

Darik's Boot and Nuke (DBAN)

Software is available at... <http://dban.sourceforge.net/>

This document will explain how to use DBAN to erase a hard drive in preparation for a clean Windows install. This is a faster method that offers less security than the more thorough wipe methods, but is fine for reinstalling on your own computer.

INSTRUCTIONS:

Download DBAN ISO file and burn it onto a bootable CD-ROM.

For HOW TO make a bootable CD-ROM, read this: <http://www.dban.org/faq/burning> -- or Google *burn iso to cd*

USE WITH CAUTION.

The purpose of this DBAN is to permanently **ERASE ALL DATA** on a computer hard drive.

If you want to permanently erase your hard drive, this is the software you need!

If you want to recover your files, use something else.

To use this CD-ROM, you must be able to boot from the CD-ROM drive. Most computers will look for a bootable CD-ROM when they are started, so put this CD-ROM in your computer and restart.

When the computer starts, you should see something like this¹...

```
Darik's Boot and Nuke
Warning: This software irrecoverably destroys data.

This software is provided without any warranty; without even the implied
warranty of merchantability or fitness for a particular purpose. In no event
shall the software authors or contributors be liable for any damages arising
from the use of this software. This software is provided "as is".

http://www.dban.org/

* Press the F2 key to learn about DBAN.
* Press the F3 key for a list of quick commands.
* Press the F4 key for troubleshooting hints.
* Press the ENTER key to start DBAN in interactive mode.
* Enter autonuke at this prompt to start DBAN in automatic mode.

boot: _
```

¹ If you restart your computer and your computer boots into Windows rather than DBAN, you may need to change your BIOS configuration to boot from the CD-ROM



Press **Enter** to start DBAN in Interactive mode. You should see something like this...

```
Darik's Boot and Nuke 1.0.7
----- Options -----
Entropy: Linux Kernel (urandom)
PRNG: Mersenne Twister (mt19937ar-cok)
Method: DoD Short
Verify: Last Pass
Rounds: 1
----- Statistics -----
Runtime:
Remaining:
Load Averages:
Throughput:
Errors:
----- Disks and Partitions -----
▶ [wipe] (SCSI 1,0,0,0,-) VMware, VMware Virtual S
  [ ] (IDE 0,0,1,-,-) VMware Virtual IDE Hard Drive
P=PRNG M=Method U=Verify R=Rounds, J=Up K=Down Space=Select, F10=Start
```

If you have more than one hard drive, choose the disk that you want to wipe.

- Use the **UP/DOWN ARROW** key to move the triangle-pointer to the hard drive you wish to erase.
- Press the **spacebar**

Next, select the wipe method you will use to erase your disk.

- Press the **M** key on your keyboard. You will see something like this ...

```
Darik's Boot and Nuke 1.0.7
----- Options -----
Entropy: Linux Kernel (urandom)
PRNG: Mersenne Twister (mt19937ar-cok)
Method: DoD Short
Verify: Last Pass
Rounds: 1
----- Statistics -----
Runtime:
Remaining:
Load Averages:
Throughput:
Errors:
----- Wipe Method -----
Quick Erase          syslinux.cfg: nuke="dwipe --method dodshort"
RCMP TSSIT OPS-II   Security Level: Medium (3 passes)
▶ DoD Short
DoD 5220.22-M
Gutmann Wipe
PRNG Stream

The American Department of Defense 5220.22-M short wipe.
This method is composed of passes 1,2,7 from the standard wipe.
J=Up K=Down Space=Select
```

- Use the **UP ARROW** key to move the triangle-pointer to **Quick Erase**
- Press **Enter**

(The Quick Erase is used to erase and prepare a disk for a Windows clean install. It is not the most secure method of file deletion, as it is intended to enable you to reuse your own hard drive.)



Now you are ready to erase your hard drive.

- Press the **F10** key at the top of the keyboard to start the process.

You will see something like this...

```
Darik's Boot and Nuke 1.0.7
-----
Options                               Statistics
Entropy: Linux Kernel (urandom)        Runtime:      00:00:11
PRNG: Merseme Twister (mt19937ar-cok)   Remaining:   00:00:19
Method: DoD Short                       Load Averages: 0.33 0.09 0.02
Verify: Last Pass                       Throughput:   10260 KB/s
Rounds: 1                               Errors:      0

(SCSI 1,0,0,0,-) VMware, VMware Virtual S
 [34.01%, round 1 of 1, pass 2 of 3] [writing] [10260 KB/s]
```

When the process is complete, you will see something like this...

```
DBAN succeeded.
All selected disks have been wiped.
Remove the DBAN boot media and power off the computer.

Hardware clock operation start date: Sun Aug 13 15:24:36 2006
Hardware clock operation finish date: Sun Aug 13 15:27:00 2006
Saving log file to floppy disk... a floppy disk in DOS format was not found.
DBAN finished. Press ENTER to save the log file._
```

Remove the DBAN CD-ROM from your computer. Insert the Windows installation CD-ROM. Reboot and install Windows!

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