Preparing Donated Computers

To prepare computers for CCC we run through a process of wiping the hard drives, disassembling the monitors storing the leads and cables.

Once the computers are broken down, the main issue is on-site storage.

Secure Wipe with Darik's Boot and Nuke (DBAN)

To wipe the computers we use DBAN. DBAN is a simple program that can be burnt onto a CD/DVD or loaded over a network, that erases data using industry standard algorithms.

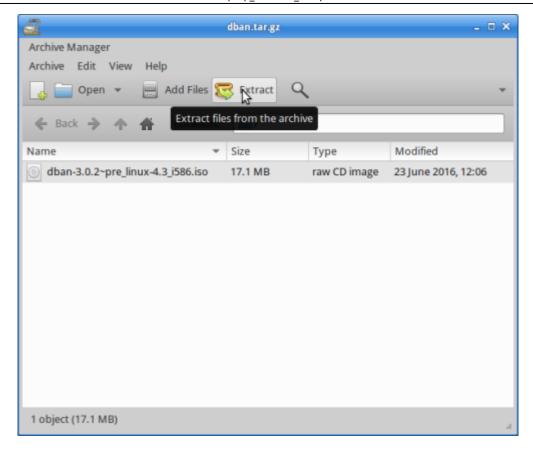
Your computer will boot and let you choose from a number of options for wiping the drive, ranging from simple to paranoid.

The official version of DBAN doesn't work on all the SLQ donated computers so we've made a build from an unofficial fork, which can be burnt to a DVD.

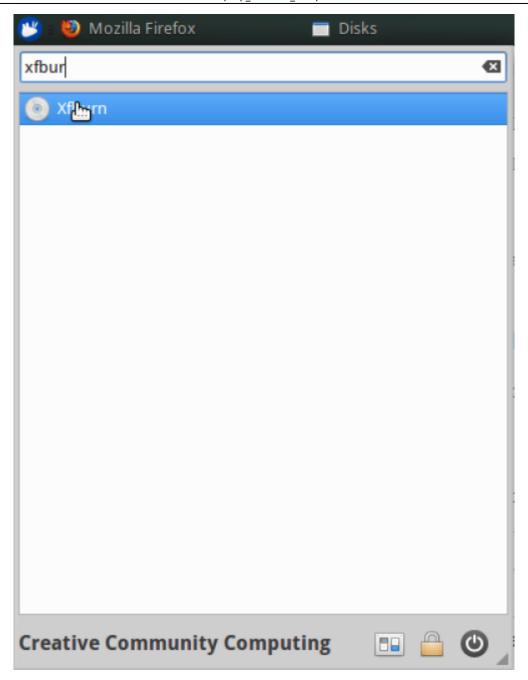
Make a DBAN CD/DVD

This procedure works on various SLQ donated computers including HP-8100 and HP-8200 Desktop PCs, HP-Elitebook laptops as well as older Dell computers. If you are having trouble adapting it for your donations, please contact us for a hand.

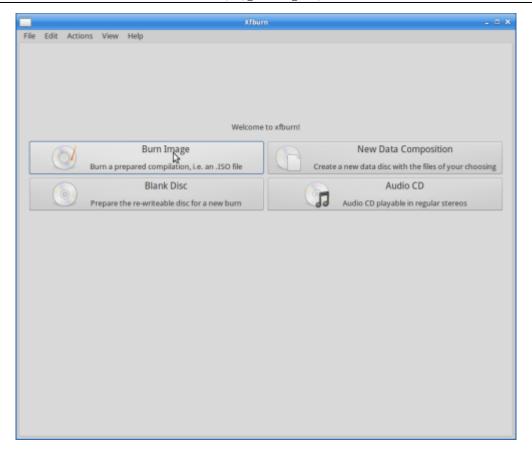
You can download our build here, then use the archive manager to extract the files.



