



OBJECTIFS:

- Créer une clé Bootable avec :
- - 1 antivirus : Kaspersky
- - 1 distribution debian
- - 1 distribution windows
- - 1 logiciel de test mémoire vive : memtest
- - 1 logiciel de partitionnement et de clonage : GParted

CRÉATION D'UNE CLÉ USB BOOTABLE

• En premier lieu on devait choisir un outil de création de clé bootable :









NOTRE CHOIX : VENTOY



 Nous avons choisi ventoy car nous avons trouvé l'outil très simple d'utilisation et rapide.

COMPARATIF DES ANTI-VIRUS :

Kaspersky	TotalAV	PCProtect
V	V	V
*	V	V
V	V	*
V	V	*
V	V	V
	Kaspersky Kasper	Kaspersky TotalAV Image: Additional and the second an

CRÉATION DE LA CLÉ VIA VENTOY :

D: [32GB] TONPHA USB 2.0 CI	lassic 🗸 🤇
Ventoy In Package 1.0.35 MBR	Ventoy In Device
Status - READY	
Install	Update

Nom de la clé reconnu

```
OK
```

CRÉATION DE LA CLÉ VIA VENTOY :

Une fois que Ventoy est installé il suffit tout simplement de glisser les iso des logiciels dans la clé tout simplement :

🖏 17% terminé —		×
Copie de 4 éléments de Téléchargements vers Ventoy (F:) 17% terminé	П	×
✓ Plus de détails		

Add Hardware Wizard Hardware Type What type of hardware do	ou want to install?	×	Add Hardware Wizard Select a Disk Type What kind of disk do you want to create?	×
Hardware types: Hard Disk CD/DVD Drive Floppy Drive Network Adapter USB Controller USB Controller USB Controller Serial Port Serial Port Printer Generic SCSI Device Trusted Platform Module	Explanation Add a hard disk.		Virtual disk type DE SCSI SATA NVMe (Recommended)	
	< Back Next >	Cancel	< Back Next >	Cancel

×

Add Hardware Wizard

Select a Disk

Which disk do you want to use?

Disk

O Create a new virtual disk

A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.

O Use an existing virtual disk

Choose this option to reuse a previously configured disk.

Use a physical disk (for advanced users)

Choose this option to give the virtual machine direct access to a local hard disk. Requires administrator privileges.

< Back

PNext >

Cancel

Add Hardware Wizard × Select a Physical Disk Which local hard disk do you want this virtual machine to use? Accessing raw disks may cause a loss of data or the inability to boot, especially if the raw disk partition is used as the boot device. For more information, see the section in the product manual about using physical disks. Device PhysicalDrive1 Usage Use entire disk O Use individual partitions < Back Next > Cancel

Add Hardware Wizard		×	
Specify Disk File Where would you like to store the disk file?			
Disk file This virtual disk file will store the partition information for the se	elected physical disk		
	10	Firmware type	
Windows 10 x64-1.vmdk	Browse	Changing firmware might cause the in operating system to become unbootal	istalled guest ble.
		BIOS	
		◯ UEFI	
		Enable secure boot	
< Back Finis	sh Cancel		

Start Up Guest	Ctrl+
Shut Down Guest	Ctrl+
Suspend Guest	Ctrl+
📿 Restart Guest	Ctrl+I
Power On	
Power Off	
Suspend	
Reset	
Power On to Firmware	•



TEST UTILITAIRE MÉMOIRE VIVE :

https://gparted.org

BParted Live (Default settings) BParted Live (Default settings, RHS with large font & To RHM) Other modes of BParted Live Local operating system in harddrive (if available) Memory test using Memtest86+

Press ITabl to edit options

Run memory test using Memtest86+



Mentest86+ 5.81	Intel(R)	Core(TM) 15-4210H CPU @ 2.90GHz
CLK: 2893 MHz (X64 Mode)	Pass 8%	0.0.0
L1 Cache: 32K 289270 MB/s	Test 94%	
L2 Cache: 256K 56719 MB/s	Test #5	[Moving inversions, 8 bit pattern]
L3 Cache: 3072X 222515 MB/s	Testing:	1024K - 2047M 2046M of 2043M
Мемогу : 2043М 10480 MB/s	Pattern:	81818181 : Time: 8:88:59
Core#: 0		. **** FAIL SAFE **** FAIL SAFE ****
State: -		No detection, same reliability
Cores: 1 Active / 1 Total	(Run: A11)	: Pass: Ø Errors: Ø





• Possibilité de lancer un scan directement au démarrage du logiciel :



• Une fois le scan fini il nous donne le nombre d'éléments scanner et on peut voir les détails.



