7-USING "CLONEZILLA LIVE"

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SUMMARY

Here are the actual steps for using the free "Clonezilla Live" to clone or image backup an existing hard drive or solid state drive (SSD).

USING "CLONEZILLA LIVE"

- Determine the manufacturer's serial numbers for the "source drive" and the "target drive"

- Attach the bootable "CLONEZILLA LIVE" USB thumb drive or CD or DVD to the computer (and make sure that the bootable device is operational)

USING "CLONEZILLA LIVE" continued)

- If the computer is powered up, shut it down. (Many computers will not boot up to a bootable flash drive or a bootable CD or DVD if you do a restart from an operating system that is running.)

USING "CLONEZILLA LIVE" (continued)

- If the computer is powered up, shut it down. (Many computers will not boot up to a bootable flash drive or a bootable CD or DVD if you do a restart from an operating system that is running.)

USING "CLONEZILLA LIVE" (continued)

- Power up or reboot the computer

- Press the key(s) needed to get into the firmware setup for selecting the bootable device

Please press DEL or F2 to enter UEFI BIOS

> **Boot Configuration**

Boot Option Priorities

Boot Option #1	Windows Boot Manager (M.2_3: ▾
Boot Option #2	UEFI: USB (494.2GB) ▾

Boot Override

Windows Boot Manager (M.2_3: KINGSTON SNV2S4000G)

UEFI: USB (494.2GB)

ⓘ Configure the CSM(compatibility support module) items to fully support the various graphics, bootable devices, and add-on devices for a better compatibility.

➤ **Boot Configuration**

Boot Option Priorities

Boot Option #1   Windows Boot Manager (M.2_3: ▾

Boot Option #2   UEFI: USB (494.2GB)   ▾

Boot Override

Windows Boot Manager (M.2_3: KINGSTON SNV2S4000G)

UEFI: USB (494.2GB)

ⓘ Configure the CSM(compatibility support module) items to fully support the various graphics, bootable devices, and add-on devices for a better compatibility.

Boot normally

Windows Boot Manager
EFI VMware Virtual SATA Hard Drive (0.0)
EFI VMware Virtual SATA CDROM Drive (1.0)
EFI Network
EFI VMware Virtual SATA Hard Drive (2.0)
EFI VMware Virtual SATA Hard Drive (3.0)

Enter setup
Reset the system
Shut down the system

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Boot Manager

Boot normally

Windows Boot Manager
EFI VMware Virtual SATA Hard Drive (0.0)
EFI VMware Virtual SATA CDROM Drive (1.0)
EFI Network
EFI VMware Virtual SATA Hard Drive (2.0)
EFI VMware Virtual SATA Hard Drive (3.0)

Enter setup
Reset the system
Shut down the system

Boot Manager

Boot normally

Windows Boot Manager
EFI VMware Virtual SATA Hard Drive (0.0)
EFI VMware Virtual SATA CDROM Drive (1.0)
EFI Network
EFI VMware Virtual SATA Hard Drive (2.0)
EFI VMware Virtual SATA Hard Drive (3.0)

Enter setup
Reset the system
Shut down the system

Device Path:
Pci oot(0x0)/Pci(0x11,0x
0) Pci(0x4,0x0)/Sata(0x1
, 0,0x0)

↑↓=Move Highlight   <Enter>=Select Entry

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USING "CLONEZILLA LIVE" (continued)

- Use the mouse or keyboard to highlight the bootable "Rescuezilla" device

- Then press the Enter key of the keyboard

*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)
 Memtest using Memtest86+
 Network boot via iPXE
 uEFI firmware setup
 Clonezilla live 3.1.1-27-amd64 info

    Use the ↑ and ↓ keys to select which entry is highlighted.
     Press enter to boot the selected OS, `e' to edit the commands before booting or `c' for a command-line.
 The highlighted entry will be executed automatically in 29s.

