

Cededrive User Guide

Version 2.7







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www.cedesoft.com



Introduction

CedeDrive offers complete data security without changing the way you work. Whether we are aware of it or not, all our data is stored on drives, whether it is hard drives, external drives, flash drives, or network drives. One of the main concerns today is what happens to this data when a drive is lost or stolen.

CedeDrive eliminates this concern by providing a military strength encryption layer between your valuable data and the drive it is stored on. CedeDrive does not alter the way you work, and no additional steps are required to ensure your data is encrypted. One of the best features of CedeDrive is that you will forget it is there, while it silently secures your data as you work.

CedeDrive not only protects the data on your laptop or desktop, it will also secure the data on all of your portable storage devices with one click, turning them into encrypted drives. These include external hard drives, USB flash drives and even network drives.

Features

- Complete transparency

CedeDrive uses on-the-fly virtual drive technology. A virtual drive acts exactly like a normal drive such as your C:\ drive, except it is actually writing and reading from a protected file on any location you choose. CedeDrive uses AES 256-bit military grade encryption technology to secure your valuable data.

- Robust Security

Once secured by CedeDrive's powerful encryption standard, sensitive files and folders are stored safely on your laptop, desktop and all of your portable devices. Working on encrypted files is as easy as entering one single password, and all of your encrypted drives will be mounted automatically ready for you to use just as you would use any USB flash drive or external hard drive.

- One Click conversion of Flash Drives

Convert any Flash Drive or portable hard disk to an encrypted removable drive. CedeDrive will secure any standard Flash Drive with existing data, backup your data, and then convert the drive to an encrypted device. It will then restore your data on the encrypted drive. You can then use this removable drive on any windows computer without installing any additional software.

- Easy to use and deploy

There are no additional steps necessary to encrypt or decrypt your data. It's so easy you'll forget you have CedeDrive installed. Only one password is necessary to mount all of your encrypted drives. CedeDrive also installs in seconds and can be deployed easily across a large network.

Further technical support is available from techsupport@cedesoft.com.



Compatibility

CedeDrive is compatible with all supported Microsoft operating systems. This includes Windows XP (SP2 or later), Windows Server 2003, Windows Vista, Windows 7, Windows Server 2008. 32-bit and 64-bit operating systems are both supported.

Installing CedeDrive

The CedeDrive installation file is provided in a single setup file. The Setup program will automatically determine whether to install the 32-bit version or the 64-bit version of CedeDrive depending on your current operating system.

1) Double click the setup file to begin the installation process, and click **Yes** to the User Account Control prompt.



2) Click Next to proceed to the license agreement.





Please read the license agreement provided. Click I accept the terms in the License Agreement to continue and click Next to accept the license agreement.

CedeDrive 2.7.12 (64-bit) Setup				
End-User License Agreement Please read the following license agreement carefully				
End User Licence Agreement				
PLEASE READ THIS CAREFULLY BEFORE USING MATERIALS				
A: PROPERTY OF LICENSOR				
YOU MAY OBTAIN A COPY OF THIS SOFTWARE PRODUCT EITHER BY DOWNLOADING IT REMOTELY FROM OUR SERVER OR BY COPYING IT FROM AN AUTHORISED CD-ROM, STORAGE DEVICE OR OTHER MEDIA				
✓ I accept the terms in the License Agreement				
Print Back Next Cancel				

Choose the installation type that best suits your requirements. **Typical** is the recommended installation.

B CedeDrive 2.7.12 (64-bit) Setup
Choose Setup Type Choose the setup type that best suits your needs
Typical Installs the most common program features. Recommended for most users.
Custom Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users.
Complete All program features will be installed. Requires the most disk space.
Back Next Cancel



Click **Install** to begin the installation process. By default, CedeDrive will install to your Program Files directory on your hard drive.

😸 CedeDrive 2.7.12 (64-bit) Setup	
Ready to install CedeDrive 2.7.12 (64-bit)	1
Click Install to begin the installation. Click Back to review or change any of yo installation settings. Click Cancel to exit the wizard.	bur
Back Install	Cancel

CedeDrive will install shortcuts by default. These shortcuts will appear on your desktop in addition to your Start Menu in a folder named **CedeDrive.**



岩 CedeDrive 2.7.12 (64-bit) Setup	
Installing CedeDrive 2.7.12 (64-bit)	
Please wait while the Setup Wizard installs CedeDrive 2.7.12 (64-bit).	
Status:	
Back Next	Cancel

Running CedeDrive for the first time

Once CedeDrive has been installed on your computer, you will have a CedeDrive icon on your desktop. Double Click this icon to run CedeDrive for the first time.



