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Guide how to protect your private data with Rohos Disk Encryption

www.rohos.com



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Rohos Disk Encryption - program creates hidden and protected partitions on the computer or USB flash drive. Those who have megabytes of sensitive files and seriously concerned with data security, can not imagine their computer or USB drive without the hidden partition that is created using this wonderful data encryption tool. Rohos Disk uses NIST approved AES encryption algorithm, 256 bit encryption key length. Encryption is automatic and on-the-fly. The installation requires administrative rights.

Encrypt USB drive

• After installation of Rohos Disk Encryption, insert your USB pen drive to the computer and run the Rohos Disk Encryption application.

ohoos	🕐 Updates 🤮 Support 🕜 Help
Disk is connected. Rohos Disk (R:) Size: 2.92 GB. Free space: 745 MB. Disconnect Browse Tools	
I want to Hide folder Hide and encrypt a particular folder from PC into Rohos Disk.	Options Setup disk auto start, disconnect hotkeys and other options.
Specify new password to access Rohos disk.	Setup USB Key Setup USB stick as a hardware key to access Rohos disk.
Encrypt USB drive	 Connect more Create another one Create Rohos Disk within media file

screen shot 1

- Click on "Encrypt USB drive"
- The program automatically determines the best Rohos disk options for your system. It will create a partition namely G: with 2000 Mb space. You can customize the partition size, disk letter and file system by clicking [**Change**...].



crypt US	B drive	-				<u> </u>
Create pro)tected parl	iition on you	ır USB flash d	rive.		
JSB devic	e G:∖ has be	een found	[Change]			
Encr • D • P • P	/pted partit isk size: 43 artition lette artition conl	ion properti 2 Megabyte er (disk): H: :ainer file: G	es will be: s ::_rohos\r o	disk1.rdi.	[Change]]
Specify pa	ssword to a	access disk:				
Confirm pa	assword:					
👿 Make	a shortcut	to the disk c	in your deskti	op		
		Cros	to dide		Concol	7

screen shot 2

		<u>ex</u>
Disk letter:	R:	•
Disk Size (in Megabytes):	218	
File system:	NTFS	•
Encruption algorithm:	AFCOFC	
Encippion algonanin.	AE5256	•
Encrypted data will be stored in E:_rohos\rdisk0.rdi	LES206	•
Encrypted data will be stored in E:_rohos\rdisk0.rdi Free space on the disk drive(s):	this container file: 436 MB	•

Remember Rohos Disk Encryption has no encrypted disk size limit. Thus you may change disk size in this window. Notice that Rohos Disk displays your flash drive's available free space. Also file system may be changed. By default, Rohos Disk Encryption creates disk in NTFS but it may be changed to FAT/FAT32.



 After all disk settings are adjusted you may insert a password to Rohos disk, confirm it and click on "Create disk".



screen shot 4

Performin	g operation		×
R	Please wait. Creating encrypted volume		
		Cancel	

screen shot 5

It should take a few seconds to create an encrypted volume on your USB device.



screen shot 6



Portable Application allows working with a password protected partition on any PC, you just click on "Rohos Mini" icon on the USB flash drive root folder



and enter disk password.

 Enter passwo	ord to acces	s Rohos disk	(٨a
Open Dis	<u>sk Browse</u>	<mark>r for this di</mark>	<u>sk</u>	
		Cancel	Options	~

Now your Rohos disk is accessible from Windows Explorer. And double-clicking on it you have access to your encrypted files to edit and save files, listen to music and look through your pictures.





After you finished working with your encrypted files you may disconnect Rohos disk using Rohos icon in the system tray.



Encrypt HDD

Using Rohos Disk Encryption you may encrypt your HDD.

• At right bottom of Rohos Disk main window click on "Create another one..."

ate new Ro	hos disk	
Creating encr has defined vi can change it.	ypted virtual drive. Rohos automat irtual drive configuration, however	cally you
ath: Docum	hos disk size 2000 Megabytes, disk nents\rdisk0.rdi .[Change]	(letter 1: , Disk container
5pecify pase	Disk details	
Confirm pas	Disk letter:	[<u>];</u>
🗖 Make a	Disk Size (in Megabytes):	2000
Setup U	File system:	NTFS 🔹
	Encryption algorithm:	AES256
earn more,	Encrypted data will be stored in t	his container file:
	C:\Users\Lyuda\Documents\rd	sk0.rdi
	Free space on the disk drive(s):	C: 6.72 GB, D: 1.72 GB, E: 20.1
	ub, n. 744 Mb,	
		OK Cancel

- You may change Rohos disk image path clicking on [**Change**...]. Rohos Disk displays the available free disk space on disk drives. You may change the disk drive by clicking on the button next to the field with Rohos Disk proposed disk drive. Other parameters may also be changed.
- Specify your Rohos disk password, confirm it and click on "Create disk" button

Hide Folder

With this feature your protected items can be quickly and easily rendered inaccessible to other users but are instantly accessible when you turn on your Rohos disk.