Clonezilla

Free Software Labs, National Center for High-Performance Computing, Taiwan

Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the selected OS, `e' to edit the commands before booting
The highlighted entry will be executed automatically in 29s

Clonezilla

Free Software

High-Perform

*Clonezilla live (VGA 800x600)
 Clonezilla live (VGA 800x600 & To RAM)
 Clonezilla live (VGA with large font & To RAM)
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 uEFI firmware setup
 Clonezilla live 3.1.1-27-amd64 info

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USING "CLONEZILLA LIVE" (continued)

- Use the up and down arrow keys of the keyboard to select one of the top three options:

*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)
 Memtest using Memtest86+
 Network boot via iPXE
 uEFI firmware setup
 Clonezilla live 3.1.1-27-amd64 info

USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard.

USING "CLONEZILLA LIVE" (continued)

- You will see a black screen while "CLONEZILLA LIVE" scans the computer for hard drives and solid state drives (SSDs)
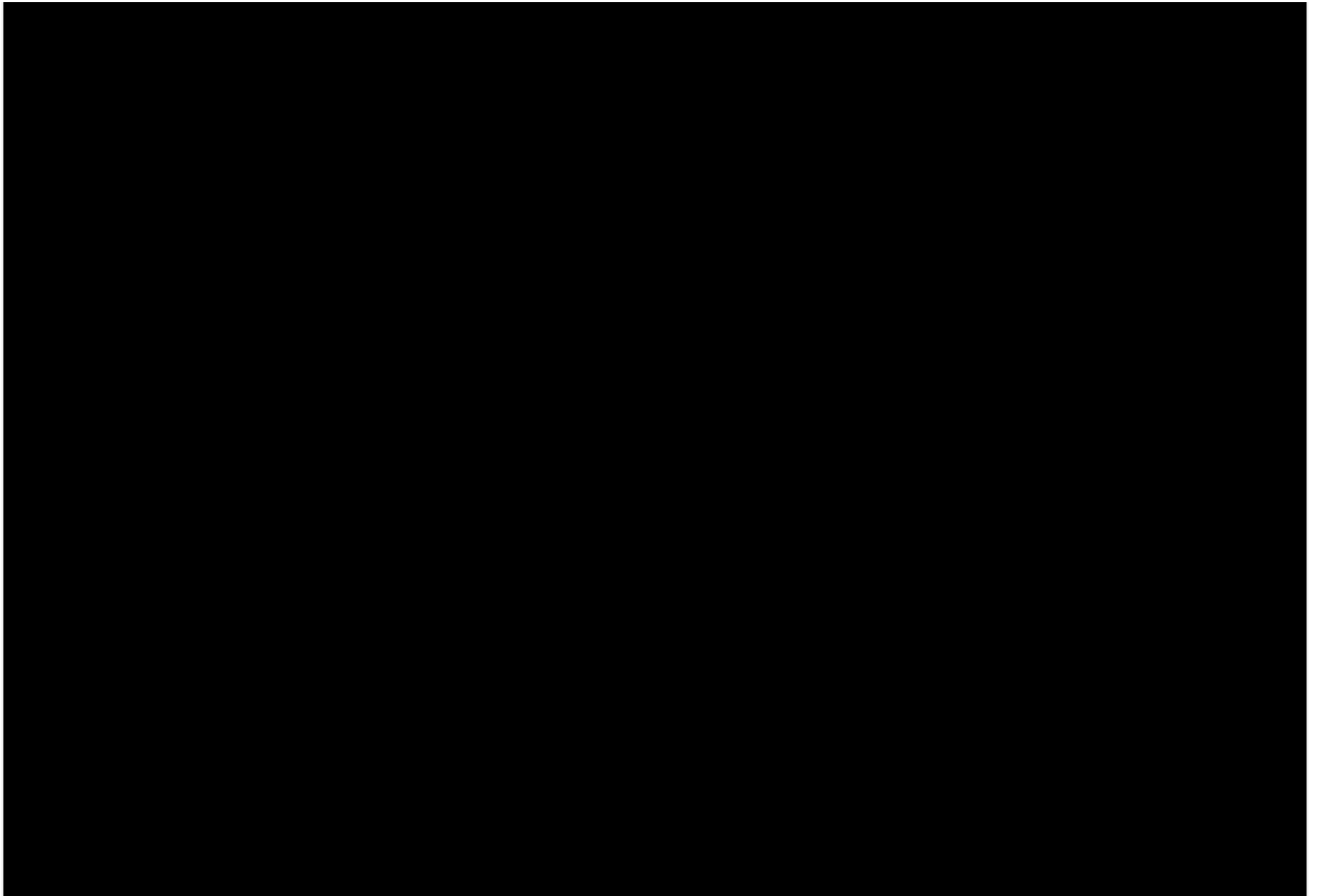
```
Starting to prepare Clonezilla live env...
Live media is in /run/live/medium
Updating /etc/ocs/ocs-live.conf based on kernel parameters if found...
done!
_
```

