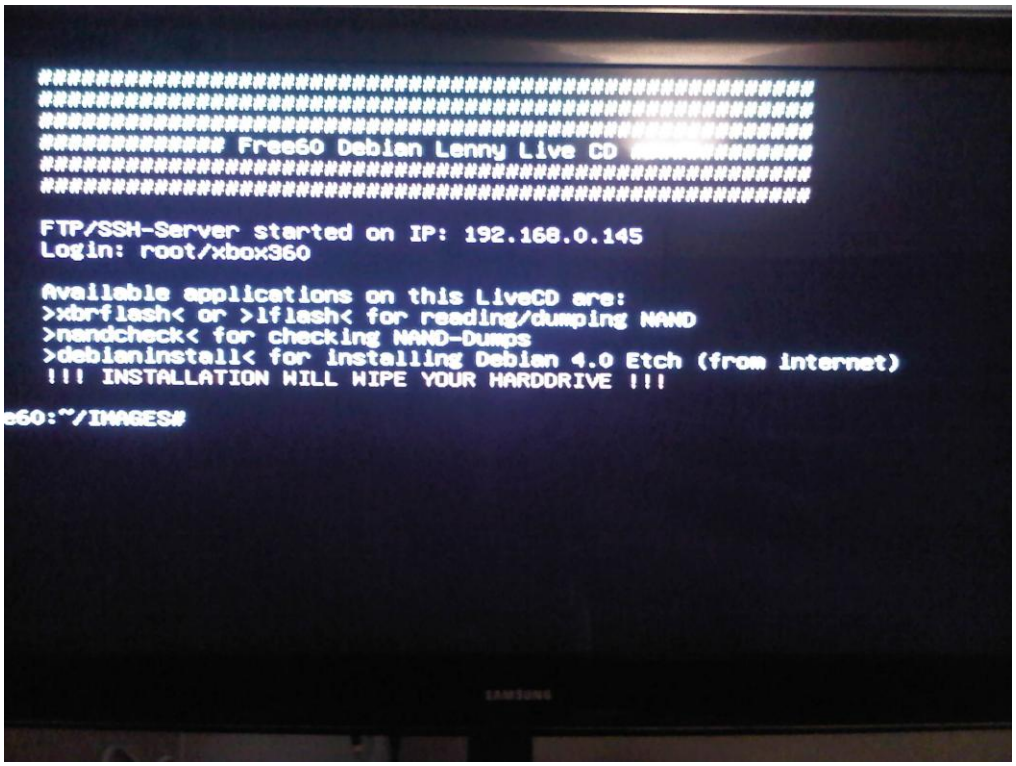
Flashing with XBRFLASH for Linux

Requirements:

- XBRFLASH
- Putty
- Debian v5.0 Mini LiveCD – Free60
- Latest release of XBR for your console, untouched don't inject anything into it.
- XeLL or XeLLous already installed and bootable.
- USB Drive or Key formatted Fat/Fat32

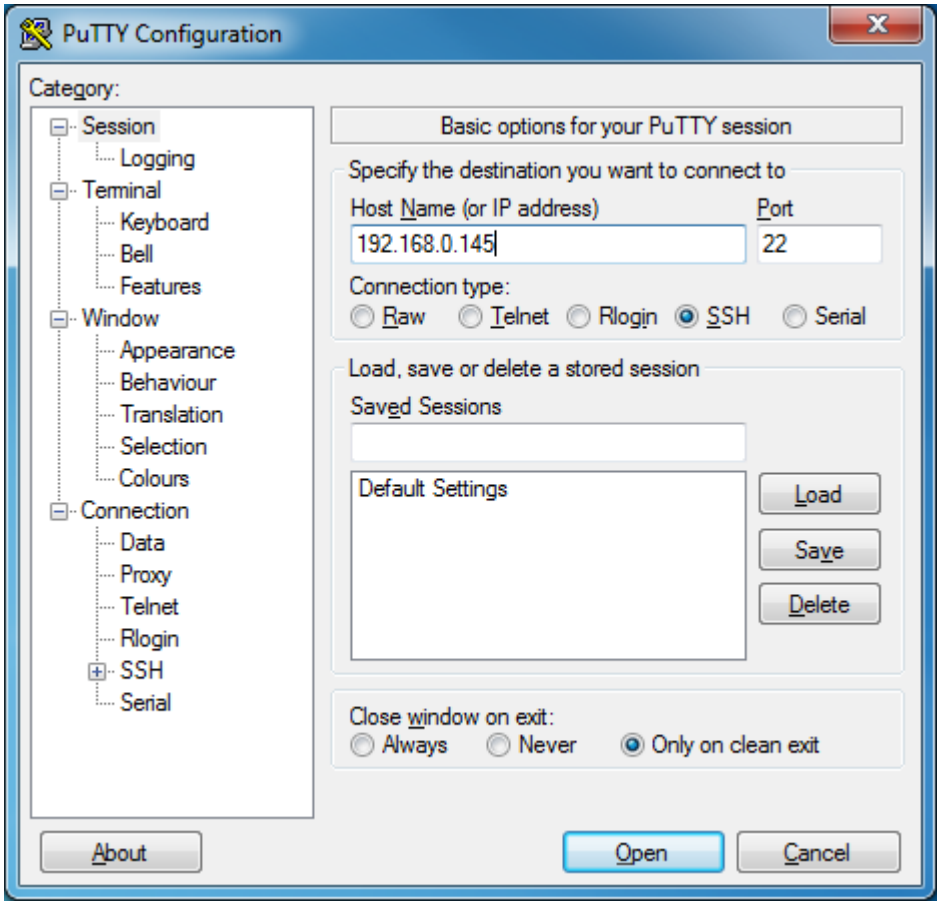
Procedure:

1. Burn Debian v5.0 Mini LiveCD – Free60 onto on 4.7GB DVD.
2. Copy xbrflash to the root of your USB drive, and rename your release of XBR to xbr.bin and copy it to the root of the drive as well.
3. Boot console into Xell or XeLLous.
4. Place Debian DVD into XBOX 360 DVD Tray and close as quickly as possible.
5. Console should boot into Debian OS. If successful you should see a similar screen:

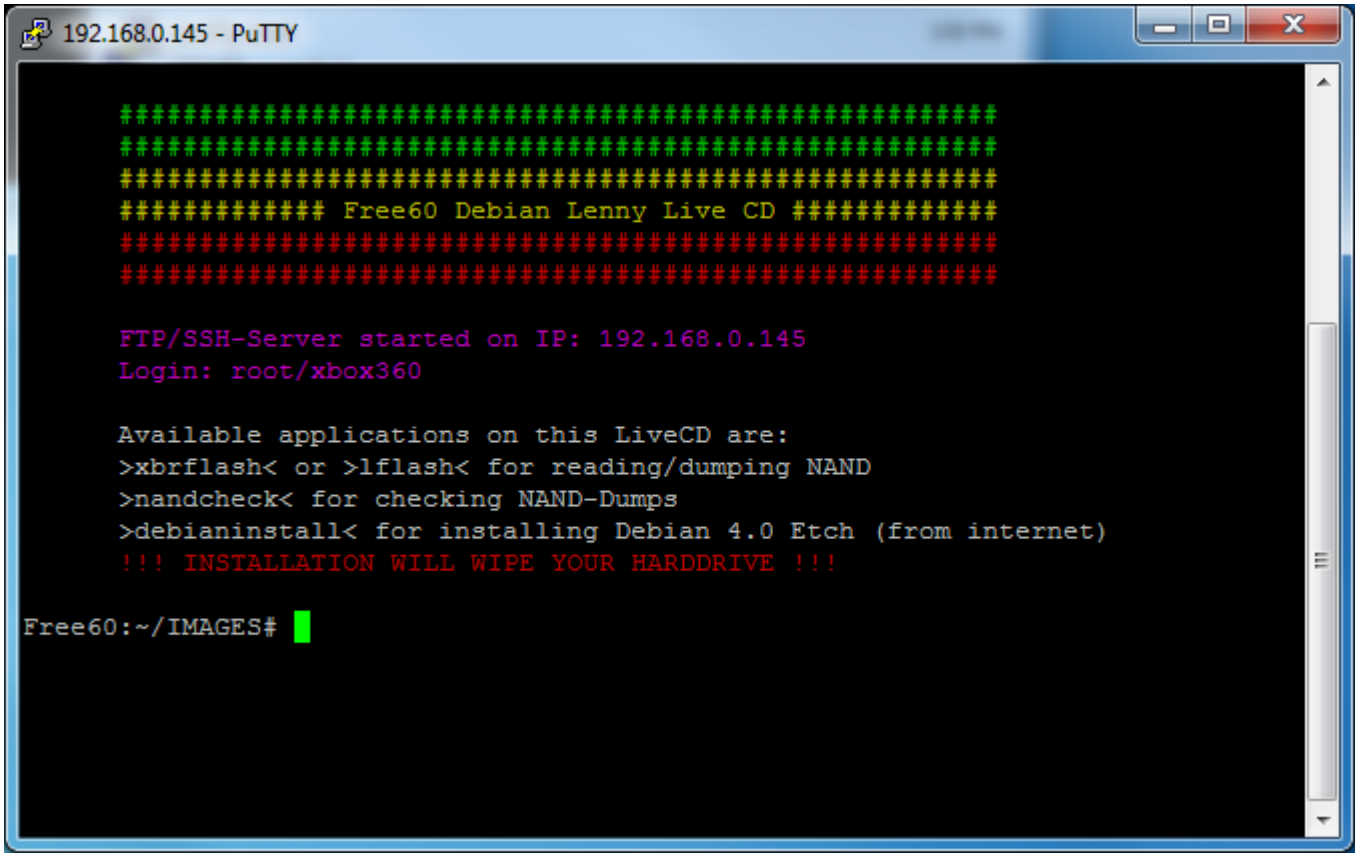


