 20000000 Fig. 200000000 Fig. 2000000000 Fig. 2000000000 Fig. 2000000000 Fig. 2000000000 Fig. 2000000000 Fig. 2000000000 Fig. 200000000 Fig. 200000000 Fig. 2000000000 Fig. 2000000000 Fig. 20000000000 Fig. 2000000000 Fig. 20000000000 Fig. 2000000000 Fig. 20000000000 Fig. 2000000000000000000 Fig. 200000000000 Fig. 20000000000000000000000000 Fig. 2000000000000000000000000000000000000	Hard Drive 0000001 TOSHIBA MK25220550 Show SIMA R.T. Z2201013. EFI System Partition APFS Container APFS Container APFS Container APFS Volumes/HFS Empty Space27 Volumes/AF32 FAT32 Empty Space28 Volumes/aFAT Basic data partition NTFS Empty Space29	Hard Drive 0000001 F1 System Partition PFS Container APFS Polymeny/F5 Protocology Protocology	► Hard Drive 0000001 ● Degree ► FI System Partition FAT32 20 KB ▲ APFS Container FAT32 20 KB ▲ APFS Create Image FAT32 20 KB ▲ APFS Container FAT32 20 KB ▲ APFS Contaite Image FAT32 20 KB ▲ APFS Contaite Image FAT32 20 KB ▲ APFS Contaite Image FAT32 Contaite Image ▲ APFS Contaite Image FAT32 FAT32 ▲ FS MEFS APFS OBytes ▲ FS FAT32 FAT32 FAT32 ▲ FS FAT32 FAT32 FAT32 ▲ FS MEFS APFS OBytes ▲ FS MEFS APFS APFS ▲ FS FAT32 FAT32 FAT32 ▲ FAT Øbites Øbites ▲ FS MEFS MEFS ▲ FS MEFS MEFS ▲ FS MEFS MES ▲ FS MES MES ▲ FS

3.2 Creating and Using Disk Images

SecureRecovery for MacOS allows its user to create a binary image of any physical drive or logical volume and can later load that image and work with it as it would be a physical drive or logical volume.

To create an image: click the Create Image command.

Actions		Create Im	age - TOSHIBA MK2529GSG 0	
O Refresh	Image type: Comp	essed Image 📀		and ssin
Create I	Image file name: Nolume	s/SR/SRMac/TOSHIBA M	(2529GSG 0.rdr	
Options	Image Ontions	M	Scan Information	в
Scan op PLog	Compression ratio		Image spilt size	
telp	Forter speed	- Compliant size	O Automatic	
🚺 Help ① About		or hearing size	○ Fixed: 4 08 0	8
	Estimated size: 101.	28 GB		
	Password protection			
	Password:		¢,	**
	Confirm password:		ø.	

Select where you would like to save the image and click "OK".

Please note that creating an image requires large amount of storage space - shown in "Estimated size". Make sure you have enough free space available on your computer. You may scan the disk while the image is being created.

• Perfersh • Open im • Image type: Compressed image • Open im • Image type: Compressed image • Open im Image file name: Main Scan Information Options Create scan information file Main Scan Information Potions · Create scan information file File Signature Search Potions · Create scan information file Program will additionally search for the following lost files while scanning Help · Enable · = Program will additionally search for the following lost files while scanning Change · Enable · = Development files Known File Types · = Document Spreadsheet · = Document Spreadsheet · = Document Spreadsheet · = Granbles. Picture	ctions	000	Crea	te Image - TOSHIBA MK2	1529GSG 0		
Create Image file name: Advances/SR/SR/Mac/TOSHIBA MK2529GS0 0.rdr Main Scan Information Create scan Information file File Signature Search Advance File Syste File Syste File Syste Development files Development files Development Database Document Spreadsheet V Executable, Library, DLL Change Known File Types File Syste File Document Spreadsheet File Document Sprea	 Refresh Open Im 	Image type:	Compressed image	0			8 55
Image: Search Volumes Program will additionally search for the following lost files while scanning File Syste Program will additionally search for the following lost files while scanning File Syste Program will additionally search for the following lost files while scanning File Syste Program will additionally search for the following lost files while scanning File Syste Program will additionally search for the following lost files while scanning File Syste Program will additionally search for the following lost files while scanning File Syste Program will additionally search for the following lost files while scanning Change Mount Program will additionally search for the following lost files while scanning Change Program will additionally search for the following lost files while scanning Change Program will additionally search for the following lost files while scanning Change Program will additionally search for the following lost files while scanning Change Program will additionally search for the following lost files while scanning Program will additionally search for the following lost files while scanning Program will additionally search for the following lost files while scanning Program will additional	Create li	Image file name:	/Volumes/SR/SRMac/TOSHI	3A MK2529GSG 0.rdr	Texts 1		
File Syste > - • • Archive Change * Help > • • • • Development files Known File Types About * • • • • • • • • • • • • • • • • • • •	Scan op Clog	✓ Create sca /Volumes	e information file Program will additionally se	le Signature Search earch for the following lost	files while scanning		
Image: Second and Second an	elp Help) About	File Syste ✓ Enable	Image: Constraint of the second se	files Itabase readsheet		Change Y	E
			 Image: Second sec	ibrary, DLL			

