EECS565 Intro to Computer and Information Security

Mini Project 2

Environment Setup

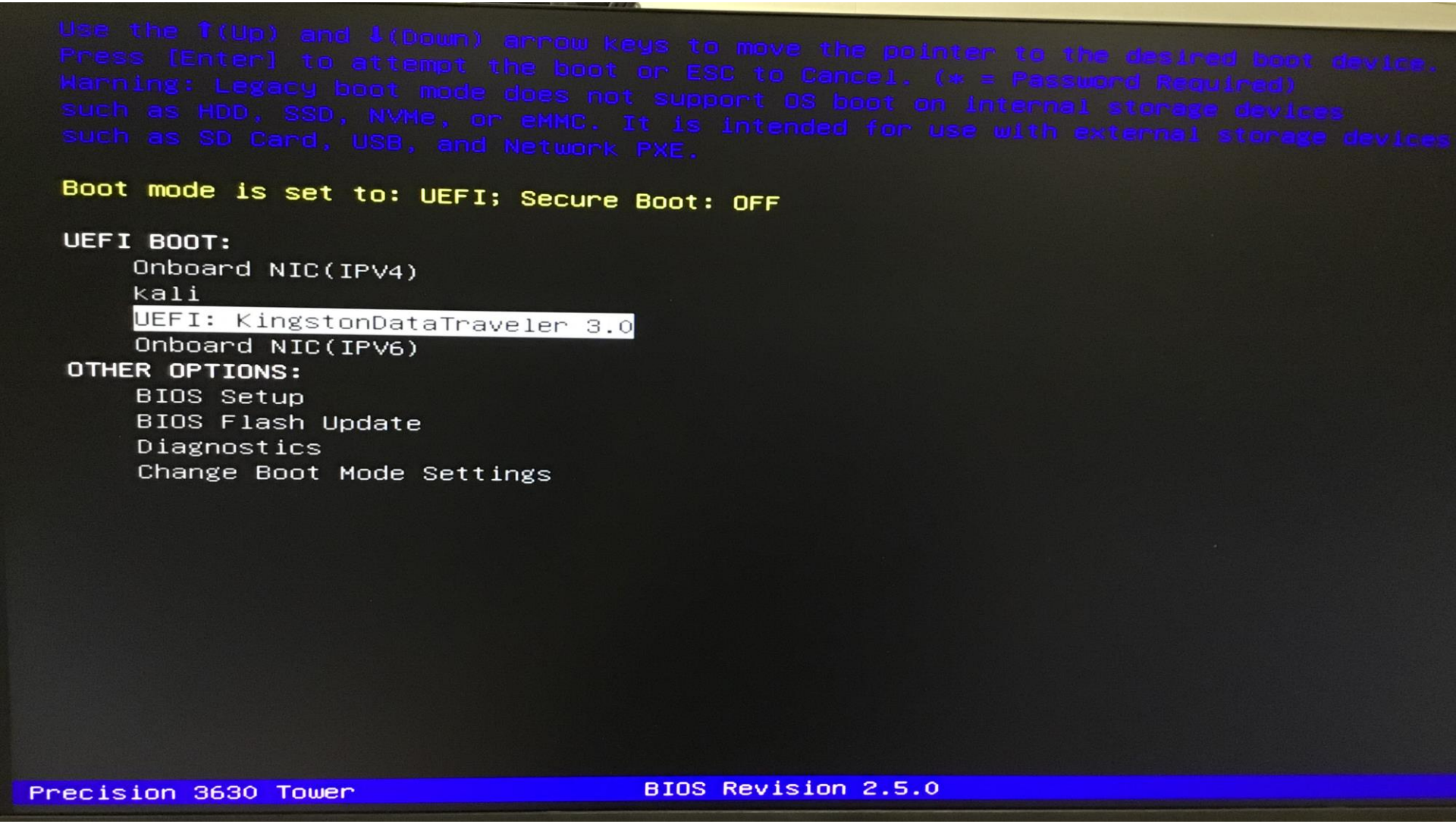
BOOT

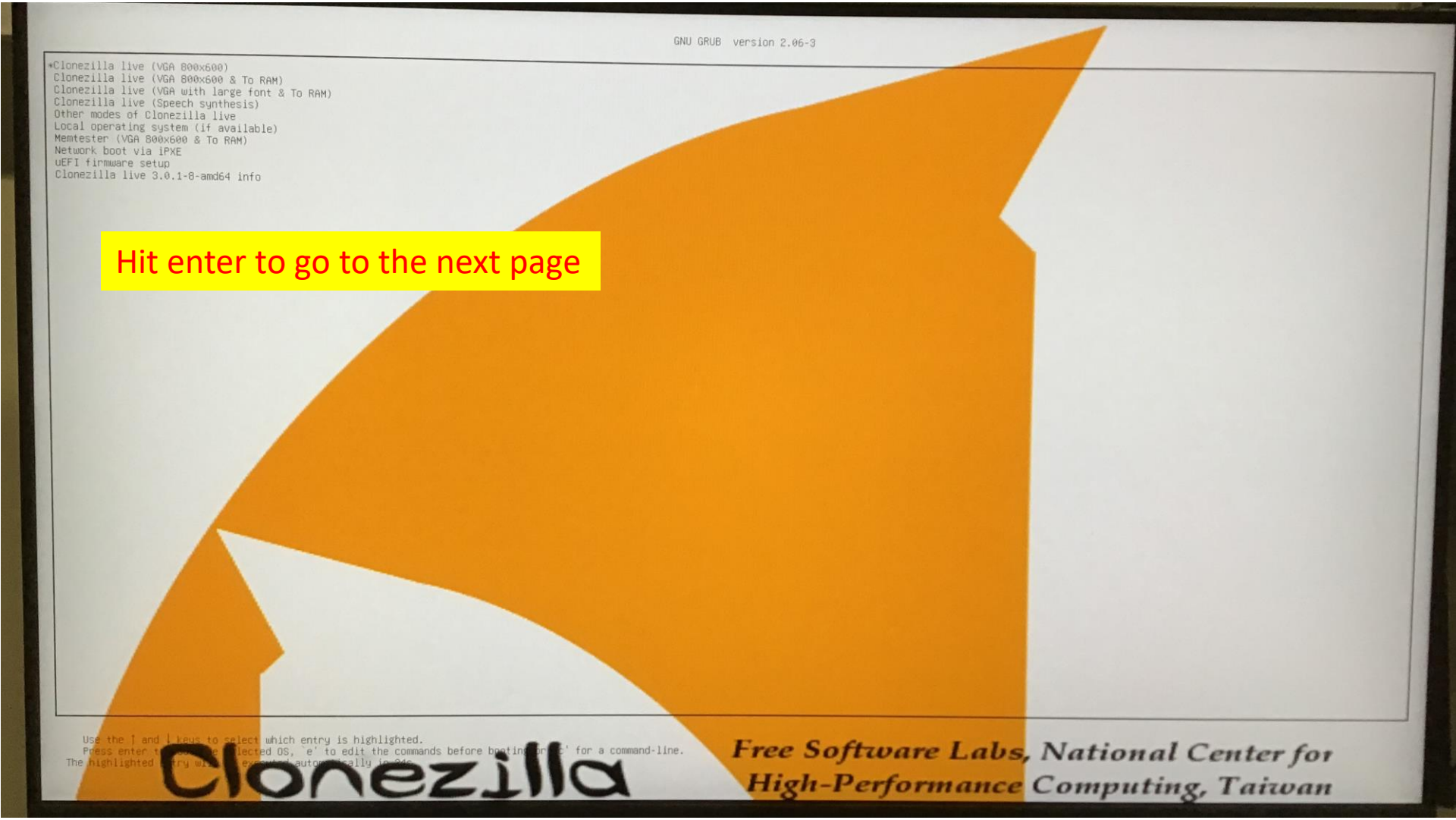
Press Power button

When it is just power on.

