



IT-PROBLEEM OPLOSSEN

Door Xavier Garvelink

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Klas: 6IB

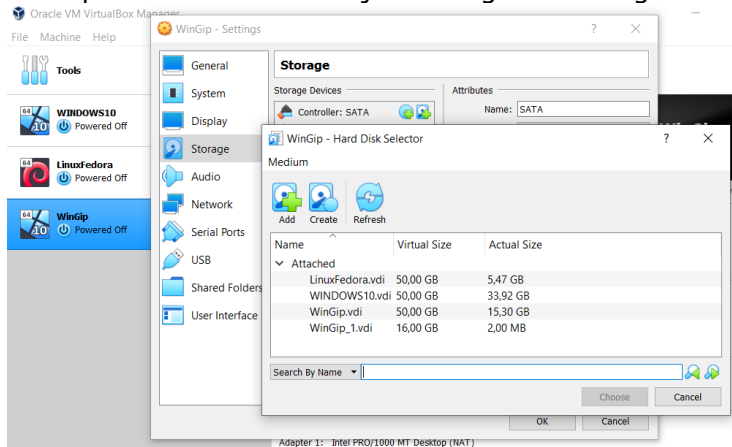
Schooljaar: 2021-2022



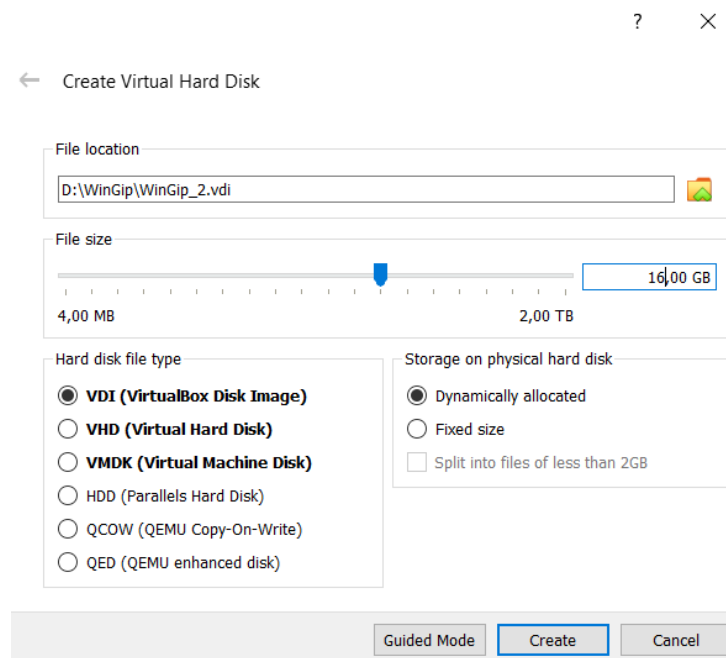
Voor wij beginnen moeten wij eerst een usb in het systeem steken of een extra virtuele schijf aanmaken voor VM naar VM.

Extra virtuele schijf aanmaken (niet nodig als je een geformatteerde usb stick gebruikt)

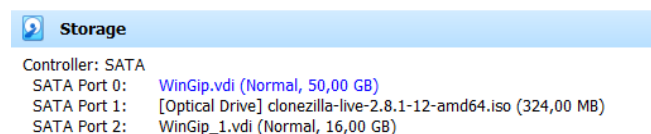
- 1 Ga naar de instellingen van uw virtual machine en dan naar opslag.
- 2 Klik op "nieuwe harde schijf toevoegen" vervolgd door "aanmaken".