You may also specify file signatures to search for.

ATTENTION: NEVER save an image file on the same logical volume that would be recovered. Neglecting this warning could lead to further data loss.

To load previously created image click Open Image, select the image file and click Open.

An opened image would look like just another disk or volume.

RECOVERY	MacOS					
Actions	Select presumable location for lost data.					
G Refresh device list	If you think that missing data was located on one of the exis	ting logic	al disks, sele	act correspo	nding logical o	disk and
🗑 Open Image	click Next button. If the logical disk with lost data has been due to any other reasons, select corresponding physical dri	re-formati ve or its p	ted, deleted, artition and	, corrupted, i click Next bi	naccessible o utton.	r missi
Create Image	Device/Disk *	Status	Labei	FS/Interface	Start	Siz
	Hard Drive 00000001	٠			0 Bytes	150
Options 🛞	//olumes/SR/SRMac/TOSHIBA MK2529GSG 0.rdr		Image			
Scan options	🗸 🌒 🧳 TOSHIBA MK2529GSG 0		0220101.	USB	0 Bytes	232
IP LOg	🔘 🛄 EFI System Partition			FAT32	20 KB	200
	M O M APFS Container			APFS	200.02 MB	37.2
lelp 🛞	O E APFS		APFS	APFS	0 Bytes	37.2
Help	🔘 🧮 Basic data partition		HFS	HFSX	37.45 GB	27.9
D About	Empty Space20				65.39 GB	128.
	🔘 📃 Basic data partition		FAT32	FAT32	65.51 GB	9.19
	🔘 🥯 Empty Space21				74.70 GB	128
	🗇 🔝 Basic data partition		exFAT	exFAT	74.83 GB	36.8
	🔿 📓 Basic data partition		NTFS	NTFS	111.67 GB	58.7
	🔿 🖙 Empty Space22				170.38 GB	62.5

3.3 Recovering Lost Data from Existing Logical Volumes

This section describes the recovery process when data loss occurred on the existing volume (i.e. deletion, missing files or corruption to the folder structure).

In this situation the logical volume and file system type will be recognized by SecureRecovery for MacOS and the volume will be shown in the Device/Disk column.

120457(STI)								
Ctions (8) C Refresh device list Open Image	If you think click Next b due to any o	umable location for lost data. that missing data was located o utton. If the logical disk with los other reasons, select correspon	n one of t t data ha: ding phys	he existir been re ical drive	ng logical dis -formatted, o or its partiti	ks, select of deleted, corr on and click	orresponding l upted, inacce Next button.	iogical disk ar ssible or miss
Create Image		Device/Disk	•	Status	Label	FS/Interface	Start	Size
(A)	20 🖪	Hard Drive 00000001					0 Bytes	150 GB
ptions (e)	Y O #	TOSHIBA MK2529GSG 0			022010	USB	0 Bytes	232.89 GB
Scan options		EFI System Partition				FAT32	20 KB	200 MB
Log	× 0	APFS Container				APFS	200.02 MB	37.25 GB
		🔹 📓 APFS			APFS	APFS	0 Bytes	37.25 GB
ielp 🛞		Volumes/HFS			HFS	HFSX	37.45 GB	27.94 GB
Help		Empty Space27					65.39 GB	128.78 MB
D About		Volumes/FAT32			FAT32	FAT32	65.51 GB	9.19 GB
	0	Empty Space28					74.70 GB	128 MB
		Volumes/exFAT			exFAT	exFAT	74.83 GB	36.84 GB
		Basic data partition			NTFS	NTFS	111.67 GB	58.72 GB
		Empty Space29					170.38 GB	62.50 GB

Select the volume and click the Next button.

