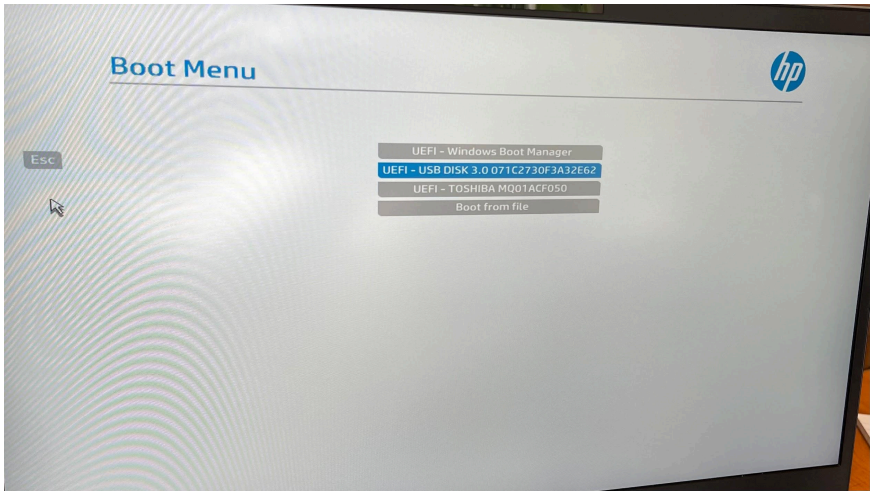
Step by step how to setup a new pc and restore disk image using Clonezilla:

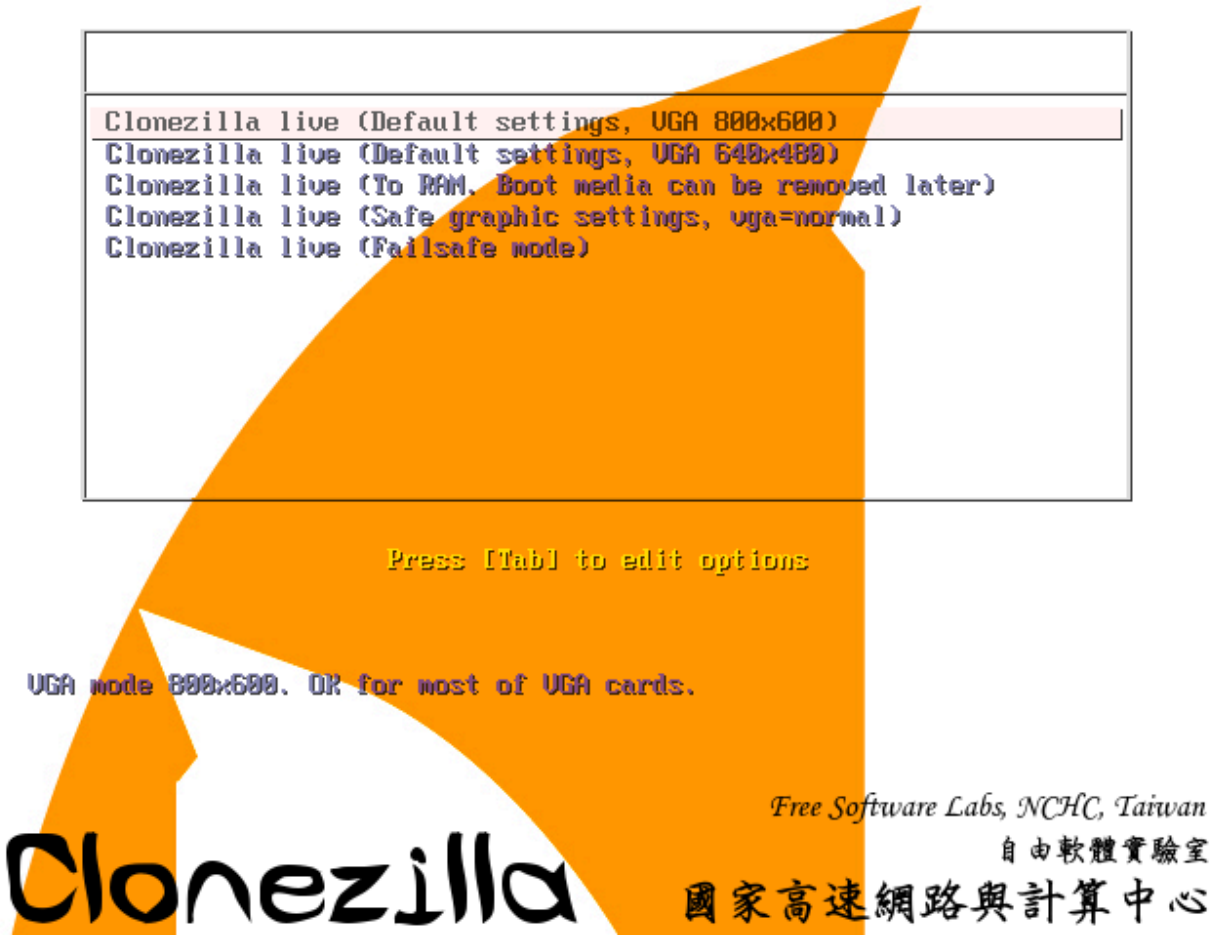
Step1: Turn off your pc and plugin your Clonezilla flash drive to your new pc

Step 2: Turn on your pc and continuously press f-9 for HP and f-12 for Dell

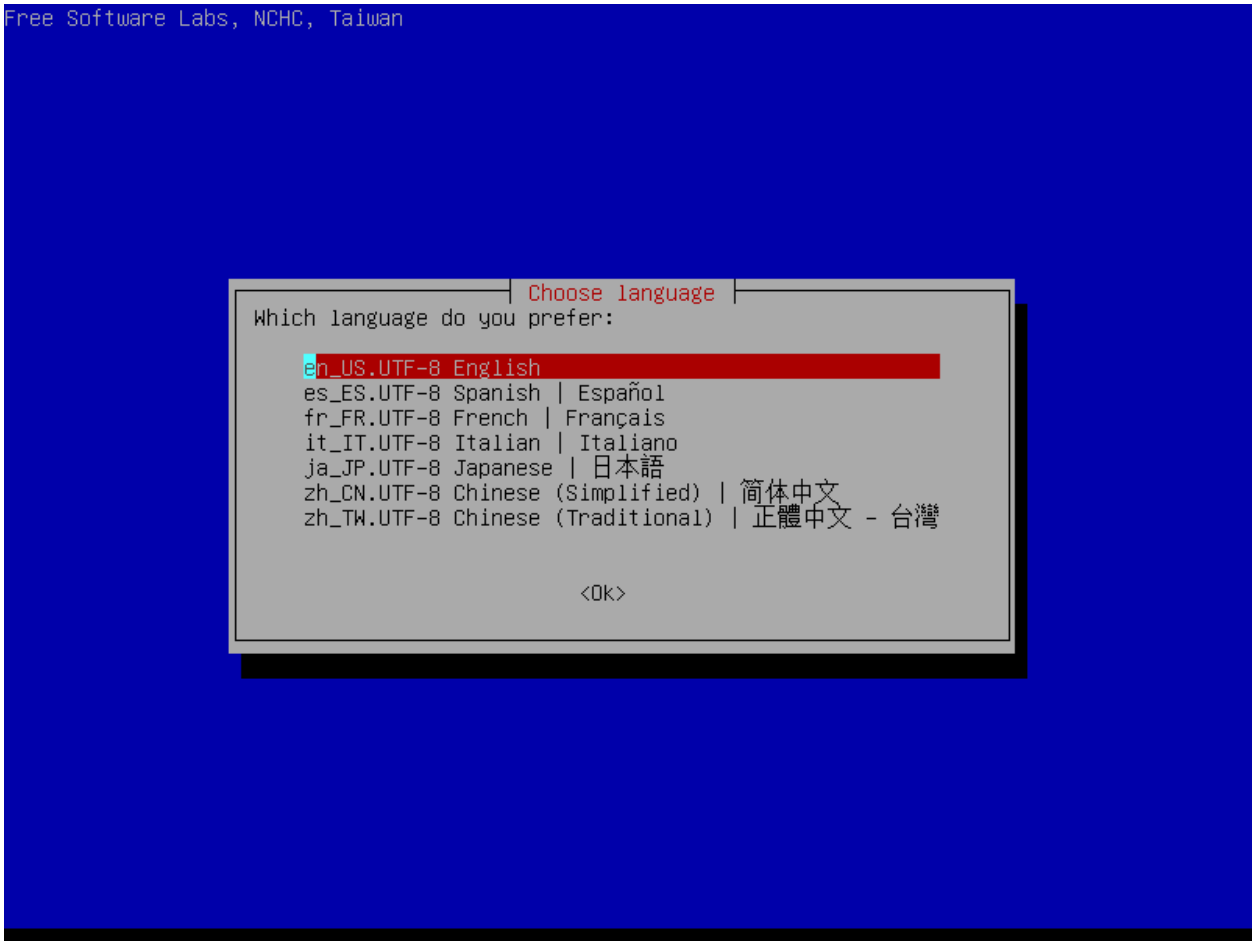
Step 3: Select UEFI :USB DISK and Press Enter to continue.