Free Software Labs, NCHC, Taiwan

```
┌──────────────────┤ Choose language ├──────────────────┐
│ Which language do you prefer:                          │
│                                                        │
│    ca_ES.UTF-8 Catalan | Català                        │
│    de_DE.UTF-8 German | Deutsch                        │
│    el_GR.UTF-8 Greek | Ελληνικά                        │
│    en_US.UTF-8 English                                 │
│    hu_HU.UTF-8 Hungarian | Magyar                      │
│    es_ES.UTF-8 Spanish | Español                       │
│    fr_FR.UTF-8 French | Français                       │
│    it_IT.UTF-8 Italian | Italiano                      │
│    ja_JP.UTF-8 Japanese | 日本語                        │
│    ko_KR.UTF-8 Korean | 한국어                          │
│    pl_PL.UTF-8 Polish | Polski                         │
│    pt_BR.UTF-8 Brazilian Portuguese | Português do Brasil │
│    ru_RU.UTF-8 Russian | Русский                       │
│    sk_SK.UTF-8 Slovak | Slovenský                      │
│    tr_TR.UTF-8 Turkish | Türkçe                        │
│    zh_CN.UTF-8 Chinese (Simplified) | 简体中文           │
│    zh_TW.UTF-8 Chinese (Traditional) | 正體中文 - 臺灣   │
│                                                        │
│                      <Ok>                              │
│                                                        │
└────────────────────────────────────────────────────────┘
```
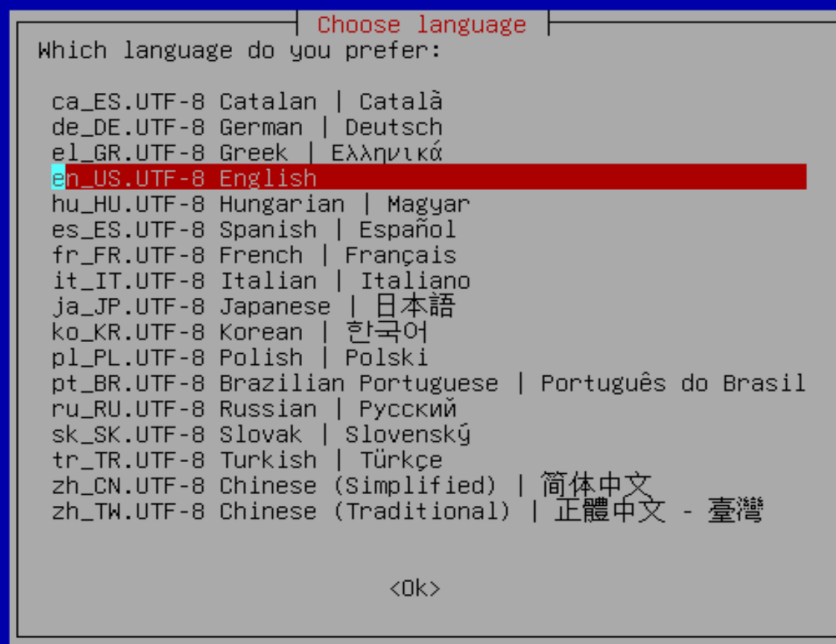
┤ Choose language ├