The Software will present 2 options - Quick File Search or Full Scan.



3.3.1 Quick File Search

Quick File Search is the default option and is always recommended for the first attempt. It scans media in certain areas for existing file system data structures. The result is usually quick and sufficient for finding recently deleted, lost, or corrupted files.

To apply Quick File Search option, make sure the appropriate option is selected and click Next.

The software will then run a scan.

Once the scan is completed, the software will move to the next step where all the found files and folders will be presented.

Anterne Adex. Rises and Folder you want to recover and click the hext button. You may find those files by clicking find on the Task list, Double-click a file to preview it and file file file file file file file file		Far MacOS						
gr 1.09 ● DSCN0129.prg ● Good (Existing 5,071.967 3/3/2022 02:07 PM 8/9/2016 09:30 AM 12/19/2024 11:09 AM	Attions (Construction) Actions (Construction) Actions (Construction) Actions (Construction) Actions (Construction) Actions (Construction) Actions (Construction) Beau Actions (Construction) Beau Actions (Construction) Actions (Constructio	Macros	Nove Nove Nove DSc00368.prg DSc00368.prg DSc00401.prg DSc00401.prg DSc00401.prg DSc00401.prg DSc00401.prg DSc00401.prg DSc00401.prg DSc00401.prg DSc00411.prg DSc00401.prg DSc0041.prg DSc0041.prg D	uttor. You may find the Receivery chance Good (Existing Good (Existing) Good (Existing) Good (Existing)	524.8,4714 3,308,913 2,459,204 2,459,204 2,459,204 2,459,204 2,459,204 3,075,200 3,075,200 3,075,200 3,045,700 3,459,720 3,469,720 3,469,720 5,458,577 6,413,205 5,959,411 1,985,537 5,419,8537 5,419,865 5,979,841 1,985,537 5,419,867 5,419,857 5,419,457 5,419,457 5,419,457 5,419,457 5,419,457 5,419,457	Bildking Find on the T Orealed 3/3/022 02:07 PM 3/3/022 02:07 PM	ask Bat, Deublic-Click and Montreel Montreel Sty2orfe Disza AAI Bryzorfe Disza AAI	He to preview it and Accessed (2)902204 1100 AM (2)902204 1100 AM

SecureRecovery for MacOS shows its estimates of chances for successful file recovery in the Rec column.

At this step, user can check if the lost data has been found. The files of many common types (like DOC, PDF, JPG and similar) can be opened in preview mode and selected for further recovery (extraction).

Section Working with Found Data addresses the details of previewing and recovering found files.

3.3.2 Full Scan

Full Scan is used when the Quick File Search option is unable to find lost data. Full Scan reads and analyses the data through the entire volume, which may take an extended amount of time (multiple hours) depending on the volume size.

This mode allows the software to pick up lost fragments of the existing, older, or overwritten file systems residing on the volume, which might have been missed by the Quick File Search algorithm. To enable the Full Scan option, select the corresponding mode, then enable or disable check-boxes for specific file systems expected to exist on the logical volume.

	SecureRecovery for Mac	
Actions Actions	Select a required file recovery action and click the Next button to continue. Oulck File Search Select this action File Signature Search Program will additionally search for the following lost files while scanning Select this action File Signature Search Program will additionally search for the following lost files while scanning Compared Select this action File Signature Search Drogram will additionally search for the following lost files while scanning Development files Development files Document Spreadsheet Document Database Document Spreadsheet Development Spreadsheet Development files Document Spreadsheet Development files Development files Development files Development files Development files Development files Document Database Development files Document Database Development files Development f	for Mac will analyze
	✓ Enable File Signature See Reset to Recommended Select All OK This is an additional way to note that only unfragmented Use "Options." button to si Clear All Cancel	Options

Selecting Full Scan also unlocks the File Signature Search capabilities. This option allows the software to find files with no regards to the existing or missing file system. This option has limitations:

- 1. It does not recover folders structure and original file names;
- 2. It can only recover first part of fragmented files;
- 3. It does not recover files of the types unknown to the software.

To enable this option, make sure that Enable File Signature Search checkbox is ON.

Specific file types can be selected in the File Signature Search dialog by clicking the Options... button.