6. Take note of the IP address listed.
7. Plug-in USB drive at this point.
8. Go to your computer and lunch Putty.

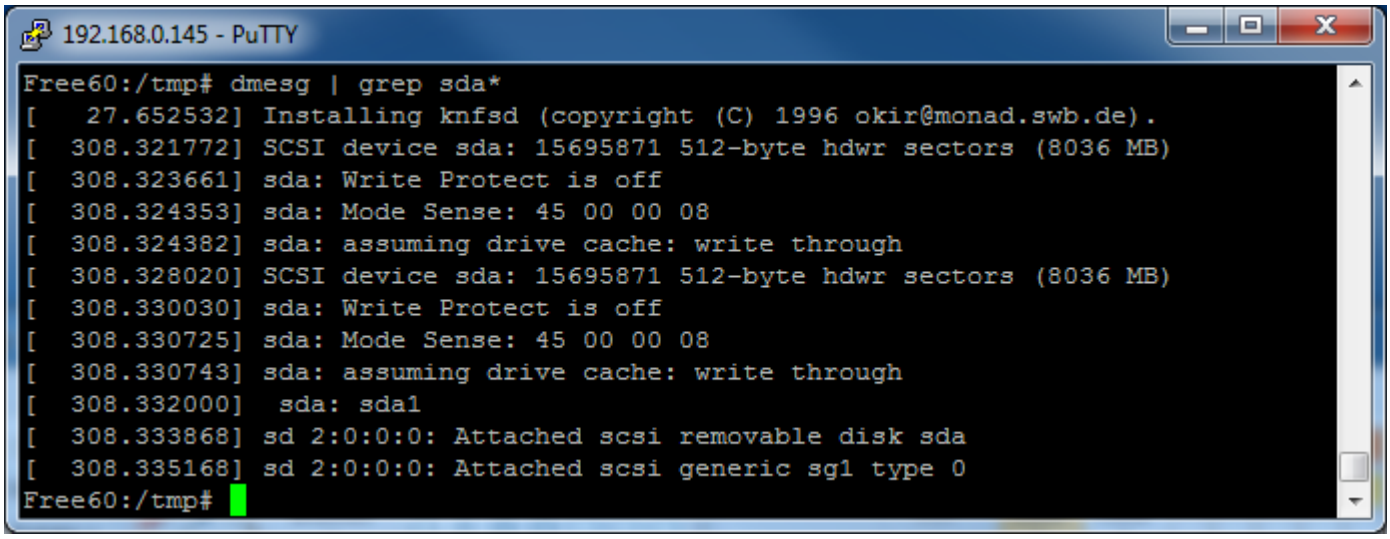
9. Fill out the following screen with your IP and click “Open”.



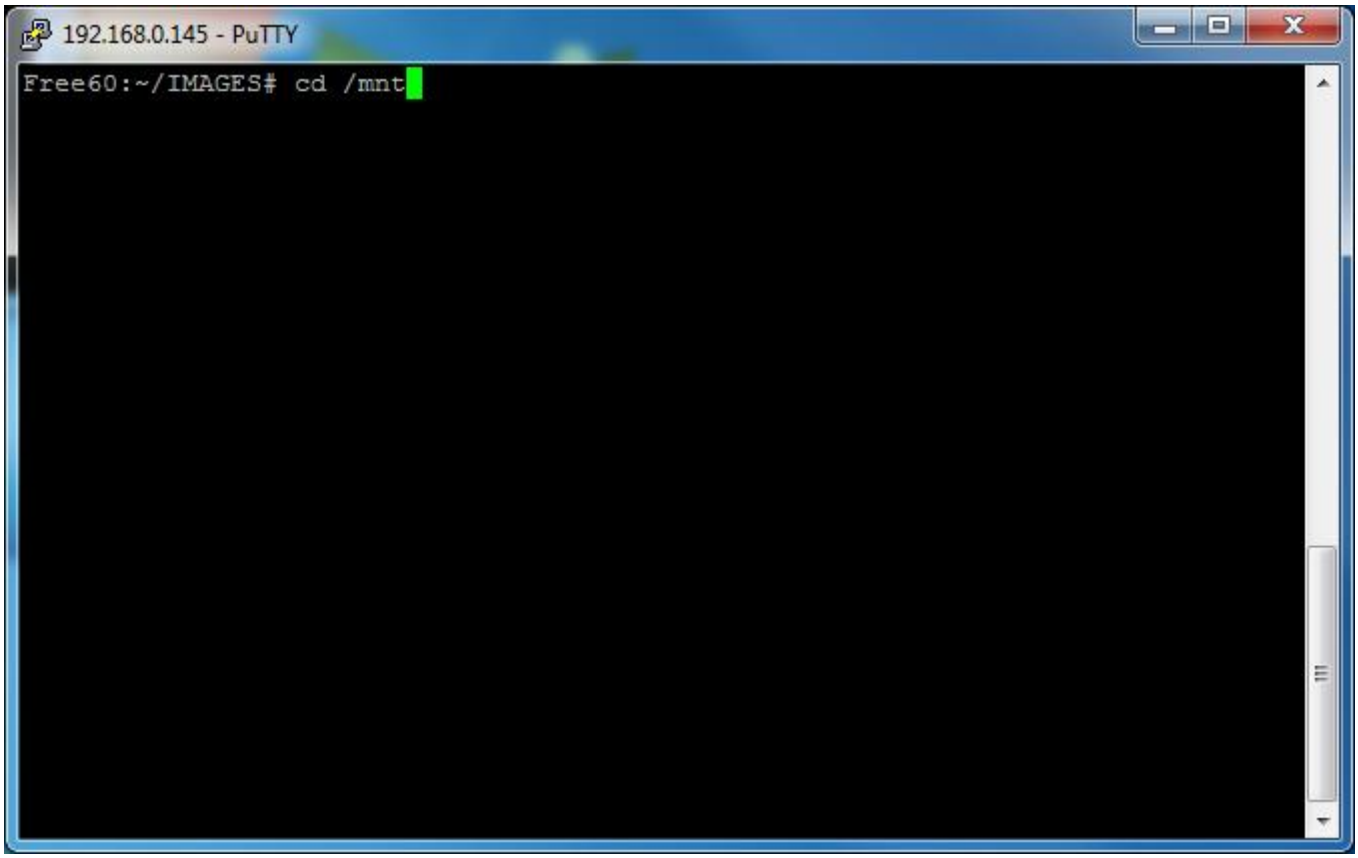
10. When prompted for the username and password enter root and xbox360.
11. If you’ve logged in successfully you should see something like this.