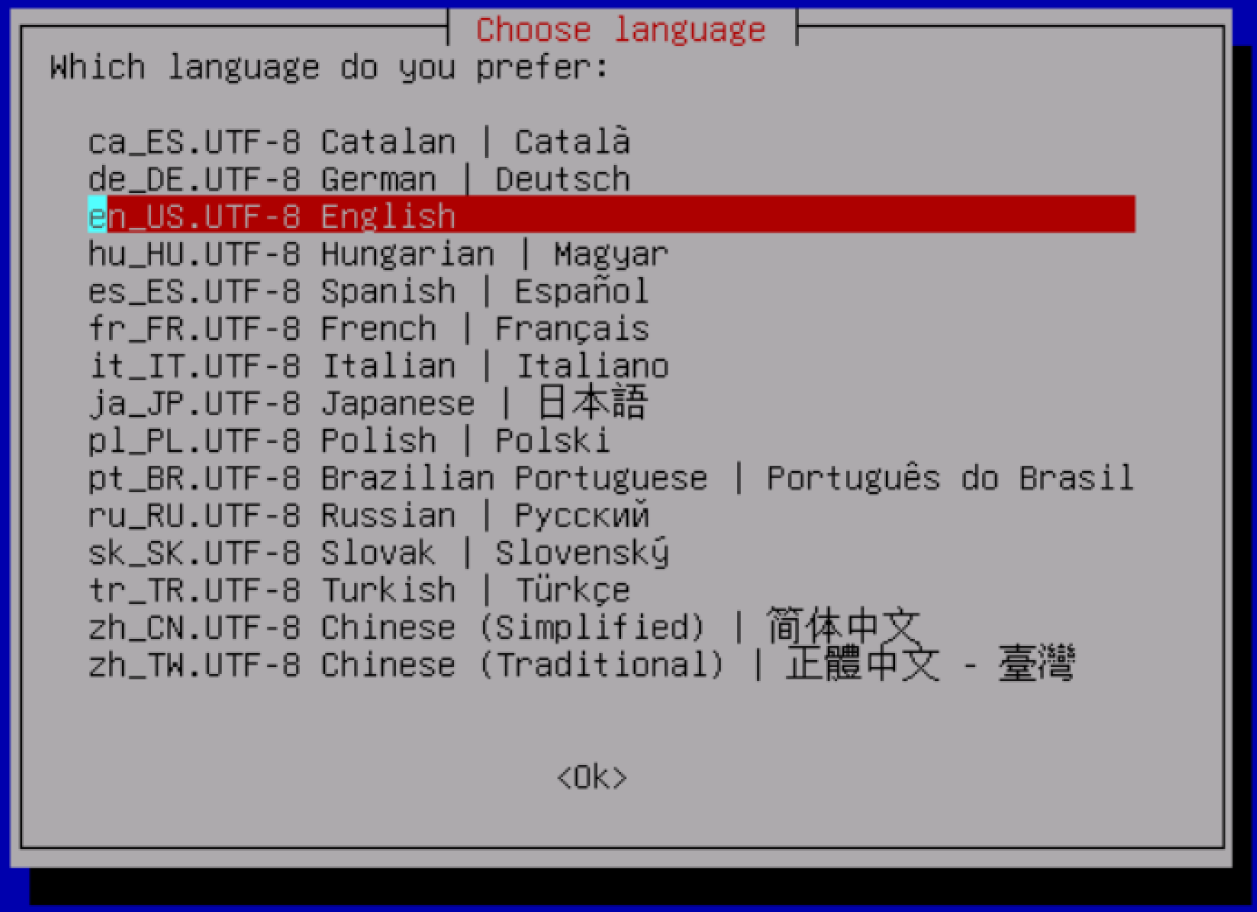
Or just restart the workstation

Keep Pressing **F12** for accessing this Boot Menu

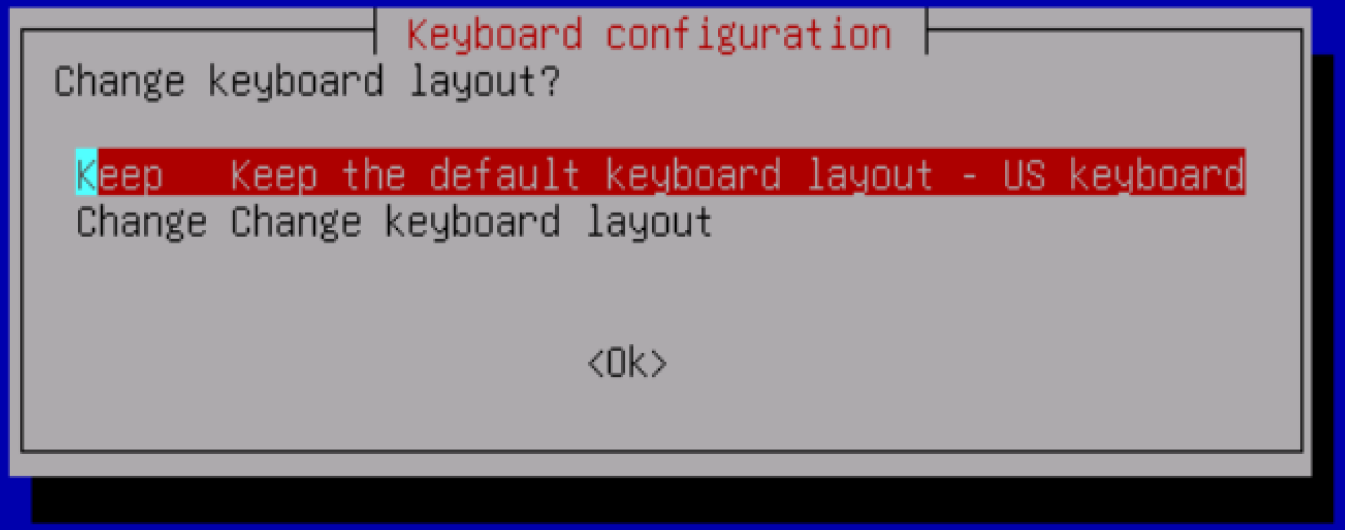

Use the ↑(Up) and ↓(Down) arrow keys to move the pointer to the desired boot device.
Press [Enter] to attempt the boot or ESC to Cancel. (* = Password Required)
Warning: Legacy boot mode does not support OS boot on internal storage devices
such as HDD, SSD, NVMe, or eMMC. It is intended for use with external storage devices
such as SD Card, USB, and Network PXE.
Boot mode is set to: UEFI; Secure Boot: OFF
UEFI BOOT:
Onboard NIC(IPV4)
kali
UEFI: KingstonDataTraveler 3.0
Onboard NIC(IPV6)
OTHER OPTIONS:
BIOS Setup
BIOS Flash Update
Diagnostics
Change Boot Mode Settings
Precision 3630 Tower
BIOS Revision 2.5.0


GNU GRUB version 2.06-3
*Clonezilla live (VGA 800x600)
Clonezilla live (VGA 800x600 & To RAM)
Clonezilla live (VGA with large font & To RAM)
Clonezilla live (Speech synthesis)
Other modes of Clonezilla live
Local operating system (if available)
Memtester (VGA 800x600 & To RAM)
Network boot via iPXE
uEFI firmware setup
Clonezilla live 3.0.1-8-amd64 info
Hit enter to go to the next page
Use the ↑ and ↓ keys to select which entry is highlighted.
Clonezilla
Free Software Labs, National Center for
High-Performance Computing, Taiwan

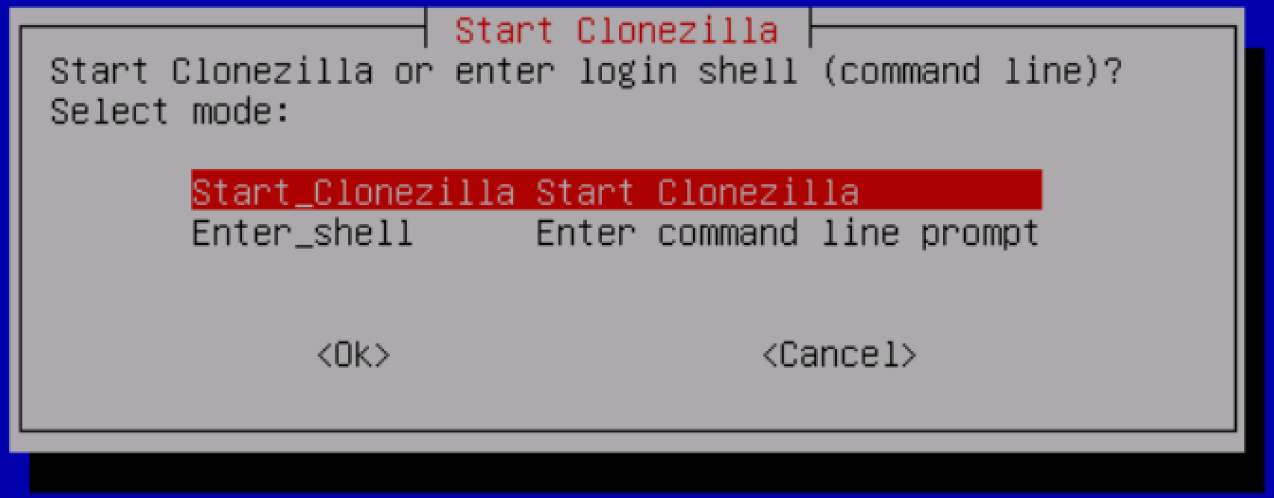
Select the already highlighted language “English”