Once the selections for File Types and File Systems are done, click the Next button, and the software will advance to the scan.



Scan progress is displayed via progress bar, elapsed and remaining times, and numbers of found objects.

Scan process can be interrupted at any time by pressing the Stop button. From there, user will have options to show found data, return to the previous step, remain on the current step or continue scanning.



Once the scan is finished or interrupted with the option to show found data, the software will advance to the next step and the results of the scan will be shown. At this point user will be able to search, select, and recover found files.

You may save and load scan information.

Actiona 🛞	Mark files and folder you want to recove and estimate its recovery chances.	er and click the Next button	You may find those	files by clicking	Find on the Task lis	t, Double-clic	k a file to preview it
C Find Munks Find Instrume Find Perman Show All Files Show Deleted Files Recheck Recovery Chances Recever Recovery Chances Ch	APPS (Recognized))	Name Product VC Cope South HD. XC Cope South HD. XC Cope South HD. XC Cope South HD.	Recovery chancel Below Averag Below Averag Below Averag Below Averag	Sza, Bytes 183, 350, 180 182, 174, 608 183, 489, 608 182, 731, 418 190, 072, 978	Cristed 3/3/2022 02:06 3/3/2022 02:06 3/3/2022 02:08 3/3/2022 02:08 3/3/2022 02:08	Modified 8/3/2022 6/6/2016 6/6/20	Accessed \$132022 02:41 Pl \$132022 02:42 Pl \$132022 02:41 Pl \$132022 02:41 Pl \$132022 02:41 Pl \$132022 02:42 Pl \$132022 02:42 Pl
Hast Accessed			Marked: O files a	nd O folders. Tota	é size: O Bytes 👘 To	otal 77.36 GB ir	1 2122 files in 78 fold

Section Working with Found Data addresses the details of previewing and recovering found files.

3.4 Recovering Lost Files from Deleted/Corrupted Logical Volumes

Some of the data loss scenarios can cause damage to logical volumes. Examples include: volume deletion, partial overwriting, re-partitioning of the drives, re-formatting of logical volumes and similar issues. These types of situation would look like an inability to detect the file system or missing logical volumes (partitions).

SecureRecovery for MacOS can detect deleted partitions and show them directly on the Device/Disk panel.

	For MacOS						
ections 🛞	Select presumable location for	ost data.					
Refresh device list	If you think that missing data was	located on one of the	e existing	logical disks	select corre	sponding logi	cal disk and d
Com Image	Next button. If the logical disk wi	h lost data has been	re-formati	ed, deleted,	corrupted, in	accessible or	missing due
Create Image	other reasons, select correspond	ng physical drive or i	ts partition	h and click N	ext button.		
	Hard Drive 000000	1	Status	LaDel	Fayinternace	O Putor	160.00
ptions 🛞	TOSHBA MK25296	SG O	-	0220101	USB	0 Butes	232 89 6
Scan options	EEI System Parti	ion		0220101	FAT32	20 KB	200 MR
Log	APES Container				APES	200.02 MB	37.25 GB
				APES	APES	0 Bytes	37.25 GB
elp 🛞	🔿 🥅 /Volumes/HFS			HES	HESX	37.45 GB	27.94 GB
Help	O S Empty Space 27					65.39 GB	128.78 ME
D About	🔿 💼 /Volumes/FAT32			FAT32	FAT32	65.51 GB	9.19 GB
×	Empty Space28					74.70 GB	128 MB
	🔿 💆 /Volumes/exFAT			exFAT	exFAT	74.83 GB	36.84 GB
	🗇 🔳 Basic data partit	on.		NTES	NTES	111.67 GB	58.72 GB
	BeletedPart1				HES+	170.38 GB	62.38 GB
						170 00 00	00 50 00

If no partitions can be found, the software uses a specific mode called Disk Scan. Disk Scan can be applied to the entire physical drive or to the partition or logical volume with an unknown or missing file system.

