

Compte rendu TP 5

Exercice 1 :

Question 1

Modifier les paramètres | Ubuntu_BRUG_1

Matériel virtuel Options VM

AJOUTER UN PÉRIPHÉRIQUE

> CPU	2		
> Mémoire	1.5		Go
> Disque dur 1	40	Go	
▼ Nouveau disque dur *	5	Go	
Taille maximale	1,03 To		
Stratégie de stockage VM	Valeur par défaut de la banque de données		
Emplacement	Enregistrer avec la machine virtuelle		
Provisionnement du disque	Provisionnement dynamique		
Partage	Non spécifié		
Parts	Normale	1000	
Limite - IOPS	Illimité		
Mode Disque	Dépendant		
Nœud de périphérique virtuel	Contrôleur SCSI 0	SCSI(O : 1) Nouveau disque dur	
> Contrôleur SCSI 0	Paravirtuel VMware		
> Adaptateur réseau 1	LabosVM	<input checked="" type="checkbox"/>	Connecter...
> Adaptateur réseau 2	ICS_E25_2025	<input checked="" type="checkbox"/>	Connecter...

ANNULER OK

Question 2 :

Disk identifier: 0xce120334

Device	Boot	Start	End	Sectors	Size	Id	Type
/dev/sdb1		2048	4196351	4194304	2G	83	Linux
/dev/sdb2		4196352	10485759	6289408	3G	7	HPFS/NTFS/exFAT

Question 3 :

```
Disk /dev/sdb: 5 GiB, 5368709120 bytes, 10485760 sectors
Disk model: Virtual disk
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
```

Question 4 :

```
I/O size (minimum/optimal): 512 bytes / 512 bytes
[09:07] - User@SRV:~$ sudo mkfs.ext4 /dev/sdb1
mke2fs 1.46.5 (30-Dec-2021)
Discarding device blocks: done
Creating filesystem with 524288 4k blocks and 131072 inodes
Filesystem UUID: 6ec226a1-18a1-41e6-8fff-f73036ebacd6
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912

Allocating group tables: done
Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done

[09:09] - User@SRV:~$ sudo mkfs.ext4 /dev/sdb2
mke2fs 1.46.5 (30-Dec-2021)
Discarding device blocks: done
Creating filesystem with 786176 4k blocks and 196608 inodes
Filesystem UUID: 3a4176d4-3edf-47e5-8000-721009f9a4af
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912

Allocating group tables: done
Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done
```

Exercice 2 :

Question 2 :

```
Disklabel type: dos
Disk identifier: 0x53750e3f

Device      Boot Start      End  Sectors  Size Id Type
/dev/sdb1                2048 10485759 10483712   5G 8e Linux LVM
```

Question 3 :

```
"/dev/sdb1" is a new physical volume of "<5.00 GiB"
--- NEW Physical volume ---
PV Name           /dev/sdb1
VG Name
PV Size           <5.00 GiB
Allocatable       NO
PE Size           0
Total PE          0
Free PE           0
Allocated PE      0
PV UUID           mlAXoy-52NI-ZR0w-AFjV-JLN2-icM1-tr9Drk
```

Question 4 :

```
--- Volume group ---
VG Name           vg00
System ID
Format            lvm2
Metadata Areas     1
Metadata Sequence No 1
VG Access          read/write
VG Status          resizable
MAX LV            0
Cur LV            0
Open LV            0
Max PV             0
Cur PV            1
Act PV             1
VG Size            <5.00 GiB
PE Size            4.00 MiB
Total PE           1279
Alloc PE / Size    0 / 0
Free PE / Size     1279 / <5.00 GiB
VG UUID            oj049X-zq3B-f37w-Qao8-a216-hA3h-nEgLR
```

Question : 5

```
128 KiB (minimum optimal) 128 KiB 128 KiB 128 KiB
User@client:~$ sudo lvscan
ACTIVE            '/dev/vg00/lvData' [ <5.00 GiB] inherit
ACTIVE            '/dev/sysvg/root' [12.00 GiB] inherit
ACTIVE            '/dev/sysvg/home' [4.00 GiB] inherit
ACTIVE            '/dev/sysvg/opt' [2.00 GiB] inherit
ACTIVE            '/dev/sysvg/tmp' [3.00 GiB] inherit
ACTIVE            '/dev/sysvg/var' [4.00 GiB] inherit
ACTIVE            '/dev/sysvg/log' [4.00 GiB] inherit
ACTIVE            '/dev/sysvg/audit' [4.00 GiB] inherit
User@client:~$
```

Question 6 :

```
Disk /dev/vg00/lvData: 5 GiB, 5364514816 bytes, 10477568 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0x5e171567
```

Device	Boot	Start	End	Sectors	Size	Id	Type
/dev/vg00/lvData1		2048	10477567	10475520	5G	83	Linux

```
User@client:~$ sudo mkfs -t ext4 /dev/vg00/lvData
mke2fs 1.46.5 (30-Dec-2021)
Found a dos partition table in /dev/vg00/lvData
Proceed anyway? (y,N) y
Discarding device blocks: done
Creating filesystem with 1309696 4k blocks and 327680 inodes
Filesystem UUID: 0ea5f867-8f71-42ff-ba21-56c460cf3059
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912, 819200, 884736

Allocating group tables: done
Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done
```

Question 7 :

```
User@client:~$ sudo vgextend vg00 /dev/sdc1
Volume group "vg00" successfully extended
User@client:~$ sudo pvdisplay
--- Physical volume ---
PV Name               /dev/sdb1
VG Name                vg00
PV Size                <5.00 GiB / not usable 3.00 MiB
Allocatable            yes (but full)
PE Size                4.00 MiB
Total PE               1279
Free PE                0
Allocated PE           1279
PV UUID                mlAXoy-52NI-2R0w-AFjV-JLN2-icM1-tr9Drk

--- Physical volume ---
PV Name               /dev/sdc1
VG Name                vg00
PV Size                <7.00 GiB / not usable 3.00 MiB
Allocatable            yes
PE Size                4.00 MiB
Total PE               1791
Free PE                1791
Allocated PE           0
PV UUID                dTP44o-1xP3-DjhM-5zMU-YHBq-i3vK-PFyteB
```