When CedeDrive runs for the first time you will be required to set up a password. This password must then be entered whenever you run CedeDrive in order to mount your encrypted virtual drives. Enter a password in this dialog twice and click **Ok** to complete the first run setup. Once CedeDrive has been setup with a password you will have an additional icon in your system tray.





You can Double Click this icon to access the CedeDrive console. However if this is the first time you are running CedeDrive you will be presented with the Getting started window:



The CedeDrive Getting Started window

Creating an encrypted drive

To begin creating encrypted virtual drives, click the button.

Create an Encrypted Drive...

The following dialog will be displayed:



Create a new encrypted virtual drive
Encrypted Drive Name
Danny's Secure Data (1)
Encrypted Drive Description
This is an encrypted drive containing my secure data.
Create a recovery key just incase I forget my password
C:\Users\Public\Documents\DannvEncryptedDisk1.evd Browse
Disk Size Drive Letter
100 MB E: 👻 Mount at startup
Ok Cancel

CedeDrive will automatically fill in the required information in this dialog, however if you wish to change any of the properties you can do so in this dialog. To accept the default values and create the encrypted drive, click **Ok**.

Encrypted Drive Name

This is the name of your new encrypted drive. E.g. this might be "Work" or "My Personal Data". The purpose of the encrypted drive name is to help you to distinguish multiple virtual drives in the list if you have created more than one.

Encrypted Drive Description

You can enter a description of your virtual drive here which might describe the data that it contains. This is helpful if multiple virtual drives are created on the computer.

Encrypted Drive File

Click **Browse** to choose a location to store the encrypted drive file. When your encrypted drive has been mounted, all of the data stored on the drive will be encrypted and written to this file. It is important to choose a location on your computer where you have full write access. CedeDrive will automatically place your new encrypted drive under your Documents folder, and will automatically number the files.



Disk Size

Specify the size **in Megabytes (MB)** of the encrypted virtual drive. To create a drive of 2GB in size, enter 2000. To create a drive of 500GB enter 500000. There are 1024 megabytes in 1 gigabyte. It is important to ensure you have enough disk space on your computer in the target location before continuing. CedeDrive will default to a value of 100MB.

Drive Letter

When your virtual drive is mounted it will appear as any other hard drive on your computer. You can choose the drive letter which will always be assigned to this virtual drive. CedeDrive will automatically pick an appropriate drive letter, however if you wish to choose another drive letter you can click the Drop Down list to view available drive letters you can use.

Mount on start-up

If you would like this virtual drive to be mounted automatically every time CedeDrive starts, then ensure this box is checked. If not, leave this box unchecked and you can mount this drive manually by using the CedeDrive console.

Create a recovery key just in case I forget my password

If you would like the ability to recover the password you used to create your encrypted drives, then ensure this option is ticked. If you have chosen to create a recovery key you will be prompted to save this recovery key. NOTE: It is strongly recommended to store your recovery key separate from the computer on which you have CedeDrive installed, and to absolutely not disclose this key. Recovery keys are created using RSA 4096 bit Certified Encryption.

Once you are happy with all of the virtual drive details, click **Ok**. The virtual drive will then be created, and a progress bar will be displayed indicating the progress of the virtual drive creation.

I Progress	- • •
Creating encrypted virtual drive, 22 % complete (written chunk 57 of 250)	

NOTE: The amount of time this takes depends on the size of the virtual drive you have created. E.g a virtual drive size of 250MB may take several seconds to create, whereas a virtual drive size of 80GB may take several minutes to create.

If you have chosen to create a recovery key for your encrypted drive, you will be prompted to save this recovery key. We recommend using a Flash Drive,



and storing the Flash Drive in a physically secure location, as this recovery key will enable recovery of your password.