Actions	Select pres	sumable location for lost data.						
G Refresh device list	If your think	that missing data was incated on	one of the	ovietino	lonical diake	salast corre	enondina looi	al diek and eli-
	Next buttor	, if the logical disk with lost data	has been r	e-formatt	ed, deleted,	corrupted, in	accessible or	missing due to
🕞 Open Image	other reaso	ns, select corresponding physica	I drive or it	s partition	h and click N	ext button.		
Create Image	Final States	Device/Disk		Status	Label	FS/Interface	Start	Size
Intions	>0 🖻	Hard Drive 00000001					0 Bytes	150 GB
sprioris (c	- O Ø	TOSHIBA MK2529GSG 0			0220101	USB	0 Bytes	232.89 GB
Scan options	0	EFI System Partition				FAT32	20 KB	200 MB
B ^o Log	× 0	APFS Container				APFS	200.02 MB	37.25 GB
	1	🔿 🕮 APFS			APFS	APFS	0 Bytes	37.25 GB
Help (8	0	Molumes/HFS			HFS	HESX	37.45 GB	27.94 GB
Help	0	Empty Space27					65.39 GB	128.78 MB
About	0	/Volumes/FAT32			FAT32	FAT32	65.51 GB	9.19 GB
	0	Empty Space28					74.70 GB	128 MB
	6	/Volumes/exFAT			exFAT	exFAT	74.83 GB	36.84 GB
	0	Basic data partition			NTFS	NTFS	111.67 GB	58.72 GB
	•	Empty Space 29					170.38 GB	62.50 GB

Select Disk or Volume and click the Next button to advance to the next step.



On Disk Scan screen user can make a selection of the file system types to search for.

There is also an option to run File Signature Search at the same time. File Signature Search was described in the **Full Scan** section.

Click the Next button to start the scan.



Once the scan is complete, the software automatically switches to the next step showing recognized volumes and file systems.

SECURE RECOVERY	For MacOS
Actions (8) Save recognized partitions layout	The following partitions have been found during the full scan. Select the partition you want to recover your files from and click Next. Legical Disks List
Iptions (8) Scan options Itog Labout Di About	Device(Disk Status F5@met/see Start Size Recognized0 NTFS 28.99 GB 990.00 MB 990.00 MB Recognized1 NTFS 28.87 GB 182 CB 990.00 MB Recognized1 FAT32 58.74 GB 182 CB 980.00 MB Recognized1 NTFS 89.97 GB 18.69 GB 980.00 MB
	Partition 1 Existing partitions. Chances are highest that data recovery will be successful from this partition. Partition 2 Both boot records and file entries are found for this partition. Chances are high that data recovery will be successful from this partition. Partition 3 Only file entries are found for this partition. Chances are medium that data recovery will be successful from this partition. Partition 4 Only boot records are found for this partition. Chances are low that data recovery will be successful from this partition.
	< Back Next

Once the scan is complete Select the necessary partition and click the Next button.

From this point the process transforms to **Recovering Lost Data from Existing Logical Volumes**. Select the Volume, then click the Next button and proceed with recovering data.



3.5 Working with Found Data

At the final step of Data Recovery Process the found files are presented in a treeview, similar to a regular file system layout. In most cases, the tree would replicate the original folder structure that existed on the media.

The list in the right section can also be sorted by columns (file size and three timestamps).

Find(Mark Find(Mark) State State Recently change State Recently change State State Month Month	Actions	Mark files and folder you want to re	ecover and click the Next b	utton. You may find th	use files by a	clicking Find on the T	ask list, Double-click a	file to preview it and
		estimate its recovery chanses.	Nave DSC00308.prg DSC00407.prg DSC00407.prg DSC00407.prg DSC00407.prg DSC00407.prg DSC00407.prg DSC00407.prg DSC00407.prg DSC00407.prg DSC00407.prg DSC00417.prg DSC00417.prg DSC00417.prg DSC00417.prg DSC00417.prg DSC00107.prg DSC00117.prg DSC00117.prg DSC00117.prg DSC00117.prg DSC00117.prg DSC00117.prg DSC00117.prg DSC00107.prg DSC00117.prg DSC00107.prg DSC00117.prg	Incessery channel Good (Existing Good (Existing) Good (Existing) Good (Existing) Good (Existing) Good (Existing) Good (Existing) Good (Existing) Good (Existing)	520, 8,145 3, 508,915 2,459,206 2,442,046 2,720,737 5,669,500 3,669,600 3,669,700 5,689,700 6,134,205 5,689,70 6,134,205 5,999,411 10,161,268 1,985,537	Created 313/2022 02:07 PM 313/2022 02:07 PM	Medited 8(9)(2016 (9):23 AA 8(9)(2016 (9):33 AA	Accessed 12/19/2024 1100 AM 12/19/2024 1100 AM

SecureRecovery for MacOS shows its estimates of chances for successful file recovery in the Rec column.