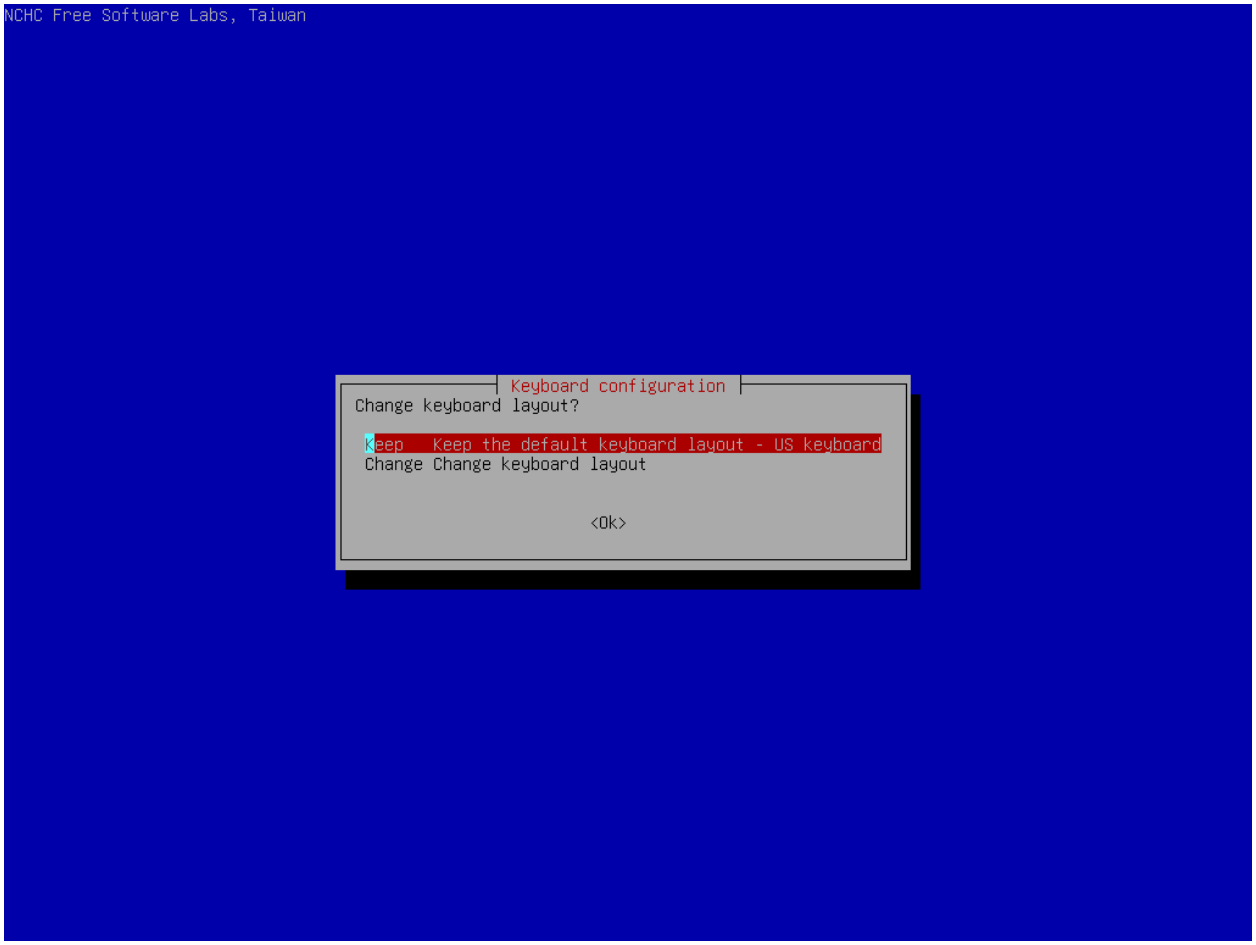
Step 4: Press Enter to continue



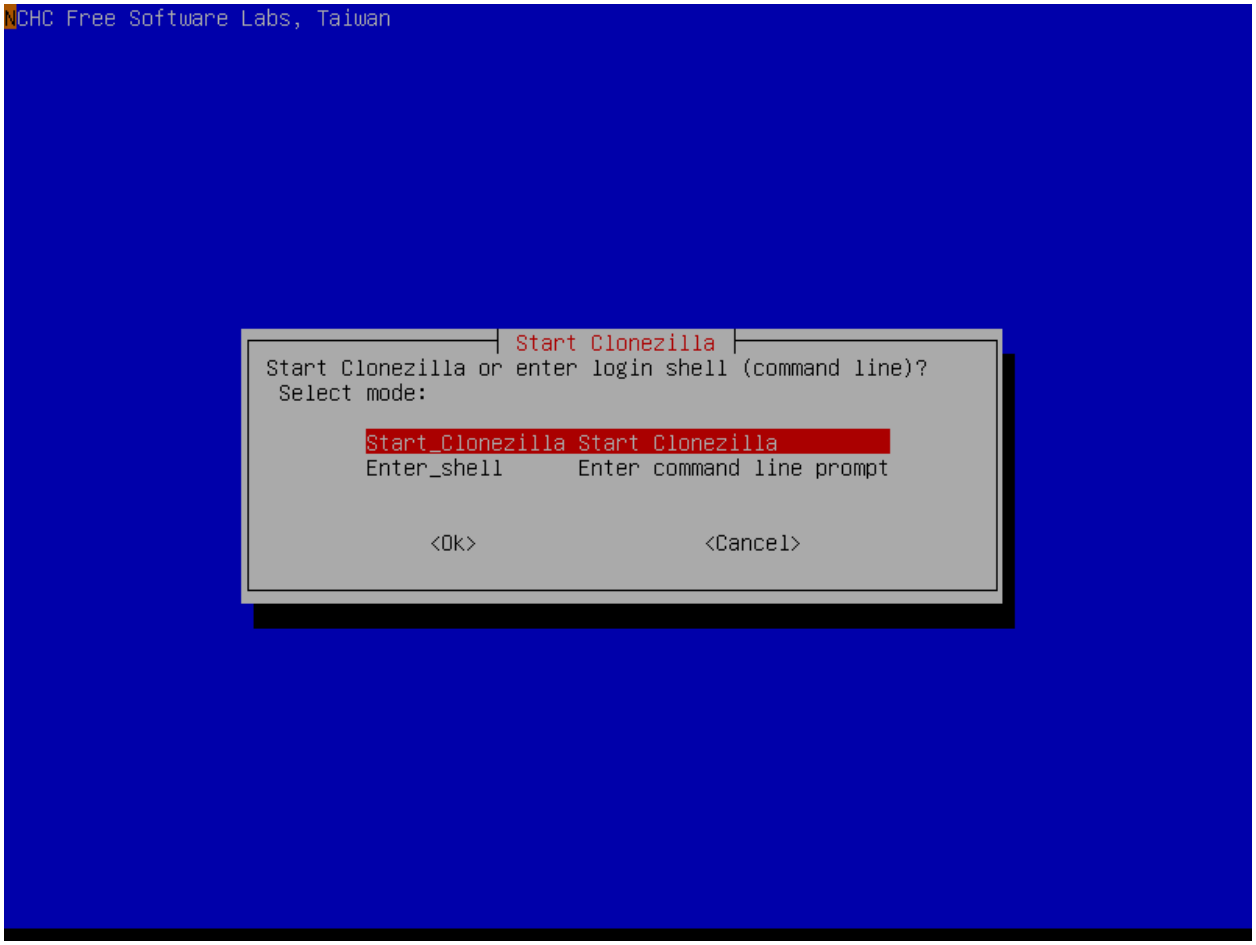
Step 5: Select English and press Enter to continue



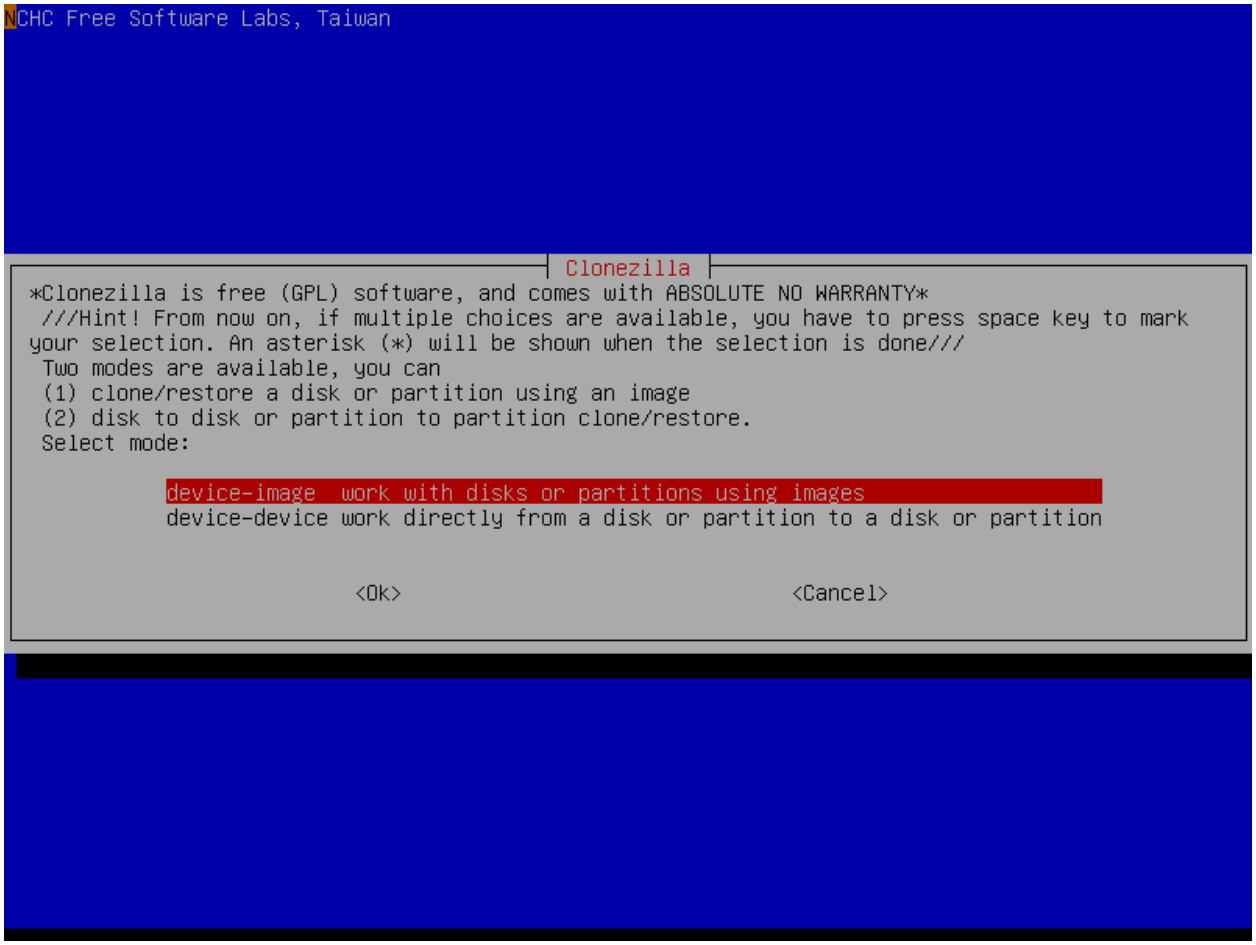
Step 6: Select keep keep the default keyboard layout and press Enter to continue



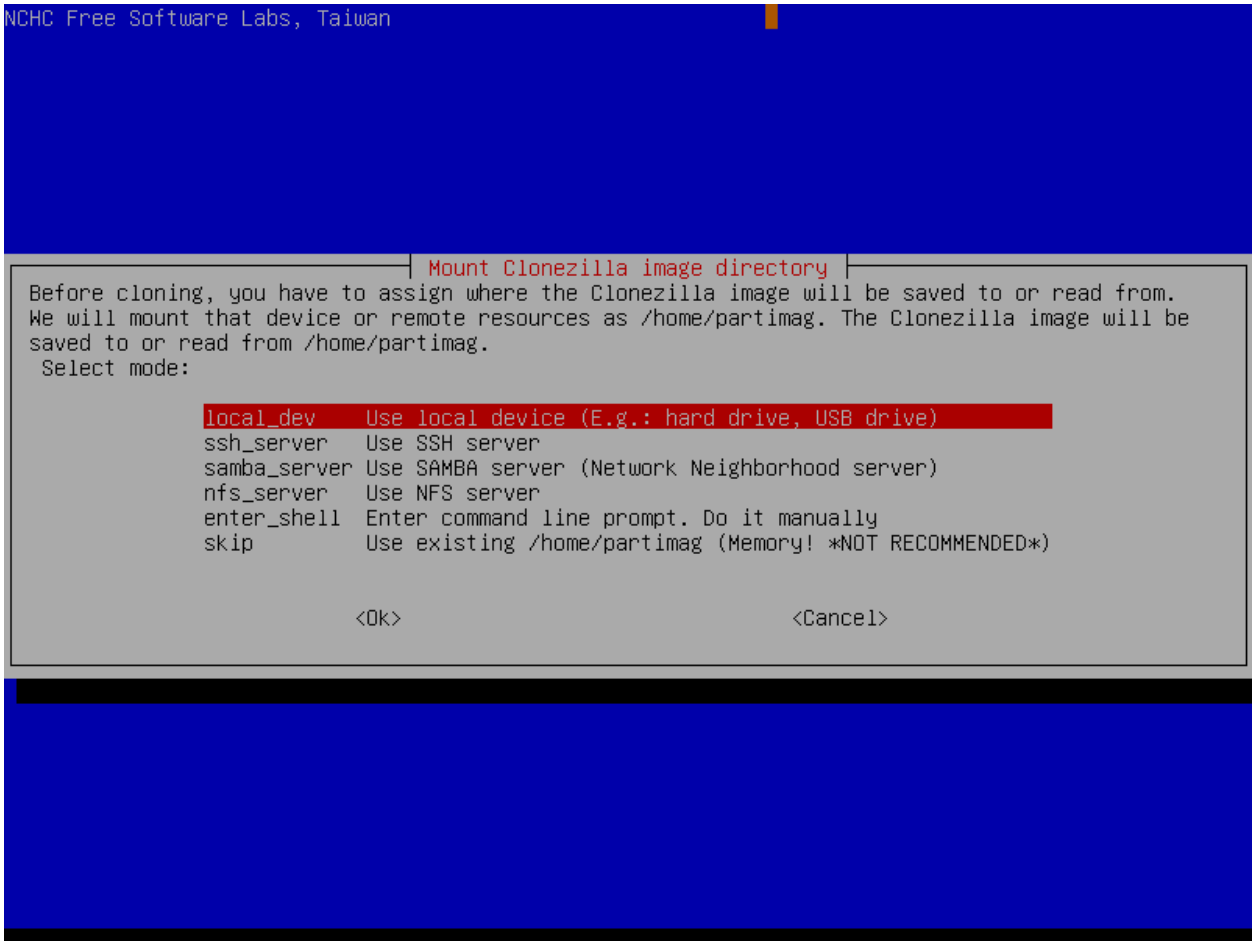
Step 7: Select Start_Clonezilla and press Enter to continue



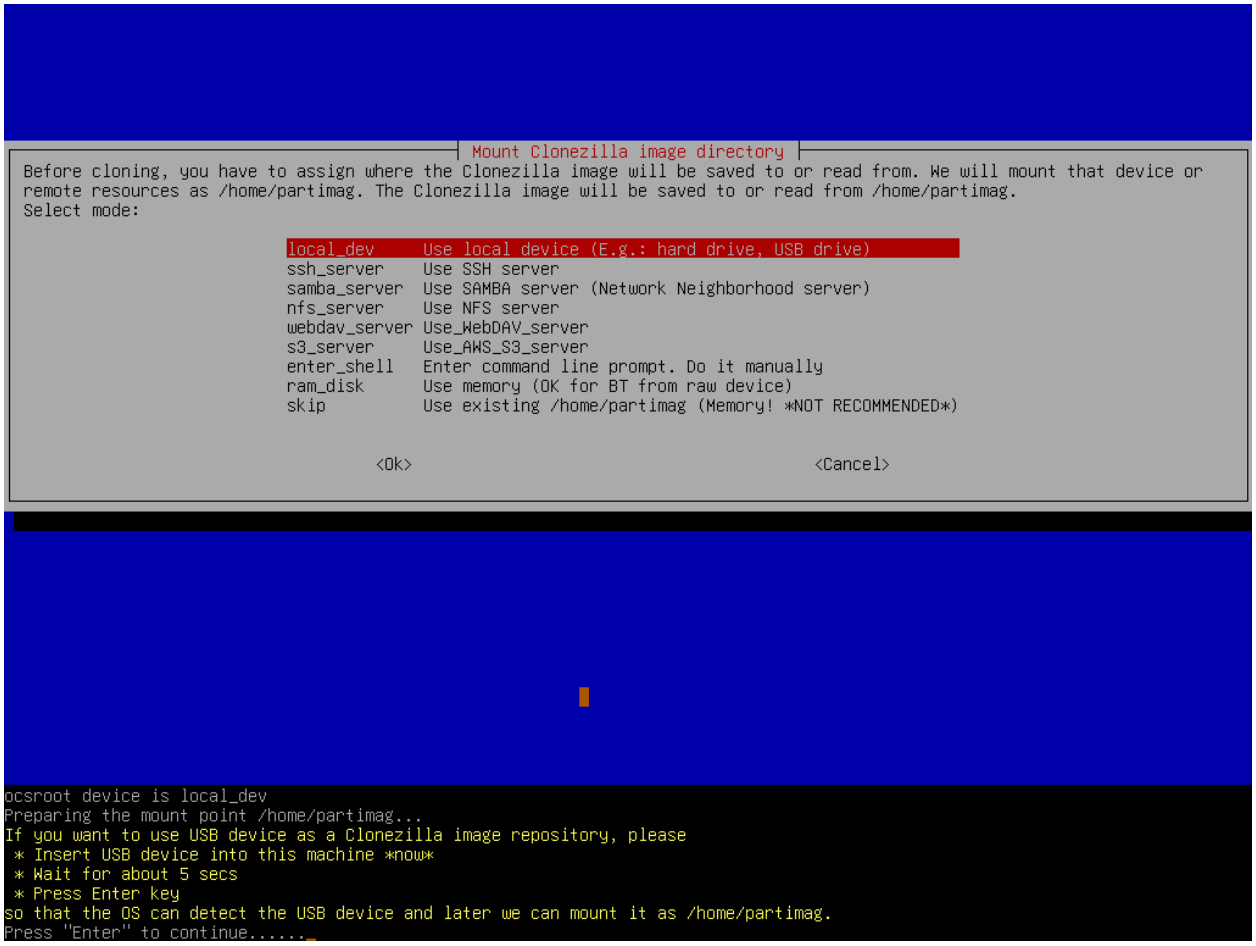
Step 8: Select device-image …. And press Enter to continue