Recovery k	ey information
i	You will now be asked to save your recovery key for this drive. This recovery key will be needed if you forget your password for your encrypted drives.
	IMPORTANT: It is vital you store this key on a removable drive or flash drive which is not physically located with this computer. If this computer is a laptop computer, it is recommended that you save this recovery key on a flash drive and ensure you DO NOT keep it with your laptop. This recovery key must be stored in a safe location.
	ОК

Once the virtual drive has been created, you will be presented with the following dialog:



Using your new encrypted drive

Once you have created your new encrypted drive, you will have a new icon in the CedeDrive console with the name of your new drive. Your new encrypted drive will automatically be formatted and ready for you to use immediately. Once your encrypted drive has been created, CedeDrive will display the drive using Windows Explorer, as shown below:



Computer > Danny's_Secure_Data_(1) (E:)	✓ 4y Search Danny's_Secure_Data_(1) (E:)
Organize Include in library Share with New fold	er 📰 🕶 🗍 🔞
 ★ Favorites ▲ Desktop ▲ Downloads ▲ Recent Places ■ Couments ▲ Music ■ Pictures ▲ Videos ▲ Homegroup 	Date modified Type Size 10/2/2010 3:28 PM Text Document
Computer Local Disk (C:) I item	4 III

You will notice a Readme.txt file on your new Encrypted Drive which contains a brief description of your new encrypted drive.

CedeDrive v2.7.12 (Trial)	
File Tools Help	:
CedeDrive Your encrypted drives are listed here. You can mount, unmount, and add new encrypted drives. All encrypted drives use AES-256 bit military grade encryption technology.	Danny's Secure Data (1)
	Drive Name: Danny's Secure Data Disk Size: 100 MB Drive Letter: E: Description: This is an encrypted drive containing my secure data. File path: C:\Users\Public\Documents\DannyEncryptedDisk1.evd

To manage your encrypted drives, you can use the console window:

In this example, we have created a new drive named "Danny's Secure Data". To manage this drive, right click on the drive icon in the console window and



you will have the option to Mount, Unmount, Delete the drive or Create a new drive. By Default, CedeDrive will mount new encrypted drives for you automatically.



If you choose to mount the drive, you will see the following dialog.





All Encrypted Drives can be shown by clicking **Start -> My Computer**.



New encrypted drive ready for use

As shown above, Windows will display your new encrypted virtual drive just like any other hard disk in your computer. The only difference is, under the hood all of the read and write requests are being encrypted and stored in the **EncryptedDisk.evd** file you specified when creating your new virtual drive.

Unmounting encrypted drives

There are two ways to unmount virtual drives when you no longer wish to use them. You can either use the console window and unmount the drive by right clicking on the drive icon and selecting **Unmount drive**...





Once the drive has been unmounted, you will see the following dialog:

Drive unmounted	×
Encrypted Drive 'Danny's Secure Data (1)' (E:) wa	is unmounted.
	ок

The alternative way, and possibly the quickest way to unmount an encrypted drive is to right click on the disconting is the system tray and select **Unmount All Drives.**



	Encrypted Drive Manager Mount All Drives Unmount All Drives Exit			
CL	ustomize			
	- 🗟 🖢	())	1:26 PM 1/17/2010	1

One Click Conversion of Flash Drives / Removable Drives

One of the unique features of CedeDrive is to convert any standard Flash Drive with existing data to a fully encrypted drive so that you can use it in any other windows computer without having to install additional software. The converted drive functions **exactly** like a hardware encrypted flash drive. The advantage with CedeDrive is that you can also convert removable hard disks of any size to encrypted devices.

To begin, first plug your Flash Drive into your Computer's USB port, and ensure you can access the Flash Drive. The best way to check this is to click **Start->My Computer**, and ensure you can see your Flash Drive:





In this example, drive H: is the flash drive which will be converted to an encrypted drive. If we open this drive we can see that there are some images and documents already on the flash drive.

					X
Com Com	put	er 🕨 Removable Disk (H:) 🕨	✓ ⁴ → Search Ren	novable Disk (H:)	Q
Organize 🔻 Share	wit	h ▼ Burn New folder		:≕ ▼ □	0
〕 Downloads	*	Name	Date modified	Туре	Size
🔛 Recent Places		Cars	31/03/2010 21:23	File folder	
_	h	GameResearch	31/03/2010 21:24	File folder	
🕞 Libraries		Interesting Suggestions	31/03/2010 21:24	File folder	
Documents		InterimReportAppendices	31/03/2010 21:24	File folder	
Music Distance		퉬 NewNetGameCode	31/03/2010 21:24	File folder	
Videos		퉬 Online Handouts	31/03/2010 21:24	File folder	
indeos		퉬 RedesignedCode	31/03/2010 21:24	File folder	
A Homogroup	Ξ	퉬 Sample Pictures	31/03/2010 21:22	File folder	
Nonegroup		👜 FinalReport.doc	15/04/2002 13:04	Microsoft Office	76
Computer		Interim Progress Report.doc	13/11/2001 19:41	Microsoft Office	5
Local Disk (C:)		OldDesignClassDiagram.doc	11/03/2002 12:57	Microsoft Office	З
Data (D:)		ProjectAbstract.doc	09/04/2002 13:30	Microsoft Office	2
SHARED (E:)		ProjectTitlePage.doc	09/04/2002 13:28	Microsoft Office	1
Removable Disk		ProjectWebReferences.doc	23/03/2002 19:12	Microsoft Office	Е
👝 Local Disk (P:)		🖭 QuadrantKouting lable.doc	18/11/2001 14:56	Microsoft Office	2
📬 Network	Ŧ	•	III		F.
15 items					