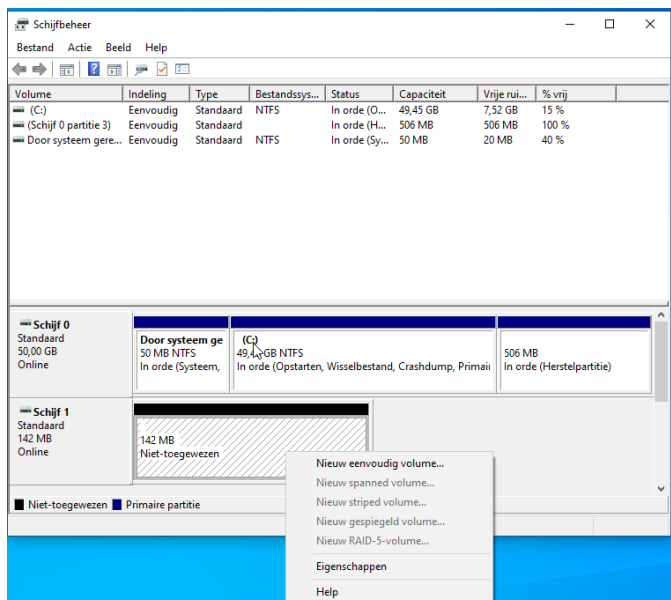
- 3 Maak een dynamisch gealloceerde VDI schijf aan met een grootte van 16GB.



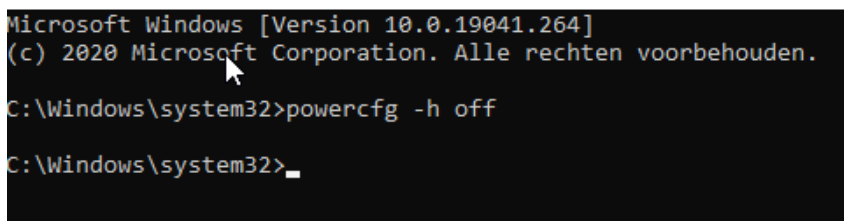
- 4 Voeg de schijf toe aan de VM.



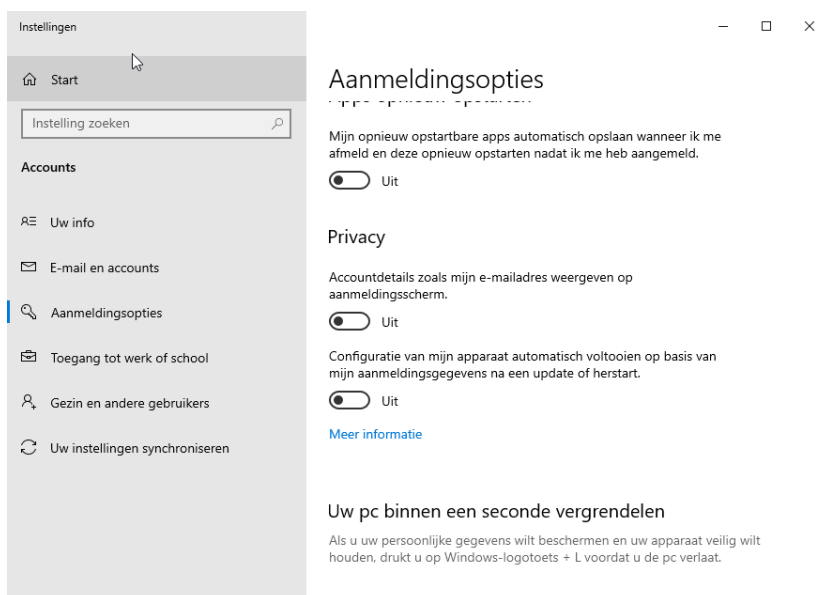
- 5 Open je windows VM.
- 6 Ga naar schijfbeheer.
- 7 Gebruik rechten muisklik op de schijf met de zwarte lijn en selecteer "Nieuw eenvoudig volume".



- 8 Volg de setup wizard, normaal gezien staan alle instellingen standaard correct.
- 9 Open de command prompt als administrator (typ cmd in de zoekbalk om het te vinden).
- 10 Typ "powercfg -h off" en druk op enter. (laat de command prompt ook open omdat we deze later nog nodig hebben).