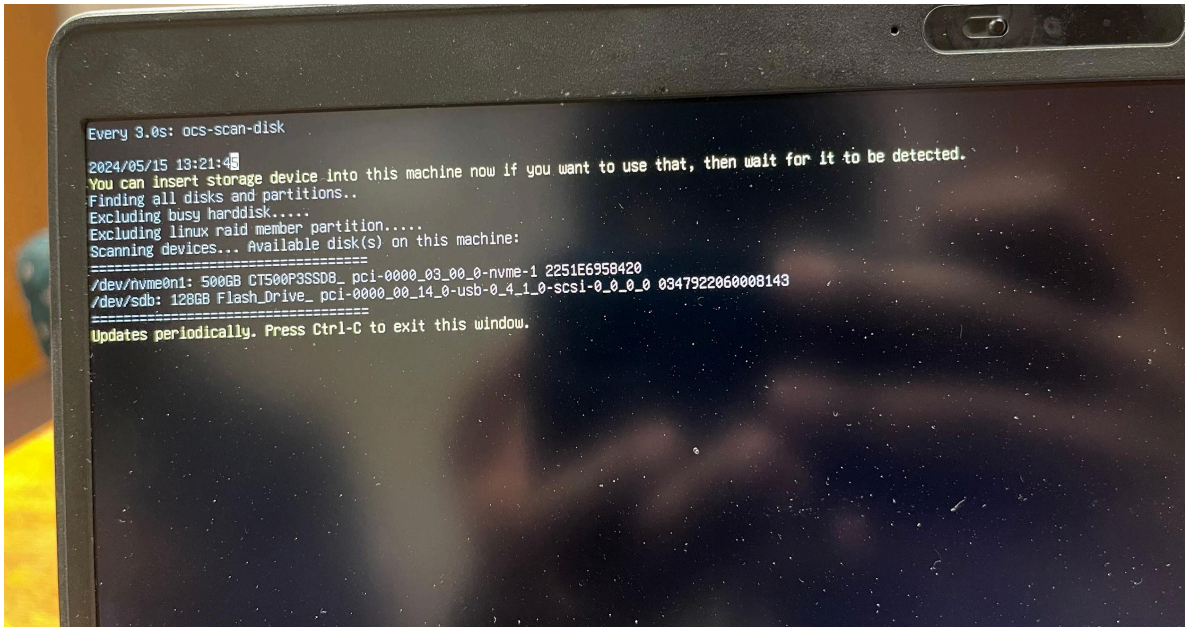
Step 9 : Select local_dev and press Enter to continue



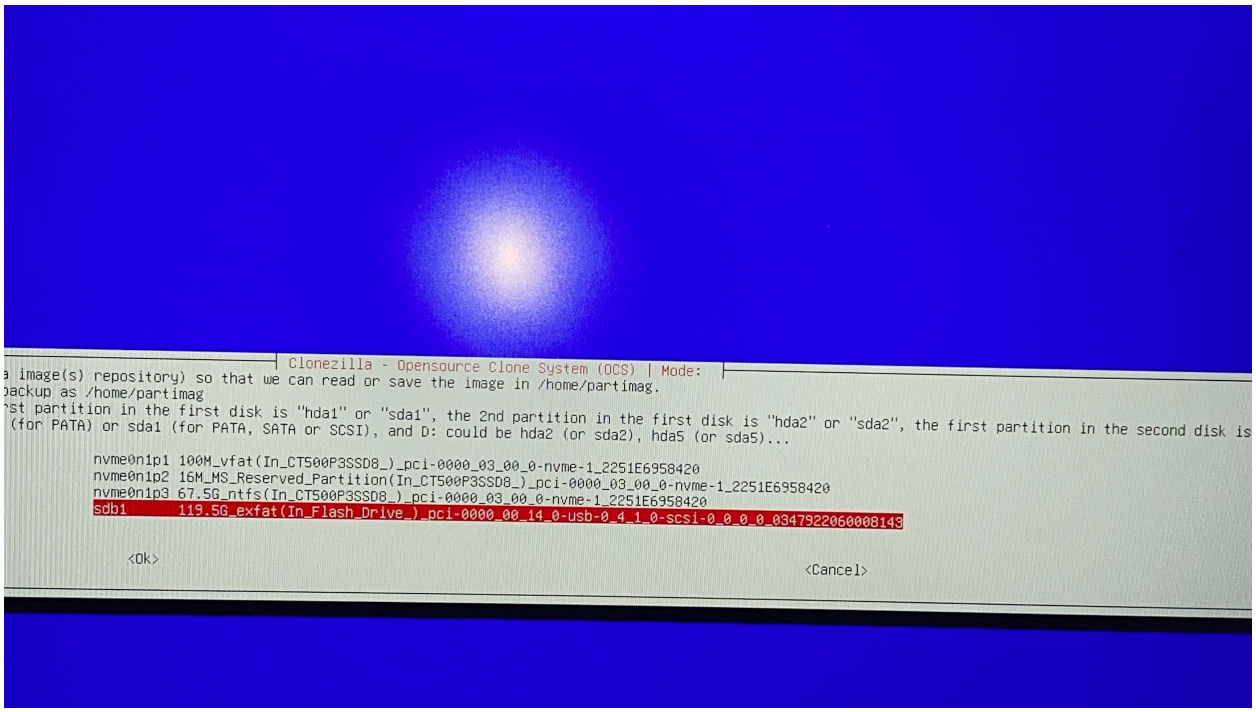
Step 10: Select local_dev and press Enter to continue



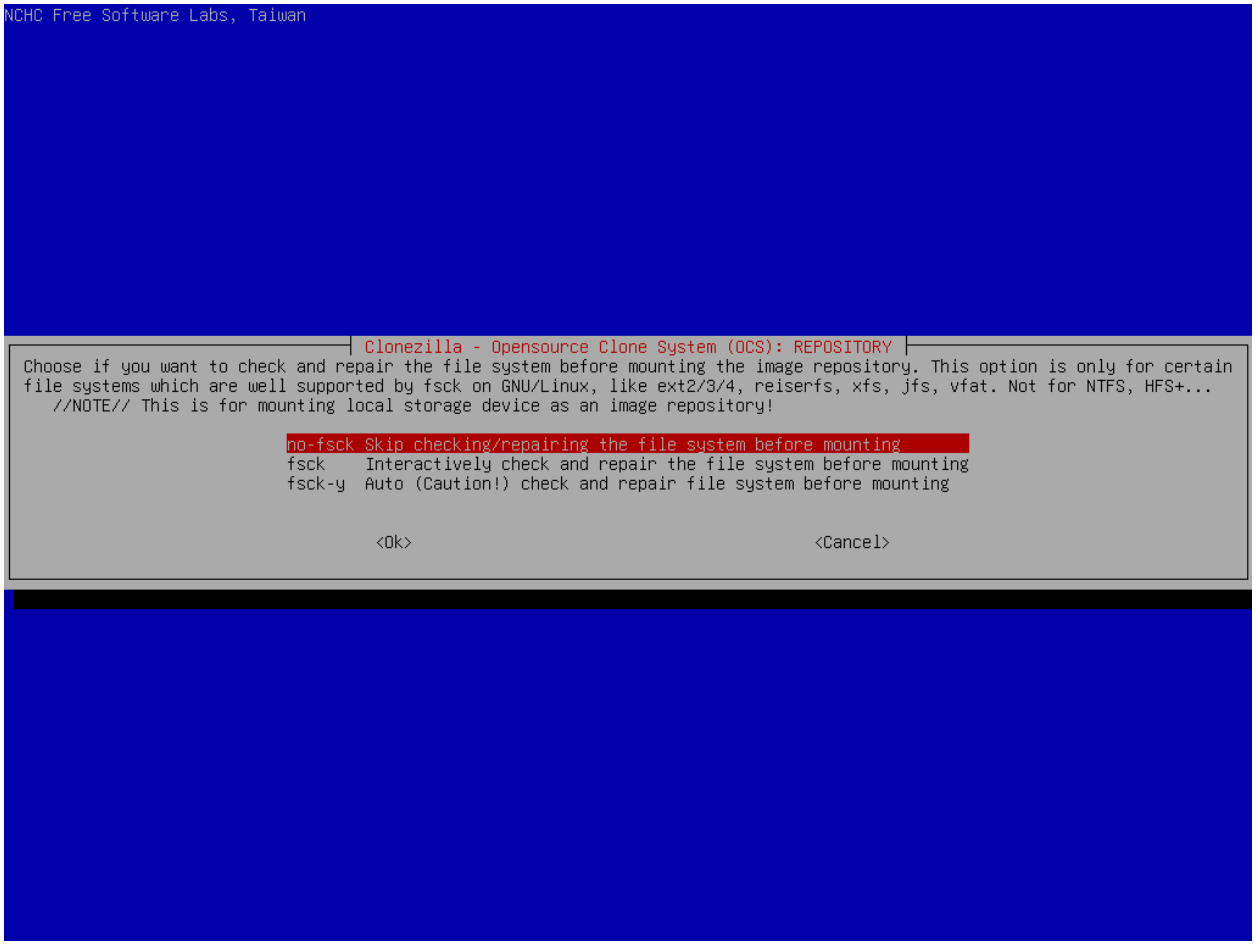
Step 11: Please plugin your sd card and make sure you have your flash card displayed on the screen… see screen below . Then Ctrl-c to exit



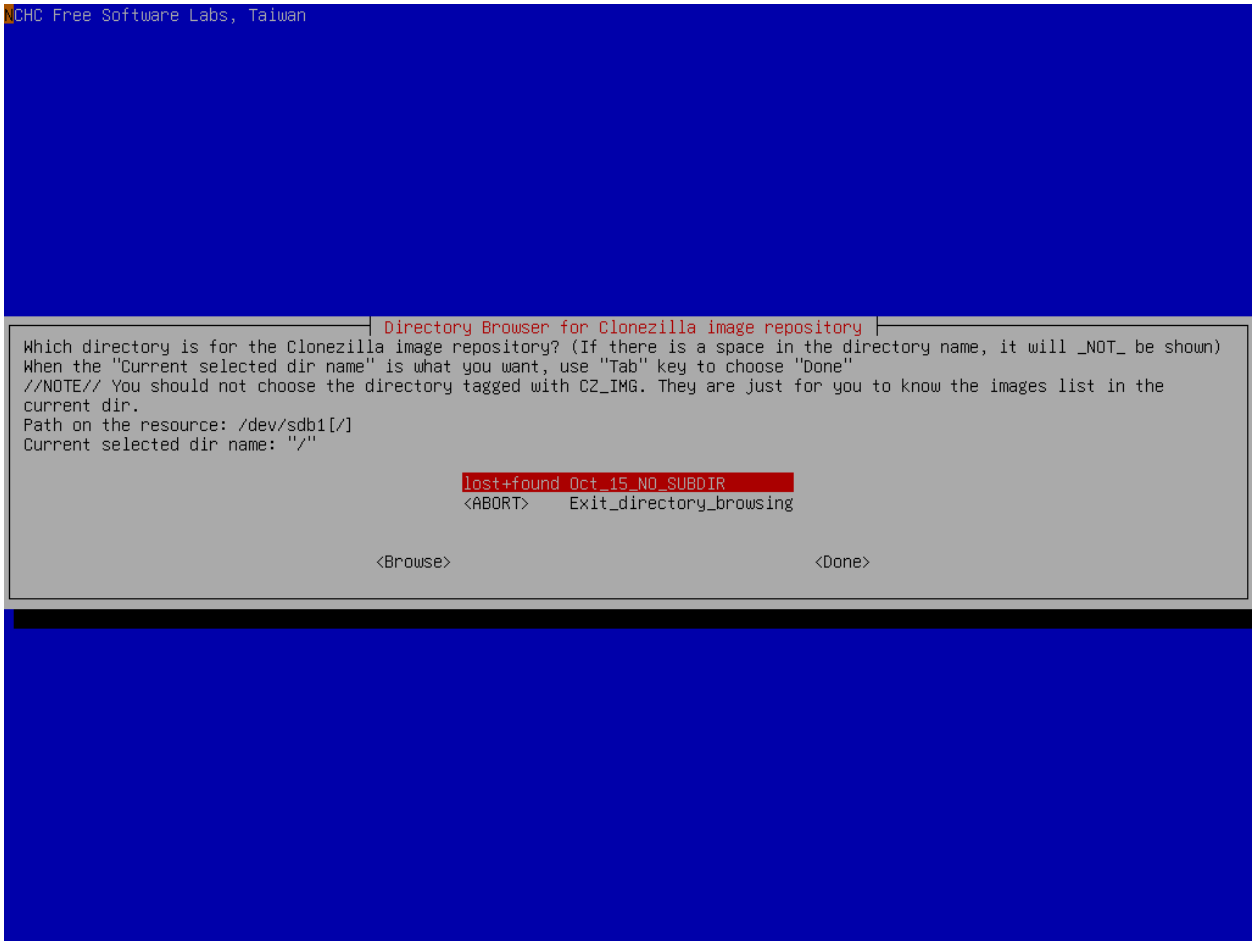
Step 12: Scroll down to Sdb flash drive and press enter