3.5.1 Previewing

SecureRecovery for MacOS allows the user to preview the most common file types before extraction. To open the preview window - double-click the file.

The software currently supports previewing for many file types, including images, video formats, MS Office / OpenOffice / LibreOffice files, and PDF files.



The picture can be rotate, zoomed in/out by, and marked for recovery.



Locate file, Mark for recovery, Previous file, Next file, Recover, Zoom In. Zoom Out, Actual Size, Rotate Counterclockwise, Rotate Clockwise, Fit in Window, Full Screen.

3.5.2 Searching, Masking and Sorting

SecureRecovery for MacOS has a powerful set of features to sort and group found files, search for the specific files and folders, and hide unnecessary data.

3.5.2.1 Sorting and Grouping the Recovery Results

The highlighted middle section of the toolbar is responsible for sorting the recovery results.

There are 5 different options available: Original Tree View, File Type, Creation Time, Modification Time, and Last Access Time.

Original Tree View sorting mode replicates the original folder structure that existed on the media and shows it under the Root section.

Folders and files marked by red X had existed on the file system before, but they were deleted, lost or corrupted at some point of time.

Extra Found Files section contains folders, which lost their names and parent folders, therefore they cannot be put into the Root tree above. The content of those folders usually has their original file names and subfolder structure intact.

Extra Found Files section also shows results of File Signature Search if this option was selected for Full Scan mode. The results are grouped by file type.

Please note that some file types (like JPG pictures) might have their timestamps and camera info preserved.

The second sorting mode is File Type.

In this mode all found files from the media are grouped and organized by type.

Actions 🛞	Mark files and folder you want to rec- estimate its recovery chances.	over and click the Next	button. You may find t	those files i	by elicking Find	i on the Task list, Dou	ble-click a file to previe	witand
Q Find/Mark Q Find/Mark Q Find Particul S Find Particul S Find Particul S For A First Mask S Set First Mask Rechck Recovery Chances Set First Sorted by Chances Set First Sorted by Set First Sorte	Arthie Clark image Clark image Clark image Clark image Clark image Clark image Madimeda Adde Madimeda Video Coher files Without extension	Name Mid_DataOl/PG Mid_DataOl/PG Not_0553/PG Mid_0553/PG Mid_0543/PG Mid_0434.PG Mid_0434.PG Mid_0434.PG Mid_0643.PG Mid_0654.PG Mid_0654.PG Mid_0654.PG	Recovery checols Good [Disting. Good [Disting.	Path Rock/ Rock/ Rock/ Rock/ Rock/ Rock/ Rock/ Rock/ Rock/ Rock/	Sice. Sylec 4,307,683 4,361,059 4,361,543 3,942,569 4,351,543 3,947,438 3,947,438 3,947,438 3,566,866 4,030,323 3,356,567 4,154,085 3,810,876	Constant 31/3/2022 02:00 BPM 31/3/2022 02:00 BPM	Modified 5/27/2008 11-46 PM 6/27/2008 11-66 PM 6/27/2008 11-56 PM 6/27/2008 11-56 PM 6/27/2008 11-56 PM 6/27/2008 11-56 PM 6/27/2008 11-20 PM 6/27/2008 12-20 PM 6/27/2008 12-20 PM 6/27/2008 12-20 PM 6/27/2008 12-20 PM 6/27/2008 12-20 PM 5/28/2008 12-20 PM	Accel 12/19/2024 12/19/2024 12/19/2024 12/19/2024 12/19/2024 12/19/2024 12/19/2024 12/19/2024
Help				farked: 0 fik	es and D folders	, Total size: 0 Bytes	Total 26.90 GB in 266 fi	ies in 59 folder

The last three sorting modes (Creation Time, Modification Time, and Last Access Time) use file timestamps to group all found files by a year, month, and date of their creation, modification, or last access respectively.

3.5.2.2 Searching Through the Recovery Results

SecureRecovery for MacOS allows the user to search for specific files and optionally select them for further extraction. Click the **Find/Mark** menu item to open the corresponding dialog window.



All Files mode means that the search uses all available files while applying additional criteria from the dialog window.