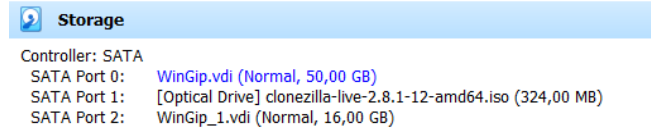
- 11 Ga bij de windows instellingen naar aanmelding opties en zet de volgende optie uit "configuratie van mijn apparaat automatisch voltooien op basis van mijn aanmeldingsgegevens na een update of herstart."



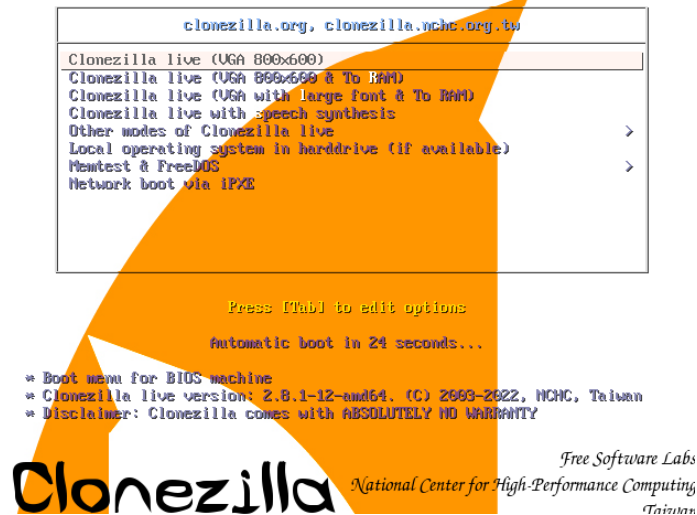
- 12 Ga terug naar de command prompt en typ "shutdown -p" en druk dan op enter.

Hoe gebruik je clonezilla?

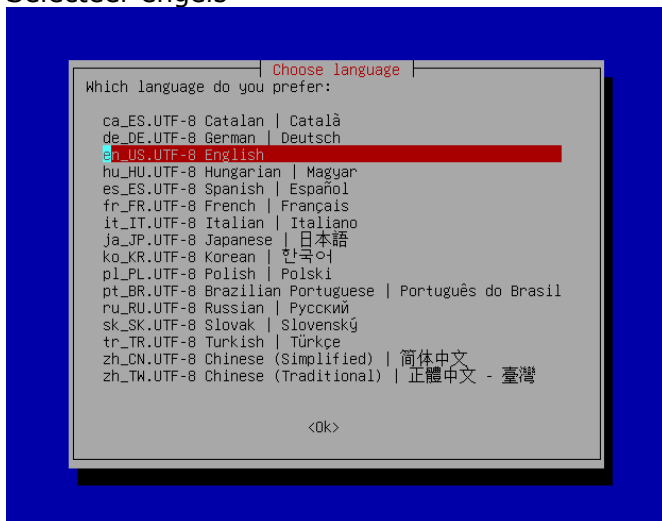
- 1 Steek het opslag medium waarop u de image wilt zetten in de computer.
- 2 Steek de clonezilla ISO in de optische schijf



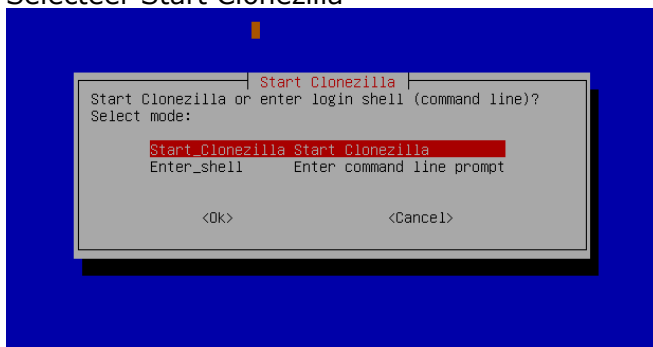
- 3 Start de computer op.
- 4 Selecteer de optie "Clonezilla live (VGA 800x600)" (dit is de eerste optie)