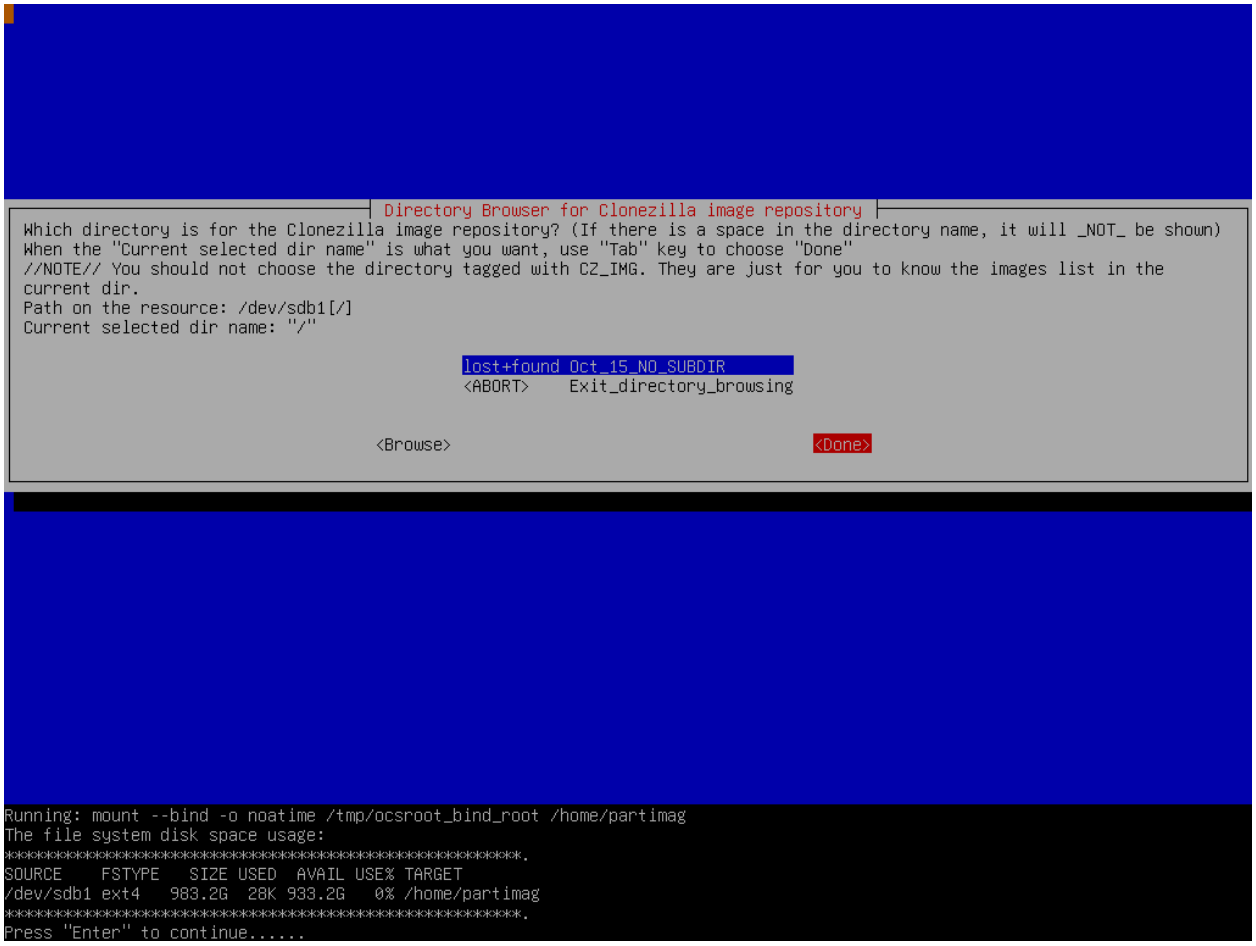
Step13: Select non-fsck Skip checking/repairing the file ….. And press Enter to continue



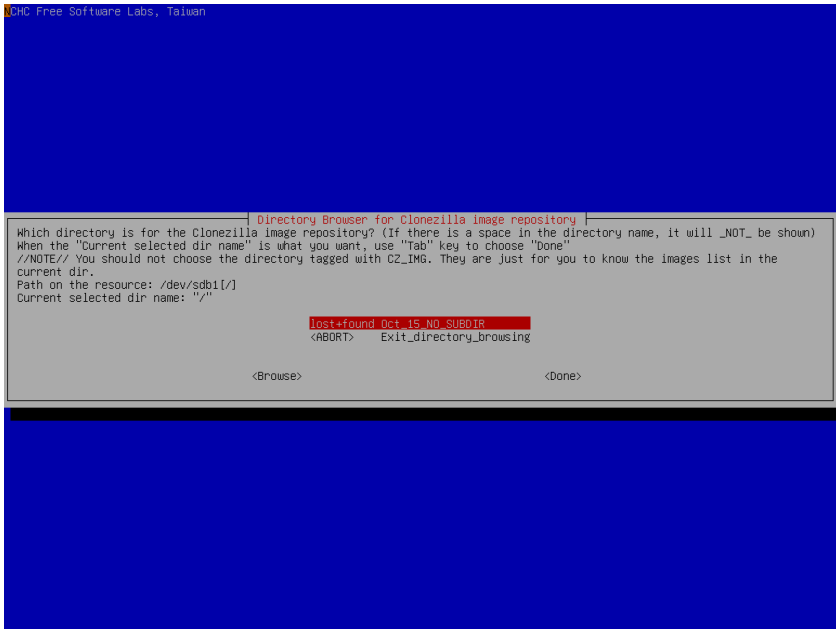
Step 14: Please select your disc and press Enter to continue



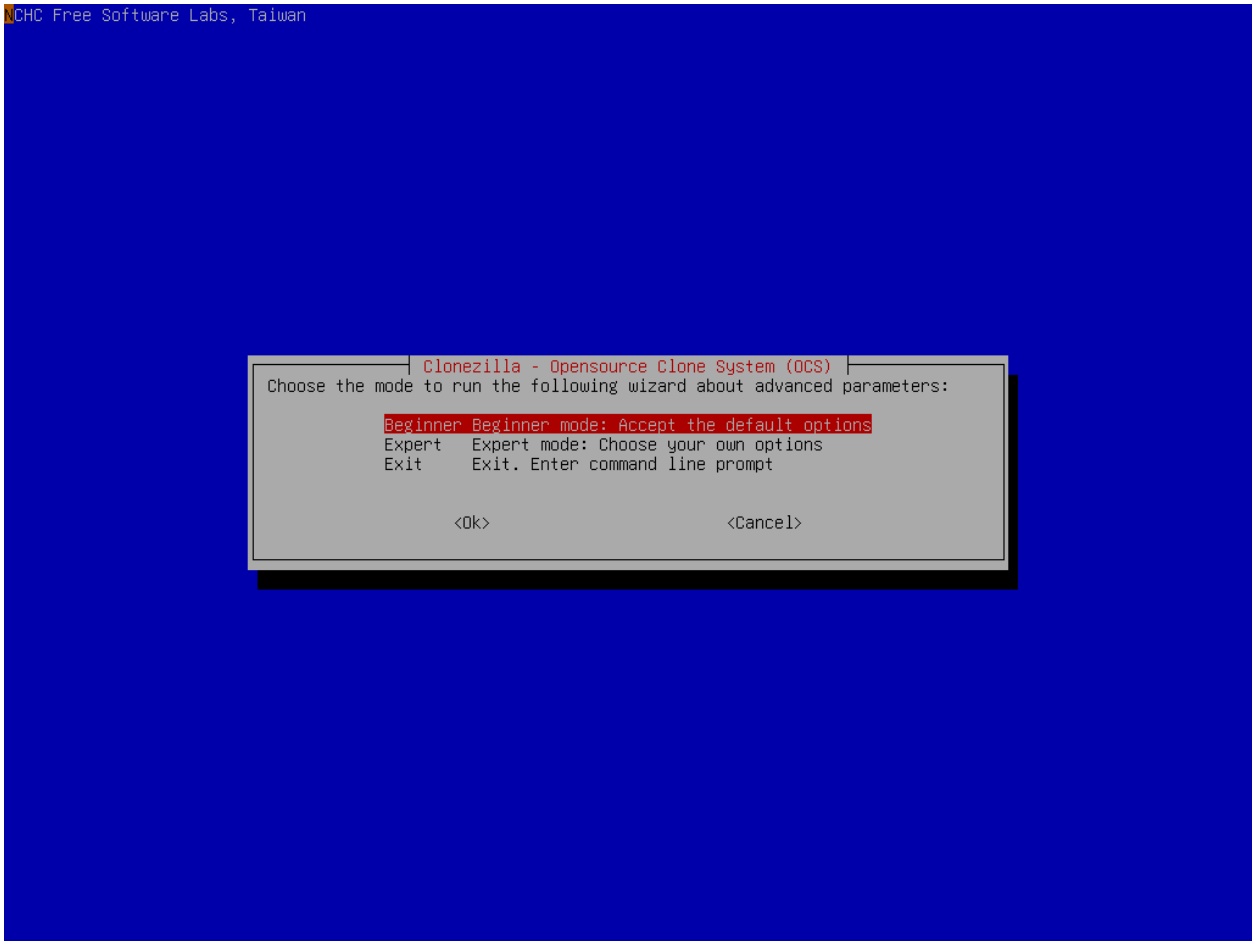
Step 15: Press enter to continue



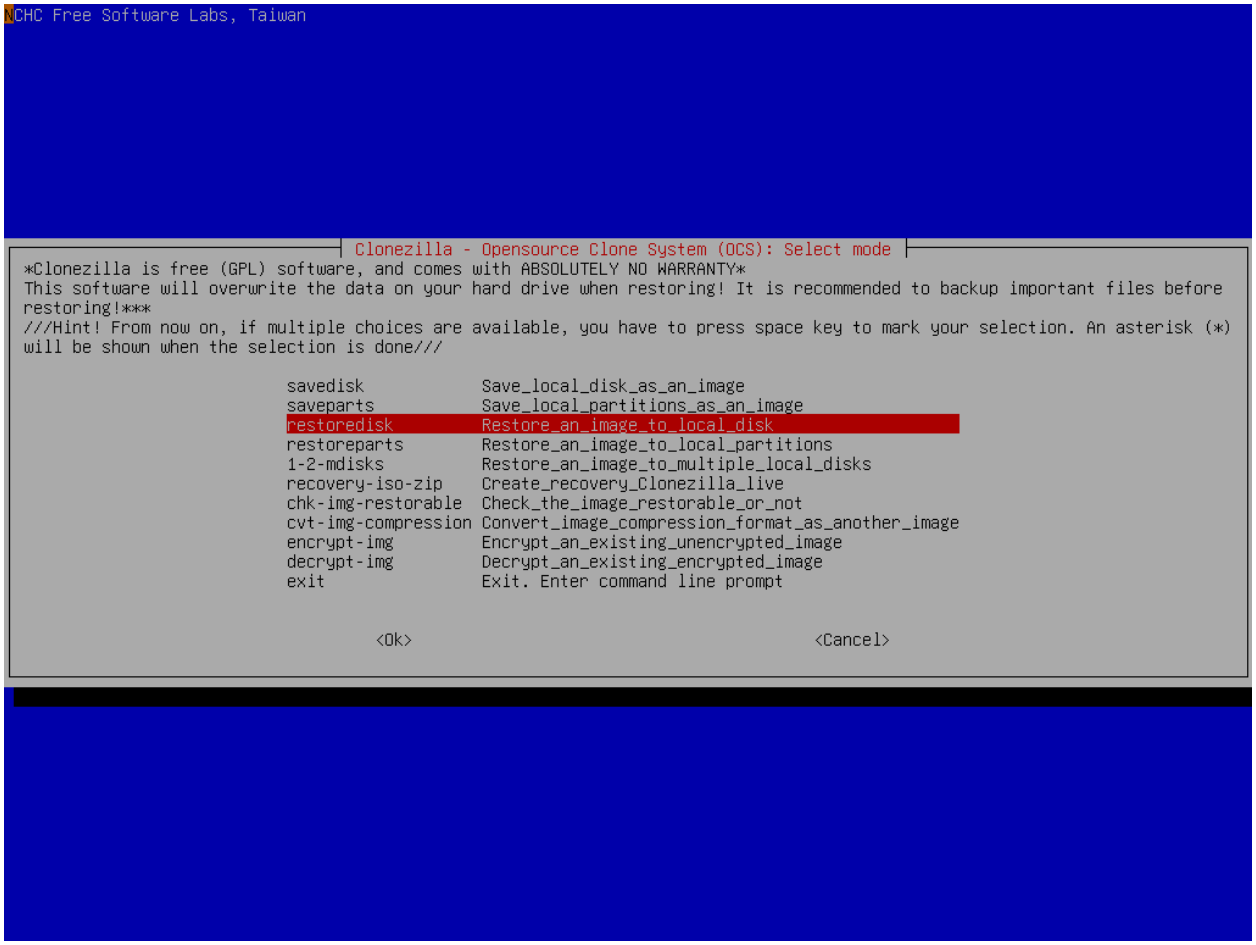
Step 16: Press/Tap done to continue and press continue on the next screen