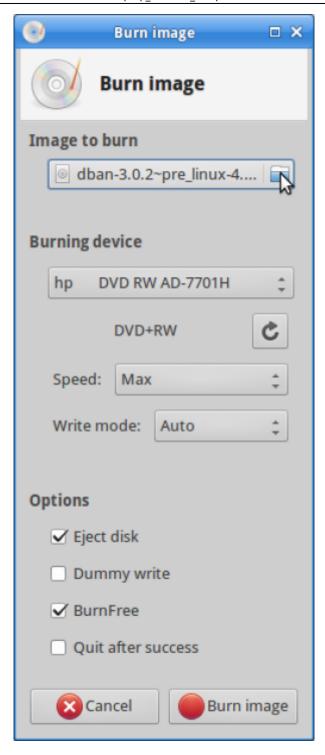
Find xfburn in the whisper menu.



Launch it and select Burn Image



Find your dban.iso - then click burn.



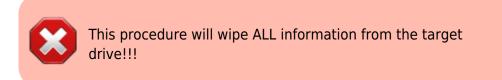
This will take about 5 minutes.



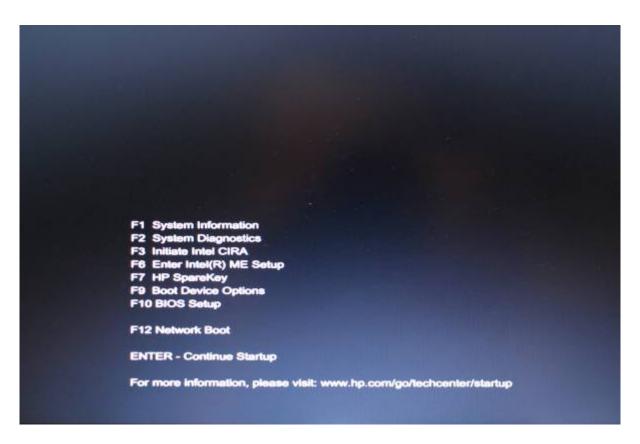
Wiping using Dban from DVD

We will demonstrate this using a CCC laptop - specifically HP Elitebook 2570p. The options will vary each new computer but the basic process is;

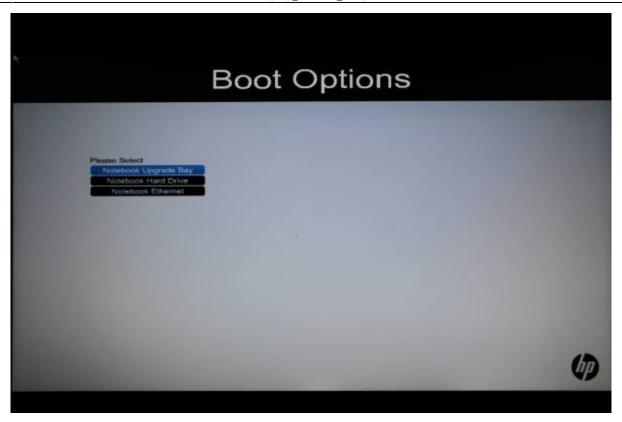
- Boot from DVD drive
- Load DBAN
- Go to interactive Mode
- · Select disks to be wiped



Once your computer is ready to be wiped, start it up then insert the DVD. Interrupt the boot to go to startup options (esc) the select "Boot Device Options"



The DVD drive is in the "Notebook Upgrade Bay" for this computer



Once DBAN has started, press enter to go to interactive mode

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Hernium: 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 to read the RAID disclaimer.
- Press the EMIER key to start DBAN in interactive mode.
- Enter autonuke at this prompt to start DBAN in automatic mode.

boot:
Loading dban.bzi...
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DBAN will finish loading, and scan the computers hardware 1)

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United dress 254)

3.9852871 ACPI: If an ACPI driver is available for this device, you should not it instead of the native driver

4.0015781 lpc_ich: Resource conflict(s) found affecting gpio_ich

4.0097911 shpchp: Standard Hot Plug PCI Controller Driver version: 0.4

4.0105791 iTCO_wdt: Intel TCO WatchDog Timer Driver v1.11

4.0107071 iTCO_wdt: Intel TCO WatchDog Timer Driver v1.11

4.0107351 iTCO_wdt: Found a Panther Point TCO device (Version=2, TCOBASE=0x 0460)

4.0186961 iTCO_wdt: initialized, heartbeat=30 sec (nowayout=0)

4.0595951 sdhci: Secure Digital Host Controller Interface driver

4.0677871 sdhci: Copyright(c) Pierre Ossava

4.0762571 sdhci-pci 0000:23:00.0: SDHCI controller found [197b:2392] (rev 3 0)