- 5 Selecteer engels



- 6 Selecteer Start Clonezilla



7 Selecteer Device-image

```
Clonezilla - Opensource Clone System (OCS)

*Clonezilla is free (GPL) software, and comes with ABSOLUTELY NO WARRANTY*
//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//
Two modes are available, you can
(1) clone/restore a disk or partition using an image
(2) disk to disk or partition to partition clone/restore.
Besides, Clonezilla lite server and client modes are also available. You can use them for
massive deployment
Select mode:

device-image work with disks or partitions using images
device-device work directly from a disk or partition to a disk or partition
remote-source Enter source mode of remote device cloning
remote-dest   Enter destination mode of remote device cloning
lite-server   Enter_Clonezilla_live_lite_server
lite-client   Enter_Clonezilla_live_lite_client

<Ok>                                <Cancel>
```

8 Selecteer Local-dev

```
Mount Clonezilla image directory

Before cloning, you have to assign where the Clonezilla image will be saved to or read from. We
will mount that device or remote resources as /home/partimag. The Clonezilla image will be saved
to or read from /home/partimag.
Select mode:

local_dev Use local device (E.g.: hard drive, USB drive)
ssh_server Use SSH server
samba_server Use SAMBA server (Network Neighborhood server)
nfs_server Use NFS server
webdav_server Use_WebDAV_server
s3_server Use_AWS_S3_server
enter_shell Enter command line prompt. Do it manually
ram_disk Use memory (OK for BT from raw device)
skip Use existing /home/partimag (Memory! *NOT RECOMMENDED*)

<Ok>                                <Cancel>
```

9 Druk op enter

```
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skip Use existing /home/partimag (Memory! *NOT RECOMMENDED*)

<Ok>                                <Cancel>
```

```
ocsroot device is local_dev
preparing the mount point /home/partimag...
if you want to use USB device as a Clonezilla image repository, please
* Insert USB device into this machine *now*
* Wait for about 5 secs
* Press Enter key
so that the OS can detect the USB device and later we can mount it as /home/partimag.
press "Enter" to continue....._
```

- 10 Selecteer Sdb1 (als deze er niet in staat dan hebt u waarschijnlijk de usb-stick of extra virtuele schijf er niet in gestoken of niet geformatteerd)

```
Clonezilla - Opensource Clone System (OCS) | Mode:
Now we need to mount a device as /home/partimag (Clonezilla image(s) repository) so that we can
read or save the image in /home/partimag.
//NOTE// You should NOT mount the partition you want to backup as /home/partimag
The partition name is the device name in GNU/Linux. The first partition in the first disk is
"hdai" or "sda1", the 2nd partition in the first disk is "hda2" or "sda2", the first partition
in the second disk is "hdb1" or "sdb1"... If the system you want to save is MS windows, normally
C: is hda1 (for PATA) or sda1 (for PATA, SATA or SCSI), and D: could be hda2 (or sda2), hda5 (or
sda5)...

sda1 50M_ntfs_Door_systeem(In_VBOX_HARDDISK_)_VBOX_HARDDISK_VB49cb2d99-033fc060
sda2 49.5G_ntfs(In_VBOX_HARDDISK_)_VBOX_HARDDISK_VB49cb2d99-033fc060
sda3 506M_ntfs(In_VBOX_HARDDISK_)_VBOX_HARDDISK_VB49cb2d99-033fc060
sdb1 16G_ntfs_NieuwVolume(In_VBOX_HARDDISK_)_VBOX_HARDDISK_VB73b29670-a0758629

<Ok> <Cancel>
```