• •	Find/Ma	ark - APFS	
Files and Folders:	ontes.txt;*.jpg;Reports_1	??.docx	
Match case	Example: r*me.t?t; ginger	.*;	
Look at			
🖸 Files	Folders	💟 Deleted	<table-cell> Existing</table-cell>
Look in			
C Entire partition	(APFS)		
O Folder A	PFS		3 3
√ Loo	k in subfolders		
Advanced options			
Size From: 0	Bytes 0	Up To: 10	MB C
Decourse chonora	Good	Average	Bad
(for files only):	2 Undetermined	Warning: This infor	mation may be incomplete.
Creation date	1 month 🛛 🖸		a
Modification date	1 month 💿		a
Modification date	1 month 3		9
Modification date	1 month 3 1 month 3	○ Find next >	تھ آھ Find last
Modification date	1 month	● Find next > Mark all	Find last Unmark all

You may specify how to treat specified strings. Please note that SecureRecovery stores previously entered search strings.

All Files and Folders	If this option is selected, SecureRecovery applies Advanced Options to all files.
File Extensions	If this option is selected, SecureRecovery treats specified strings as file extensions
Files and Folders	If this option is selected, SecureRecovery treats specified strings as file names. Use ? for one unspecified character and * for an unlimited number of them to specify file masks.
Regular Expressions	If this option is selected, SecureRecovery treats specified strings as regular expressions
Match case	If this check box is selected, SecureRecovery makes a case- sensitive search
Look at	
Files	If this check box is selected, SecureRecovery includes files into a search.
Folders	If this check box is selected, SecureRecovery includes folders into a search. Disables when the Mark/Unmark All option is selected.
Deleted files	If this check box is selected, SecureRecovery makes a search among deleted files/?folders.
Existing files	If this check box is selected, SecureRecovery makes a search among existing files/?folders.
Look in	Specifies where SecureRecovery searches for, and marks, files. It can look for them on the Entire partition, or in/from a certain folder. If several partitions are opened in one tab, the places will be: All opened partitions, Selected partition, or in/from a certain folder. You may specify the starting folder for the search.
Advanced options	If this check box is selected, SecureRecovery will use the advanced options.
Size from/up to	Specifies file size limits.

Bad sectors	Specifies whether there are bad sectors in the files. Not known: it's unclear if there are bad sectors in the files.
Recovery Chances	Specifies files with certain recovery chances.
Date	Specifies file date boundaries. Dates for Modified, Created, and Last Accessed timestamps may be set separately.
	The Set for all button sets the specified data for all fields.
Find/?Mark options	Specify what SecureRecovery does with the found files. The Find first/previous/next/last options. SecureRecovery stops at the first/previous/next/last file that matches the specified search criteria. Find all files. SecureRecovery searches for all files that matches the specified search criteria. The search results appear in the Find Results panel. Mark/Unmark All. SecureRecovery marks/unmarks all files that match the search criteria. When these options are selected, SecureRecovery marks/unmarks files only, not folders, regardless of what Look at: Folders specifies. Please note, that when performing a new find and mark/?unmark task, SecureRecovery does not takes into consideration the previous marked/?unmarked state of files. For example, if you first mark all doc files, and then all txt files, all doc files remain marked, too. To unmark them, you should specify doc once again and select Unmark files.

To repeat the search,

* Click Find Next or Find Previous

3.5.2.3 Masking the Recovery Results

Masking allows showing only the files with specific parameters, while hiding everything else.

The first option is to select between All Files and Deleted Files only, which can be used directly from the toolbar.



The Mask dialog box will appear.

File Extensions:	 jpg; docx;xls 	x	3
<u>M</u> atch case	Example: txt;	doc; xls;	
Show empty fold	lers	Deleted files	
		Existing files	
Advanced			
Size From:	þ	Bytes 🔻 🗌 Up To: 0	Bytes 🔻
Creation date	Last 3 months 🔻		Ģ
Modification date	Last month 🔻		B
Last access date	Last week 🔻		5

You may specify options for All Files, File Extensions, Files, and Regular Expressions				
Match case	If this check box is selected, SecureRecovery makes a case-sensitive search.			
Show empty folders	If this check box is selected, SecureRecovery will show fold- ers with no files in them.			

Deleted files	If this check box is selected, SecureRecovery makes a search among deleted files/folders.
Existing files	If this check box is selected, SecureRecovery makes a search among existing files/folders.
Use advanced op- tions	If this check box is selected, SecureRecovery will use the advanced options, even when they are hidden.
Advanced Options	
Size from/up to	Specifies file size limits.
Bad sectors	Specifies whether there are bad sectors in the files. Not known: it's unclear if there are bad sectors in the files.
Runtime image	Specifies whether the files have already been included into the runtime image.
Date	Specifies file date boundaries. Dates for Modified, Created, and Last Accessed timestamps may be set separately.
	The Set for all button sets the specified data for all fields.

