

About

NOYBshredder™ is a utility for “shredding individual files or whole folders of files” in a manner which greatly reduces the possibility of forensic recovery.

NOYB - stands for “**N**one **O**f **Y**our **B**usiness” - which is what a secret tends to be! And “shredder” is a concept everyone is familiar with - namely the rendering of information into an unusable state so as to eliminate any possibility of forensic recovery.

Thus, the name for this program is derived from its’ ability to shred your private information into a state that makes it unreadable and thus keep your important information from prying eyes. The modern day equivalent of an actual paper shredder.

So what is so special about NOYBshredder?

NOYBshredder has a feature other file shredders out there don’t - that is the ability to quickly render your files unrecoverable through the use of random numbers - in a single pass. Forensic recovery relies on “inferring” prior state of storage media by looking at the data in a microscopic manner. By using high quality random numbers to replace your data, the job of forensic recovery is greatly inhibited and also greatly thrown into question.

Rather than have the fixed patterning typically used in such programs as the only option, we have added an option of random numbers. Here is the list of the patterning options available:

Name	Pattern	Speed	Discussion
random	high quality random bytes	fast	Each file, prior to deletion, has its contents replaced, once , with an equal number of high quality random bytes from /dev/urandom random number device.
4x	0x55, 0xFF, 0xAA, 0x00	slow	Each file, prior to deletion has its contents replaced, 4 times in succession, with an equal number of the specified pattern bytes. File data area will be 0’s when completed.
11x	0xAA, 0xFF, 0x44, 0x00, 0xAA, 0x22, 0x55, 0x11, 0xFF, 0x55, 0x00	very slow	Each file, prior to deletion has its contents replaced, 11 times in succession, with an equal number of the specified pattern bytes. File data area will be 0’s when completed.

Who should use “NOYB Cryption”?

Anyone wanting to keep private files from being forensically recovered. Data that you or your clients place high value on, which if recovered, would cause great hardship. Out of sight, out of mind! I Also, when you shred, you can actually say you no longer have the files.

Files, Folders, Packages and Aliases

NOYBshredder targets individuals files for the actual shredding of data. And the operating system environment takes care of removing actual file folder (directory) entries transparently to NOYBshredder. Equally as important, but more subtle, is the fact that there are not just **files** and **folders** in modern computing environments.

There is a third file type entity known as a **package**. To the casual observer, many files may appear to be just a single file. But these files are actually folder structures. On the Mac, you can observe this behavior by asking the Finder to “Show Package Contents” for such files. When NOYBshredder operates, it treats packages and folders in exactly the same manner. Note however - in order to choose a package, you will only be able to choose it as a file in the “shred file” mode. Some well known file packages are:

1. *.app - application package type
2. *.pages - Pages (document editor) application documents
3. *.rtfd - TextEdit text file type
4. *.numbers - Numbers (spreadsheet) application documents
5. etc....

Finally, a fourth kind of file entity known as an **alias** file, can be found on computers. These are just plain old files - but with the unique aspect of pointing to where the actual data file contents are located. On the Mac, the Finder takes care of resolving alias files and doing the right thing with respect to aliases. For the purposes of NOYBshredder, it is enough to know that NOYBshredder will simply shred alias files. NOYBshredder **WILL NOT follow aliases** and shred the resolved file contents.

The Software

The software is self explanatory in use. Note some details:

1. If you turn logging on, NOYBshredder will record into the Apple Console “console log” each time a file or folder is shredded.
2. NOYBshredder understands when you drop a finder file(s) or folder(s) on its icon in the dock or wherever it resides (probably Application directory)
3. The “Warn Before Shredding” is on by default - if off, you will get no warning or opportunity to stop the shredding

4. You may shred multiple selected files or folders using either drag & drop from the finder or through the file open panels. If you request shredding in this manner, and the “Warn Before Shredding” option is on, you will be prompted to allow shredding of each selected file or folder to occur
5. This program is NOT meant for shredding entire volumes, though it can be used in that manner. You can use the Apple disk utility for full volume erasure or formatting and we provide a means to launch that utility for you.
6. Prior to shredding selected files, NOYBshredder will examine the files and test for a users right to delete all of the files involved.
7. Underlying OS X finder security SHOULD not allow you to remove any files that you don’t have the rights to eliminate. However, please exercise caution anyway.
8. **THE SHREDDING PROCESS IS PERMANENT. PLEASE BE CAREFUL WHEN SHREDDING. YOU HAVE BEEN WARNED!**

For more details and help, follow this link <http://www.chssystem.com>.

Release Information

Release Version	Date	Change Description
1.0.0	Mar 18, 2008	Original release.

Legalese

Please see the software license agreement visible from within the Help menu of all of our applications. All of the documentation and software referenced herein is Copyright © CHS Systems, LLC 2006-2008, unless otherwise noted.