- 11 Selecteer no-fsck

```
Clonezilla - Opensource Clone System (OCS): REPOSITORY
Choose if you want to check and repair the file system before mounting the image repository.
This option is only for certain file systems which are well supported by fsck on GNU/Linux, like
ext2/3/4, reiserfs, xfs, jfs, vfat. Not for NTFS, HFS+...
//NOTE// This is for mounting local storage device as an image repository!

no-fsck Skip checking/repairing the file system before mounting
fsck Interactively check and repair the file system before mounting
fsck-y Auto (Caution!) check and repair file system before mounting

<Ok> <Cancel>
```

- 12 Selecteer done

```
Directory Browser for Clonezilla image repository
Which directory is for the Clonezilla image repository? (If there is a space in the directory
name, it will _NOT_ be shown)
When the "Current selected dir name" is what you want, use "Tab" key to choose "Done"
//NOTE// You should not choose the directory tagged with C2_IMG. They are just for you to know
the images list in the current dir.
Path on the resource: /dev/sdb1[/]
Current selected dir name: "/"

<ABORT> Exit_directory_browsing

<Browse> <Done>
```

- 13 Druk op enter

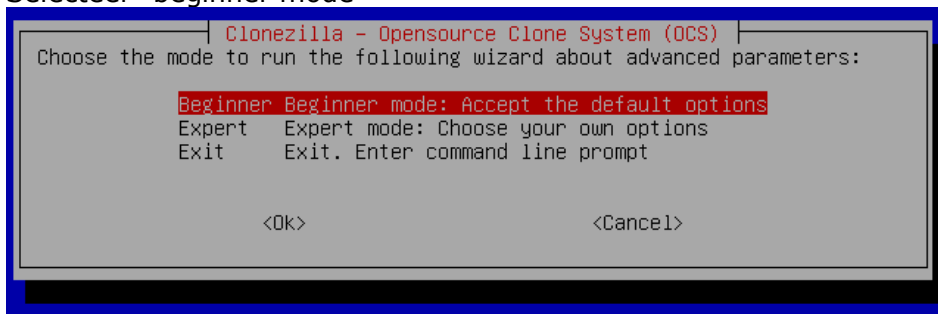
```
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Which directory is for the Clonezilla image repository? (If there is a space in the directory
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Path on the resource: /dev/sdb1[/]
Current selected dir name: "/"

<ABORT> Exit_directory_browsing

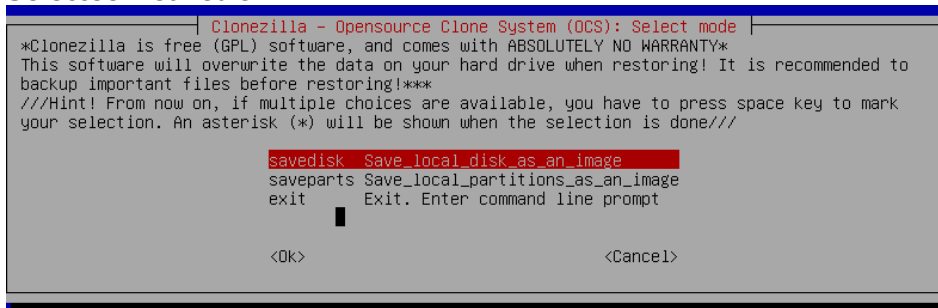
<Browse> <Done>
```

```
Running: mount --bind -o noatime /tmp/ocsroot_bind_root /home/partimag
The file system disk space usage:
*****
SOURCE      FSTYPE  SIZE USED AVAIL USE% TARGET
dev/sdb1 fuseblk 16G 47M 16G 0% /home/partimag
*****
press "Enter" to continue....._
```

