

How to recover deleted data or Secure format

You accidentally deleted a file on your computer and realized you needed it, you want to recover the deleted files back. Causes a lot, accidentally, being naughty children ..

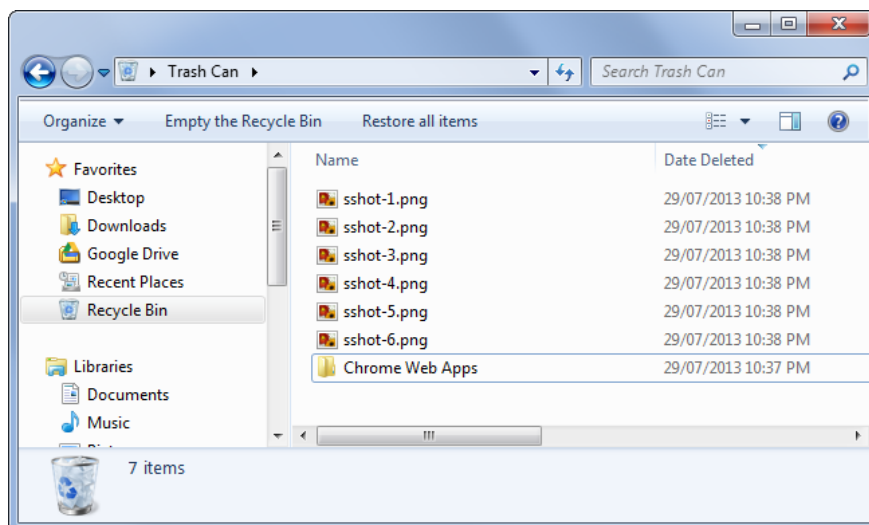
This is a problem that can happen to anyone. You **accidentally deleted a file** on your computer and realized you needed it, you want to recover the deleted files back. The cause can be many, accidentally, accidentally deleted, others deleted, or formatted by a drive .

There are many tools to recover deleted data on your computer, you can find a heap, but not every use is regained. There are things you need to keep in mind as soon as the important files have been deleted. Include everything you need to know if you want to **recover deleted files** successfully.

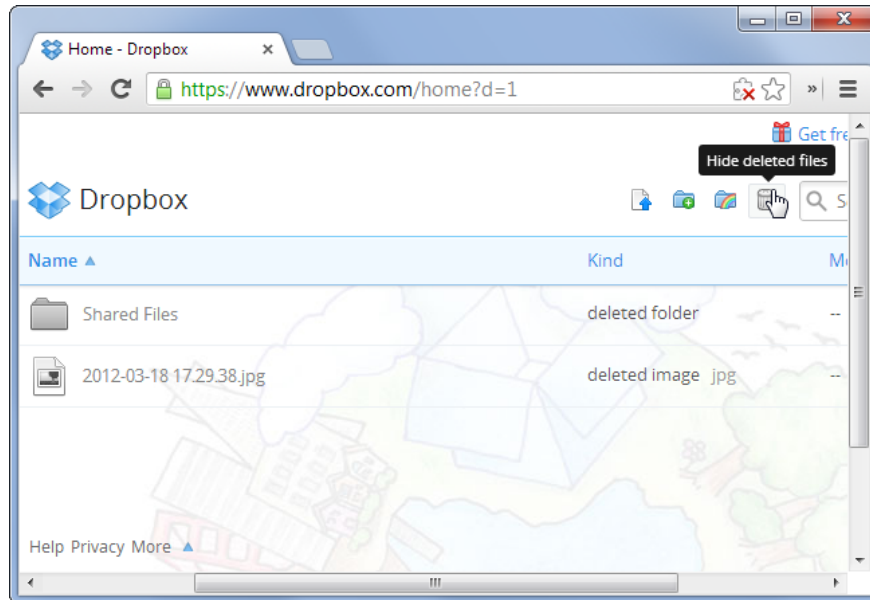
Check that the file was actually deleted?

If you are not sure you have **permanently deleted (Shift + Delete)** a file. In Windows, **open Recycle Bin** and search for files. You can search the Recycle Bin using the search box in the upper right corner of the window, which can help if you have a lot of files in your Recycle Bin. You can also right-click on the window, sort destinations, and select dates to view deleted files that have recently been deleted.