Flash Drive with existing data ready to be encrypted

Once you've confirmed the Flash drive is accessible, open the CedeDrive Console window by double clicking the discontinuation in your system tray.

To start the one-click conversion process, click **File->Encrypt Removable Storage:**



CedeDrive v2.7.12 (Trial)	
File Tools Help	
Enter license key	0
Deactivate license	
Recover forgotten password	ny's e Da
Encrypt Removable Storage	c bum
Add Existing Drive	
New Encrypted Drive	
Exit	
	Drive Name: Danny's Secure Data Disk Size: 100 MB Drive Letter: E: Description: This is an encrypted drive containing my secure data.
	File path: C:\Users\Public\Documents\DannyEncryptedDisk1.evd

You will then be presented with the Convert Removable Storage Dialog. CedeDrive will automatically try to detect your Flash Drive, however if you have more than one Flash drive connected to your computer you can select the drive you wish to convert from the drop down list.

Convert Removable Storage	
Encrypt Removable Storage Convert any removable storage device into an encrypted storage device	Before we begin Before encrypting your removable storage, some information is required from you Select the drive to encrypt The Create a password for this drive
	Confirm password
	Encrypt



In this example we will be converting drive H:\. You will be required to enter a password for your removable drive. This password will be required whenever you wish to use your encrypted flash drive in any computer.

You can also create a recovery key much like with standard encrypted drives, just in case you forget your password. If this option is selected you will be asked to save the recovery key. It is important to save this recovery key in a location that will not be physically located with your Encrypted Flash Drive, as this will enable recovery of your password.

Once you have entered a password, and selected the correct drive you wish to convert, click **Encrypt.** This will begin the conversion of your Flash Drive to an Encrypted device.

Convert Removable Storage	
Encrypt Removable Storage Convert any removable storage device into an encrypted storage device	Encrypting your removable storage That's all the information we need from you. Your removable storage is being converted into an encrypted device.
	 Backing up your files (100 %) Formatting removable storage Creating encrypted drive (19 %) Restoring your files Completing conversion
	Спотур

The conversion process consists of 5 stages as shown below.

All of the data on your Flash Drive will automatically be backed up. Once the backup process has completed successfully, the Flash Drive will then be formatted and converted to an NTFS drive.

The encrypted drive will then be created, and verified using the password you specified. Once the verification of your encrypted drive is complete, CedeDrive will restore all of your data to the encrypted drive.



The process is then completed by creating a CedeDrive Launcher application which enables you to use your newly converted encrypted Flash Drive on any Windows computer.

Once the process has completed you will receive the following message:



The following dialog will also be displayed indicating a successful conversion of your Flash Drive to an encrypted drive.



Click **Finish** to exit the conversion dialog.

Your Flash Drive has now have been converted to an encrypted device. To see the changes made to your Flash Drive, click **Start->My Computer.**



Com Com	outer ▶	rch Computer
Organize	Properties System properties »	
 ★ Favorites ■ Desktop Downloads Secent Places ⇒ Libraries ⇒ Documents → Music ■ Pictures ■ Videos 	 Hard Disk Drives (5) Local Disk (C:) 246 GB free of 409 GB SHARED (E:) 3.18 GB free of 5.98 GB Local Disk (P:) 86.2 MB free of 99.9 MB Devices with Removable Storage (2) 	Data (D:) 61.4 GB free of 465 GB Local Disk (G:) 86.2 MB free of 99.9 MB
 Homegroup Computer Local Disk (C:) Data (D:) 	DVD RW Drive (F:)	Removable Disk (H:) 7.55 MB free of 245 MB
Removable Removable	P Disk (H:) Space used: Total size: 24 Disk Space free: 7.55 MB File system: N	5 MB TFS

You will notice that your Flash Drive will appear completely full, without any free disk space. This is perfectly normal because CedeDrive has also encrypted the free space on your Flash Drive. This means that any new files added to your flash drive from now on, will be encrypted.