3.5.3 Searching, Masking and Sorting

Before extracting the recovered data - the desired files and folders need to be selected and marked first.

Files can be marked by clicking on a checkbox to the left of a file or folder name.

Using checkbox at the very top of the tree would select the whole tree - i.e. everything visible. A checkmark near a folder name indicates that the full folder content is marked. If folder has only some files/subfolders selected, the symbol becomes square (example - folder Logs below).

The counters located at the bottom show the total amount of data available (after masking), and how much from it is currently marked.

Secura Recovery for Windows	3.0.0003						- 0
SECURE RECOVERY	or indows						
Actions	 Hark false and felder years want to researce and clear the researcy characteristic for researce and clear the second secon	A the Reet bottom. Yes one None Hold, 200 and Hold, 200 an	y find I	those files by Site, Bytes 2,697,667 f 2,468,830 f 2,078,567 f 2,468,830 f 3,078,787 f 3,078,787 f 3,078,787 f 3,078,787 f 3,078,787 f 3,078,787 f 3,078,787 f 3,048,830 f 107,680 f	Created Created 2710/2013 (State Hank 2710/2013 (State Hank)	Ack Bot, Decilie: cick a 1 ModRed 12/11/2021 1-12/15/PM 12/11/2021 1-2/15/PM 12/11/2021 1-2/15/PM 12/11/2021 1-2/15/PM 12/11/2021 1-2/15/PM 12/11/2021 1-2/15/PM 12/11/2021 1-2/16/PM	Be to provise it and Accessed 12/12/22 15/15/00 12/12/22 15/15/00 12/12/22 15/15/00 12/12/22 15/15/00 12/12/22 15/15/00 12/12/22 15/15/00 12/12/22 15/15/00 12/12/22 15/15/00 12/12/22 15/15/00 12/12/22 15/15/00 12/12/22 15/15/00
Help (R)	Ready			Marked 57	4.92 MB in 186 Files in 3	6 Folders Total 2,78 GB	in 2252 files in 133 fold
C. Support Center	*						< gask (jest >

File marking can also be combined with File masking. Start with applying the file mask and hiding the unnecessary files/folders, and then use the marking for visible objects.

The second way to mark the specific files is to use **Find/Mark dialog**.

Apply the desired criteria first, then select Mark matched files option.

As a result, only the specified files will be marked.

SecureRecovery for MacOS allows the user to select a continuous range of files/folders on the right side of the window using the standard combination of SHIFT key and a mouse pointer.

After all necessary files are marked, click the Next button to start data extraction.

In Demo mode the ability to recover files may have limitations (i.e. the number and size of files that can be recovered). But the software can be registered with the valid license at this step by clicking on About link on the toolbar.

There's also an option to preserve the original folder structure, or restore all files into a single folder with no subfolders.

The Existing Files option allows selecting the software behavior in case of duplicated files: ask for confirmation every time, overwrite all duplicates, skip all, and rename all.



Please read the warning note (in red) carefully: restoring recovered data to the original media may destroy the files and should not be attempted. Always use another drive or flash device.

Clicking on the Recover > button starts the data extraction process.

It is possible to stop the extraction at any time by clicking the Stop button.

The pop-up dialog allows the user to abort the extraction process, skip the currently extracting file (continue after), and continue extraction.

If the extraction is finished or aborted, the summary will be displayed.

000	SecureRecovery for Mac				
	For MacOS				
Options 🛞	Recovery status:				
Scan options	16 files of 16 files were processed. Successfully recovered 16 files.				
Help					
Help ② About					
	Туре	Date	Time 🔥	Text	
	Recover	12/20/24	9:30 AM	Successfully recovered: 16 file.	
	Recover	12/20/24	9:30 AM	Elapsed: 15m 13s.	
				< Back	Finish

Please note that Log option on the toolbar can be switched on/off at any time during the data extraction to show the specific events, warnings, and errors, or hide them.

IV CONTACT INFORMATION AND TECHNICAL SUPPORT

SecureRecovery for MacOS Support	https://www.securedata.com/contact
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