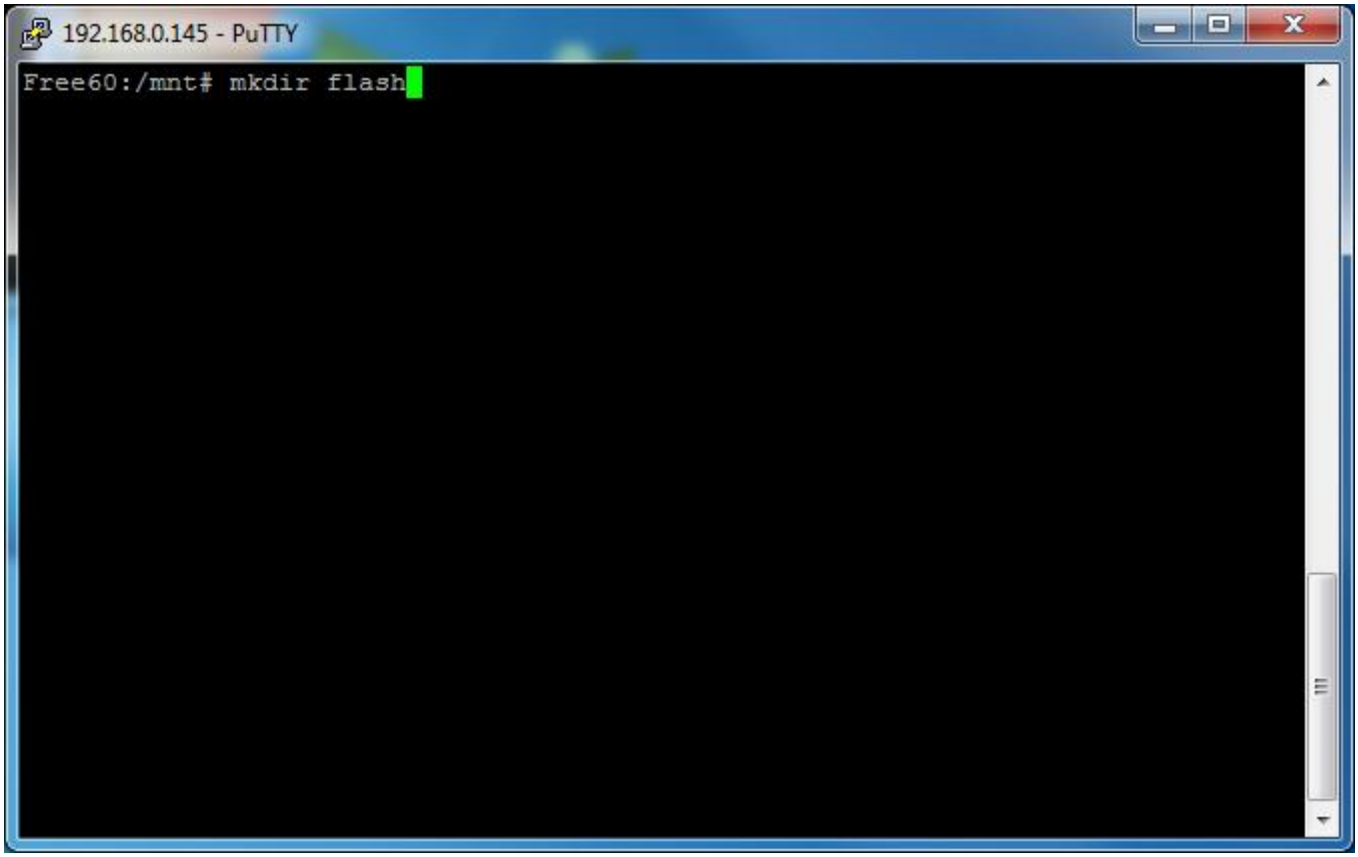


12. Now we need to find out the device name of our drive so we can mount it. So type in without quotes: “dmesg | grep sda*”

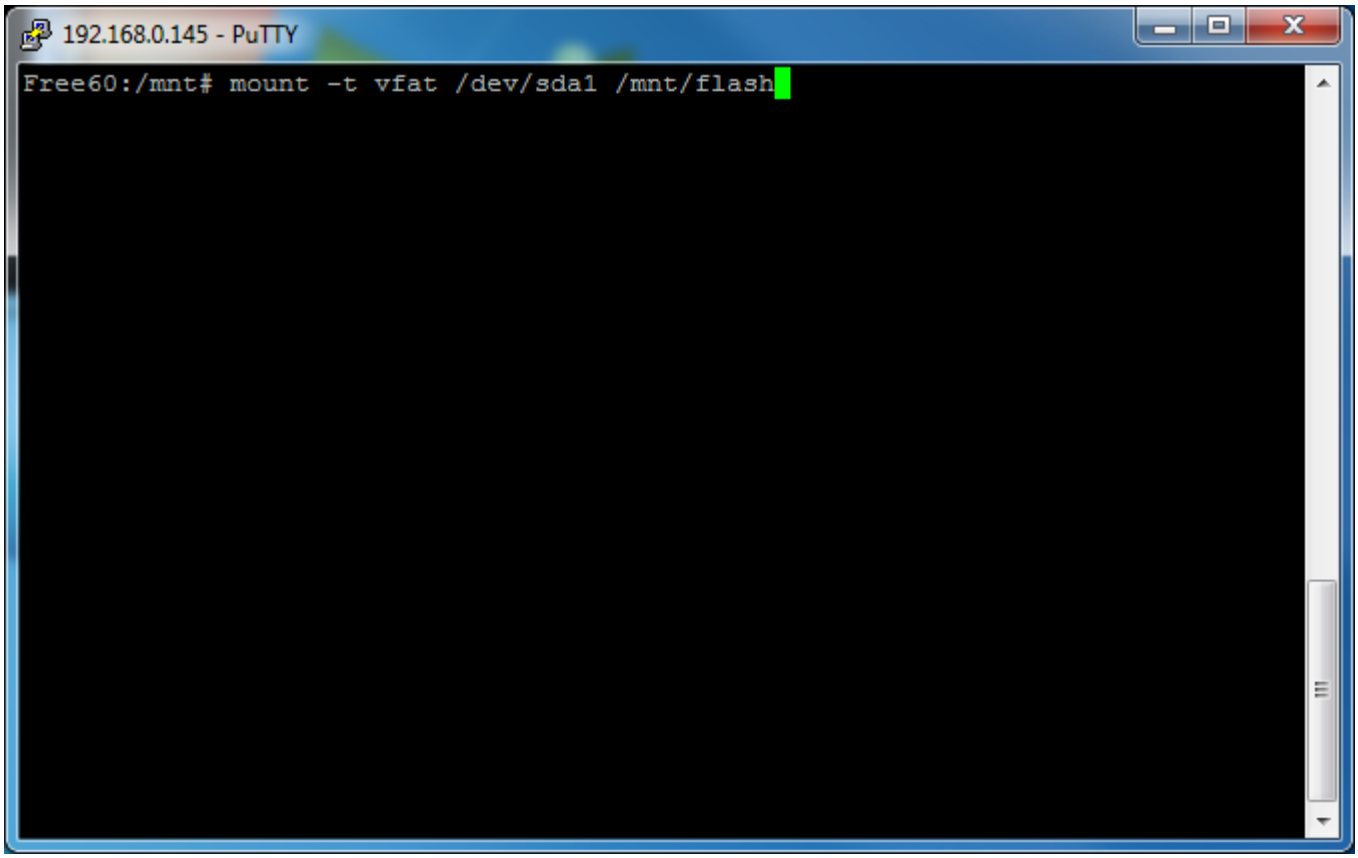


13. The device name of the USB drive should be the third line from the bottom in this case it is “sda1”.
14. Navigate to the /mnt directory and create a new directory for mounting or flash drive like so.