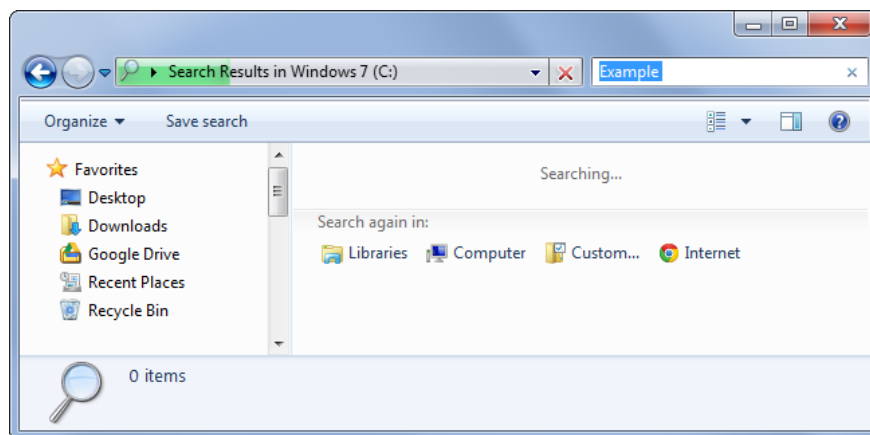
Note that programs like CCleaner wipe your Recycle Bin when you run them, so having CCleaner or a similar program automatically running in the background may prevent you from recovering files from the Recycle Bin.



If the files have been stored in a cloud storage service like Dropbox, Google Drive, or SkyDrive, be sure to log in to your account on the service website and check if your trash - You can find the files still. This is the cloud storage version of Recycle Bin.



If you are **not sure** you **have deleted the file** , perform a **search** for it using the search box in Windows Explorer or File Explorer window. Hopefully the file has accidentally moved elsewhere and you can find it again.



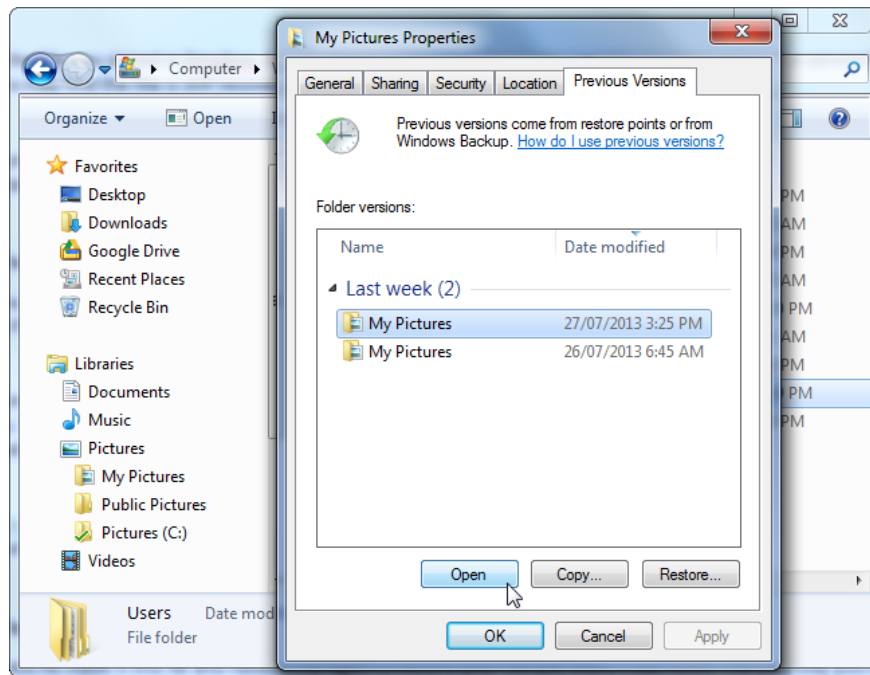
Check your backup - Backup if available

You should do regular **backups of your most important files** so you won't lose too much important data if they ever disappear on you. If you have a backup, now is the time to check it for a copy of the file you deleted.