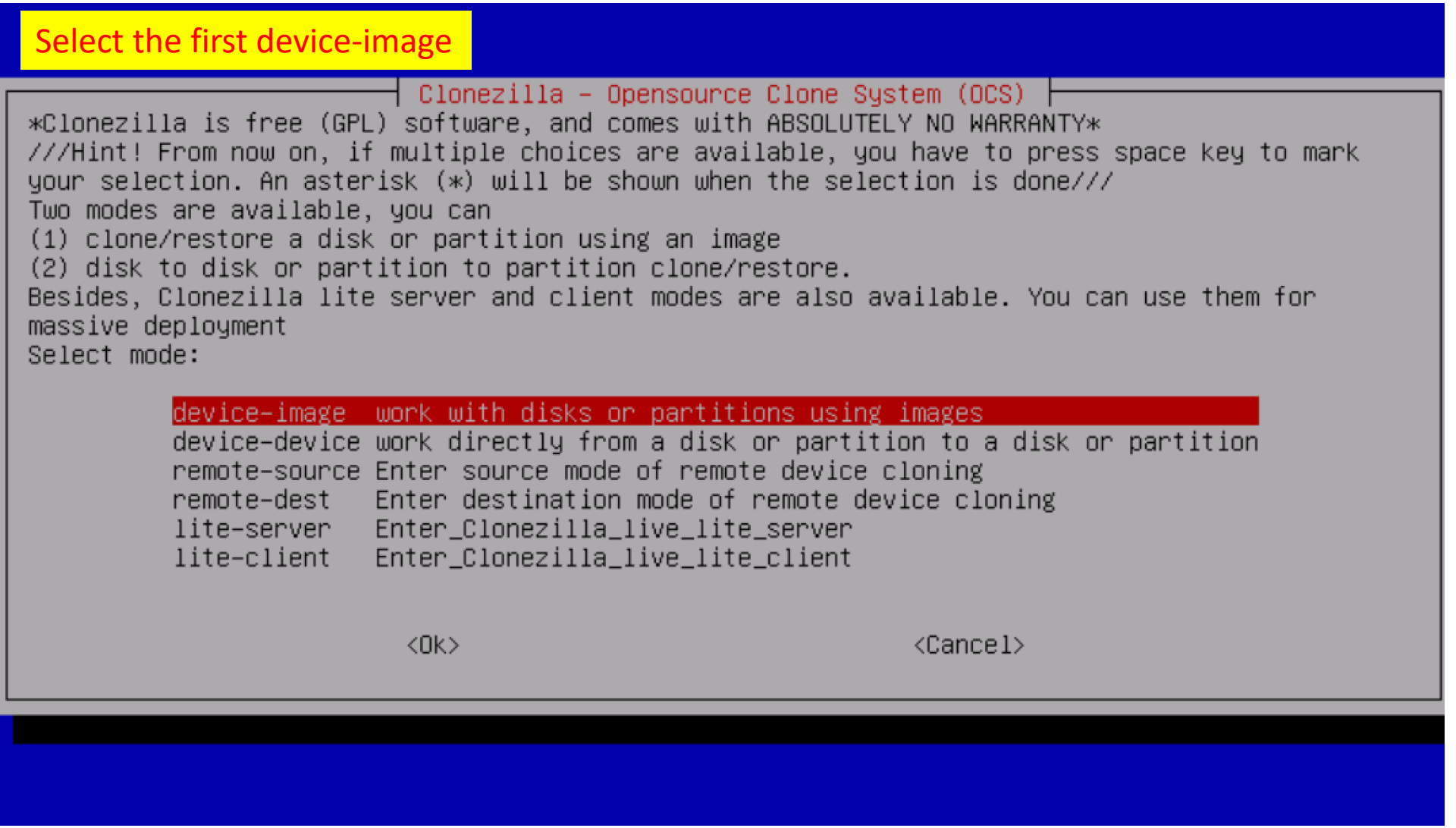
Select the first option



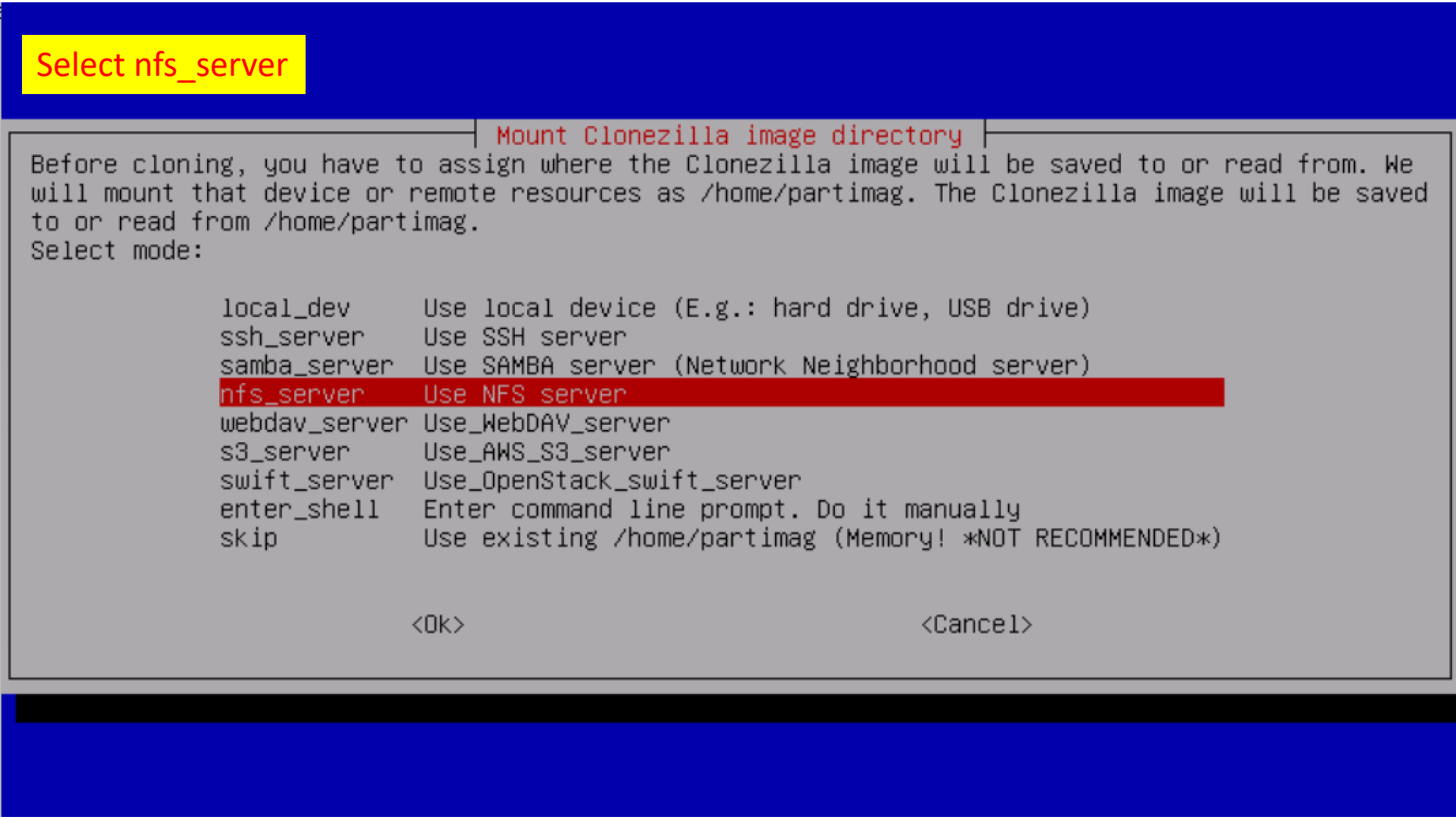
Select the first option and hit enter



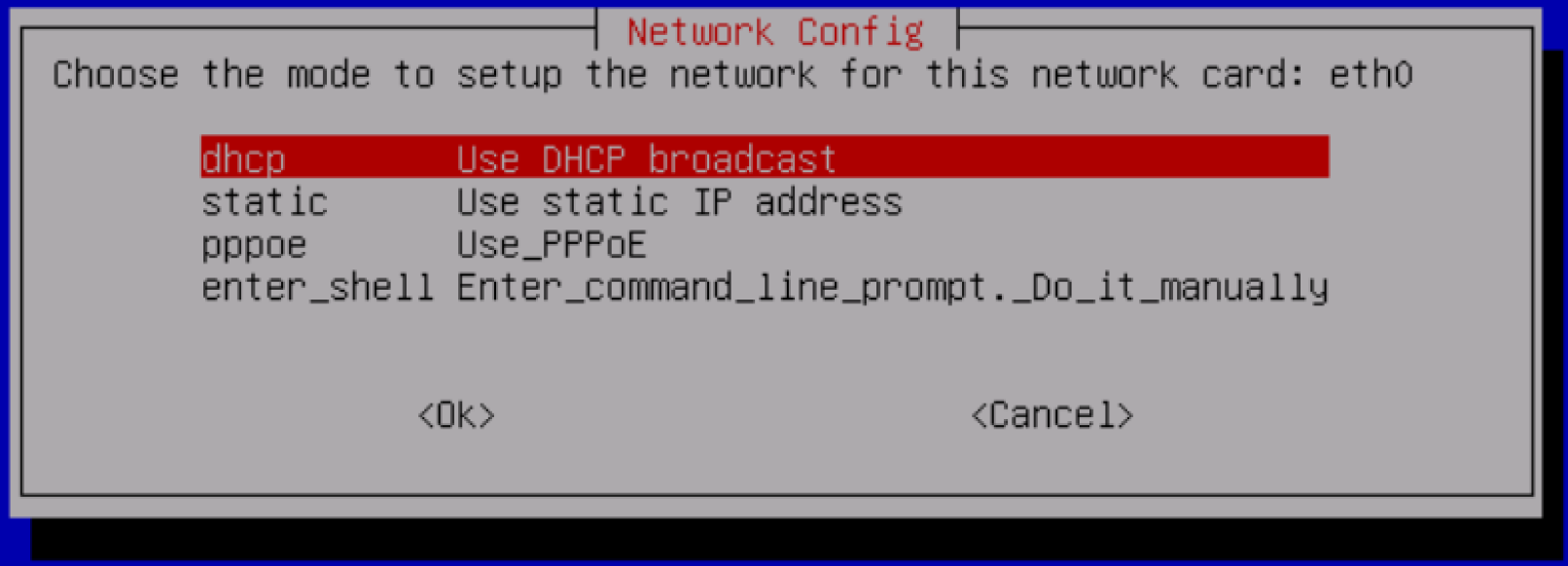
Select the first device-image



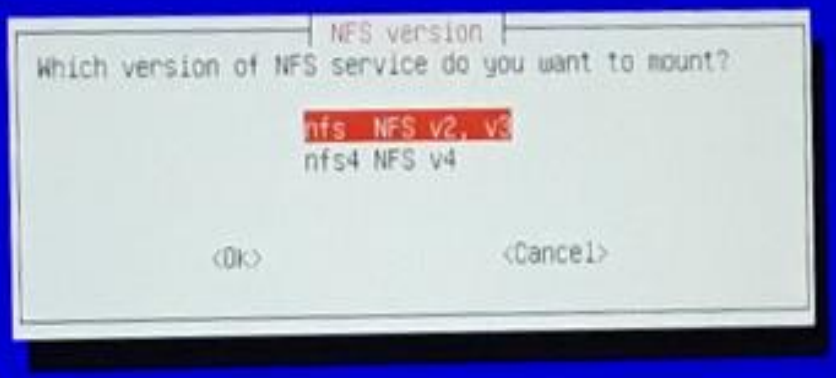