4.0925083 sdhci-pci 0000:23:00.0: Mo vmmc regulator found

4.1006211 sdhci-pci 0000:23:00.0: Mo vmmc regulator found

4.1087901 tpm tis 00:01: TPM is disabled/deactionted (0x7)

4.1096881 sdhci-pci 0000:23:00.2: SDHCI controller found [197b:2391] (rev 3 0)

4.1097051 sdhci-pci 0000:23:00.2: SDHCI controller found [197b:2391] (rev 3 0)

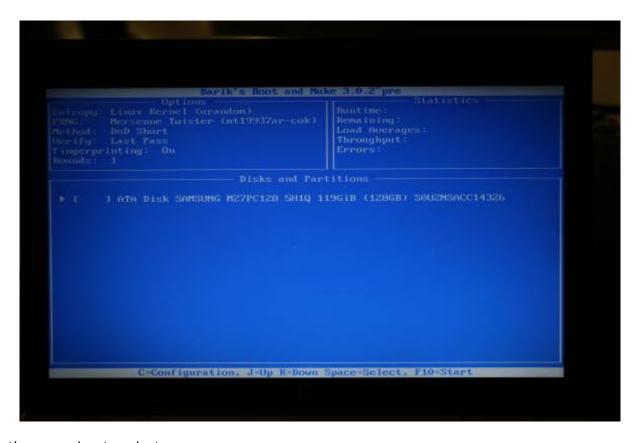
4.1097051 sdhci-pci 0000:23:00.2: Refusing to bind to secondary interface.

4.6603441 input: PS/2 Generic House as /devices/platform/18042/seriol/input

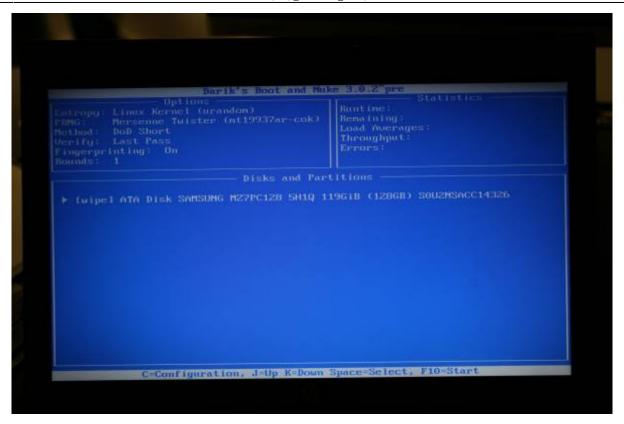
15.5182251 psmouse serio4: synaptics: Touchpad nodel: 1, fw: 7.4, id: 0x1e0h

1.08751581 input: SynPS/2 Synaptics TouchPad as /devices/platform/18042/seriol/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/input/i
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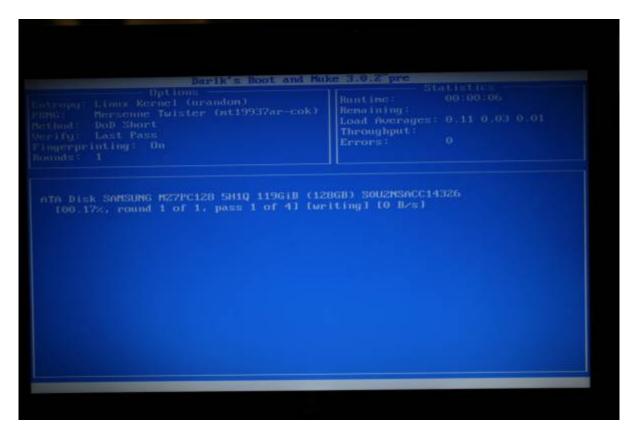
and finish with a screen that allows you to select the drives you want wiped. Make sure all the drives in the computer are visible.



Use the space bar to select.



Then press enter to start the wipe. It will take about 50 for a 120gig drive.



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at this point we have had trouble with removable media bays (SD-CARD readers and the like) appearing as hard disks, which DBAN fails to mount, forcing it to hang. The solution is to disable the media bays in the BIOS