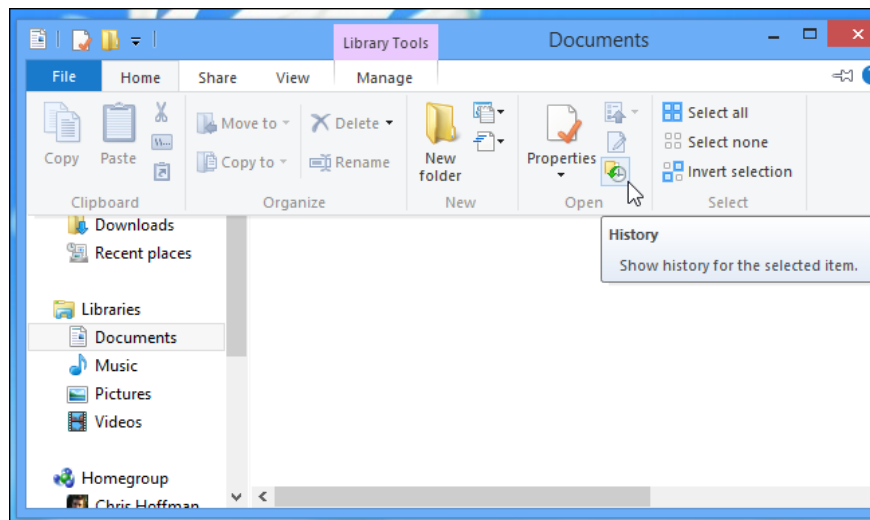
Windows supports backup tools. Previous versions of Windows 7 tools may have created a backup of your file, even if you left the default and didn't set anything.

To check the previous version, navigate to the directory containing your file, right-click on it and select **Restore previous version**.

You can view the backups that have been created and click the Open button to open them - you can find a backup of your important file.



* If you have **Files History** turned on, you can access a folder and click the History button on the toolbar to browse backups of files that have been stored once in the folder. there.



Determine if your drive is an HDD hard drive or an SSD solid state drive

At this point, if you have **determined that you deleted the file and have not managed to recover the file**, the only way you can get the file is to use **data recovery software**.

Traditional **HDD** and **SSD** solid **state** drive work differently. When you delete a file on a hard drive, its data is not immediately deleted from the disk. Instead, you just don't have a route to the data store. Data can then be overwritten. It can scan hard drives for residual data and recover deleted files that have not been overwritten.

When a **file is deleted from an SSD solid state drive** , that file is **immediately deleted** with the TRIM command to free up space and ensure the SSD can be quickly written into the future. That means that you cannot recover deleted data from solid state drives - once it is gone, it is gone. Older solid state drives and older operating systems like Windows Vista do not support TRIM, but modern solid state drives and Windows 7 and 8 all support TRIM.