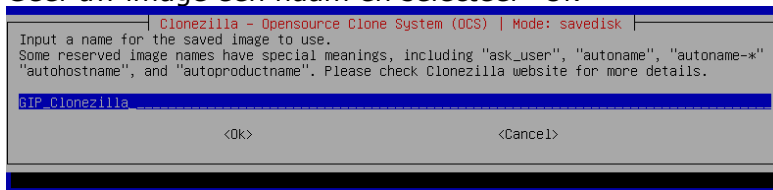
14 Selecteer "beginner mode"



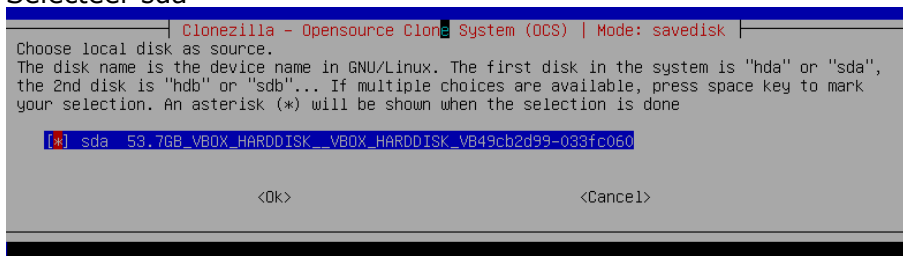
15 Selecteer "savedisk"



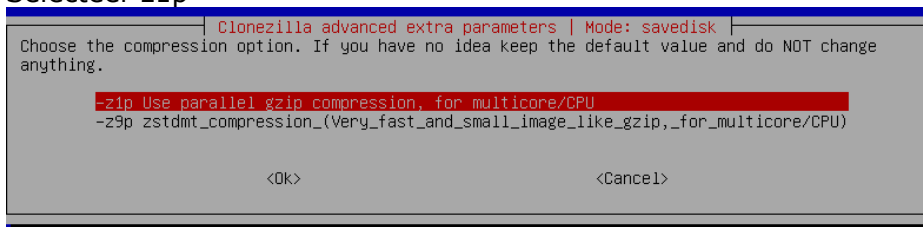
16 Geef uw image een naam en selecteer "Ok"