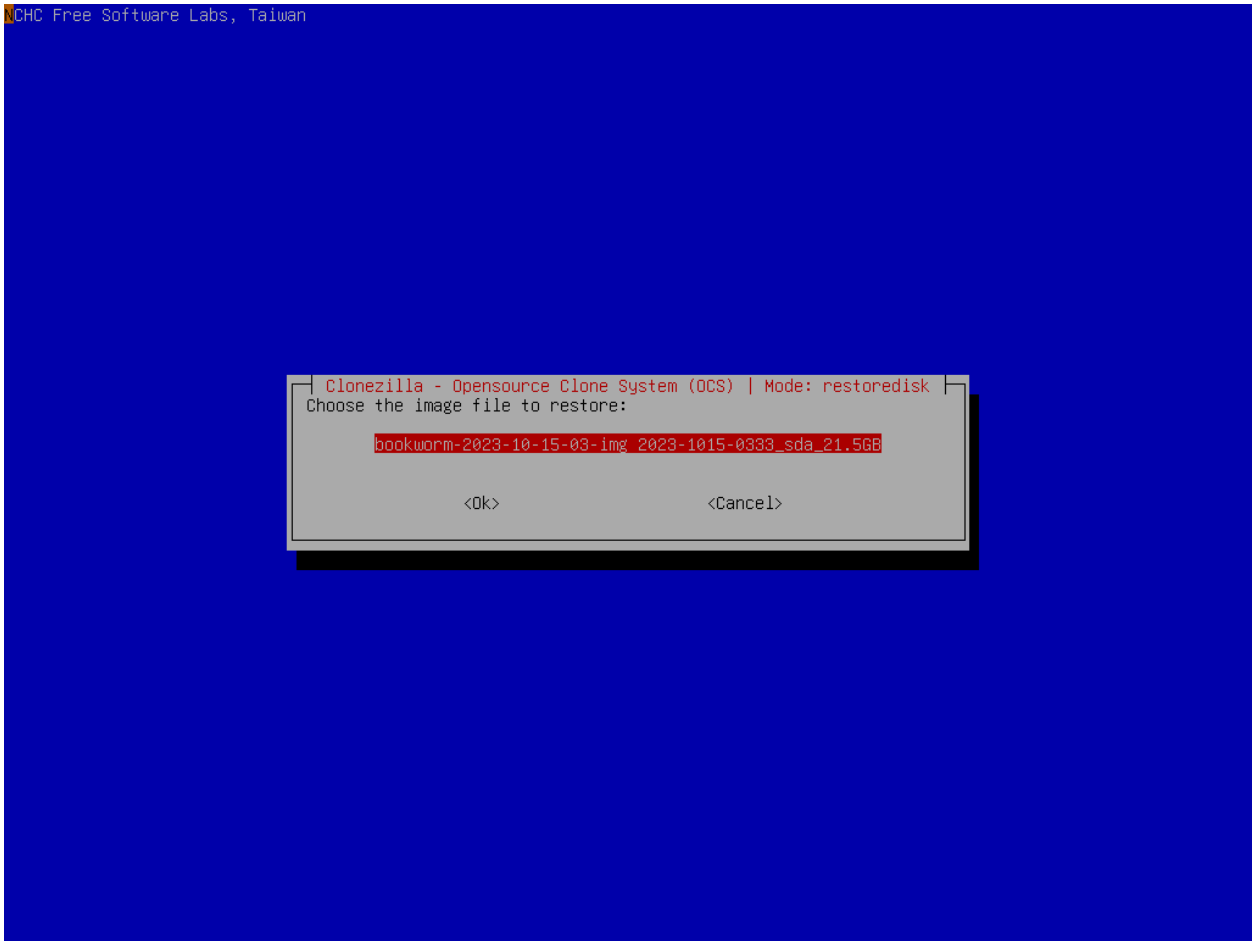
Step 17: Click on Beginner



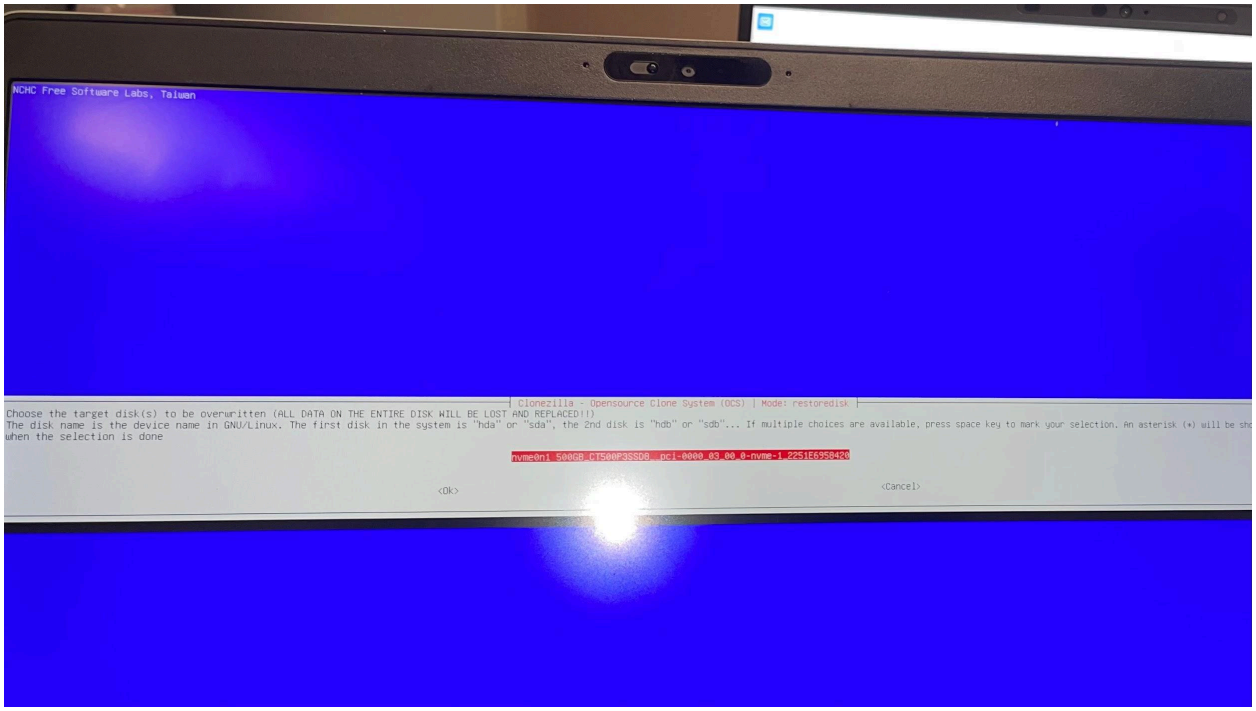
Step 18:Select restore disk and press enter continue



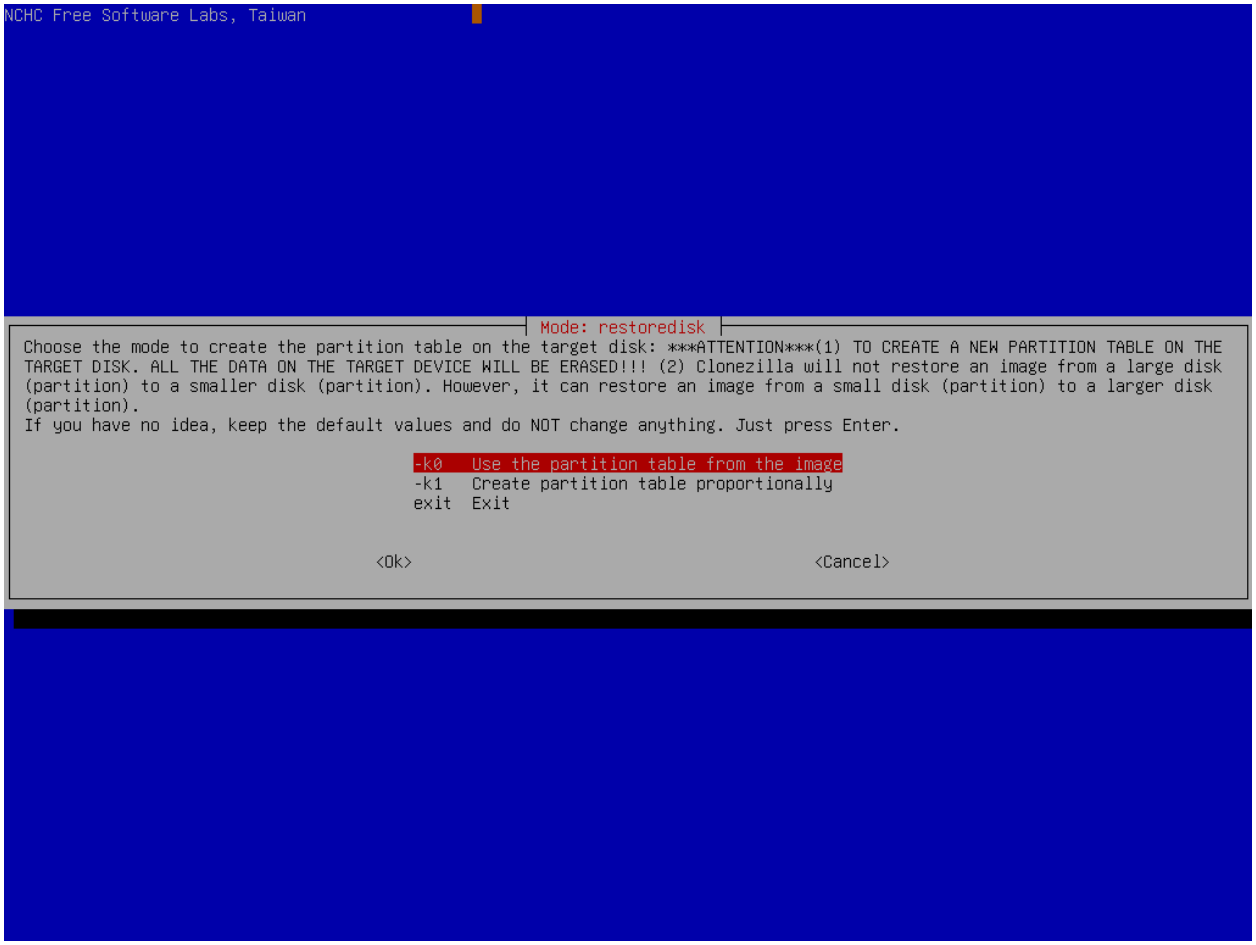
Step 19:Choose the Clonezilla live image as source image



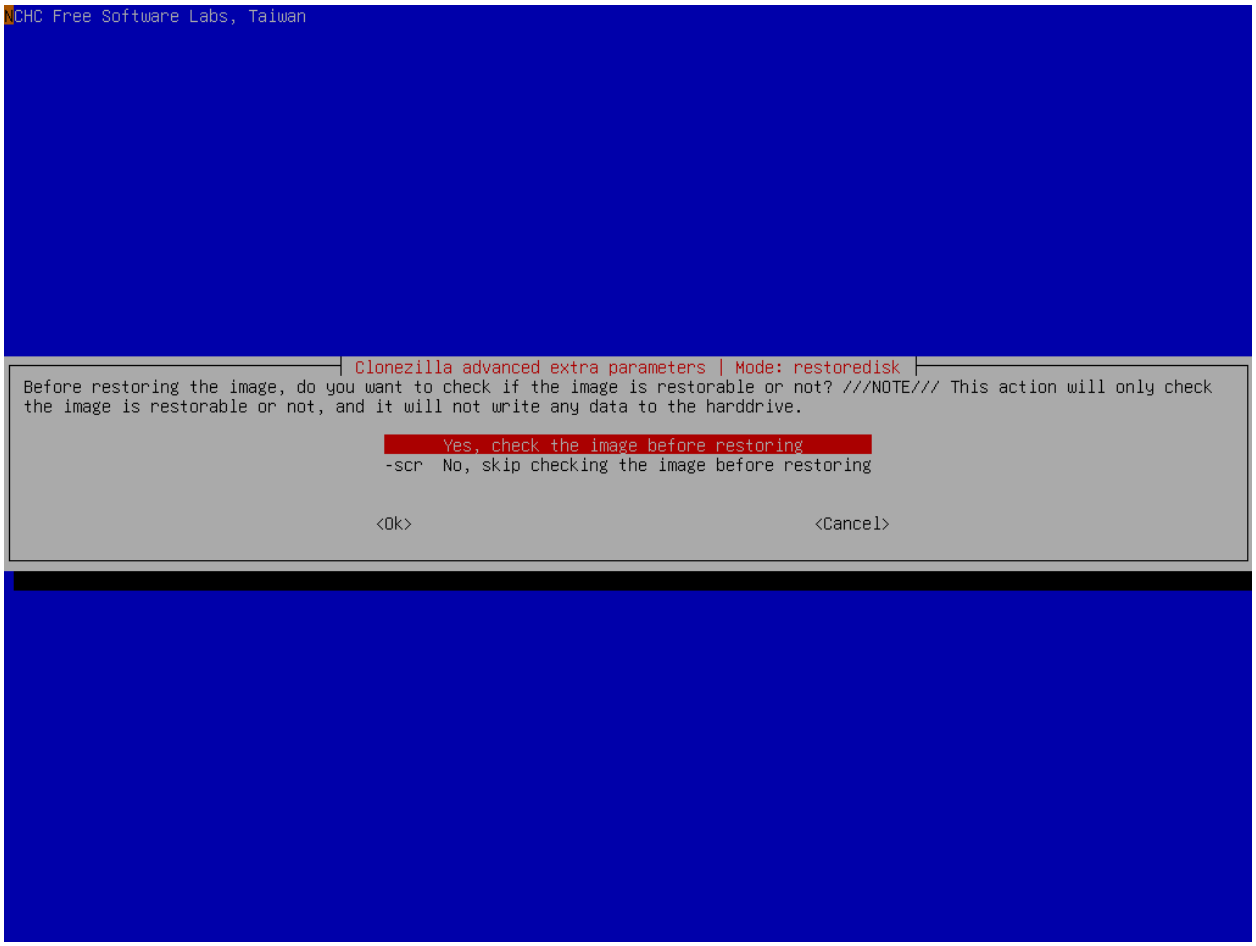
Step 20: Press Tap to select your drive and ‘OK’ to continue to the next page



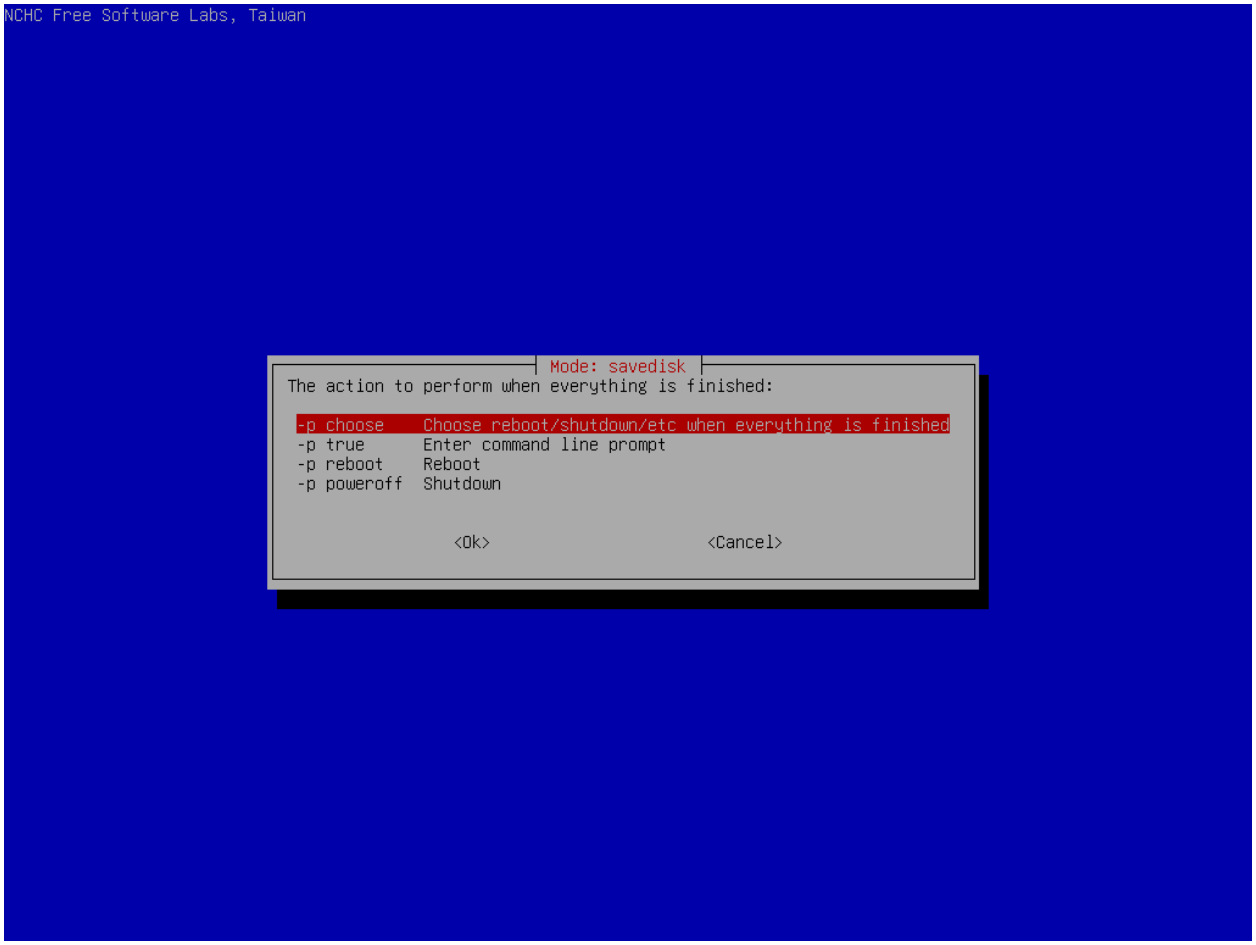
Step 21:Select -k10->use the partition table from the image and press Enter to continue