Select nfs_server



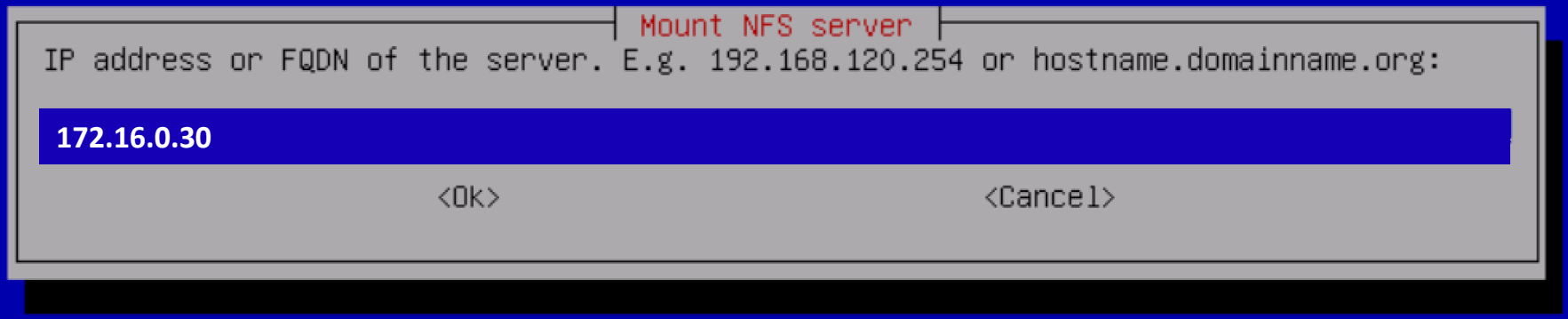
Select dhcp that machine can receive IP address from the network



Select NFS v2, v3
Although nfs4 may also work but it is slower as it may load
Extra security packages