If you now open your Flash Drive from Windows Explorer, you will notice just two files, as shown below:

			x
😋 🗢 🗢 🖕 Com.	🕨 Removable Disk 👻 🍫	Search Removable Disk (H:)	Q
Organize 👻 Share	with 🔻 Burn New folder		0
 Downloads Recent Places Libraries Documents Music Pictures Videos 	Name EncryptedDisk.evd CedeDriveLaunch.exe	Date modified 31/03/2010 21:46 31/03/2010 21:46	Type EVD Fil Applic
Homegroup Computer Local Disk (C:) Data (D:) SHARED (E:) 2 items	▼ 4		•



All of your data and free space is now contained within the Encrypted File **EncryptedDisk.evd.** Also, a portable version of CedeDrive has been created. This portable version will allow you to mount the encrypted drive for use in any Windows computer.

To start using your Encrypted Flash Drive, double click **CedeDriveLaunch.exe**.

Once you have launched **CedeDriveLaunch.exe** you will be prompted for your Encrypted Drive Password, as shown below:

Password	
Enter Cededrive Passw	/ord
Enter your password to mount	your encrypted drives
Local\Removal	ole Drive
Encrypted drive	s: Removable Drive
	Ok Cancel

Enter the password you chose when converting the Flash Drive. Once you have entered the password, click **Ok** or press **Enter**.

Your Encrypted Flash Drive will then be mounted. To view your Encrypted Flash Drive, click **Start->My Computer.**





You will notice an additional drive named **Encrypted Memory Stick.** You will also notice that this encrypted memory stick has the same amount of free disk space as your Flash Drive previously had before it was converted. CedeDrive will automatically choose and assign a drive letter based on the available drive letters on your computer.

If you open the **Encrypted Memory Stick** drive, you will notice all of your data is now contained within this encrypted drive.



😋 🗢 🗢 🕞 Com 🕨	Encrypted Memory Sti 🕨 👻 🍫	Search Encrypted Memory	Stick (l:)
Organize 🔻 Include in	n library 🔻 Share with 💌 Burn	New folder	• 🔟 🔞
Documents 🔺	Name	Date modified	Туре
J Music	🐌 Cars	31/03/2010 21:46	File folder
Pictures	🌗 GameResearch	31/03/2010 21:46	File folder
Videos	퉬 Interesting Suggestions	31/03/2010 21:46	File folder
A Homegroup	InterimReportAppendices	31/03/2010 21:46	File folder
- Tomegroup	퉬 NewNetGameCode	31/03/2010 21:46	File folder
💶 Computer	Online Handouts	31/03/2010 21:46	File folder
Local Disk (C:)	le RedesignedCode	31/03/2010 21:46	File folder
Data (D:)	Sample Pictures	31/03/2010 21:46	File folder
G SHARED (E:)	FinalReport.doc	15/04/2002 13:04	Microsoft Offic
Local Disk (G:)	Interim Progress Report.doc	13/11/2001 19:41	Microsoft Offic
👝 Removable Disk I	OldDesignClassDiagram.doc	11/03/2002 12:57	Microsoft Offic
👝 Encrypted Memc	ProjectAbstract.doc	09/04/2002 13:30	Microsoft Offic
👝 Local Disk (P:)	Project Interage.doc	22/02/2002 12:20	Microsoft Offic
	OuadrantRoutingTable doc	18/11/2001 14:56	Microsoft Offic
🗣 Network		10/11/2001 14.50	Microsoft Offic
.	•		۲.
15 items			

You can now start using the **Encrypted Memory Stick** drive as you would any normal drive. All of the data will be encrypted and stored on your Flash Drive.

Unplugging Converted Flash Drives

If you have finished using your Encrypted Flash Drive, and wish to disconnect it from your computer, it is strongly recommended to unmount the encrypted

drive before disconnecting your flash drive. To do this right click the disconnecting your system tray and click **Unmount All Drives.** You can then **Exit** CedeDrive, allowing you to disconnect your flash drive from your computer.



Licensing CedeDrive

CedeDrive initially ships as a feature limited trial version allowing you to mount 1 drive of 100MB for trial purposes.

Once you have purchased the full version of CedeDrive you will be sent a License Key contains many numbers and letters.