Which language do you prefer:

```
 ca_ES.UTF-8 Catalan  | Català
 de_DE.UTF-8 German   | Deutsch
 el_GR.UTF-8 Greek    | Ελληνικά
 en_US.UTF-8 English
 hu_HU.UTF-8 Hungarian | Magyar
 es_ES.UTF-8 Spanish  | Español
 fr_FR.UTF-8 French   | Français
 it_IT.UTF-8 Italian  | Italiano
 ja_JP.UTF-8 Japanese | 日本語
 ko_KR.UTF-8 Korean   | 한국어
 pl_PL.UTF-8 Polish   | Polski
 pt_BR.UTF-8 Brazilian Portuguese | Português do Brasil
 ru_RU.UTF-8 Russian  | Русский
 sk_SK.UTF-8 Slovak   | Slovenský
 tr_TR.UTF-8 Turkish  | Türkçe
 zh_CN.UTF-8 Chinese (Simplified)  | 简体中文
 zh_TW.UTF-8 Chinese (Traditional) | 正體中文 - 臺灣
```

<Ok>

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USING "CLONEZILLA LIVE" (continued)

- Press the Tab button of the keyboard to make the "OK" highlight in red:

```
┤ Choose language ├

Which language do you prefer:

 ca_ES.UTF-8 Catalan | Català
 de_DE.UTF-8 German | Deutsch
 el_GR.UTF-8 Greek | Ελληνικά
 en_US.UTF-8 English
 hu_HU.UTF-8 Hungarian | Magyar
 es_ES.UTF-8 Spanish | Español
 fr_FR.UTF-8 French | Français
 it_IT.UTF-8 Italian | Italiano
 ja_JP.UTF-8 Japanese | 日本語
 ko_KR.UTF-8 Korean | 한국어
 pl_PL.UTF-8 Polish | Polski
 pt_BR.UTF-8 Brazilian Portuguese | Português do Brasil
 ru_RU.UTF-8 Russian | Русский
 sk_SK.UTF-8 Slovak | Slovenský
 tr_TR.UTF-8 Turkish | Türkçe
 zh_CN.UTF-8 Chinese (Simplified) | 简体中文
 zh_TW.UTF-8 Chinese (Traditional) | 正體中文 - 臺灣


                      <Ok>
```

USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard:

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USING "CLONEZILLA LIVE" (continued)

- Press the Tab key of the keyboard to make the OK turn red:

```
┤ Keyboard configuration ├
Change keyboard layout?

 Keep    Keep the default keyboard layout - US keyboard
 Change  Change keyboard layout




                        <OK>
```

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USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard:

```
                       ┤ Start Clonezilla ├
   Start Clonezilla or enter login shell (command line)?
   Select mode:

         Start_Clonezilla Start Clonezilla
         Enter_shell      Enter command line prompt



              <Ok>                    <Cancel>
```

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USING "CLONEZILLA LIVE" (continued)

- Press the Tab key of the keyboard to make the OK turn red:

```
┌──────────────┤ Start Clonezilla ├──────────────┐
│ Start Clonezilla or enter login shell (command line)? │
│ Select mode:                                            │
│                                                         │
│    Start_Clonezilla Start Clonezilla                    │
│    Enter_shell      Enter command line prompt           │
│                                                         │
│                                                         │
│         <Ok>                    <Cancel>                │
│                                                         │
└─────────────────────────────────────────────────────────┘
```

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USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard:

USING "CLONEZILLA LIVE" (continued)

- At this point, the top option is for making a "clone" of a drive or a drive partition
and the second option is for making an "image" or restoring from a previously-made "image" of a drive or a drive partition:

```
┤ 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>
```

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USING "CLONEZILLA LIVE" (continued)

- If you wish to clone a drive or a drive partition, press the Down Arrow key of the keyboard once to select "device-device work directly.." and to turn it red.
(F.y.i. the top default option is for device-image
which would let you either create a compressed image file or use a use a previously-made compressed image file to restore to a drive or a drive partition.

```
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
```

USING "CLONEZILLA LIVE" (continued)

- Press the Tab key of the keyboard to turn the "OK" to red:

```
┌─────────────────── 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>                      │
│                                                                                    │
└────────────────────────────────────────────────────────────────────────────────┘
```

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USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard:

Clonezilla - Opensource Clone System (OCS)

Choose the mode to run the following wizard about advanced parameters:

```
Beginner  Beginner mode: Accept the default options
Expert    Expert mode: Choose your own options
Exit      Exit. Enter command line prompt
```

<Ok>   <Cancel>

Clonezilla - Opensource Clone System (OCS)

mode to run the following wizard about advanced para

```
Beginner  Beginner mode: Accept the default options
Expert    Expert mode: Choose your own options
Exit      Exit. Enter command line prompt
```