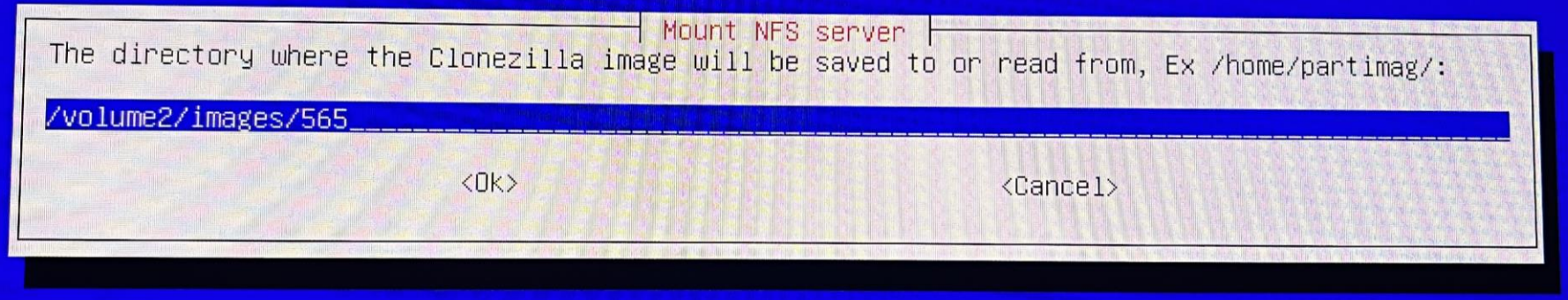


Enter the IP address of the NFS Server

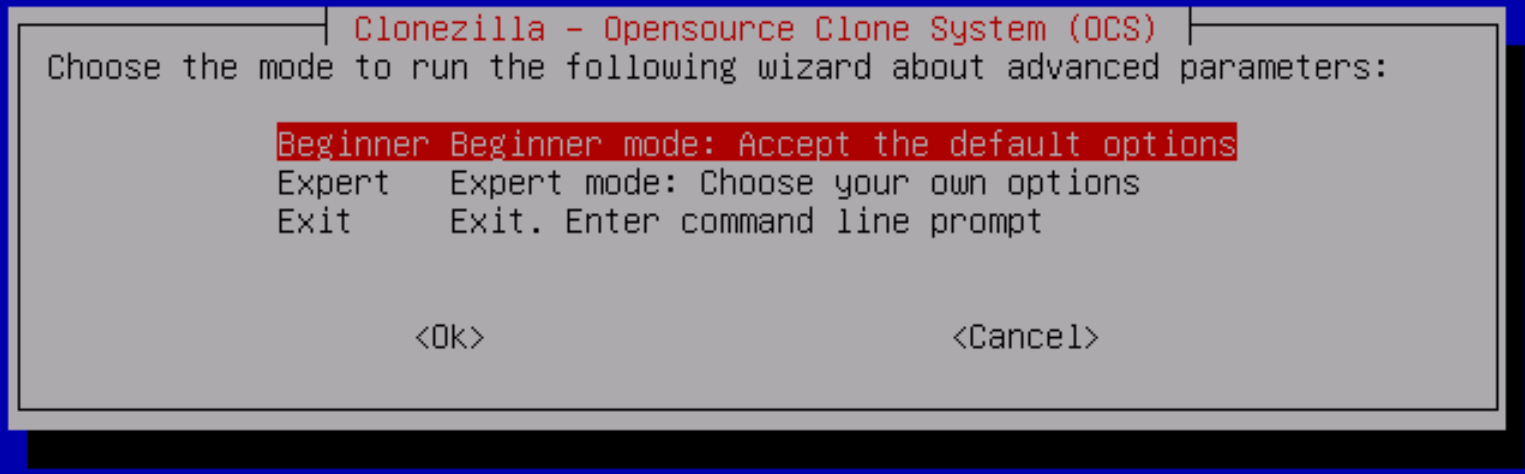


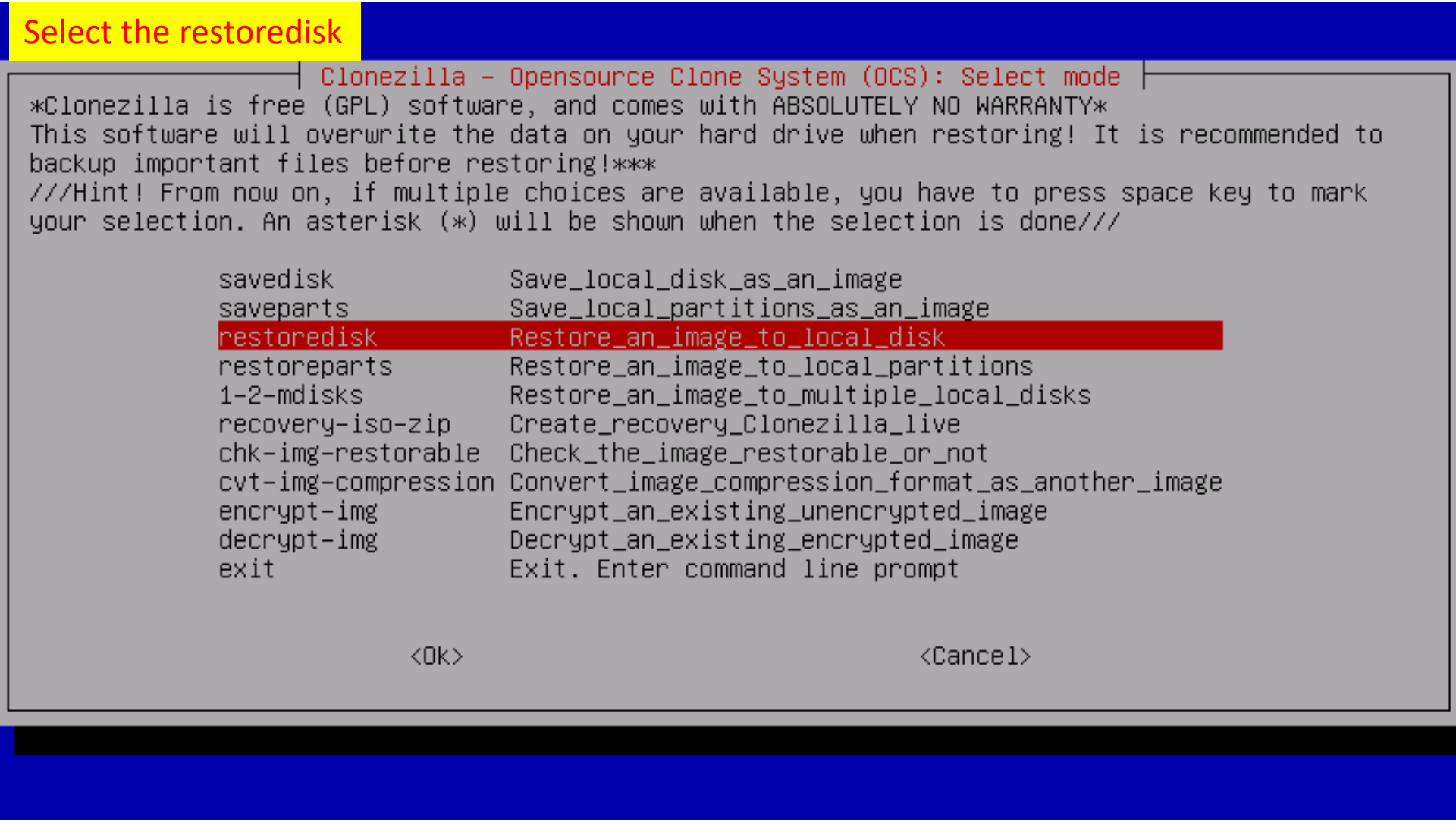
Remember num lock if your use digital pad