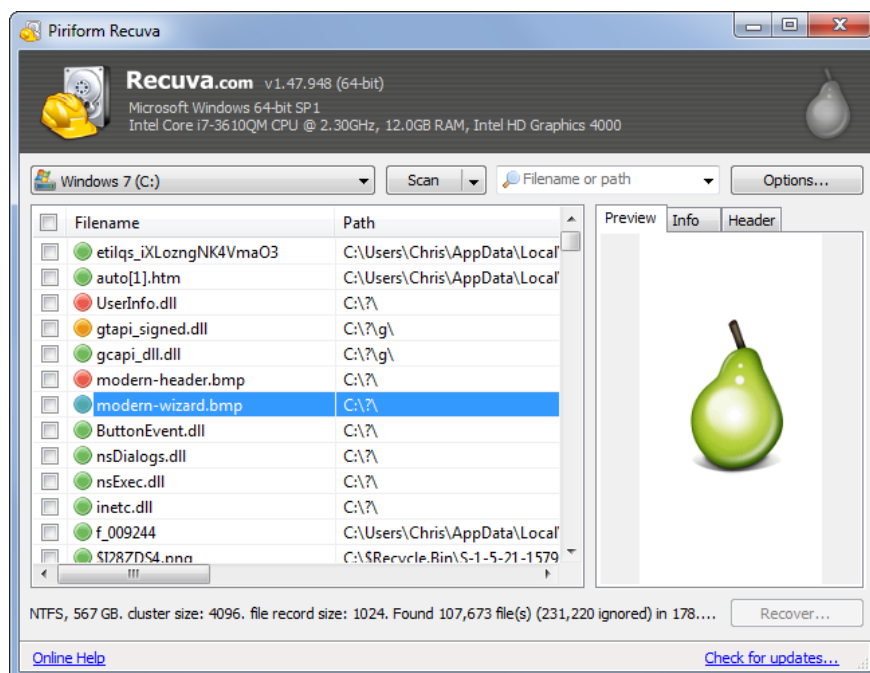


Using data recovery software, there is a higher risk to recover deleted files

If you want to get a deleted file back but it is not extremely important and you do not want to go to much additional effort, you can do it more easily at risk.

Just install a data recovery software like Recuva, GetDataBack . Use the application to scan your hard drive for deleted files and restore the one you want to return, if you can find it.

This is a risky way because when you install a tool like Recuva on the drive, it is possible that you can overwrite the data of the deleted file with the Recuva program data. It is also possible that other programs running in the background can write to the disk and overwrite the data. All it takes is a part of the file to be overwritten, and the file may become hard to recover as it was originally.



The safest way to recover a deleted file

|| First, you should turn off the computer, remove the hard drive to another device is best

If you **delete a file on a computer hard drive** and you **still use the computer**, the **safest thing** to do is to **turn off the computer immediately**. If you continue to use your computer - even if you only need to install file recovery software - it may be a program on your computer that can write to the hard disk and the data may be overwritten. File data is deleted on your hard drive.

With computers off, you should boot from a **live CD recovery CD** or **USB drive** or remove the hard drive from the computer completely and place it on another computer as a secondary drive. **It is important to avoid being overwritten to the drive.**

|| Use file recovery software to scan the drive, and hope you will find the deleted file. If you deleted the file recently and haven't written to the drive much, you have pretty good odds of recovering it. If you deleted the files two weeks ago and were written to the drive quite a bit, it's very unlikely that the files will be recovered.

Work on using ntsundelete and PhotoRec **tools** to do this from an **Ubuntu live CD or USB drive.**

```
ubuntu@ubuntu: ~
PhotoRec 6.13, Data Recovery Utility, November 2011
Christophe GRENIER <grenier@cgsecurity.org>
http://www.cgsecurity.org

Disk /dev/sda - 26 GB / 25 GiB (R0) - VBOX HARDDISK
Partition      Start      End      Size in sectors
2 P HPFS - NTFS 12 223 20 3263 105 42 52219904

Pass 1 - Reading sector 31747768/52219904, 374 files found
Elapsed time 0h00m12s - Estimated time to completion 0h00m07
tx?: 130 recovered
reg: 70 recovered
txt: 60 recovered
exe: 42 recovered
jpg: 20 recovered
edb: 18 recovered
dat: 12 recovered
lnk: 10 recovered
gif: 3 recovered
png: 3 recovered
others: 6 recovered
Stop
```

Professional data recovery

If data related to business is important , you **don't have any backups** , and **you can't restore it** , you might want to consider a professional data recovery service. First: Turn off the computer immediately if it is not already turned off. The more computers run, the more data will be written to your hard drive and the less chance you'll have to recover it.

Professional data recovery service deals with everything from dead hard drives that need to be disassembled to recover data for deleted and overwritten files.

However, if you have extremely important data that you cannot recover or replace and you are willing to pay, this is an option available to you. Of course, these services cannot guarantee anything - they may not be able to recover your data. They will also be able to charge you for their work even if they eventually cannot recover your data.



How to prevent data loss

The best way to ensure you will never have to recover a deleted file is to **make regular backups** . Even just enabling the **History Files history file** or the **Windows Backup function** in your Windows version will give you some peace of mind.

If you store your documents in Dropbox or a similar service or have them backed up to an online location, you'll also have a backup. All backup options also allow you to restore previous versions of the file.

It is possible to accidentally delete a file , but if you are performing regular backups, you will not lose much data. You will have more chances to recover deleted files.

|| Backups are a lot cheaper way than professional data recovery services.

Deleting files does not necessarily go forever, but they are not always easy to recover. As SSD solid-state drives are used in more and more new computers, proper backup procedures are becoming more important.

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