

CLONEZILLA BACKUP AND RESTORE INSTRUCTIONS

GENERAL CAUTIONS

Misinterpreting these instructions can corrupt the Operating System on the server/workstation, and require a complete reinstallation of the Operating System and machine-specific software. If you have any questions as to how to proceed contact someone who has performed these operations before or Webb Pinner (webbpinner@gmail.com, ph:401.749.9322)

The tool used for these backup/restore procedures is Clonezilla. This software is freely available at <http://clonezilla.org>. The software is installed to a bootable CD or USB drive.

Unfortunately there is no back button with Clonezilla. If you mis-select an option you will need to hit CTRL-ALT-DEL to reboot the system and start again. This does not apply if you have already reached the backup/restore progress screen. If you have already reached the backup/restore progress screen just let the process continue. Interrupting the process at this stage will certainly leave the system unusable.

BACKUP INSTRUCTIONS:

1. Boot off Clonezilla CD/USB Drive. Typically this means pressing F12 at the BIOS boot prompt to enter the “One-time boot options menu”. Once at the boot options menu, select the device containing the Clonezilla software.
Use the Up/Down arrows to select the option, Enter to proceed.
2. At the Clonezilla start menu choose Clonezilla live (Default settings, VGA 800x600)
Use the Up/Down arrows to select the option, Enter to proceed.
3. Menu Title: Choose Language:
Select en_US.UTF-8 English
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
4. Menu Title: Configuring console-data:
Select Don't touch keymap
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
5. Menu Title: Start Clonezilla:
Select Start_Clonezilla Start Clonezilla
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
6. Menu Title: Clonezilla - Opensource Clone System (OCS)
Select device-image work with disks or partitions using images
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
7. Menu Title: Mount Clonezilla image directory:
Select local_dev Use local device (E.g.: hard drive, USB drive)
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
8. The screen switches to a Terminal-style interface
When prompted, Press Enter to continue
You will see a list of the hard drives (and USB drives) that are currently connected to the computer. Usually the first drive is the one that holds the OS. The last drive listed is usually the USB drive, if one is connected.
When prompted, Press Ctrl-C to exit this window
9. Menu Title: Clonezilla - Opensource Clone System (OSC) I Mode:
Select the device to save the image to. This is usually the last option.
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
10. Menu Title: Directory Browser for Clonezilla image repository
Pick the directory to on the selected device to save the image to. Not selecting any option will save the image to the root of that device.
Use the Up/Down arrows to select the folder, Enter to select the folder. When at the correct folder, use TAB to select the Done button, Enter to proceed.
11. The screen switches to a Terminal-style interface
When prompted, Press Enter to continue

CAPABLE SOLUTIONS

OCEANOGRAPHIC DATA MANAGEMENT

12. Menu Title: Clonezilla - Opensource Clone System (OCS)
Select Beginner Beginner mode: Accept the default options
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
13. Menu Title: Clonezilla - Opensource Clone System (OCS): Select mode
Select savedisk Save_local_disk_as_an_image
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
14. Menu Title: Clonezilla - Opensource Clone System (OCS) | Mode: savedisk
Choose a name for the image or accept the default
Use TAB to select the OK button, Enter to proceed.
15. Menu Title: Clonezilla - Opensource Clone System (OCS) | Mode: savedisk
Select the drive to backup. This is probably "sda"
Use the Up/Down arrows to select the drive, Space to confirm the selection. You will see a "*" between the [] when the drive has been selected.
Use TAB to select the OK button, Enter to proceed.
16. Menu Title: Clonezilla advanced extra parameters | Mode: savedisk
Select -fsck Skip checking/repairing source file system
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
17. Menu Title: Clonezilla advanced extra parameters | Mode: savedisk
Select Yes, check the saved image
Use TAB to select the OK button, Enter to proceed.
18. Menu Title: Clonezilla advanced extra parameters | Mode: savedisk
Select -senc Not to encrypt the image
Use TAB to select the OK button, Enter to proceed.
19. Menu Title: Mode:save disk
Select -p reboot Reboot
Use TAB to select the OK button, Enter to proceed.
20. The screen switches to a Terminal-style interface
When prompted, Press "Enter" to continue
When prompted with "Are you sure you want to continue? (y/n)", press 'y' followed by Enter to confirm
21. This should start the progress screen
When the backup process has completed you may be prompted to answer a question on how to process. It is recommended to select reboot.
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
22. Remove the Clonezilla boot media and press ENTER to continue:
23. The system should reboot as normal.