To apply this license key to your installation of CedeDrive, open the

CedeDrive Console Window by double clicking the disconsistent tray.

Once the console window is opened, click File->Enter license key...



You will then be prompted to paste your license key into the following dialog:

🛹 License Key	
License your CedeDrive installation	
Please enter / paste your license key here]
	Cancel Ok



Your license key will then be verified online by our CedeSoft activation servers, and when successful your installation of CedeDrive will be fully licensed.

Recovering forgotten passwords

CedeDrive allows you to recover forgotten passwords provided you have created a recovery key when you created your encrypted drive.

Once you have located your recovery key, open the CedeDrive Console Window by double clicking the disconting in your system tray.

Once the console window is visible, click File->Recover forgotten password



You will then be prompted with the following dialog:





Click **Ok**, and you will be prompted for the location of the Encrypted Drive file you wish to recover as shown below:

🧈 Open				x
Coover 🗈 🕨 Libra	ries 🕨	Documents +	✓ 4 Searci	n Documents 🔎
Organize 🔻 New	folder			:= - 1 0
☆ Favorites ■ Desktop		Documents library Includes: 2 locations		Arrange by: Folder 🔻
Downloads		Name	Date modified	Type Size
Kecent Places	=	\mu AMT	14/03/2010 19:00	File folder
🔚 Libraries		🐌 Downloads	31/03/2010 19:54	File folder
Documents		퉬 Egosoft	21/03/2010 19:53	File folder
A Music	<i>.</i>	퉬 microsoft	28/12/2009 16:10	File folder
Pictures		퉬 My Received Files	29/03/2010 21:03	File folder
Videos		퉬 Visual Studio 2005	26/03/2010 19:19	File folder
BL28 11-1-1		DannyEncryptedDisk1.evd	31/03/2010 22:11	EVD File 10
輚 Homegroup				
🖳 Computer			III	•
F	ile <u>n</u> am	e: DannyEncryptedDisk1.evd	- Encryp	ted Virtual Disks (*.evd) 🔻
			Оре	en 🔻 Cancel

Locate the encrypted EVD file you wish to recover, and then click **Open.** You will then be prompted with the following message:



Click **Ok**, and you will be prompted for the location of your recovery key for this drive, as shown...



🧈 Open					x
G ⊂ ⊂ ► Computer ► SHARED (E:) ►		✓ ⁴ → Search	SHARED (E:)	Q	
Organize 🔻 New	folder			:≕ ▼ 🔳	0
Videos	*	Name	Date modified	Туре	Size
Homogroup]. Spotlight-V100	05/08/2009 09:39	File folder	
Ronegroup		.TemporaryItems	05/08/2009 19:38	File folder	
Computer		🐌 .Trashes	05/08/2009 09:39	File folder	
I → Computer		퉬 Data	31/03/2010 22:25	File folder	
Data (D:)		Danny's Secure Data-recoverykey.dat	31/03/2010 21:04	DAT File	
SHARED (E:)					
Local Disk (G:)					
Local Disk (P:)	=				
👝 Local Disk (R:)	-				
🗣 Network					
			111		•
Fi	ile <u>n</u> am	e: Danny's Secure Data-recoverykey.dat	- Recover	ry Key Files (*.dat)	-
			Оре	n 🔽 Cancel	

...CedeDrive prompting for your recovery key

Locate the recovery key you initially saved when creating this drive and click **Open.** You will then be shown the recovered password as shown below:

Your Recov	vered Password	3
0	Recovery of your password was successful. Your password for this encrypted drive is displayed below. password	
	ОК	



Securely moving files to your Encrypted Drives

CedeDrive ensures that all data that is saved to an Encrypted Drive is securely encrypted. However when you have initially set up your encrypted drives and would like to move your data, you can do this using Windows Explorer and the files will be copied as they would be for any standard drive.

However using Windows Explorer to move your files and folders will still make it possible to recover your original data using any third party recovery tool as Windows does not permanently erase the data from your hard disk when deleting or moving files.

For this reason, CedeDrive provides a **Secure Move** feature. This feature will copy selected files and folders you choose to your Encrypted Drives (or any other drive), but it will ensure that the original data is permanently erased from the source hard disk. CedeDrive contains a built-in File Shredder which uses the Department of Defense standard DOD 5220.22-M to permanently and securely erase the source data from your hard disk. Therefore any attempt to recover the source data will be made impossible.



