



(270) 527-9969

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## CAUTION!

This process will wipe ALL information from your computer. There will be NOTHING left and what was removed is NOT recoverable. Only use this disk when you are absolutely sure you are ready to no longer have access to the data on your computer.

The Marshall County Public Library takes no responsibility for what you do with the information presented in this guide.

This is for informational purposes only.

In order to recycle your computer, it is recommended that all sensitive information be removed. In order to do this effectively, I am going to demonstrate using the program DBAN. DBAN is a program that uses Department of Defense technology to completely wipe a hard drive so the information that was on it is irrecoverable.

Place the CD in your disk drive and reboot your computer. Upon booting up, you should see a screen that says "Press any key to boot from disk." If you are not presented with an option to boot from the CD drive, you will need to reboot your computer. As the computer boots, pay attention to any notification that may appear at the boot screen that says something like, "Press F2 for boot options." Your boot options may be using the delete key, F10, or esc. It depends on the manufacturer of your computer.



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Press a key of your choosing and you will be presented with this screen:

```
Darik's Boot and Nuke
-----

Warning: This software irrecoverably destroys data.

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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 to read the RAID disclaimer.
* Press the ENTER key to start DBAN in interactive mode.
* Enter autonuke at this prompt to start DBAN in automatic mode.

boot: _
```

From here, we are going to type "autonuke" without the quotations, as shown below. There is nothing more to do on your part. From here on out, the process is completely automatic.

```
Darik's Boot and Nuke
-----

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boot: autonuke_
```



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If we sit in front of the computer to watch the program run its course, we'll see screen below. The program will show that it is loading. The loading may take a few minutes, but will show "done" and automatically take us to the next page when the loading process is complete.

```
Darik's Boot and Nuke 2.2.8 is starting.
[ 0.738484] udevd[391]: starting version 181
[ 0.751291] pcnet32: pcnet32.c:v1.35 21.Apr.2008 tsbogend@alpha.franken.de
[ 0.751543] ACPI: PCI Interrupt Link [LNKC1] enabled at IRQ 10
[ 0.751575] pcnet32 0000:00:03.0: PCI INT A -> Link[LNKC1] -> GSI 10 (level, low) -> IRQ 10
[ 0.751649] pcnet32: PCnet/FAST III 79C973 at 0xd020, 08:00:27:55:35:51 assigned IRQ 10
[ 0.751729] pcnet32: Found PHY 0022:561b at address 0
[ 0.756131] pcnet32: eth0: registered as PCnet/FAST III 79C973
[ 0.756205] pcnet32: 1 cards found
[ 0.756330] piix4_smbus 0000:00:07.0: SMBus base address uninitialized - upgrade BIOS or use force_addr=0xaddr
[ 0.756556] input: PC Speaker as /devices/platform/pcspkr/input/input3
[ 0.906481] sr0: scsi3-mmc drive: 32x/32x xa/form2 tray
[ 0.906532] cdrom: Uniform CD-ROM driver Revision: 3.20
[ 0.929906] parport_pc 00:04: reported by Plug and Play ACPI
[ 0.931733] input: ImExPS/2 Generic Explorer Mouse as /devices/platform/i8042/serio1/input/input4
[ 0.956701] pppdev: user-space parallel port driver
Waiting for USB devices to register...[ 1.310064] Refined TSC clocksource calibration: 3153.187 MHz.
[ 1.310129] Switching to clocksource tsc
..... done.
```

This is the page where we can see where the program is in the process. It will take a lot of time, anywhere from a half hour to four hours, depending on the size of the disk. This is the cost of privacy. In the screenshot below, in the top right corner, we see the amount of time the program has been running, and we will also see an approximate amount of time remaining. In the center of the page, we see how far along in the process we are. The disk shown below is 51.96% complete.

```
----- Darik's Boot and Nuke 2.2.8 -----
Options                               Statistics
Entropy: Linux Kernel (urandom)       Runtime:      00:00:01
PRNG:   Merseme Twister (mt19937ar-cok) Remaining:
Method: DoD Short                      Load Averages: 0.08 0.02 0.01
Verify: Last Pass                      Throughput:
Rounds: 1                               Errors:      0

ATA Disk VBOX HARDDISK 1.0 127MB UBfb89b81f-41bb6adc
[51.96%, round 1 of 1, pass 3 of 3] [writing] [0 B/s]
```



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When the process is complete, we are taken to the following page. As indicated, press a key of your choosing to complete the process.

```
DBAN succeeded.  
All selected disks have been wiped.  
Hardware clock operation start date: Wed Apr 01 14:59:15 2015  
Hardware clock operation finish date: Wed Apr 01 14:59:20 2015  
  
* pass ATA Disk UBOX HARDDISK 1.0 28MB UB3d6485f8-dc093d53  
  
Press any key to continue...
```

What we see below is a simple advertisement that is presented after pressing any key during the previous screen. When you see this screen, remove the disk from your drive and press the power button on your computer. The process is complete. The computer will no longer boot and is ready for recycling.

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USA (770) 971 9770  
GERMANY +49-7141-95660-25  
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INT +358 207 433 850  
SALES@BLANCCO.COM