<Ok>   <Cancel>

USING "CLONEZILLA LIVE" (continued)

- Press the Tab key of the keyboard to turn the OK red:

Clonezilla - Opensource Clone System (OCS)
Choose the mode to run the following wizard about advanced parameters:

Beginner   Beginner mode: Accept the default options
Expert   Expert mode: Choose your own options
Exit   Exit. Enter command line prompt

<Ok>   <Cancel>

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USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard:

```
┤ Clonezilla - Opensource Clone System (OCS) ├
*Clonezilla is free (GPL) software, and comes with ABSOLUTELY NO WARRANTY*
This software will overwrite the data on your hard drive when cloning! It is recommended to
backup important files on the target disk before you cloning!***

        disk_to_local_disk  local_disk_to_local_disk_clone
        part_to_local_part  local_partition_to_local_partition_clone
        exit                Exit. Enter command line prompt


              <Ok>                              <Cancel>
```

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Clonezilla - Opensource Clone System (OCS)

ree (GPL) software, and comes with ABSOLUTELY NO WARRANTY*
ll overwrite the data on your hard drive when cloning! It is n
: files on the target disk before you cloning!***

```
disk_to_local_disk  local_disk_to_local_disk_clone
part_to_local_part  local_partition_to_local_partition_clone
exit                Exit. Enter command line prompt
```

        <Ok>   <Cancel>

USING "CLONEZILLA LIVE" (continued)

- Press the Tab key of the keyboard to make the OK red:

Clonezilla - Opensource Clone System (OCS)

Clonezilla is free (GPL) software, and comes with ABSOLUTELY NO WARRANTY
This software will overwrite the data on your hard drive when cloning! It is recommended to backup important files on the target disk before you cloning!***

```
disk_to_local_disk   local_disk_to_local_disk_clone
part_to_local_part   local_partition_to_local_partition_clone
exit                 Exit. Enter command line prompt
```

<Ok>   <Cancel>

USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard:

```
┌─ Clonezilla - Opensource Clone System (OCS) | Mode: disk_to_local_disk ─┐
│ Choose local disk as source.                                            │
│ 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"...                                       │
│                                                                         │
│        sda 8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_VBe5022d72-74a1888d │
│        sdb 387GB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-3_0_VB72623826-0bed659d  │
│                                                                         │
│                                                                         │
│              <Ok>                              <Cancel>                 │
│                                                                         │
└─────────────────────────────────────────────────────────────────────────┘
```

USING "CLONEZILLA LIVE" (continued)

- Use the up and down arrow keys of the keyboard to highlight in red the "source" hard drive or "source" SSD that has the data and photo files that you wish to clone to the other hard drive or SSD. The "source" hard drive or SSD has to be equal or smaller than the "target" hard drive or SSD.

```
┌──────────┤ Clonezilla - Opensource Clone System (OCS) | Mode: disk_to_local_disk ├──────────┐
Choose local disk as source.
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"...

          sda 8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_VBe5022d72-74a1888d
          sdb 387GB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-3_0_VB72623826-0bed659d


              <Ok>                                    <Cancel>
```

USING "CLONEZILLA LIVE" (continued)

- Use the Tab key of the keyboard to turn the OK to red:

```
┌───────┤ Clonezilla - Opensource Clone System (OCS) | Mode: disk_to_local_disk ├───────┐
│Choose local disk as source.                                                             
│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"...                                                        
│                                                                                         
│          sda 8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_VBe5022d72-74a1888d          
│          sdb 387GB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-3_0_VB72623826-0bed659d           
│                                                                                         
│                                                                                         
│                     <Ok>                              <Cancel>                          
│                                                                                         
└─────────────────────────────────────────────────────────────────────────────────────┘
```

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USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard:

Clonezilla - Opensource Clone System (OCS) | Mode: disk_to_local_disk

Choose local disk as target (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"...

sda 8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_VBe5022d72-74a1888d

<Ok>   <Cancel>

USING "CLONEZILLA LIVE" (continued)