Security benefits with Hide Folder feature:

- Allows encrypting any regular folder on the computer.
- Password protect any Application folder, for example C:\Program Files\Firefox
- Encrypt and hide your Skype chat, received files, contacts, Skype password; Google Chome history, favorites, form data (credit card number), saved passwords.

How it works:

Turn on your Rohos disk -> click on "Hide folder" link in the program's main window

screen shot 11



screen shot 7

In the "**Hide folder**" dialogue window there are given predefined folders, e.g. My Documents, Google Chrome data, Skype, etc. You'll need to choose a folder that will be linked with your Rohos disk.

lide folder	X
Choose a folder that will be linked with Rohos Disk. This folder will be accessible only when Rohos Disk is on. During this operation all folder data will be moved into Rohos Disk.	
Select a predefined folder:	
Skype profile (chat logs, received file	is, etc) 🔻
Or specify a folder path manually:	
C:\Users\Lyuda\AppData\Roaming\Skype	
I OK II	Cancel I

screen shot 8

In our case we have chosen to encrypt/ password protect Skype profile. Then all you have to do is to click on "OK" button. From now on you folder will be encrypted and hidden, and accessible only after your Rohos disk is turned on.



Have USB Key for access control

You can use any USB flash drive or security tokens like Aladdin eToken to access your secured disk automatically without need to remember and enter password manually.

• In Rohos Disk main window click on "Setup USB Key"

You can setup US instead of a passy stored on the USE entered automatic	B key to access Rohos disk w word. The password will be s } key. The disk password will cally upon USB key insertion.	ith it ecurely be
You can choose th	ne type of USB key device to	use in Rohos:
USB flash di	rive	
USB device HAA be	echeep found [Tools]	
USB device H: \ ha Disk: Favorite disk Enter Rohos disk ;	as been found [Tools] <. [Specify] password:	
USB device H: \ ha Disk: Favorite disk Enter Rohos disk (as been found [Tools] k. [Specify] password:	
USB device H: \ ha Disk: Favorite disk Enter Rohos disk j	as been found [Tools] k. [Specify] password:	

- Insert password for Rohos disk access and
- Click on "Setup USB Key" button
- By clicking on drop-down window you may choose the type of device to use for Rohos disk access

Please, note that in case you have got several Rohos encrypted disks you may specify the one you would like to be accessed by USB Key (only one).

- Click on [Specify...] next to "Disk. Favorite disk"
- In Windows Explorer choose the appropriate Rohos disk image-file (rdisk.rdi) and click OK



Rohos disk options

You can set up Hotkeys to quickly disconnect encrypted disk and create a password to access Rohos main window.

Connect Rohos disk You will be prompted to will be USB Key for the	automatically on s enter disk password disk it be connected a	ystem start. on Windows start-up, automatically,	If there
🔽 Show Rohos icon near t	he clock.		
Hotkeys to disconnect You can quickly disconr	disk: hect (turn-off) encryp	ted disk by using hotke	eys:
Disconnect by Hot	Key: Change		
Disconnect by un-	plugging USB flash dri	ve:H:\	
🔲 Disconnect all whe	n user logs off.		
Connect by plugg	ging USB key		
Change Rohos language:	English	+	
📝 Write log files for troub	leshooting purposes		
Setup a password for R	ohos Center		

Screen shot 13

Steganography

Hide your sensitive files into a single AVI movie or media file such as MP3, OGG, WMA etc.
In Rohos Disk main window click on "Hide secure disk"

Screen shot 14



- Click on the link "Choose media file..."
- Specify Rohos disk password and click **Create disk** button

Other Rohos Disk features

By clicking on "**Tools**..." in Rohos Disk main window you may:

- 1. Enlarge your Rohos disk (one at a time)
- 2. Check Rohos disk for errors in case your Rohos disk doesn't get connected.
- 3. Delete disk easy as 1, 2, 3...
- 4. Change password of your Rohos disk
- 5. Create Password Reset file but remember to keep a secret where you have saved this file
- 6. Make a shortcut to the disk on your desktop creating disk shortcut just with one mouse click.

oh	S	Opdates	Support) Help
1	Disk is connected. Rohos D)isk (R:)		1
20	Size: 2.92 GB. Free space: 74	13 MB.		
C	Disconnect browse Tou	Enlarge		
Iw	ant to	Check disk Delete disk Change password		
CE	Hide folder	Create Password Reset	File	
6	Hide and encrypt a particular fold	ler	, disconnect hotke	ys and
	PC into Rohos Disk.	other options	0	
•••	Change password Specify new password to access disk.	Rohos Setup US Setup USB sti Rohos disk.	B Key ck as a hardware key to a	iccess
	Encrypt USB drive	 Connect r 	iore	
S	Create protected partition on you flash drive.	ur USB Create an Create Ro Restore R	other one hos Disk within media file ohos disk.	



Integrated File-Shredder

Any file or folder can be easily moved into Encrypted Rohos disk with shredding afterwards. This tool helps you to delete file reliably and be sure that nobody can recover it.

File-Shredder is integrated into Windows Explorer Send-To menu.

	Open		
	Edit		
	New		
	Print		
	MediaInfo		
	7-Zip	×.	
6	Scan with Microsoft Security Essentials		
	Open with	- M	
	Share with	E.	
	Restore previous versions		
	Send to	•	Compressed (zipped) folder
	Cut		Desktop (create shortcut)
	Сору		Documents
			Fax recipient
	Create shortcut	3	Mail recipient
	Delete		Rohos Disk
	Rename	R	Rohos File Shredder
W	Properties	3	Skype
		china da se	Floppy Disk Drive (A:)
		0	DVD RW Drive (F:)
		-	LEV (H:)

File-Shredder allows not only to delete unnecessary files but to move files into wanted place (for example into other directory, into outside hard drive or into USB drive) and to destroy information about deleted files.



Access your portable partition on a PC without Admin rights

On a computer without administrative rights Rohos Disk Browser will automatically be launched and you will be able to work with your encrypted partition, which is seen as Windows Explorer.

• • • •	• ③ • ④ • 🌶	
	Rohos	
	Enter your password:	
	••••••	***
	Rohos Disk container:	
	E:_rohos\rdisk.rdi	•

screen shot 17

You can run any application and work with your hidden volume as usual - open, copy, edit files, view images, ect..



screen shot 18



Rohos Disk Browser utility uses "on the fly" encryption principle, thus the program doesn't save files in temporary folder and doesn't leave unencrypted data on a PC or unprotected part of USB flash drive. When you open a file such as MS Word document, MS Word application will read and write changes to the file using Rohos Disk Browser. When you run the program, the *. exe will be decrypted and run in the program memory.

Virtual Keyboard will help you to protect your encrypted disk password from a key-logger.

	Enter password to access Rohos disk:	
yboard		
` 1 q w a Shift 2	234567890 - ertyuiop[] sdfghikl;' zxcvbnm,./St	= \ nift
View		

Screen shot 19

How to delete encrypted disk

 Insert USB flash drive with encrypted partition. Connect your hidden Rohos disk. In the main window Rohos Disk Encryption click on Tools → in the submenu choose Delete option.



screenshot 20

• Enter the password to obtain permit to delete the hidden partition. The disk is erased.

How to delete all Rohos files from you USB flash drive

To delete all files from your USB flash drive, previously you have to delete encrypted partition as stated above. This procedure is necessary because Rohos disk is protected by default with password.

● Open Encrypt USB flash drive menu→Press Delete button and confirm. Now all Rohos files even non evident and hidden are erased from your memory drive.



screenshot 21



Rohos Disk Encryption home page – <u>http://rohos.com/1/products/rohos-disk-encryption/</u> Rohos Mini Drive Portable page - <u>http://www.rohos.com/support/knowledge-base/rohos-disk-browser/</u>

Rohos Mini Drive Portable is a separate portable tool that allows creating and managing encrypted partition on USB flash drive. You can download it from - <u>http://www.rohos.com/rohos_mini.exe</u>

Type: Shareware