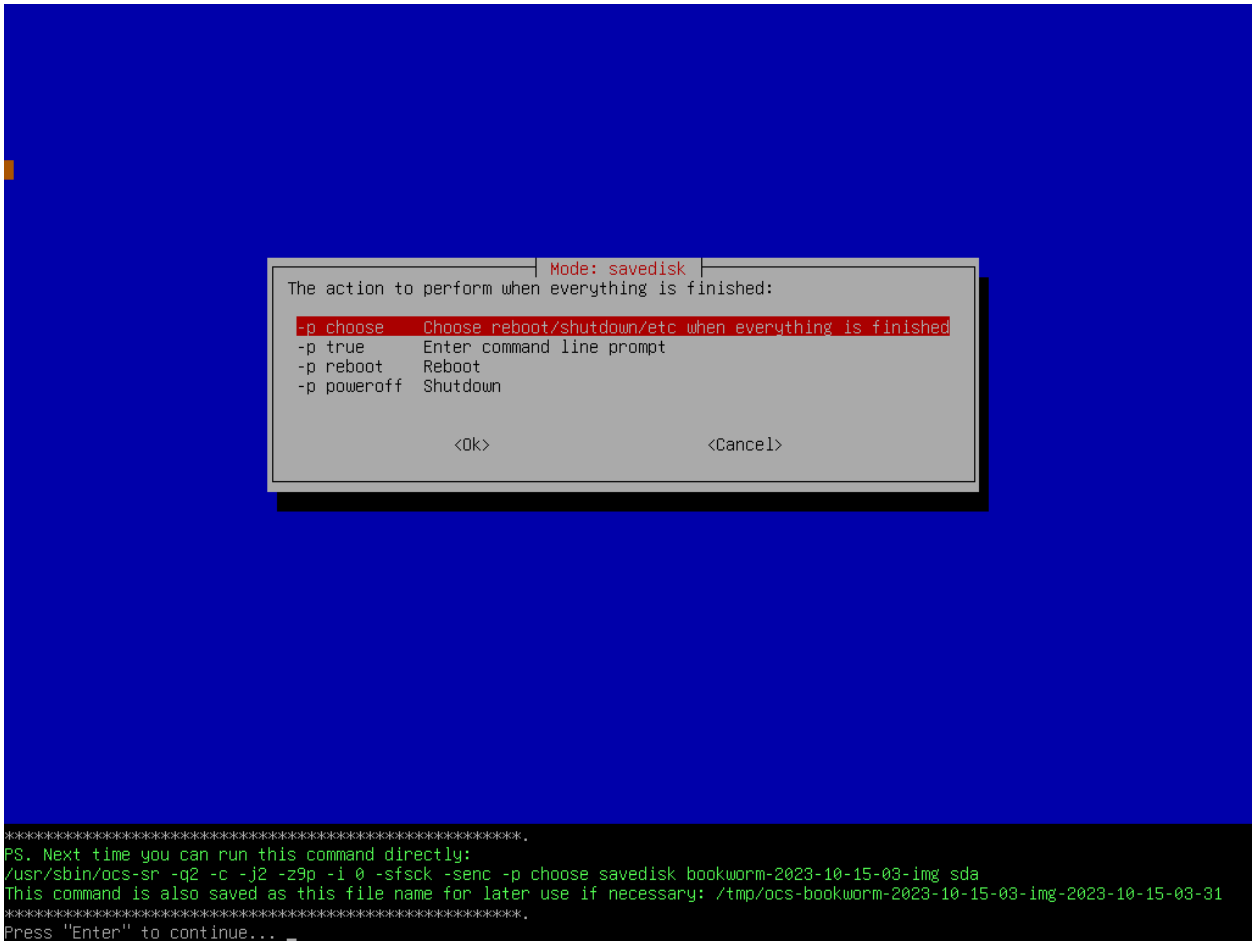
Step 22: choose yes and press Enter to continue



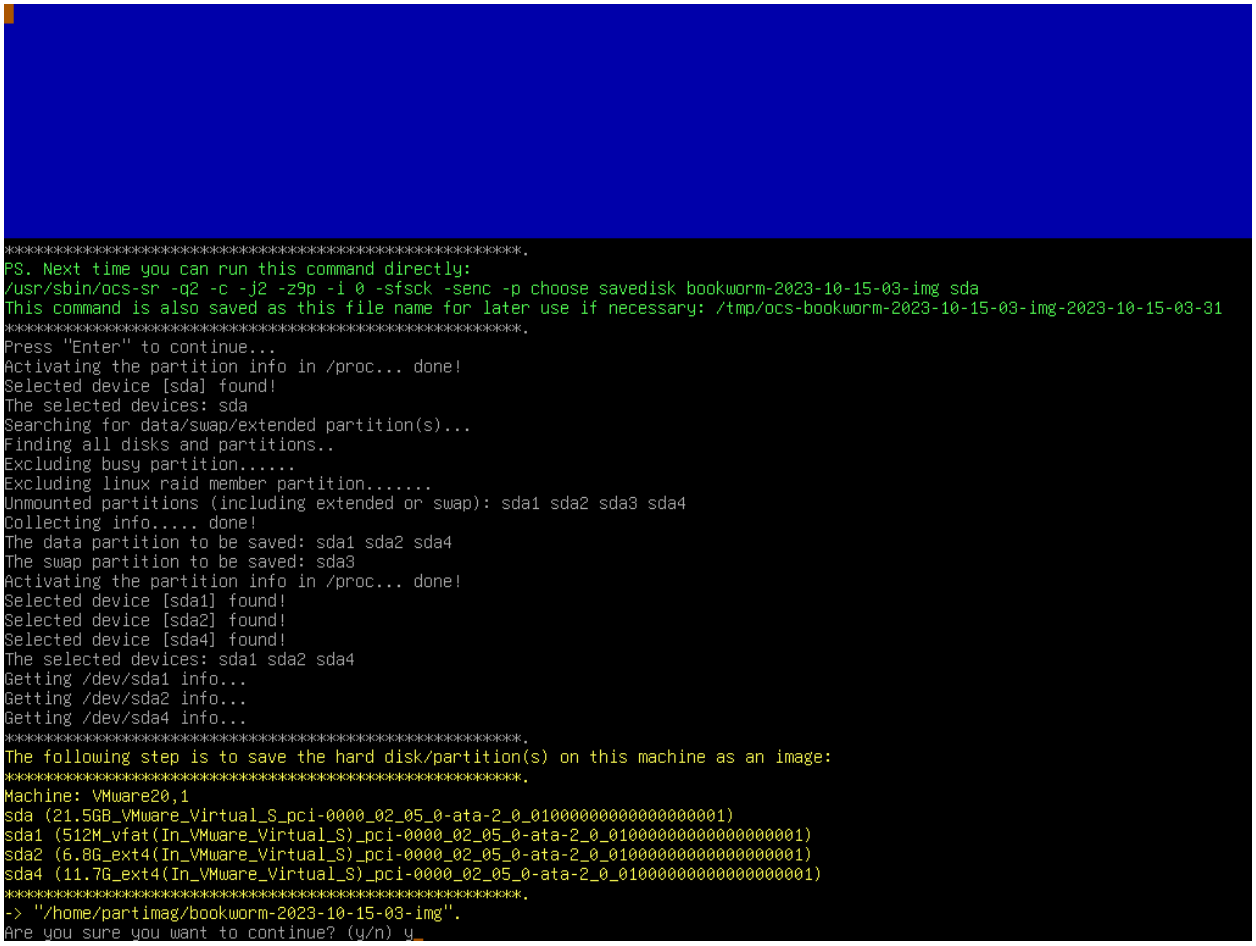
Step 23: Select choose reboot/shutdown/etc and press Enter to continue



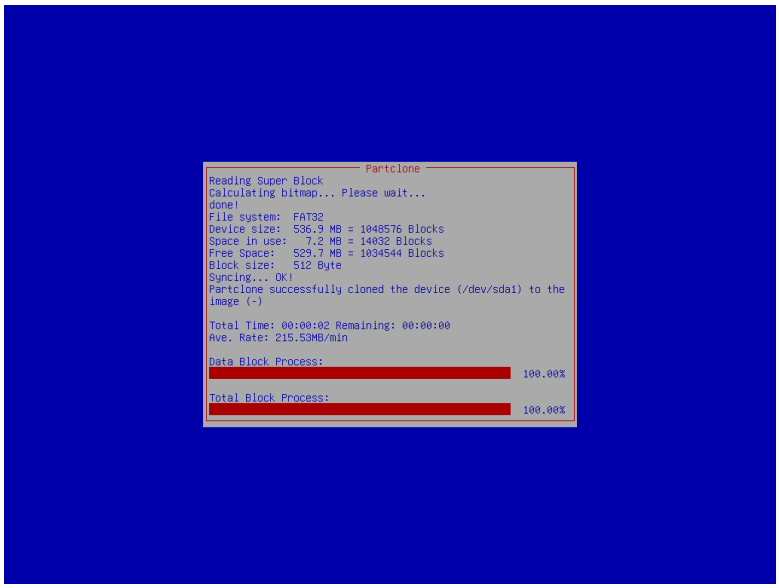
Step 24 : Press Enter to continue…

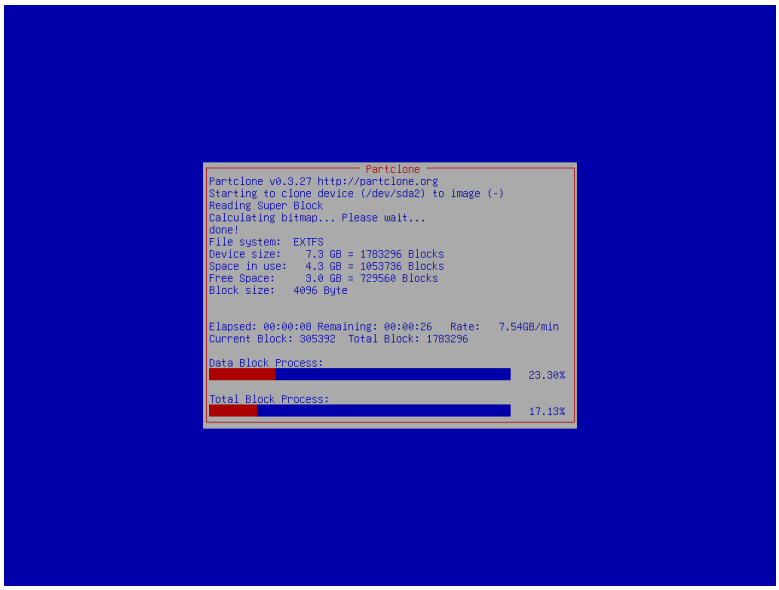


Step 25: Please type Yes or Y to continue

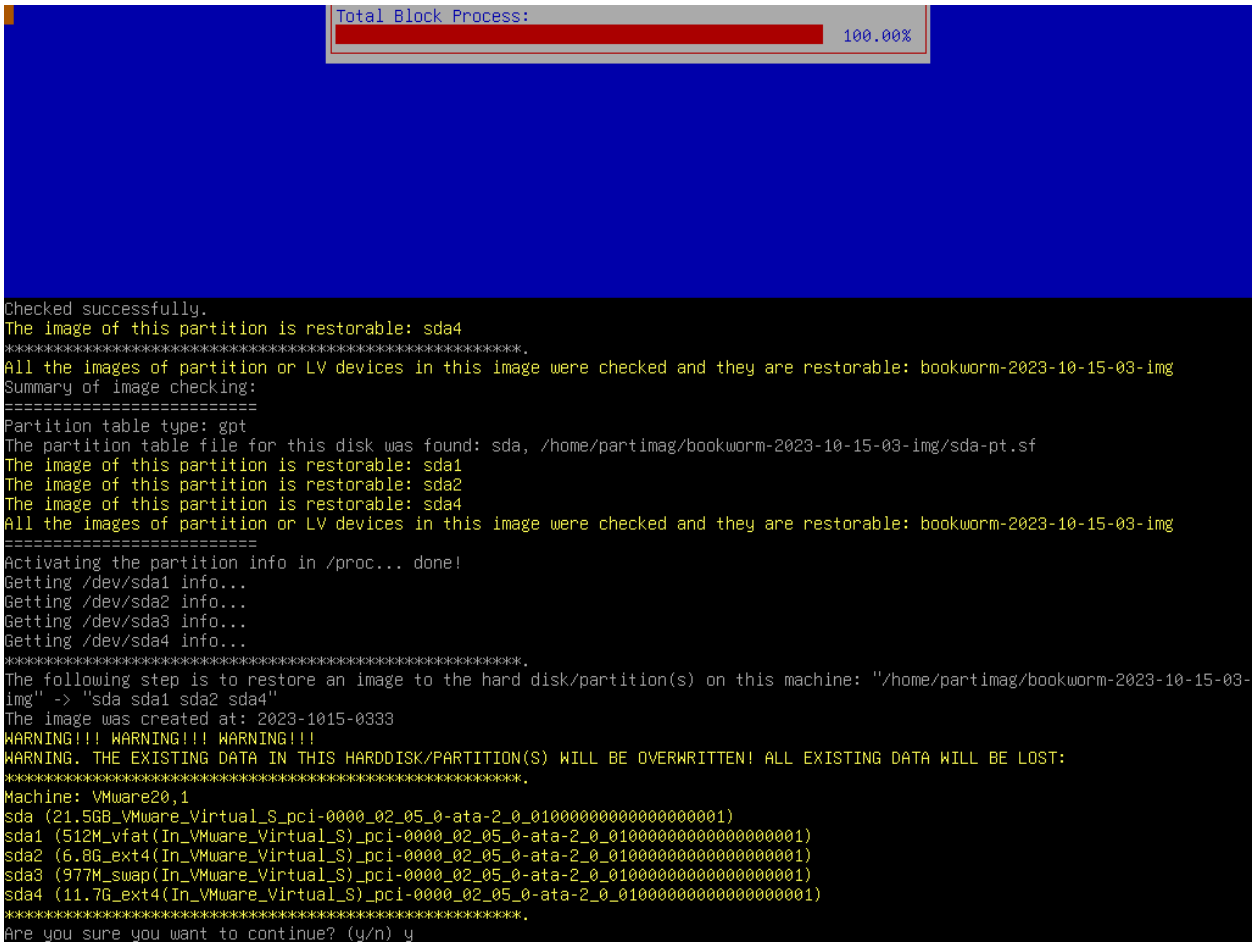


Step 26: Since we have chosen to check the image before restoring, Clonezilla will is now checking the image:





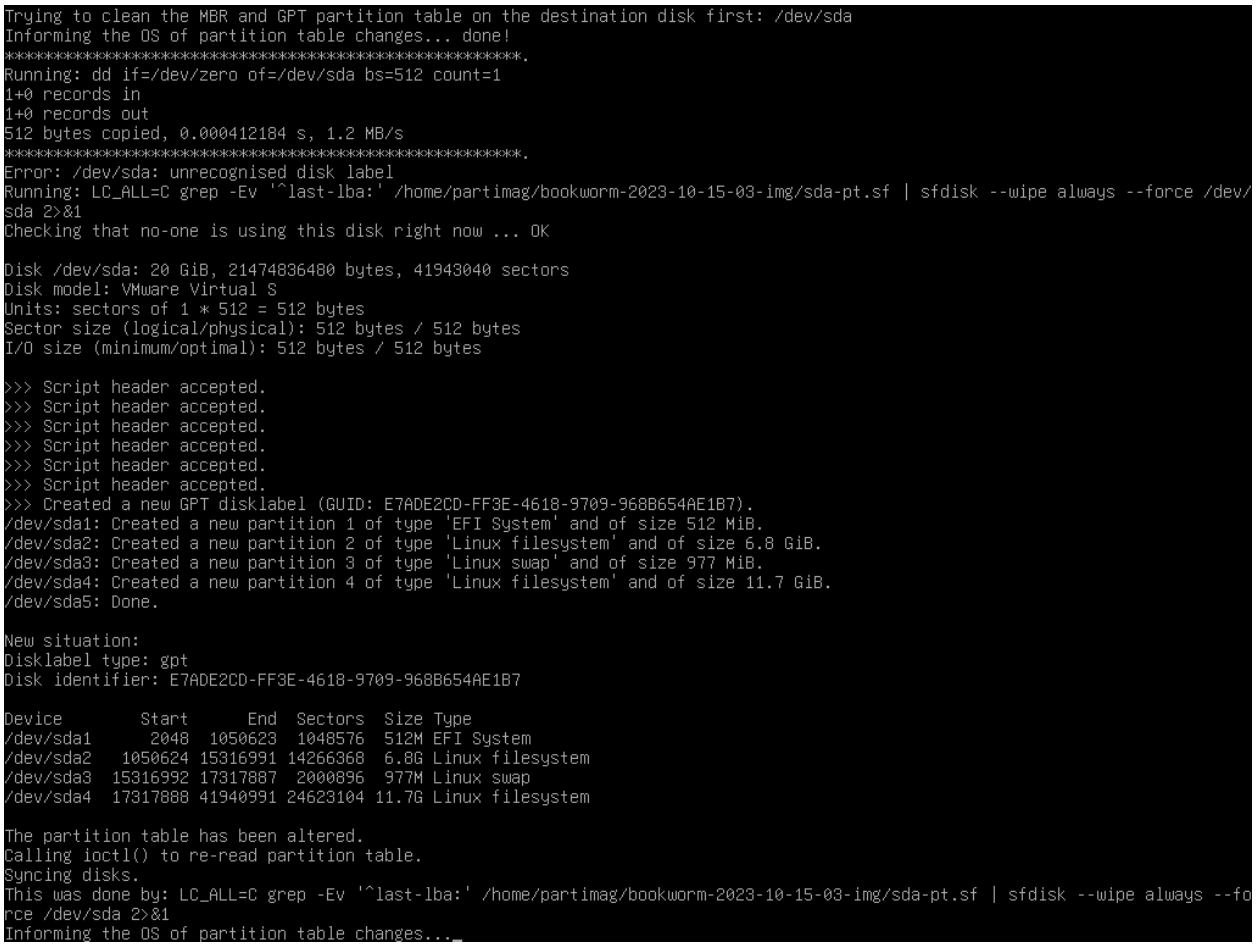
Before starting to restore the disk image to disk sda, Clonezilla will ask you to confirm that TWICE:

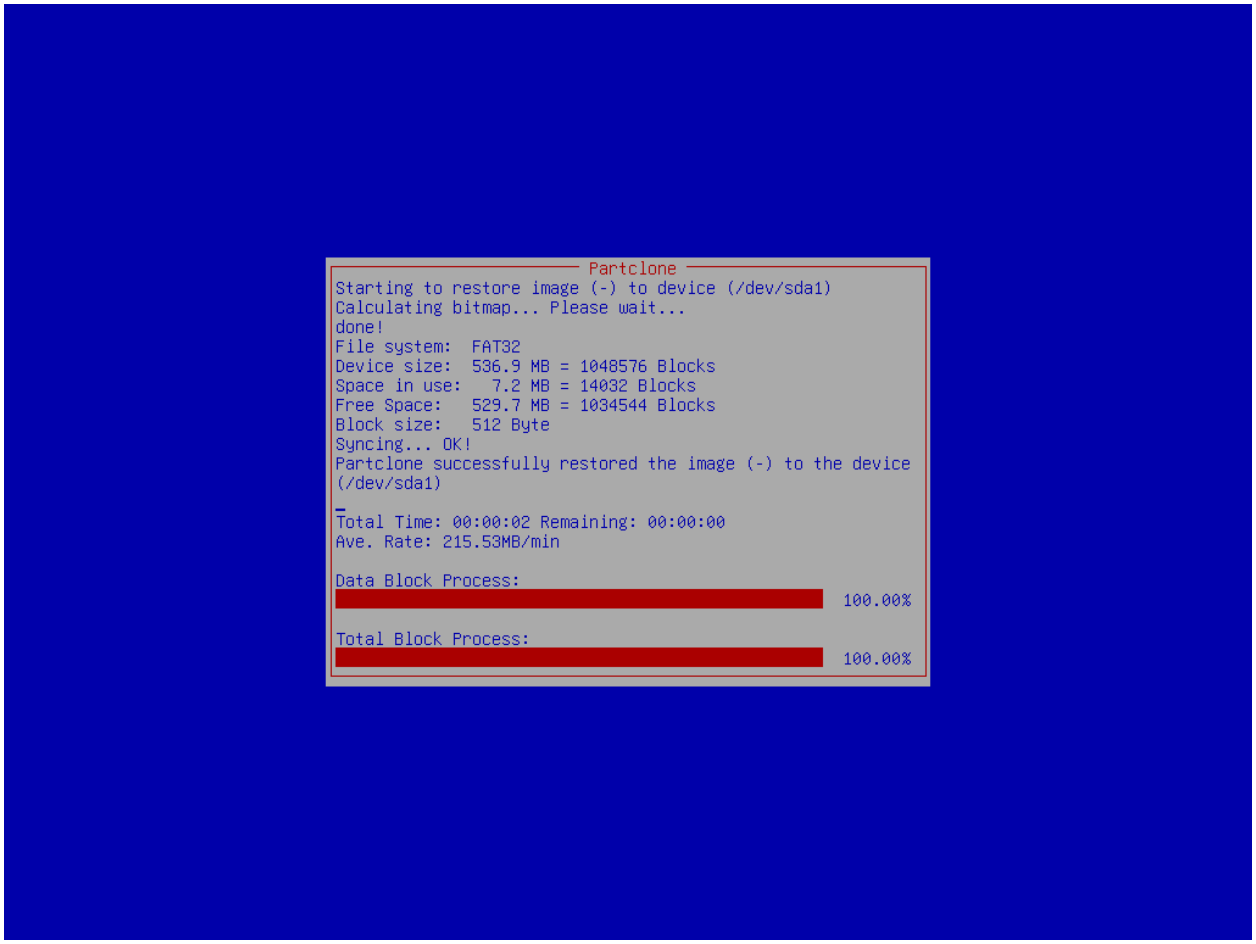


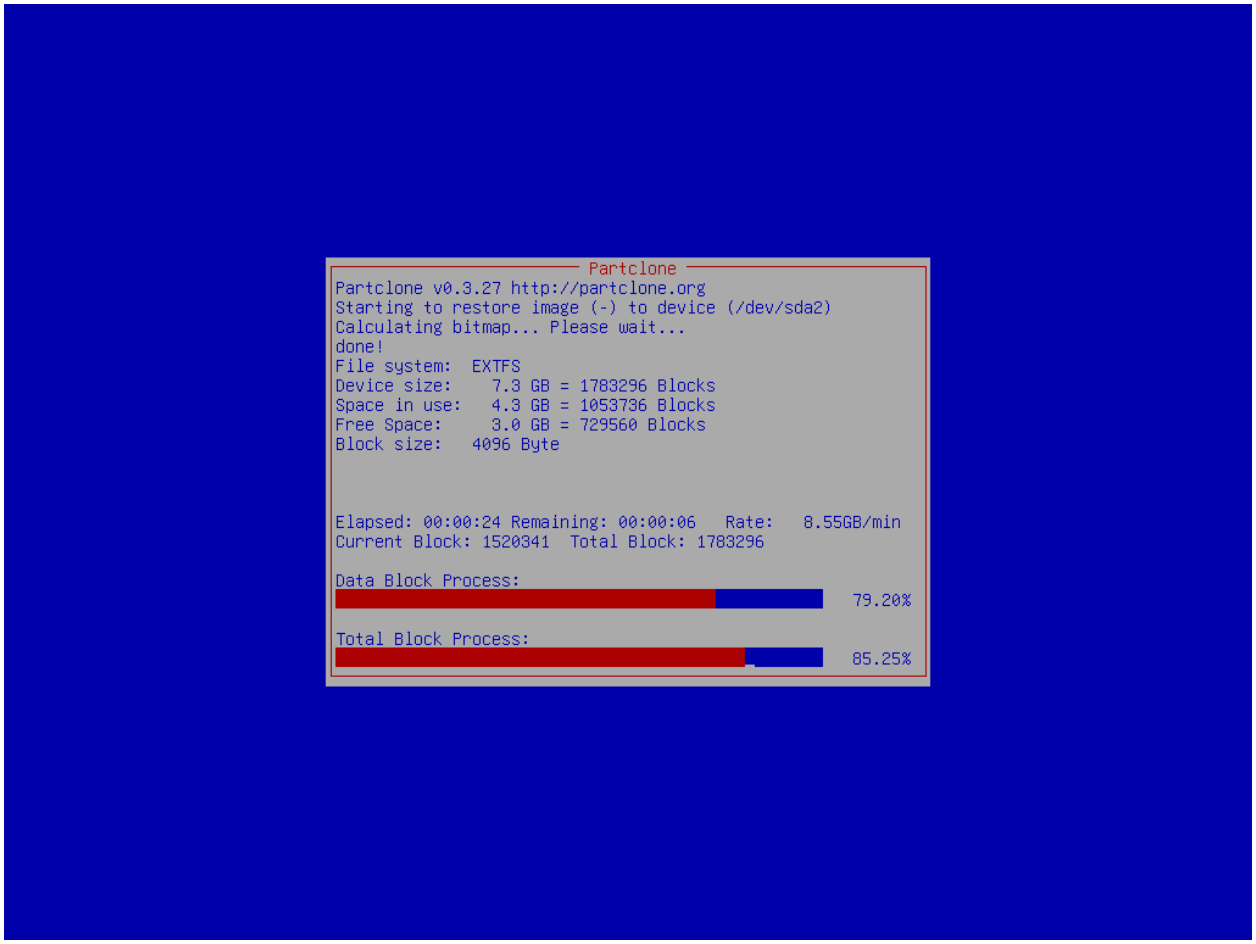
```
All the images of partition or LV devices in this image were checked and they are restorable: bookworm-2023-10-15-03-img
Summary of image checking:
==========================
Partition table type: gpt
The partition table file for this disk was found: sda, /home/partimag/bookworm-2023-10-15-03-img/sda-pt.sf
The image of this partition is restorable: sda1
The image of this partition is restorable: sda2
The image of this partition is restorable: sda4
All the images of partition or LV devices in this image were checked and they are restorable: bookworm-2023-10-15-03-img
==========================
Activating the partition info in /proc... done!
Getting /dev/sda1 info...
Getting /dev/sda2 info...
Getting /dev/sda3 info...
Getting /dev/sda4 info...
************************************************************.
The following step is to restore an image to the hard disk/partition(s) on this machine: "/home/partimag/bookworm-2023-10-15-03-
img" -> "sda sda1 sda2 sda4"
The image was created at: 2023-1015-0333
WARNING!!! WARNING!!! WARNING!!!
WARNING. THE EXISTING DATA IN THIS HARDDISK/PARTITION(S) WILL BE OVERWRITTEN! ALL EXISTING DATA WILL BE LOST:
************************************************************.
Machine: VMware20,1
sda (21.5GB_VMware_Virtual_S_pci-0000_02_05_0-ata-2_0_01000000000000000001)
sda1 (512M_vfat(In_VMware_Virtual_S)_pci-0000_02_05_0-ata-2_0_01000000000000000001)
sda2 (6.8G_ext4(In_VMware_Virtual_S)_pci-0000_02_05_0-ata-2_0_01000000000000000001)
sda3 (977M_swap(In_VMware_Virtual_S)_pci-0000_02_05_0-ata-2_0_01000000000000000001)
sda4 (11.7G_ext4(In_VMware_Virtual_S)_pci-0000_02_05_0-ata-2_0_01000000000000000001)
************************************************************.
Are you sure you want to continue? (y/n) y
OK, let's do it!!
This program is not started by clonezilla server.
************************************************************.
Let me ask you again.
The following step is to restore an image to the hard disk/partition(s) on this machine: "/home/partimag/bookworm-2023-10-15-03-
img" -> "sda sda1 sda2 sda4"
The image was created at: 2023-1015-0333
WARNING!!! WARNING!!! WARNING!!!
WARNING. THE EXISTING DATA IN THIS HARDDISK/PARTITION(S) WILL BE OVERWRITTEN! ALL EXISTING DATA WILL BE LOST:
************************************************************.
Machine: VMware20,1
sda (21.5GB_VMware_Virtual_S_pci-0000_02_05_0-ata-2_0_01000000000000000001)
sda1 (512M_vfat(In_VMware_Virtual_S)_pci-0000_02_05_0-ata-2_0_01000000000000000001)
sda2 (6.8G_ext4(In_VMware_Virtual_S)_pci-0000_02_05_0-ata-2_0_01000000000000000001)
sda3 (977M_swap(In_VMware_Virtual_S)_pci-0000_02_05_0-ata-2_0_01000000000000000001)
sda4 (11.7G_ext4(In_VMware_Virtual_S)_pci-0000_02_05_0-ata-2_0_01000000000000000001)
************************************************************.
Are you sure you want to continue? (y/n) y
```