To access the Secure Move feature, click **Tools->Secure Move** from the CedeDrive console window.





This will launch the Secure Move file manager...

To begin securely moving files to your Encrypted Drive, first use the Drive Selection Drop Down list on the right hand side to navigate to your Encrypted Drive.



Once you have selected your Target Drive, you can then select multiple files and folders from the left hand side to specify the files and folders you wish to move securely.



CedeDrive Secure Move Move files and folders Image: Construct of the secure move Image: Construct of the secure move Image: Construct of the secure move File Size Image: Distribution of the secure move 0.00 KB Image: Construct of the secure move 0.56 KB Image: Construct of the secure move 0.54 KB	
Image: State of the	to t
C:\Temp\Destfolder\project File Name File Size pictures 0.00 KB CombinedProj.cshlp 0.56 KB CsHelp.cshlp 0.54 KB	
File NameFile Sizepictures0.00 KBCombinedProj.cshlp0.56 KBCsHelp.cshlp0.54 KB	
Dictures 0.00 KB CombinedProj.cshlp 0.56 KB CsHelp.cshlp 0.54 KB	
CombinedProj.cshlp 0.56 KB CsHelp.cshlp 0.54 KB	
CsHelp.cshlp 0.54 KB	
CsHelp.rtf 19.91 KB	
Custom.xml 0.72 KB	
readme.txt 0.56 KB	
Shapes.rtf 10.00 KB	
ShapesProj.cshlp 0.54 KB	

Once you have specified the source files, click the button in the centre of the window to begin the secure moving of your files and folders.

A window will appear indicating that a secure move is now in progress.

🧈 Secure Move In Progress		
Secure move is in progress		
After your files have been copied, they will be permanently shredded using DOD standards for secure file deletion.		

The progress of the secure move will also be shown at the bottom of the window.



Redirecting Windows folders to Encrypted Drives

CedeDrive allows you to safely redirect any of your standard Windows folders to an encrypted drive you have created with CedeDrive. These folders include My Documents, My Pictures, My Music and My Video.

Once a folder has been redirected to an encrypted drive, all windows applications that use My Documents as a default saving location will instead be redirected to your encrypted drive. Clicking Start->My Documents within Windows will also open your encrypted drive.

This feature is very useful if you regularly access your documents and pictures using Windows shortcuts and office applications that open and save documents directly to these locations.

To enable this feature, open the CedeDrive console window by double clicking on the $\stackrel{d}{=}$ in the system tray.



You can then right click on any of your drives in the console window and click **Set as My Documents, Set as My Pictures** etc.

Once you have enabled this feature you will need to restart your computer for the changes to take effect.

To disable this feature click **Undo all Folder redirections.** This will set all of your Windows folders back to Microsoft defaults.



Standby / Hibernation protection

CedeDrive is also designed to protect your encrypted data when your computer is put into Standby or Hibernation. When your computer is put into Standby or Hibernation, all of your encrypted drives will automatically be unmounted to protect your data. When your computer is resumed from Standby or Hibernation you will be presented with a secure password screen as shown below:



You will be required to enter your CedeDrive password here to regain control of your computer. This secure password screen is designed to protect Laptop computers should they be compromised whilst they are in a hibernated state or in standby.

Any unauthorised person attempting to gain access to your computer whilst it is in standby will be forced to restart your computer as they will not know the password. Your encrypted data and any applications you had open at the time (and the data contained) will not be disclosed to the unauthorised person, and your data will remain encrypted once the unauthorised person has restarted your computer.

Adding existing encrypted drives

CedeDrive allows you to add any previously encrypted drives you may have created perhaps on another computer, or if your computer has had a hard drive failure and you have had to re-install the operating system. In this scenario, you will require the EVD files and you will be able to add these drives so you can access the data contained in the EVD files.

IMPORTANT: When adding existing EVD files back into CedeDrive it is very important that the password used to setup CedeDrive is the same password that was used to create the EVD files you are adding. If the passwords do not match then Windows will not recognise the drive and will believe it is a new drive that needs to be formatted.

To add an existing drive, right click on the CedeDrive console window and click **Add Existing Drive**.