- If you are given a choice, use the up and down arrow keys of the keyboard to select the target hard drive or SSD where you want the files and folders on the source hard drive or SSD to be copied to:

```
┌─ Clonezilla - Opensource Clone System (OCS) | Mode: disk_to_local_disk ─┐
Choose local disk as target (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"...

        sda 8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_VBe5022d72-74a1888d


                <Ok>                                    <Cancel>
```

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USING "CLONEZILLA LIVE" (continued)

- Use the Tab key of the keyboard to make the OK turn red:

Clonezilla - Opensource Clone System (OCS) | Mode: disk_to_local_disk

Choose local disk as target (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"...

sda 8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_VBe5022d72-74a1888d

<Ok>   <Cancel>

USING "CLONEZILLA LIVE" (continued)

- Press the "Enter" key of the keyboard:

```
┌───┤ Clonezilla on-the-fly advanced extra parameters │ Mode: disk_to_local_disk ├───┐
│ Set the advanced parameters (multiple choices available). If you have no idea, keep the default │
│ value and do NOT change anything.:                                                               │
│                                                                                                  │
│        -sfsck    Skip checking/repairing source file system                                      │
│        -fsck     Interactively check and repair source file system before cloning                │
│        -fsck-y   Auto (Caution!) check and repair source file system before cloning              │
│                                                                                                  │
│                                                                                                  │
│                          <Ok>                                    <Cancel>                         │
│                                                                                                  │
└──────────────────────────────────────────────────────────────────────────────────────────────┘
```

┤ Clonezilla on-the-fly advanced extra parameters | Mode: disk_to_local_disk
dvanced parameters (multiple choices available). If you have no idea, keep th
| do NOT change anything.:

-sfsck   Skip checking/repairing source file system
-fsck   Interactively check and repair source file system before cloning
-fsck-y   Auto (Caution!) check and repair source file system before cloning

            <Ok>   <Cancel>

USING "CLONEZILLA LIVE" (continued)

- Use the Tab key of the keyboard turn the "OK" to red:

```
┌────┤ Clonezilla on-the-fly advanced extra parameters │ Mode: disk_to_local_disk ├────┐
│ Set the advanced parameters (multiple choices available). If you have no idea, keep the default
│ value and do NOT change anything.:
│
│        -sfsck    Skip checking/repairing source file system
│        -fsck     Interactively check and repair source file system before cloning
│        -fsck-y   Auto (Caution!) check and repair source file system before cloning
│
│
│                  <Ok>                              <Cancel>
│
└───────────────────────────────────────────────────────────────────────────────────────┘
```

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USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard:

```
┤ Mode: disk_to_local_disk ├
Choose the mode to create the partition table on the target disk: ***ATTENTION***(1) TO CREATE A
NEW PARTITION TABLE ON THE TARGET DISK. ALL THE DATA ON THE TARGET DEVICE WILL BE ERASED!!! (2)█
Clonezilla will not clone a large disk (partition) to a smaller disk (partition). However, it
can clone a small disk (partition) to a larger disk (partition).
If you have no idea, keep the default values and do NOT change anything. Just press Enter.

            -k0    Use the partition table from the source disk
            -k1    Create partition table proportionally
            exit   Exit


                <Ok>                                    <Cancel>
```

ate the partition table on the target disk: ***ATTEN
 THE TARGET DISK. ALL THE DATA ON THE TARGET DEVICE
one a large disk (partition) to a smaller disk (part
 (partition) to a larger disk (partition).
eep the default values and do NOT change anything. J

```
-k0    Use the partition table from the source disk
-k1    Create partition table proportionally
exit   Exit
```

         <Ok>   <Cancel>

USING "CLONEZILLA LIVE" (continued)

- Use the Tab key of the keyboard to turn the OK to red:

```
┤ Mode: disk_to_local_disk ├
Choose the mode to create the partition table on the target disk: ***ATTENTION***(1) TO CREATE A
NEW PARTITION TABLE ON THE TARGET DISK. ALL THE DATA ON THE TARGET DEVICE WILL BE ERASED!!! (2)
Clonezilla will not clone a large disk (partition) to a smaller disk (partition). However, it
can clone a small disk (partition) to a larger disk (partition).
If you have no idea, keep the default values and do NOT change anything. Just press Enter.

          -k0    Use the partition table from the source disk
          -k1    Create partition table proportionally
          exit   Exit


              <Ok>                                      <Cancel>
```