Clonezilla now is restoring the selected disk image to 1st disk (sda). The job is done by restoring:

- MBR (by dd), and Boot loader (by grub)
- Partition table (by sfdisk).
- Data on every partition or LV (logical volume) (by partimage, ntfsclone, partclone or dd. It depends on the image of each partition or LV.)




Partclone
Starting to restore image (-) to device (/dev/sda1)
Calculating bitmap... Please wait...
done!
File system: FAT32
Device size: 536.9 MB = 1048576 Blocks
Space in use: 7.2 MB = 14032 Blocks
Free Space: 529.7 MB = 1034544 Blocks
Block size: 512 Byte
Syncing... OK!
Partclone successfully restored the image (-) to the device
(/dev/sda1)
Total Time: 00:00:02 Remaining: 00:00:00
Ave. Rate: 215.53MB/min
Data Block Process:
100.00%
Total Block Process:
100.00%



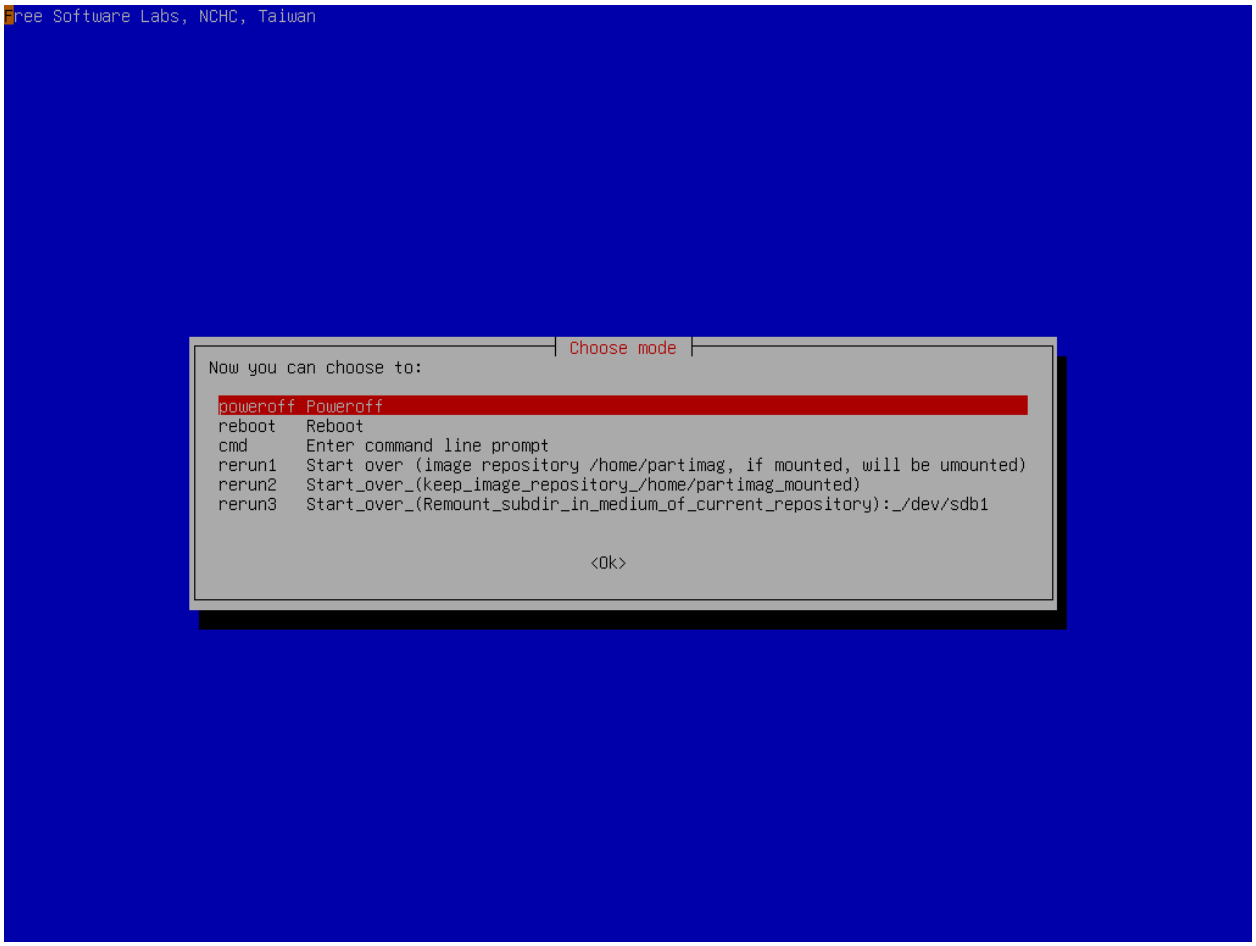
Step 27: When everything is done, Clonezilla will prompt you if you want to run it again (when something goes wrong or you want to choose different options),

1. 'Stay in this console (console 1), enter command line prompt'
2. 'Run command "exit" or "logout"'

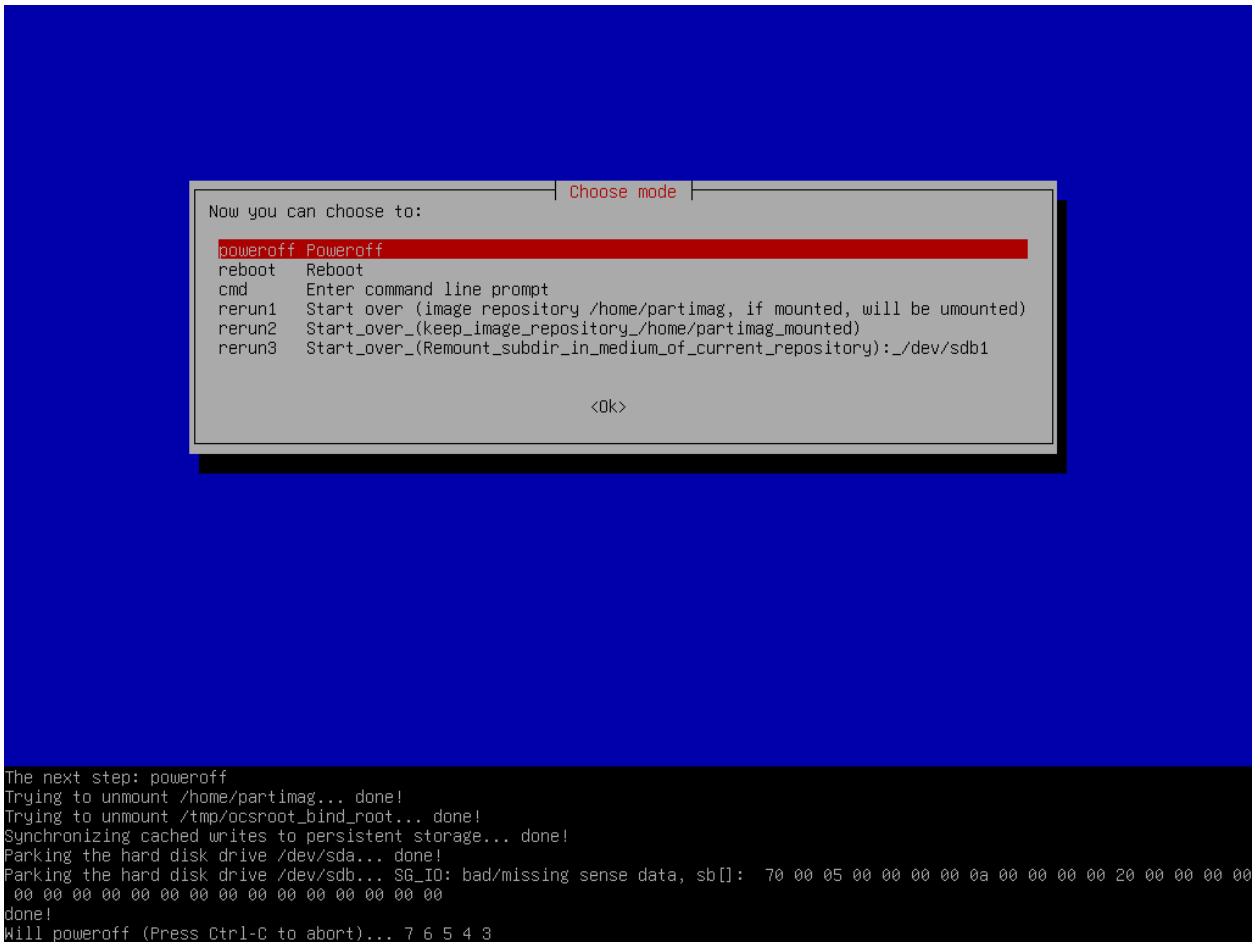
```
W: Possible missing firmware /lib/firmware/rtl_nic/rtl8153a-3.fw for module r8152
W: Possible missing firmware /lib/firmware/rtl_nic/rtl8153a-2.fw for module r8152
W: Possible missing firmware /lib/firmware/bnx2x/bnx2x-e2-7.13.15.0.fw for module bnx2x
W: Possible missing firmware /lib/firmware/bnx2x/bnx2x-e1h-7.13.15.0.fw for module bnx2x
W: Possible missing firmware /lib/firmware/bnx2x/bnx2x-e1-7.13.15.0.fw for module bnx2x
W: Possible missing firmware /lib/firmware/bnx2x/bnx2x-e2-7.13.21.0.fw for module bnx2x
W: Possible missing firmware /lib/firmware/bnx2x/bnx2x-e1h-7.13.21.0.fw for module bnx2x
W: Possible missing firmware /lib/firmware/bnx2x/bnx2x-e1-7.13.21.0.fw for module bnx2x
W: Possible missing firmware /lib/firmware/bnx2/bnx2-rv2p-09ax-6.0.17.fw for module bnx2
W: Possible missing firmware /lib/firmware/bnx2/bnx2-rv2p-09-6.0.17.fw for module bnx2
W: Possible missing firmware /lib/firmware/bnx2/bnx2-mips-09-6.2.1b.fw for module bnx2
W: Possible missing firmware /lib/firmware/bnx2/bnx2-rv2p-06-6.0.15.fw for module bnx2
W: Possible missing firmware /lib/firmware/bnx2/bnx2-mips-06-6.2.3.fw for module bnx2
done!
************************************************************.
Running: run_ntfsreloc_part -p "sda1 sda2 sda4" auto
The NTFS boot partition was not found or not among the restored partition(s). Skip running partclone.ntfsfixboot.
************************************************************.
Running: update-efi-nvram-boot-entry -r /home/partimag/bookworm-2023-10-15-03-img/efi-nvram.dat -f /tmp/efi_info.u5gWKl /dev/sda
Updating boot entry of EFI NVRAM...
EFI system partition: /dev/sda1
Trying to clean unused uEFI boot entry if it exists...
Found Boot file /EFI/debian/shimx64.efi in partition /dev/sda1.
EFI system partition UUID 8a66b658-0c72-437e-93c0-a37b4fb786ea in EFI NVRAM matches the one on partition /dev/sda1.
No need to update the boot entry of EFI NVRAM.
************************************************************.
Shutting down the Logical Volume Manager
Finished Shutting down the Logical Volume Manager
End of restoreparts job for image bookworm-2023-10-15-03-img.
End of restoredisk job for image bookworm-2023-10-15-03-img.
************************************************************
************************************************************
Checking if udevd rules have to be restored...
This program is not started by Clonezilla server, so skip notifying it the job is done.
Finished!
The mounted bitlocker device was not found. Skip unmounting it.
Now syncing - flush filesystem buffers...
Ending /usr/sbin/ocs-sr at 2023-10-15 05:07:40 UTC...
************************************************************.
If you want to use Clonezilla again:
(1) Stay in this console (console 1), enter command line prompt
(2) Run command "exit" or "logout"
************************************************************.
When everything is done, remember to use 'poweroff', 'reboot' or follow the menu to do a normal poweroff/reboot procedure. Other
wise if the boot media you are using is a writable device (such as USB flash drive), and it's mounted, poweroff/reboot in abnorm
al procedure might make it FAIL to boot next time!
************************************************************.
Press "Enter" to continue..._
```

Step 28: Then you can choose to:

- Poweroff



Step 29: Here we choose Poweroff, and it will countdown 7 secs:



That's all. We have successfully restored the disk.