CedeDrive v2.7.12 (Trial)	
File Tools Help	
CedeDrive Your encrypted drives are listed here. You can mount, unmount, and add new encrypted drives. All encrypted drives use AES-256 bit military grade encryption technology.	Securation New Encrypted Drive Add Existing Drive Delete Encrypted Drive Explore Mount Drive Unmount Drive Set as My Documents Set as My Music Set as My Pictures Set as My Video
	Drive Name: Danny's Secure Data Disk Size: 100 MB Drive Letter: E: Description: This is an encrypted drive containing my secure data. File path: C:\Users\Public\Documents\DannyEncryptedDisk1.evd

You will then be prompted to locate the EVD file you wish to add back into CedeDrive. Once you have located this file you will be able to mount it normally just like a newly created drive.

Resetting CedeDrive configuration

It may be necessary to reset the CedeDrive configuration under the following circumstances:

- You wish to setup CedeDrive for a different user.
- You wish to change the CedeDrive password used to create and mount existing drives.
- You wish to restore CedeDrive back to manufacturer defaults.

The CedeDrive configuration stores details of the drives that are added to the CedeDrive console. Resetting the CedeDrive configuration does not modify or delete any EVD files associated with the encrypted drives, it is purely configuration data that is affected. Once you have reset the CedeDrive configuration you will have to add your EVD files back into CedeDrive as described in the previous section.

To reset the CedeDrive configuration, click **Tools->Reset CedeDrive Configuration.**

Once the configuration has been reset you will be required to exit CedeDrive and relaunch the application. You will then be required to set up a new password.

Converting Removable Drives using Windows XP

IMPORTANT: Once you have converted a removable drive using Windows XP, and then wish to use that removable drive in Windows Vista or Windows 7 the removable drive will by default have Read only permissions on the encrypted drive.

This is due to the enhanced security provided by Windows Vista & Windows 7. In order to make changes to a removable encrypted drive in Windows Vista/7 that has been converted in Windows XP, you must make the following permission changes.

Mount the Removable Encrypted Drive by running the CedeDriveLaunch.exe application

Once the drive has mounted, right click on the Encrypted Drive from Windows Explorer, and click **Properties.**

The following dialog will appear...

4	-> Danny's_Secure_Data_(1) (E:) Properties					
ſ	ReadyBoost Previo General Tools	us Versions Hardware	Quota Sharing	Customize Security		
	Danny's_Secure_Data_(1)					
	Type: Local Disk File system: NTFS	:				
	Used space:	14,401,536	bytes 13	.7 MB		
	Free space:	90,451,968	bytes 86	.2 MB		
	Capacity:	104,853,504	bytes 99	.9 MB		
		Drive E:	D	isk Cleanup		
	 Compress this drive to save disk space Allow files on this drive to have contents indexed in addition to file properties 					
		ОК	Cancel	Apply		

Click on the **Security** tab.

🥪 Danny's_Se	cure_Data_	(1) (E:) Proper	ties	×	
ReadyBoost	Previo	ous Versions	Quota	Customize	
General	lools	Hardware	Sharing	Security	
Object name	Object name: E:\				
Group or use	er names:				
& Authen	ticated Users	;			
SYSTE	М				
Adminis	trators (WIN	-70G04MF5AJ8	VAdministrator	s)	
Users (WIN-70G041	MF5AJ8\Users)			
To change p	ermissions, o	click Edit.		🔁 Edit	
Permission	for Users		Allow	Deny	
Full contro	bl			*	
Modify					
Read & ex	ecute		~	=	
List folder	contents		\checkmark		
Read			\checkmark		
Write				-	
For special p click Advance	ermissions of ced.	r advanced setti	ings, A	dvanced	
Leam about	access cont	rol and permission	ons		
		ок	Cancel	Apply	

Click on **Users** under Groups or user names, then click the **Edit** button.

Permissions for Danny's_Secur	re_Data_(1) (E:)	×	
Security			
Object name: E:\			
Group or user names:			
& Authenticated Users			
SYSTEM			
Users (WIN-70G04MF5AJ8	Administrators (WIN-70G04MF5AJ8\Administrators)		
	Add	Remove	
Permissions for Users	Allow	Deny	
Full control			
Modify	V		
Read & execute	\checkmark		
List folder contents	\checkmark		
Read	v	-	
Learn about access control and permissions			
ОК	Cancel	Apply	

Click on **Users** in the list, and then ensure that Full control, Modify, Read & Execute, list folder contents and Read are all checked in the Permissions for Users section.

Once that is completed, click **Apply**, and then click **Apply** and then **Ok** to each of the previous dialogs.

If you have converted a removable drive using Windows Vista or Windows 7 then this step is unnecessary, and the removable drive will operate normally in Windows XP.

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