RESTORE INSTRUCTIONS:

1. Boot off Clonezilla CD/USB Drive.
Typically this means pressing F12 at the BIOS boot prompt to enter the "One-time boot options menu". Once at the boot options menu, select the device containing the Clonezilla software.
Use the Up/Down arrows to select the option, Enter to proceed.
2. At the Clonezilla start menu select Clonezilla live (Default settings, VGA 800x600)
Use the Up/Down arrows to select the option, Enter to proceed.
3. Menu Title: Choose Language:
Select en_US.UTF-8 English
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
4. Menu Title: Configuring console-data:
Select Don't touch keymap
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
5. Menu Title: Start Clonezilla:
Select Start_Clonezilla Start Clonezilla
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
6. Menu Title: Clonezilla - Opensource Clone System (OCS)
Select device-image work with disks or partitions using images
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
7. Menu Title: Mount Clonezilla image directory:
Select local_dev Use local device (E.g.: hard drive, USB drive)
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
8. The screen switches to a Terminal-style interface
When prompted, Press Enter to continue
You will see a list of the hard drives (and USB drives) that are currently connected to the computer. Usually the first drive in the one that holds the OS. The last drive listed is usually the USB drive, if one is connected.
When prompted, Press Ctrl-C to exit this window
9. Menu Title: Clonezilla - Opensource Clone System (OSC) I Mode:
Select the device to read the image from. This is usually the last option.
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
10. Menu Title: Directory Browser for Clonezilla image repository
Pick the directory to on the selected device to save the image to. Not selecting any option will save the image to the root of that device.
Use the Up/Down arrows to select the folder, Enter to select the folder. When at the correct folder, use TAB to select the Done button, Enter to proceed.
11. The screen switches to a Terminal-style interface

CAPABLE SOLUTIONS

OCEANOGRAPHIC DATA MANAGEMENT

When prompted, Press Enter to continue

12. Menu Title: Clonezilla - Opensource Clone System (OCS)
Select Beginner Beginner mode: Accept the default options
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
13. Menu Title: Clonezilla - Opensource Clone System (OCS): Select mode
Select restoredisk Restore_an_image_to_local_disk
Tab to select Ok, Enter to continue
14. Menu Title: Clonezilla - Opensource Clone System (OCS) | Mode: restoredisk
Select the image to use for the restore
Tab to select OK, Enter to continue
15. Menu Title: Clonezilla - Opensource Clone System (OCS) | Mode: restoredisk
Select the disk to restore.
Use the Up/Down arrow to select the disk This is probably sda
Use Tab to select Ok, press Enter to Proceed
16. Menu Title: Clonezilla advanced extra parameters | Mode: restoredisk
Select Yes, check the image before restoring
Tab choose OK, Enter to proceed
17. Menu Title: Clonezilla advanced extra parameters | Mode: restoredisk
Confirm Yes, check the saved image
Tab to select OK, Enter to proceed
18. Menu Title: Mode: restoredisk
Select -p reboot Reboot
Tab to select OK, Enter to select
19. The screen switches to a Terminal-style interface
Press "Enter" to continue
When prompted: "Are you sure you want to continue? (y/n)", press 'y'
If you are restoring more than 1 partition (i.e. the OS partition and swap disk) you may have to do this more than once.
20. This should start the progress screen
When the restore process has completed you may be prompted to answer a question on how to process. It is recommended to select reboot.
Use the Up/Down arrows to select the option, TAB to select the OK button, Enter to proceed.
21. Remove the Clonezilla boot media and press ENTER to continue:
22. The system should reboot as normal.