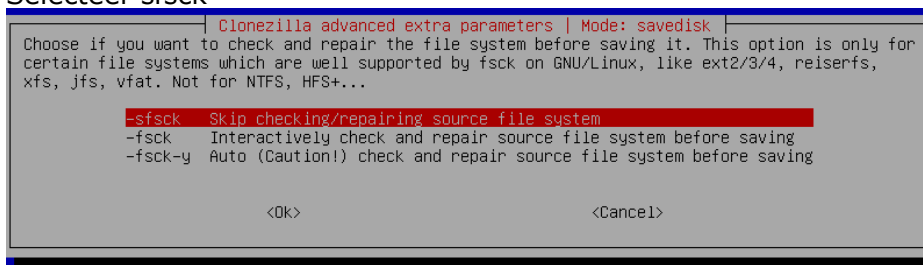
17 Selecteer sda



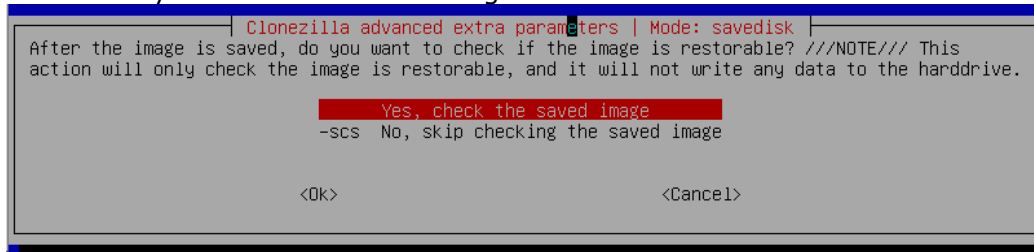
18 Selecteer zip



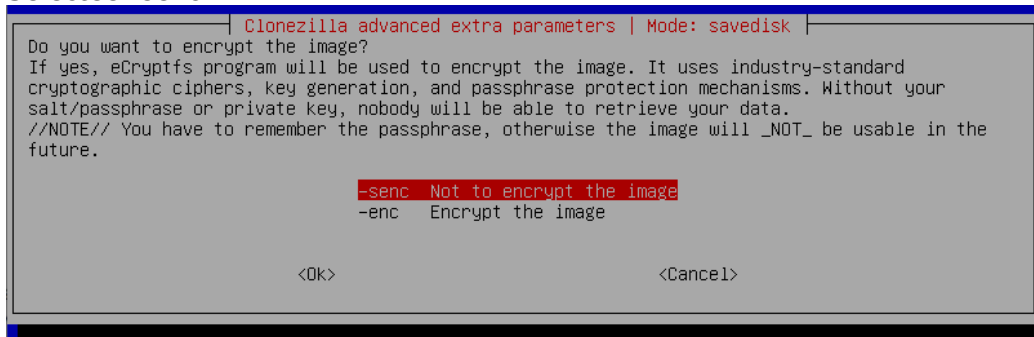
19 Selecteer fsck



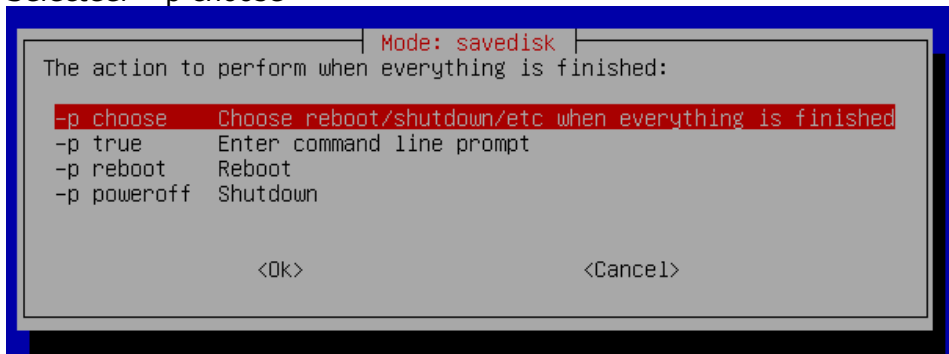
20 Selecteer "yes check the saved image"