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USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard:

```
                    ┤ Mode: disk_to_local_disk ├
 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>
```

USING "CLONEZILLA LIVE" (continued)

- Use the Tab key of the keyboard to turn the OK to red:

USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard:

Mode: disk_to_local_disk

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>

PS. Next time you can run this command directly:
/usr/sbin/ocs-onthefly -g auto -e1 auto -e2 -r -j2 -sfsck -k0 -p choose -f sdb -d sda
This command is also saved as this file name for later use if necessary: /tmp/ocs-onthefly-2024-03-1
4-00-45
**.
Press "Enter" to continue...

80

USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard:

```
PS. Next time you can run this command directly:
/usr/sbin/ocs-onthefly -g auto -e1 auto -e2 -r -j2 -sfsck -k0 -p choose  -f sdb -d sda
This command is also saved as this file name for later use if necessary: /tmp/ocs-onthefly-2024-03-1
4-00-45
*******************************************.
Press "Enter" to continue...
*******************************************.
opt_for_ocs_sr_restore_this_run: -g auto -e1 auto -e2 -r -j2 -sfsck -k0
*******************************************.
*******************************************.
Searching for data partition(s)...
Finding all disks and partitions..
Excluding busy partition.....
Excluding linux raid member partition...
Unmounted partitions (including extended or swap):
Collecting info. done!
WARNING!!! WARNING!!! WARNING!!!
WARNING! THE EXISTING DATA IN THIS HARDDISK/PARTITION(S) WILL BE OVERWRITTEN! ALL EXISTING DATA WILL
 BE LOST: sda
*******************************************.
Machine: VirtualBox
sda (8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_VBe5022d72-74a1888d)
*******************************************.
Are you sure you want to continue? (y/n) _
```

82

```
**********************************************************************.
Machine: VirtualBox
sda (8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_VBe502
**********************************************************************.
Are you sure you want to continue? (y/n) _
```

83

USING "CLONEZILLA LIVE" (continued)

- Use the keyboard to type in a lower case y:

```
PS. Next time you can run this command directly:
/usr/sbin/ocs-onthefly -g auto -e1 auto -e2 -r -j2 -sfsck -k0 -p choose  -f sdb -d sda
This command is also saved as this file name for later use if necessary: /tmp/ocs-onthefly-2024-03-1
4-00-45
*********************************************************.
Press "Enter" to continue...
*********************************************************.
opt_for_ocs_sr_restore_this_run: -g auto -e1 auto -e2 -r -j2 -sfsck -k0
*********************************************************.
*********************************************************.
Searching for data partition(s)...
Finding all disks and partitions..
Excluding busy partition.....
Excluding linux raid member partition...
Unmounted partitions (including extended or swap):
Collecting info. done!
WARNING!!! WARNING!!! WARNING!!!
WARNING! THE EXISTING DATA IN THIS HARDDISK/PARTITION(S) WILL BE OVERWRITTEN! ALL EXISTING DATA WILL
 BE LOST: sda
*********************************************************.
Machine: VirtualBox
sda (8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_VBe5022d72-74a1888d)
*********************************************************.
Are you sure you want to continue? (y/n) y
```

```
sda (8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-a
*****************************************************
Are you sure you want to continue? (y/n) y
```

USING "CLONEZILLA LIVE" (continued)

- Press the Enter key of the keyboard:

```
WARNING!!! WARNING!!! WARNING!!!
WARNING! THE EXISTING DATA IN THIS HARDDISK/PARTITION(S) WILL BE OVERWRITTEN! ALL EXISTING DATA WILL
 BE LOST: sda
**************************************************.
Machine: VirtualBox
sda (8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_VBe5022d72-74a1888d)
**************************************************.
Are you sure you want to continue? (y/n) y
OK, let's do it!!
**************************************************.
Let me ask you again.
WARNING!!! WARNING!!! WARNING!!!
WARNING! THE EXISTING DATA IN THIS HARDDISK/PARTITION(S) WILL BE OVERWRITTEN! ALL EXISTING DATA WILL
 BE LOST: sda
**************************************************.
Machine: VirtualBox
sda (8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_VBe5022d72-74a1888d)
**************************************************.
Are you sure you want to continue? (y/n)
```