UTILISATION DU LOGICIEL DE CLONAGE : GPARTED

Configuring console-data The keymap records the layout of symbols on the keyboard. - 'Select keymap from arch list': select one of the predefined keymaps specific for your architecture (recommended for non-USB keyboards); - 'Don't touch keymap': don't overwrite the keymap in /etc/console, which is maintained manually with install-keymap(8): 'Keep kernel keymap': prevent any keymap from being loaded next time the system boots: 'Select keymap from full list': list all the predefined keymaps. -Recommended when using cross-architecture (often USB) keyboards. Policy for handling keymaps: Select keymap from arch list Don't touch keymap Keep kernel keymap Select keymap from full list <Ok> <Cancel>



Q

UTILISATION DU LOGICIEL DE CLONAGE : GPARTED

01: Portuguese (Brazilian) 19: Macedonian 02: British English 20: Norwegian 03: Bulgarian 21: Nepali 04: Catalan 22: Portuguese 05: C. Which mode do you prefer ? 07: F(O) Continue to start X to use GParted automatically 08: F(1) Run 'Forcevideo' to config X manually 09: C(2) Enter command line prompt 10: 6[0] × 11: Greek 29: Traditional Chinese (Hong Kong) 12: Hebrew 30: Traditional Chinese (Taiwan) 13: Hungarian 31: Turkish 14: Italian 32: Ukrainian 15: Japan 33: US English 16: Kinyarwanda 34: Vietnamese 17: Lithuanian 35: Polish 18: Latvian hich language do you prefer ?

hich language do you prefer ? [33] 08

UTILISATION DU LOGICIEL DE CLONAGE : CLONAGE D'UN DISQUE

0 2	/dew/sda-	GParted		10100	C 🕰	. ideacatte - rah	eted.			10100
GParted Edit View Device	Partition Help				GParted Edit View	Device Partition Help				
🕐 😣 😣 1	2 9 1		<u>کار محمد (5</u>	00.00 GiB) 🕶		5 🛍 🥱 🖌 👘			dev/sdi	b (55.00 Gi8) 🔹
		unallocated 457.00 GiB			0=	Paste ideal	ida I			
Partition File System	Size	Used	Unused	Flags	Partition					Flags
/dev/sda1 ext4	- New	12 GiB	33.88 GiB boot		unallocated	Minimum size: 44032 MiB	Maximum	size: 56319 M	68	
unallocated III unallocated	@ Delete	Delete	144			Free space preceding (MiB):	0	+		
	M Besize/Move					New size (MiR)-	44032	- 4		
	Sopy :	Child(C				New York (New)				
	Plaste	Ctri+V				Free space following (MiB):	12287			
	Sermat to	•				Alian to:	MiB			
	Open Encryption					Conflict one	1.5977			
	Mount							Cancel	Paste	
	Name Partition									
	Manage Flags									
	Check									
0 operations pending	Label File System				0 operations pending					
10.1	New UUJD									
	S Information			2	the second second					-
 Workspace 1 • 24 jun, Mon 03 03 0 	5	Mes	sda - GParted	_	Workspace 1 + 24 Jun. H	lon 03 02 41 🔹 🔣 - Vdewind	b - GParterd	10	Parts	e Adev/sida t

UTILISATION DU LOGICIEL DE CLONAGE : CRÉATION D'UNE NOUVELLE PARTITION



		Differing	CTION	ille partition	1	
• • •		_	_			
Taille	minimalo :	1 Mie	1	faille maximale : 61111 M	lio	
Espace libre précédent (Mio) :		1 -	+	Créer comme 1	Partition prima	sire 👻
Nouvelle taille (Mio) :	61111	-		Nom de la partition ;		
Espace libre suivant (Mio) i	0		+	Système de fichiers :	ecti	
Aligner sur :	Mio		•	Étiquette :		
					Cancel	Add

1 opération en attenta

TEST MÉMOIRE VIVE : MEMTEST

Core#: 8	: FAIL SAFE FAIL SAFE
State: -	No detection, same reliability
Cores: 1 Active ≠ 1 Total (Run:	All) : Pass: 0 Errors: 0
L3 Cache: 3072K 222511 MB/s : Tes:	ting: 1824K - 2847M 2846M of 2843M
Memory : 2043M 10114 MB/s : Pat	tern: address Time: 8:88:81
L1 Cache: 32K 192843 MB/s ; Tes: L2 Cache: 256K 51654 MB/s ; Tes:	t 41% ###################################
Mentest86 5.81 Inte	el(R) Core(TM) i5-4218H CPU @ 2.90GHz
CLK: 2893 MHz (X64 Mode) Pas	s 8%

==> Press F1 to enter Fail-Safe Mode <== ==> Press F2 to force Multi-Threading (SMP) <==

(ESC)exit (c)configuration (SP)scroll_lock (CR)scroll_unlock

(ESC)exit (c)configuration (SP)scroll_lock (CR)scroll_unlock

DISTRIBUTION LIVE DEBIAN :





LA PRÉSENTATION VOUS A-T-ELLE PLU ??