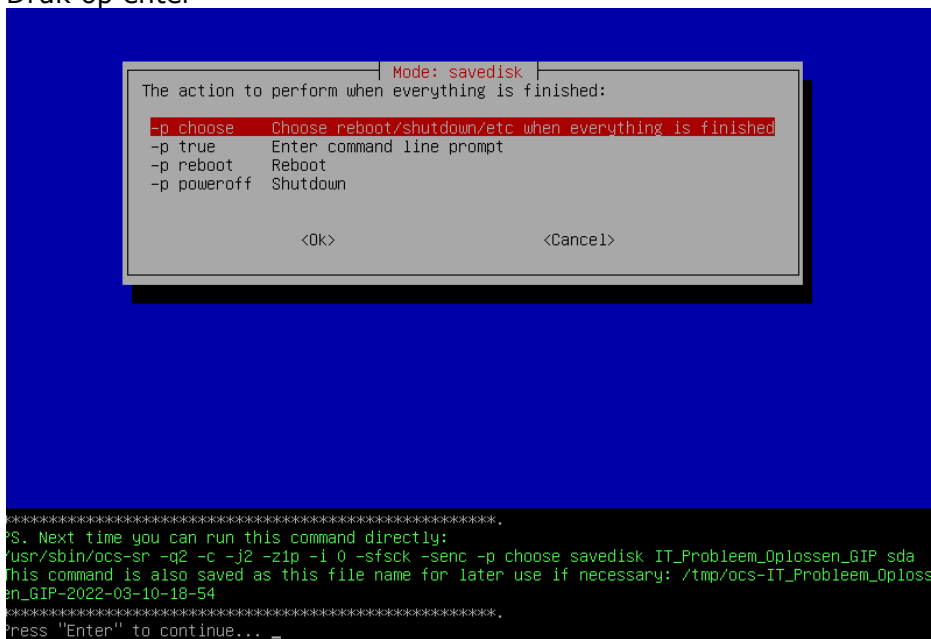
21 Selecteer senc



22 Selecteer "-p choose"



23 Druk op enter



- 24 Hierna moet u twee keer yes (y) intypen (gelieve stap 9 tot 12 van extra virtuele schijf aanmaken te volgen als u na de eerste yes een error krijgt)

```
*****
PS. Next time you can run this command directly:
/usr/sbin/ocs-sr -o2 -c -j2 -z1p -i 0 -fsck -senc -p choose savedisk IT_Probleem_Oplossen_GIP_sda
This command is also saved as this file name for later use if necessary: /tmp/ocs-IT_Probleem_Oplossen_GIP-2022-03-10-18-54
*****
Press "Enter" to continue...
Activating the partition info in /proc... done!
Selected device [sda] found!
The selected devices: sda
Searching for data/swap/extended partition(s)...
Finding all disks and partitions..
Excluding busy partition.....
Excluding linux raid member partition.....
Unmounted partitions (including extended or swap): sda1 sda2 sda3
Collecting info.... done!
The data partition to be saved: sda1 sda2 sda3
Activating the partition info in /proc... done!
Selected device [sda1] found!
Selected device [sda2] found!
Selected device [sda3] found!
The selected devices: sda1 sda2 sda3
Getting /dev/sda1 info...
Getting /dev/sda2 info...
Getting /dev/sda3 info...
*****
The following step is to save the hard disk/partition(s) on this machine as an image:
*****
Machine: VirtualBox
sda (53.7GB_VBOX_HARDDISK__VBOX_HARDDISK_VB49cb2d99-033fc060)
sda1 (50M_ntfs_Door_systeem(In_VBOX_HARDDISK_)_VBOX_HARDDISK_VB49cb2d99-033fc060)
sda2 (49.5G_ntfs(In_VBOX_HARDDISK_)_VBOX_HARDDISK_VB49cb2d99-033fc060)
sda3 (506M_ntfs(In_VBOX_HARDDISK_)_VBOX_HARDDISK_VB49cb2d99-033fc060)
*****
-> "/home/partimag/IT_Probleem_Oplossen_GIP".
Are you sure you want to continue? (y/n) y_
```

- 25 Druk op enter

```
Checked successfully.
The image of this partition is restorable: sda3
*****
All the images of partition or LV devices in this image were checked and they are restorable: 2022-03-10-19-img
Summary of image checking: █
*****
Partition table file for disk was found: sda
MBR file for this disk was found: sda
The image of this partition is restorable: sda1
The image of this partition is restorable: sda2
The image of this partition is restorable: sda3
All the images of partition or LV devices in this image were checked and they are restorable: 2022-03-10-19-img
*****
The mounted bitlocker device was not found. Skip unmounting it.
Now syncing - flush filesystem buffers...
Ending /usr/sbin/ocs-sr at 2022-03-10 19:15:21 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. Otherwise if the boot media you are using is a writable device (such as USB flash drive), and it's mounted, poweroff/reboot in abnormal procedure might make it FAIL to boot next time!
*****
Press "Enter" to continue...
```

- 26 Selecteer poweroff

De image gebruiken op een lege computer.

- 1 Steek het opslag medium met de image in de computer.
- 2 Volg stappen 2 tot 11 van het aanmaken van een image.
- 3 Selecteer de image en druk op enter
- 4 Selecteer beginner mode
- 5 Selecteer restore disk en selecteer daarna uw image
- 6 Selecteer telkens de eerste optie
- 7 Antwoord altijd y als er om gevraagd wordt