USING "CLONEZILLA LIVE" (continued)

- Use the keyboard to type a lower case y

```
OK, let's do it!!
*************************************************.
Let me ask you again.
WARNING!!! WARNING!!! WARNING!!!
WARNING! THE EXISTING DATA IN THIS HARDDISK/PARTITION(S) WILL BE OVERWRITTEN! ALL EXISTING DATA WILL
 BE LOST: sda
*************************************************.
Machine: VirtualBox
sda (8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_VBe5022d72-74a1888d)
*************************************************.
Are you sure you want to continue? (y/n) y
```

```
Machine: VirtualBox
sda (8590MB_VBOX_HARDDISK__pci-0000_00_0d_0-ata-2_0_V
**********************************************************************
Are you sure you want to continue? (y/n) y
```

USING "CLONEZILLA LIVE" (continued)

- Press the Enter key on the keyboard:

```
******************************************************.
When everything is done, remember to use 'poweroff', 'reboot'
roff/reboot procedure. Otherwise if the boot media you are us
lash drive), and it's mounted, poweroff/reboot in abnormal pr
 time!
******************************************************.
Press "Enter" to continue...
```

93

```
renamed '/tmp/d2d-pseudo-tmp-cnvted/sdb-gpt.gdisk' -> '/tmp/d2d-pseudo-tmp-cnvted/sda-gpt.gdisk'
renamed '/tmp/d2d-pseudo-tmp-cnvted/sdb-gpt.sgdisk' -> '/tmp/d2d-pseudo-tmp-cnvted/sda-gpt.sgdisk'
renamed '/tmp/d2d-pseudo-tmp-cnvted/sdb-mbr' -> '/tmp/d2d-pseudo-tmp-cnvted/sda-mbr'
renamed '/tmp/d2d-pseudo-tmp-cnvted/sdb-pt.parted' -> '/tmp/d2d-pseudo-tmp-cnvted/sda-pt.parted'
renamed '/tmp/d2d-pseudo-tmp-cnvted/sdb-pt.parted.compact' -> '/tmp/d2d-pseudo-tmp-cnvted/sda-pt.par
ted.compact'
renamed '/tmp/d2d-pseudo-tmp-cnvted/sdb-pt.sf' -> '/tmp/d2d-pseudo-tmp-cnvted/sda-pt.sf'
The created image is "/tmp/d2d-pseudo-tmp-cnvted".
Activating the partition info in /proc... done!
Shutting down the Logical Volume Manager
Finished Shutting down the Logical Volume Manager
Shutting down the Logical Volume Manager
Finished Shutting down the Logical Volume Manager
Creating partition in /dev/sda...
***************************************************.
Destination disk is too small!
Destination disk size: 16777216 sectors (8.5 GB)
Source disk size from the image: 754974720 sectors (386.5 GB)
Program terminated!!
Checking if udevd rules have to be restored...
Now syncing - flush filesystem buffers...
Ending /usr/sbin/ocs-onthefly at 2024-03-14 00:53:20 UTC...
///NOTE/// Remember to remove the source disk or the cloned destination disk before you boot this ma
chine.
Otherwise when two identical systems exist on the same machine, the restored OS will be confused, an
d the booting might fail.
***************************************************.
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 powe
roff/reboot procedure. Otherwise if the boot media you are using is a writable device (such as USB f
lash drive), and it's mounted, poweroff/reboot in abnormal procedure might make it FAIL to boot next
 time!
***************************************************.
Press "Enter" to continue...
```

USING "CLONEZILLA LIVE" (continued)

- Select the desired option. Then press the Enter key on the keyboard:

```
┤ Choose mode ├
Now you can choose to:

 poweroff  Poweroff
 reboot    Reboot
 cmd       Enter command line prompt
 rerun1    Start over (image repository /home/partimag, if mounted, will be umounted)


                              <Ok>
```

ADDITIONAL INFORMATION

- https://www.tecmint.com/linux-centos-ubuntu-disk-cloning-backup-using-clonezilla/