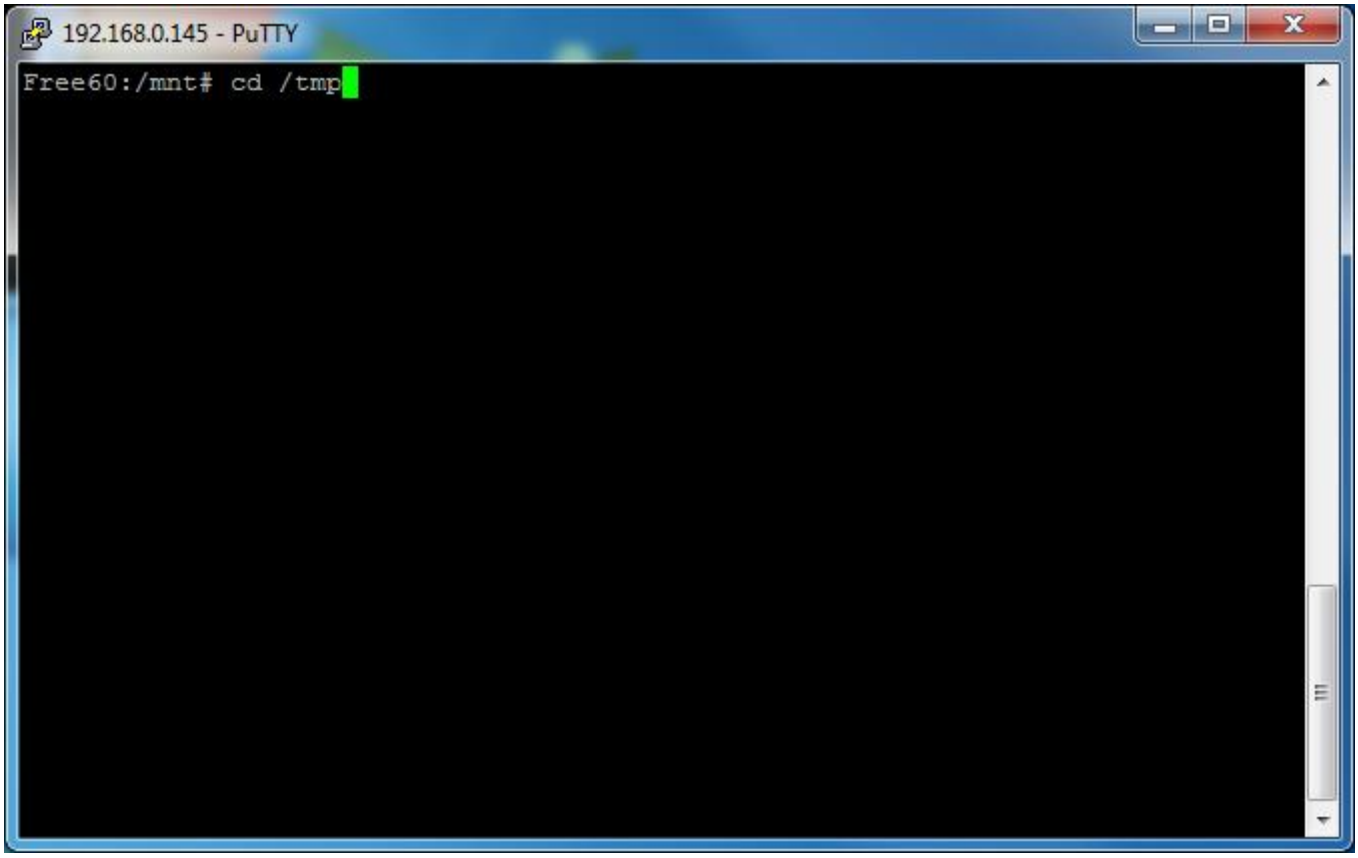




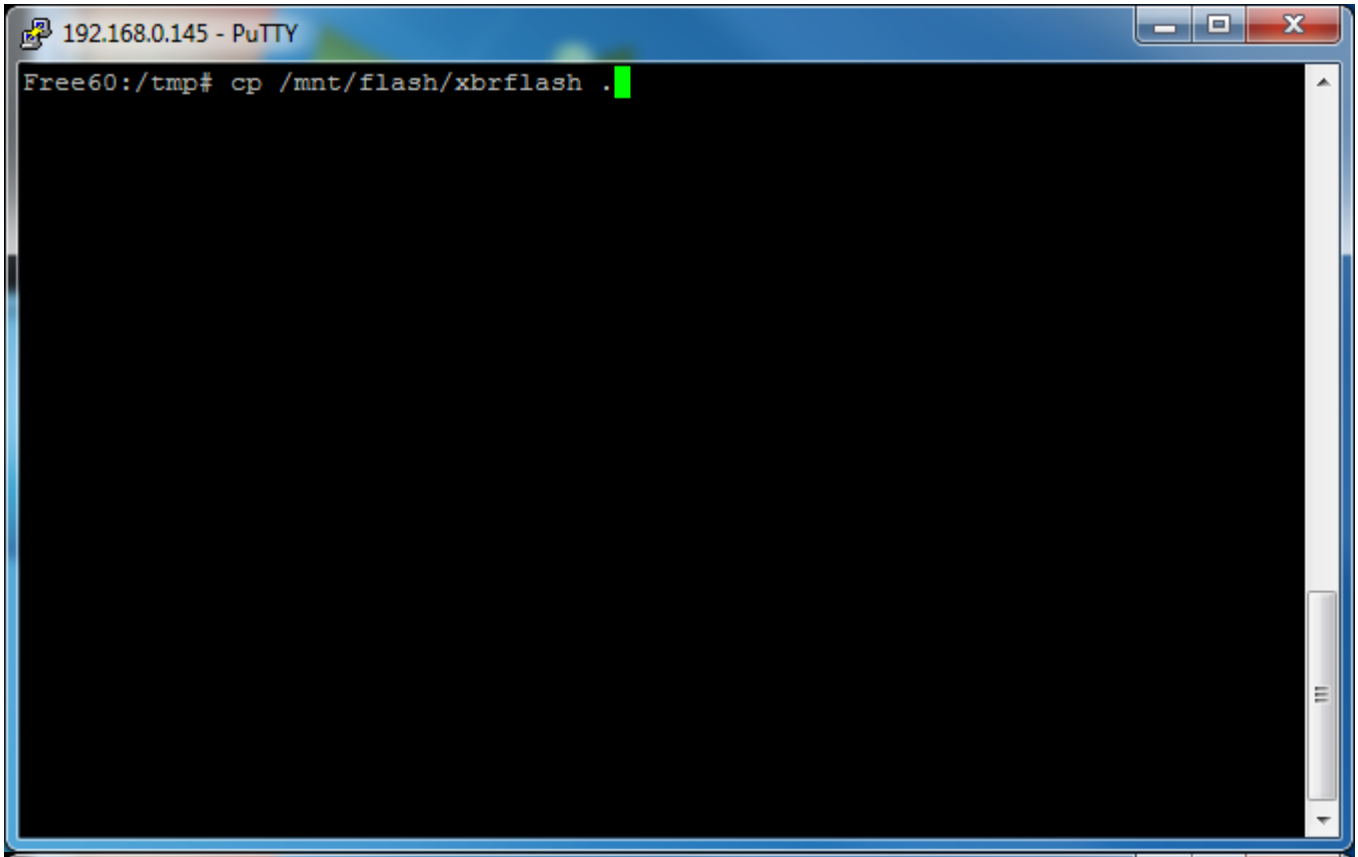
15. Mount your flash drive like so. Make sure you change the device name to your own if different than the one used in the command