The directory location of the images inside NFS Server

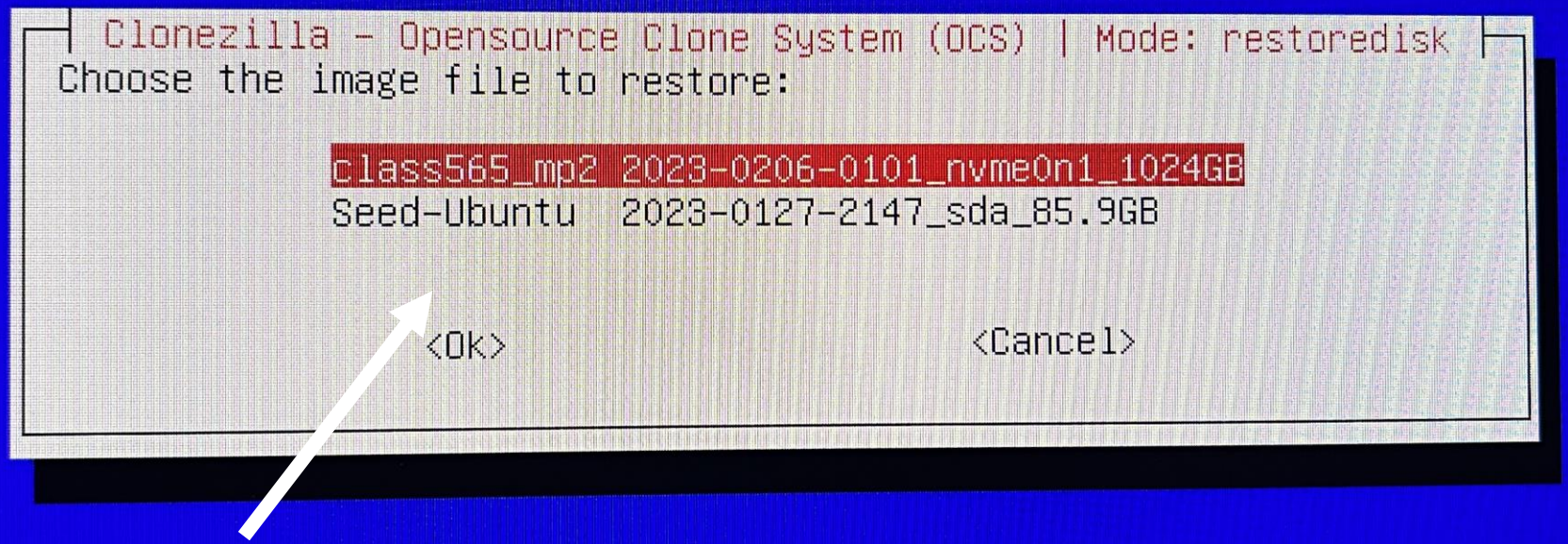


Select the first one, beginner mode

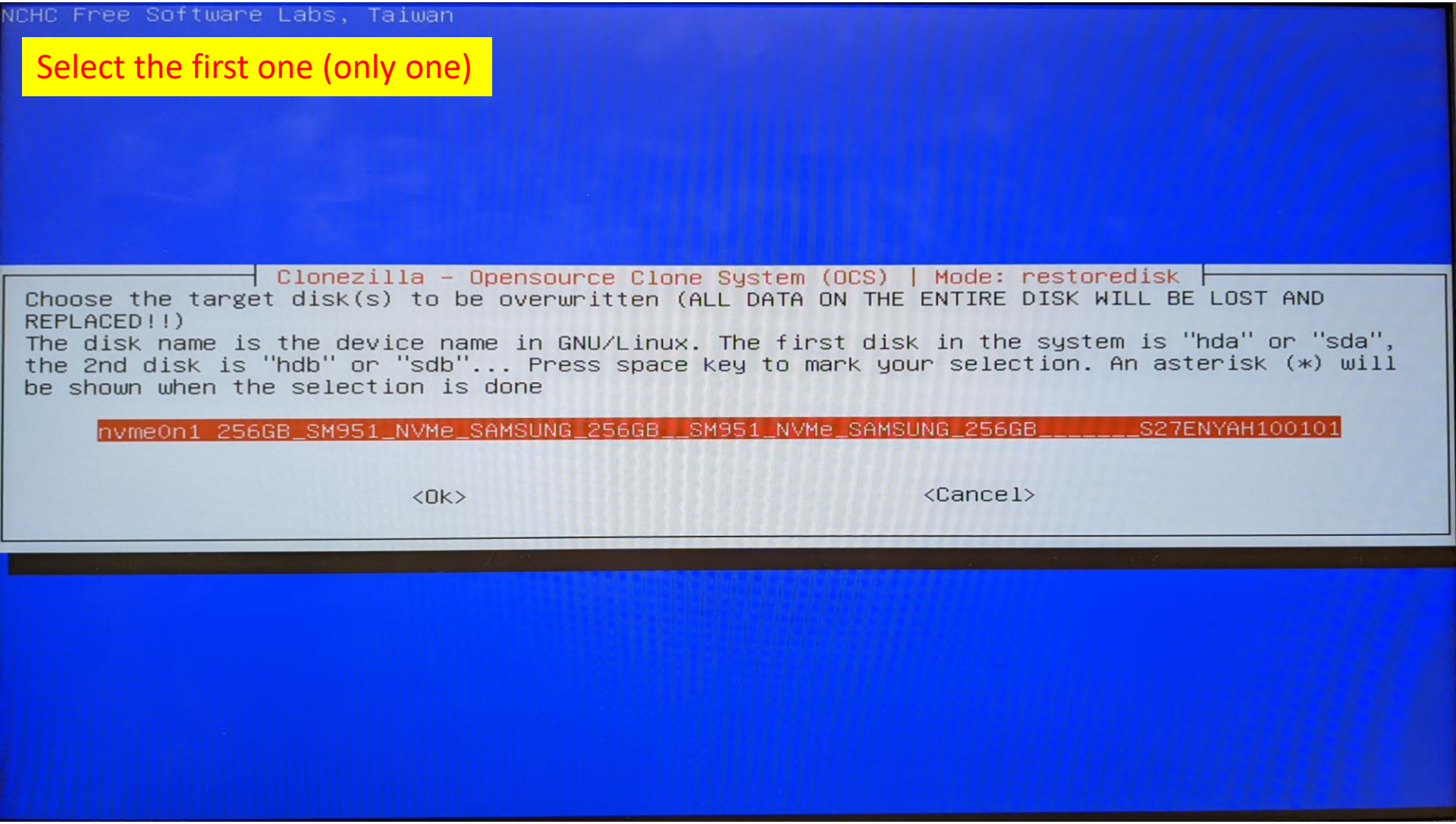


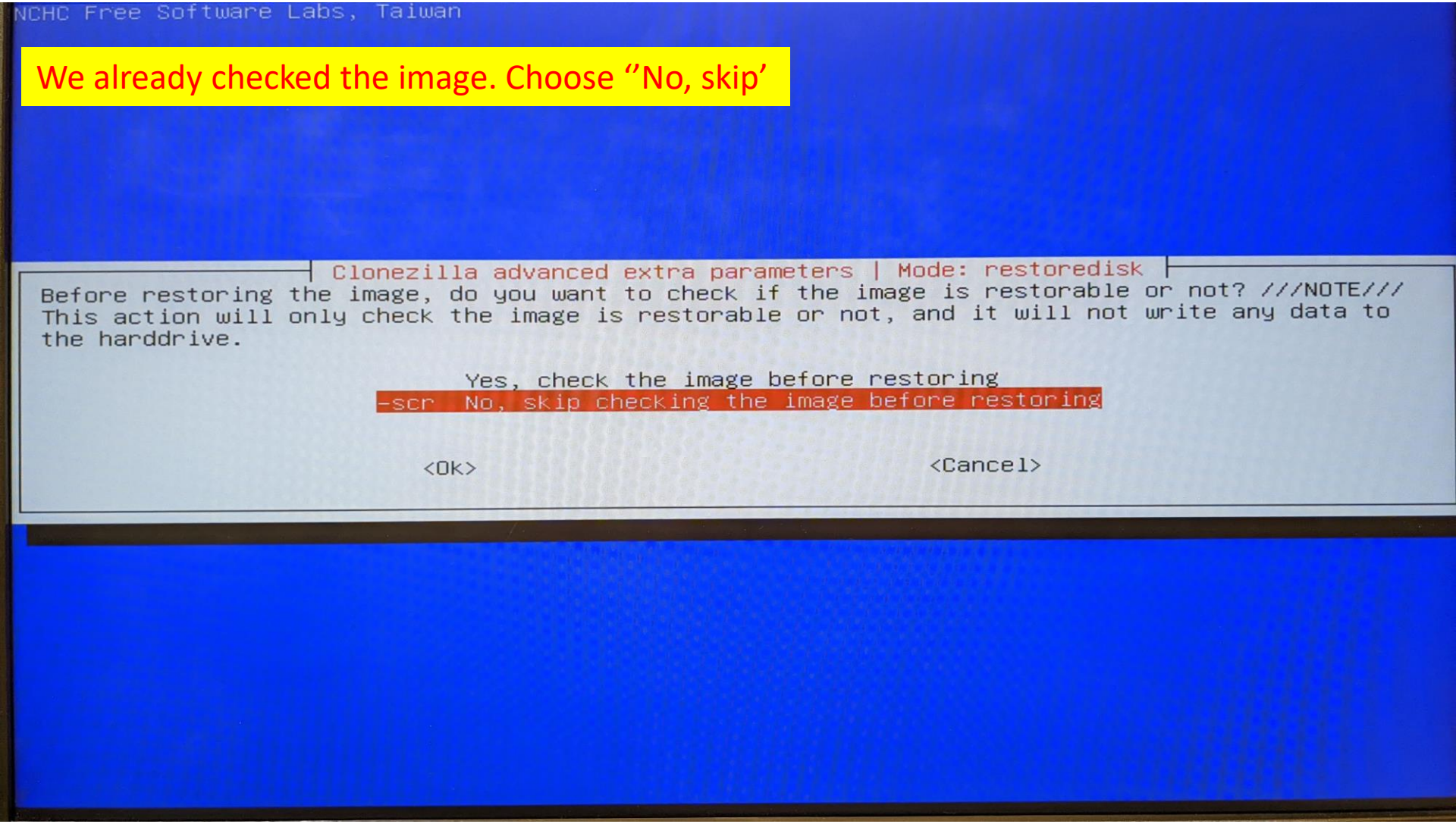

Select the restoredisk
Clonezilla - Opensource Clone System (OCS): Select mode
Clonezilla is free (GPL) software, and comes with ABSOLUTELY NO WARRANTY
This software will overwrite the data on your hard drive when restoring! It is recommended to backup important files before restoring!***
///Hint! From now on, if multiple choices are available, you have to press space key to mark your selection. An asterisk (*) will be shown when the selection is done///
savedisk Save_local_disk_as_an_image
saveparts Save_local_partitions_as_an_image
restoredisk Restore_an_image_to_local_disk
restoreparts Restore_an_image_to_local_partitions
1-2-mdisks Restore_an_image_to_multiple_local_disks
recovery-iso-zip Create_recovery_Clonezilla_live
chk-img-restorable Check_the_image_restorable_or_not
cvt-img-compression Convert_image_compression_format_as_another_image
encrypt-img Encrypt_an_existing_unencrypted_image
decrypt-img Decrypt_an_existing_encrypted_image
exit Exit. Enter command line prompt
<Ok>
<Cancel>