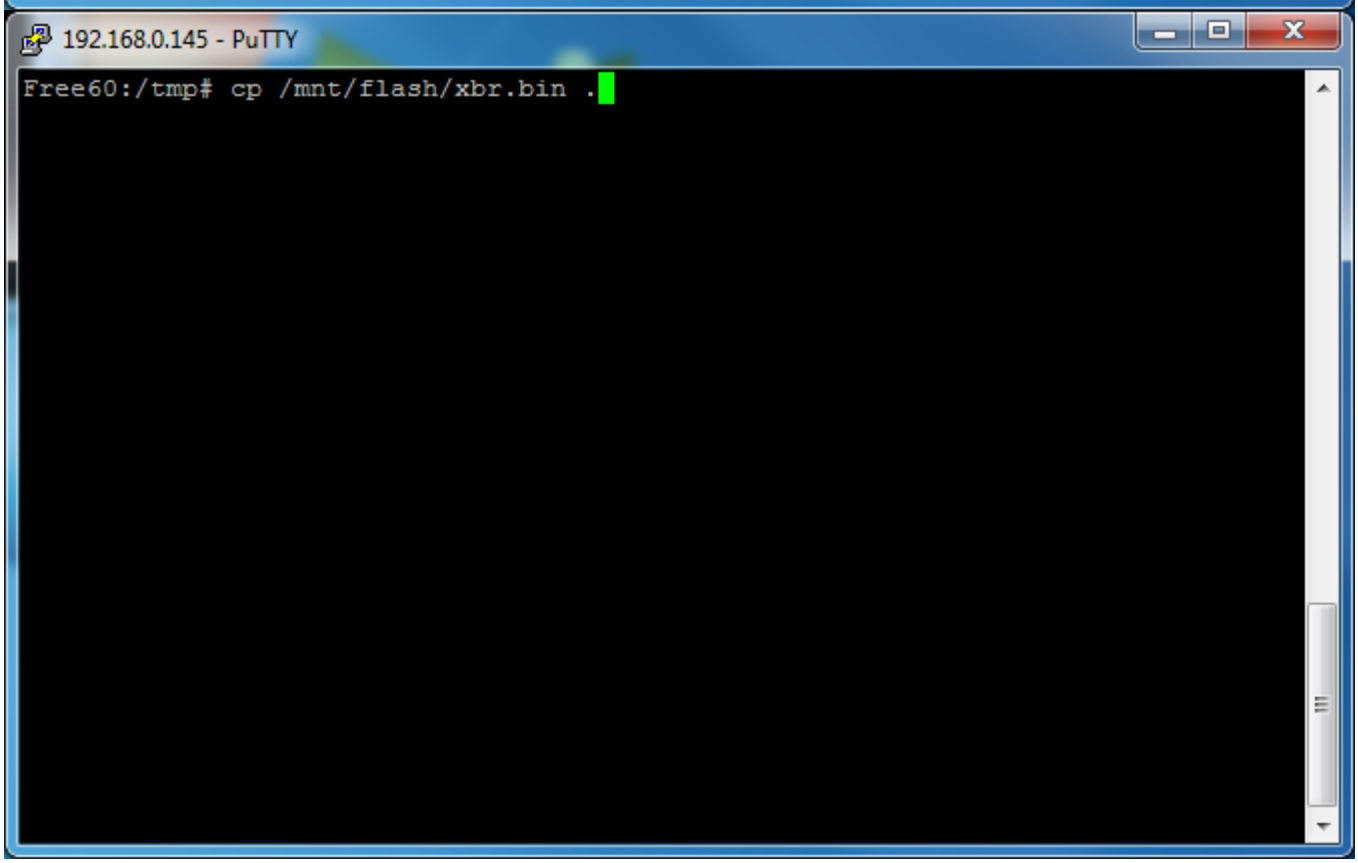


16. Change your working directory to “/tmp”.



17. Copy xbrflash and xbr.bin from your USB Drive or Key to the /tmp directory.





18. Dump your nand, like so with the command “xbrflash –d dump.bin”. Notice how xbrflash verifies the dump. You don’t have to dump it multiple times, one time is sufficient.

```
192.168.0.145 - PuTTY
Free60:/tmp# xbrflash -d dump.bin

XBR-Flash for Linux v0.3 beta by trancy (www.modcontrol.com)
Thanks goes to tmbinc and Redline99 and all Beta-Tester on xboxhacker.org

Nandsize: 256 MB detected
Read and write: 64 MB

Dumping to dump.bin...
0x200 block's to dump...
Bad block found @ 0xe
Bad block found @ 0x3b
Reading block: 0x200 of 0x200 (64MB/64MB)
Reading done in 43.00 sec.
Speed: 1.49 MB/s

Verifying flash with dump.bin...
0x200 block's to verify...
Detected RAW nand file, verifying in raw mode.
Bad block found @ 0xe
Ignoring bad block @ 0xe
Bad block found @ 0x3b
Ignoring bad block @ 0x3b
Verifying block: 0x200 of 0x200 (64MB/64MB)
Verify done in 43.00 sec.
Speed: 1.49 MB/s.
Verified 67108864 bytes ok :)
Free60:/tmp#
```

19. Copy the dump to your USB drive, for safe keeping.

```
192.168.0.145 - PuTTY
Free60:/tmp# cp dump.bin /mnt/flash
```

20. Flash your XBOX with xbr.bin with the following command “./xbrflash -w xbr.bin -kv -config “

192.168.0.145 - PuTTY

```
Free60:/tmp# ./xbrflash -w xbr.bin -kv -config

XBR-Flash for Linux v0.3.6 beta by trancy (www.modcontrol.com)
Thanks goes to tmbinc, Redline99 and all Beta-Tester on xboxhacker.org

Nandsize: 256 MB detected
Read and write: 64 MB

Keep KV on Nand...
OK.

Flashing from xbr.bin...
0x200 block's to write...
Detected RAW nand file, using raw mode.
Relocating/moving bad block from position 0xe to 0x1ff
Relocating/moving bad block from position 0x3b to 0x1fe
No writing in Config-Area @ block: 0x1de
No writing in Config-Area @ block: 0x1df
Writing block: 0x1ff of 0x1ff (64MB/64MB)
No writing in the reserved area from block: 0x1fe
Speed: 2.06 MB/s
Write done in 31.00 sec.

Verifying flash with xbr.bin...
0x200 block's to verify...
Detected RAW nand file, using raw mode.
Bad block found @ 0xe
Ignoring bad block @ 0xe
Bad block found @ 0x3b
Ignoring bad block @ 0x3b
No Verifying in Config-Area @ block: 0x1de
No Verifying in Config-Area @ block: 0x1df
Verifying last block: 0x1ff of 0x1ff (64MB/64MB)
Corrected ECC: 262
Speed: 1.60 MB/s.
Verify done in 40.00 sec.
Verified 69206016 bytes OK :)
Free60:/tmp#
```

Notice how xbrflash will keep your current kv and config, that is why it is not necessary to inject them into xbr.bin. Also note how it automatically moves the Bad Blocks.

21. Run the shutdown command and power off the xbox when it says it is safely to do so.
    “shutdown -h now”
22. Done enjoy XBR now.