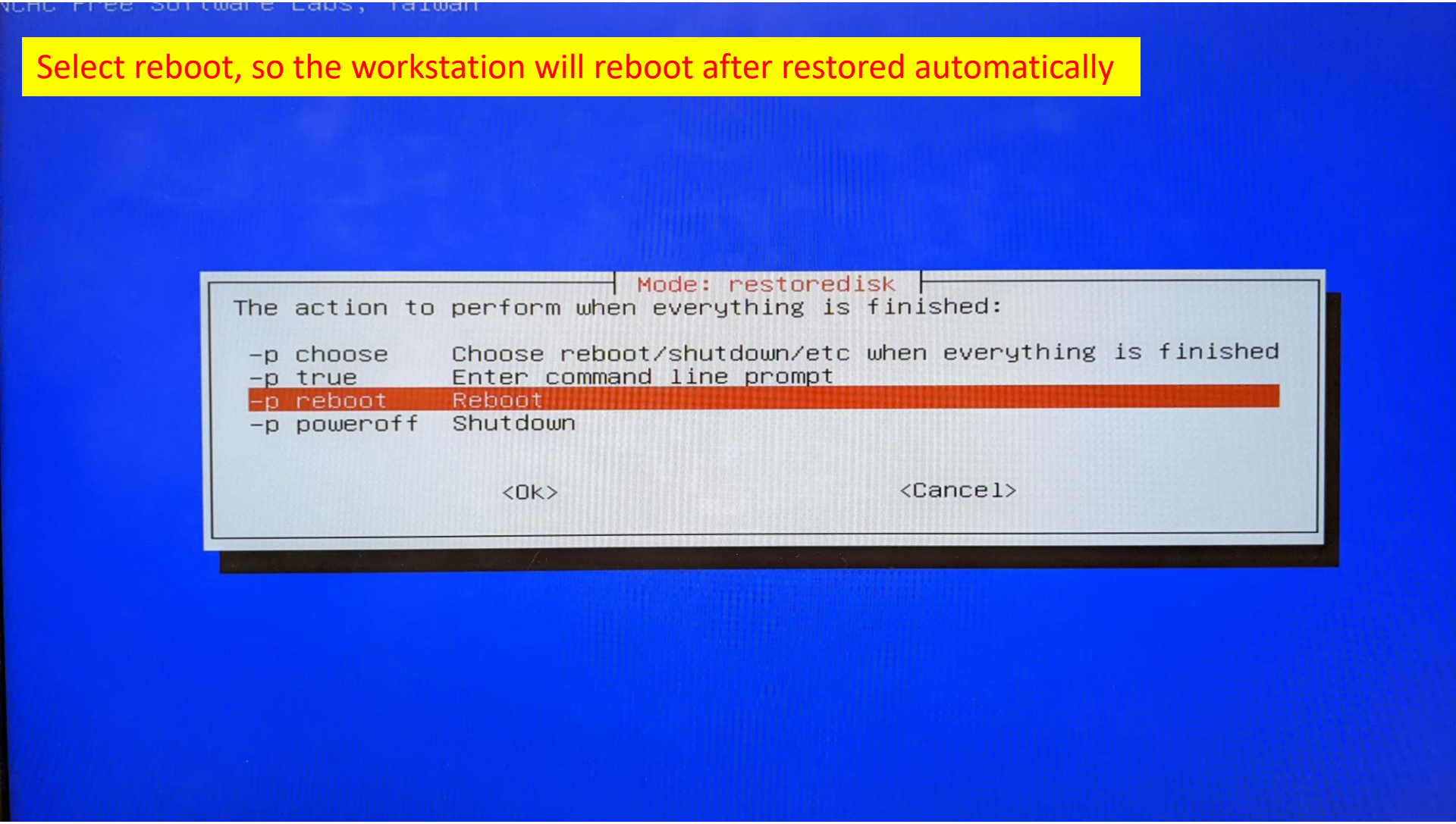
Select the first one for MP2

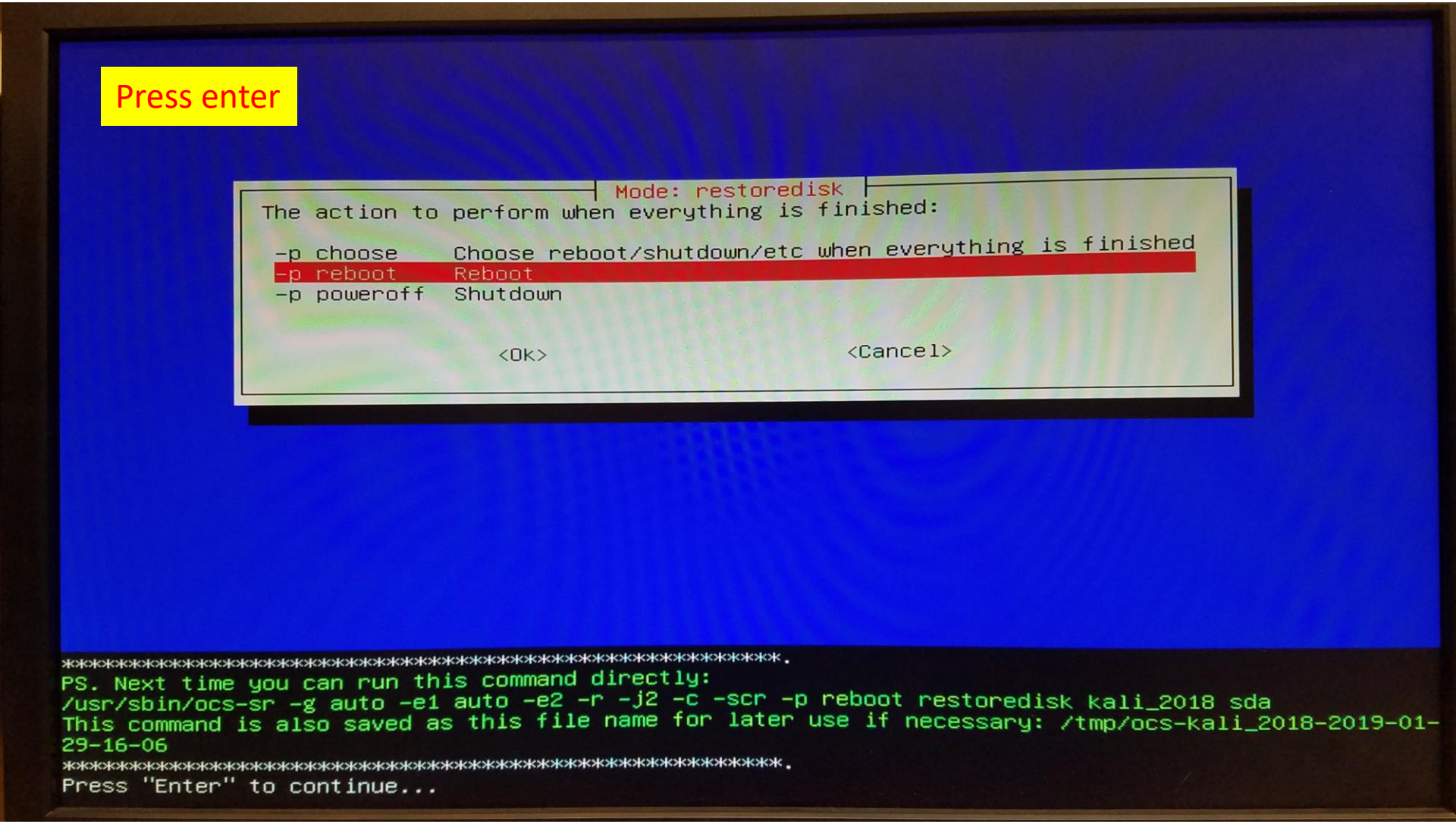


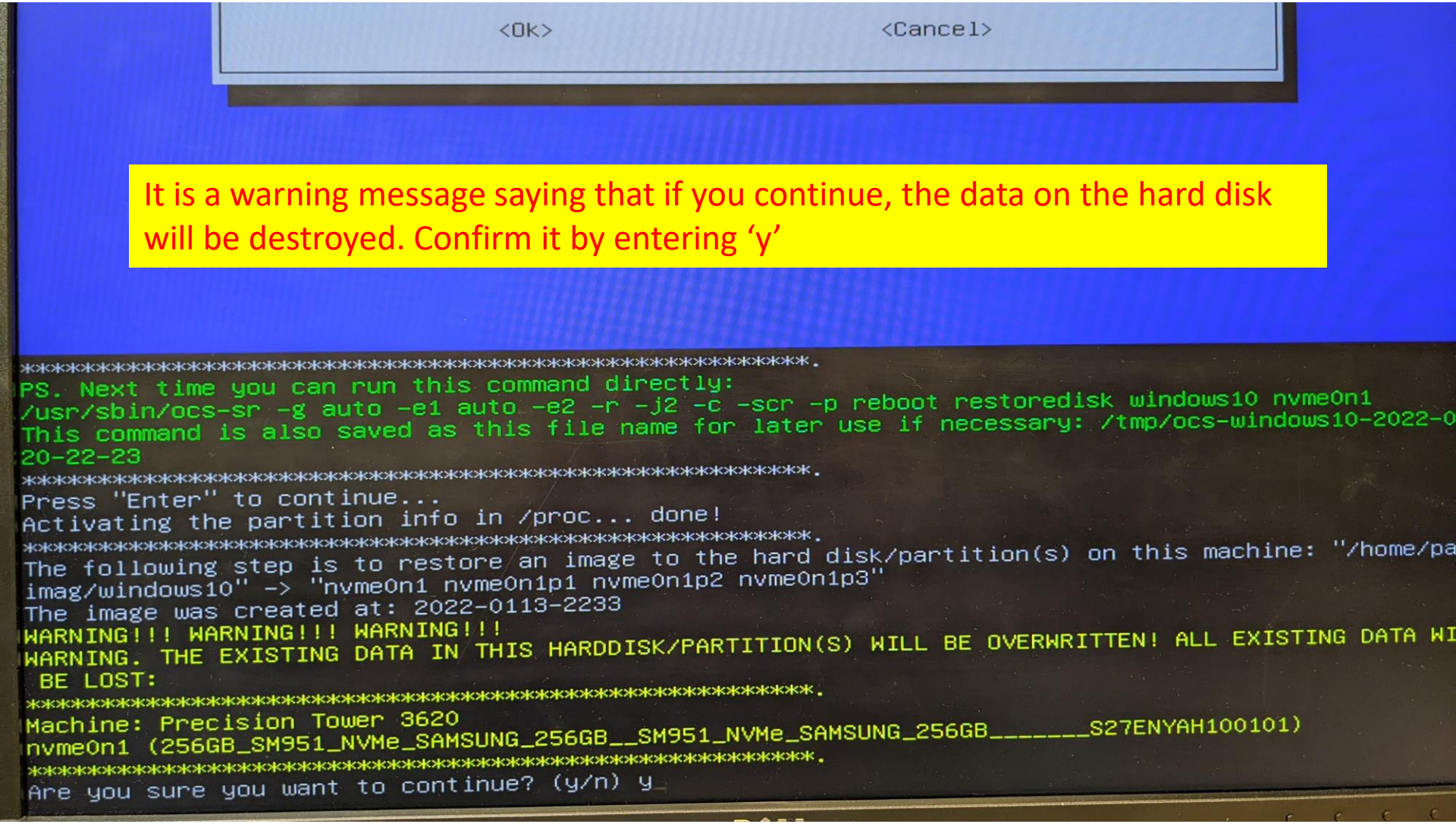
Various images

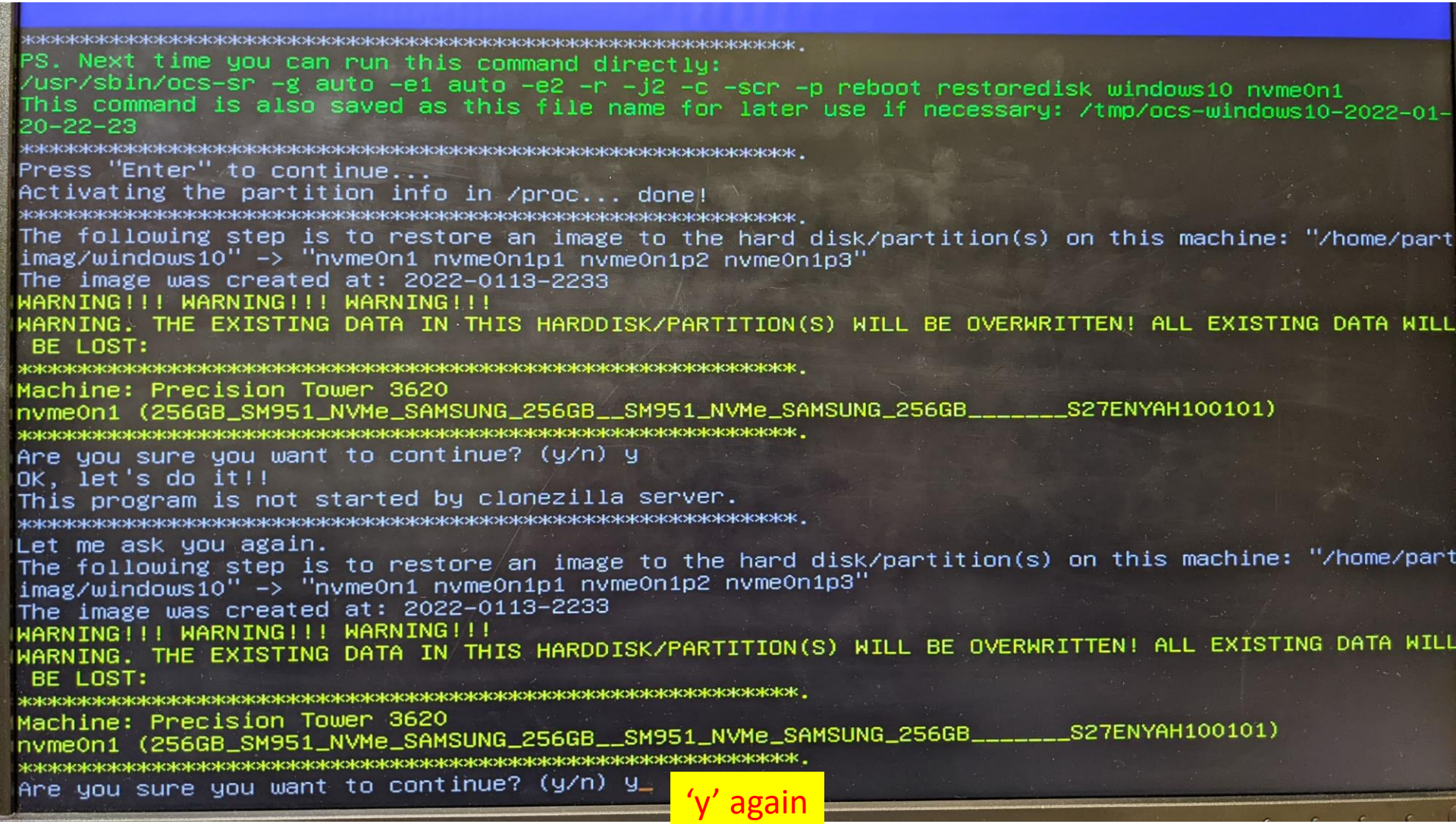

NCHC Free Software Labs, Taiwan
Select the first one (only one)
Clonezilla - Opensource Clone System (OCS) | Mode: restoredisk
Choose the target disk(s) to be overwritten (ALL DATA ON THE ENTIRE DISK WILL BE LOST AND REPLACED!!)
The disk name is the device name in GNU/Linux. The first disk in the system is "hda" or "sda", the 2nd disk is "hdb" or "sdb"... Press space key to mark your selection. An asterisk (*) will be shown when the selection is done
nvme0n1 256GB_SM951_NVMe_SAMSUNG_256GB__SM951_NVMe_SAMSUNG_256GB_____S27ENYAH100101
<Ok>
<Cancel>


NCHC Free Software Labs, Taiwan
We already checked the image. Choose ‘’No, skip’
Clonezilla advanced extra parameters | Mode: restoredisk
Before restoring the image, do you want to check if the image is restorable or not? ///NOTE///
This action will only check the image is restorable or not, and it will not write any data to
the harddrive.
Yes, check the image before restoring
-scr No, skip checking the image before restoring
<Ok>
<Cancel>

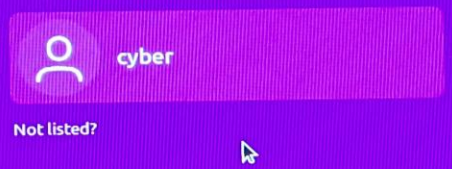

Select reboot, so the workstation will reboot after restored automatically
Mode: restoredisk
The action to perform when everything is finished:
-p choose Choose reboot/shutdown/etc when everything is finished
-p true Enter command line prompt
-p reboot Reboot
-p poweroff Shutdown
<Ok>
<Cancel>


Press enter
Mode: restoredisk
The action to perform when everything is finished:
-p choose Choose reboot/shutdown/etc when everything is finished
-p reboot Reboot
-p poweroff Shutdown
<Ok>
<Cancel>
**********.
PS. Next time you can run this command directly:
/usr/sbin/ocs-sr -g auto -e1 auto -e2 -r -j2 -c -scr -p reboot restoredisk kali_2018 sda
This command is also saved as this file name for later use if necessary: /tmp/ocs-kali_2018-2019-01-29-16-06
**********.
Press "Enter" to continue...


<Ok>
<Cancel>
It is a warning message saying that if you continue, the data on the hard disk will be destroyed. Confirm it by entering ‘y’
**********.
PS. Next time you can run this command directly:
/usr/sbin/ocs-sr -g auto -e1 auto -e2 -r -j2 -c -scr -p reboot restoredisk windows10 nvme0n1
This command is also saved as this file name for later use if necessary: /tmp/ocs-windows10-2022-0
20-22-23
**********.
Press "Enter" to continue...
Activating the partition info in /proc... done!
**********.
The following step is to restore an image to the hard disk/partition(s) on this machine: "/home/pa
imag/windows10" -> "nvme0n1 nvme0n1p1 nvme0n1p2 nvme0n1p3"
The image was created at: 2022-0113-2233
WARNING!!! WARNING!!! WARNING!!!
WARNING. THE EXISTING DATA IN THIS HARDDISK/PARTITION(S) WILL BE OVERWRITTEN! ALL EXISTING DATA WI
BE LOST:
**********.
Machine: Precision Tower 3620
nvme0n1 (256GB_SM951_NVMe_SAMSUNG_256GB__SM951_NVMe_SAMSUNG_256GB_______S27ENYAH100101)
**********.
Are you sure you want to continue? (y/n) y


**********.
PS. Next time you can run this command directly:
/usr/sbin/ocs-sr -g auto -e1 auto -e2 -r -j2 -c -scr -p reboot restoredisk windows10 nvme0n1
This command is also saved as this file name for later use if necessary: /tmp/ocs-windows10-2022-01-20-22-23
**********.
Press "Enter" to continue...
Activating the partition info in /proc... done!
**********.
The following step is to restore an image to the hard disk/partition(s) on this machine: "/home/partimag/windows10" -> "nvme0n1 nvme0n1p1 nvme0n1p2 nvme0n1p3"
The image was created at: 2022-0113-2233
WARNING!!! WARNING!!! WARNING!!!
WARNING. THE EXISTING DATA IN THIS HARDDISK/PARTITION(S) WILL BE OVERWRITTEN! ALL EXISTING DATA WILL BE LOST:
**********.
Machine: Precision Tower 3620
nvme0n1 (256GB_SM951_NVMe_SAMSUNG_256GB__SM951_NVMe_SAMSUNG_256GB_____S27ENYAH100101)
**********.
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/windows10" -> "nvme0n1 nvme0n1p1 nvme0n1p2 nvme0n1p3"
The image was created at: 2022-0113-2233
WARNING!!! WARNING!!! WARNING!!!
WARNING. THE EXISTING DATA IN THIS HARDDISK/PARTITION(S) WILL BE OVERWRITTEN! ALL EXISTING DATA WILL BE LOST:
**********.
Machine: Precision Tower 3620
nvme0n1 (256GB_SM951_NVMe_SAMSUNG_256GB__SM951_NVMe_SAMSUNG_256GB_____S27ENYAH100101)
**********.
Are you sure you want to continue? (y/n) y_
‘y’ again

Welcome to login



Password: EECS565security!

Change the default password after you login

ubuntu

Acknowledgements

- We thank Dr. Bardas and his TA Kabir for sharing the materials and the infrastructure created for EECS 465.

- This computer lab will be shared with students in EECS 465 and JayHacker Security Club.