

## **ONMSi Linux**

# **Ubuntu integration**

Edited by	VIAVI Solutions	
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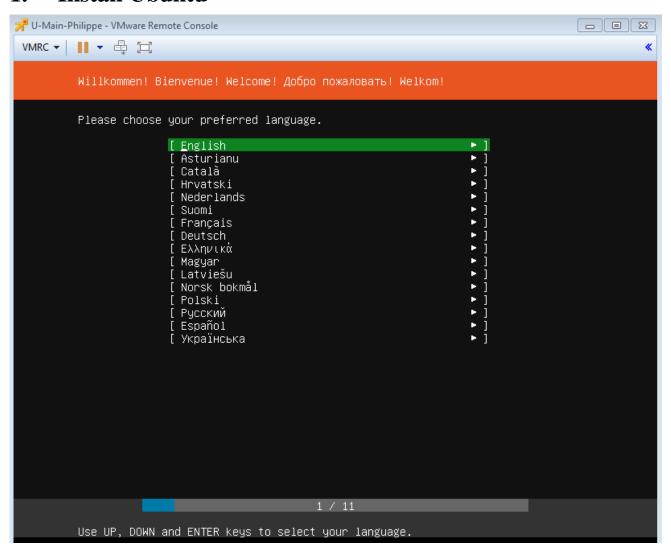
Version	Date	Author	Index
A.0	04/02/2019	Ph Cornu	First release
A1	22/02/2019	Ph Cornu	Adjustment after TAC remarks



1.	Install Ubuntu	
	Mount the disk for backup	
2.1	Identify backup disk	1
2.2	Create partition	1
2.3	Format disk	2
2.4	Create the folder for backup :	2
2.5	Automount disk	2



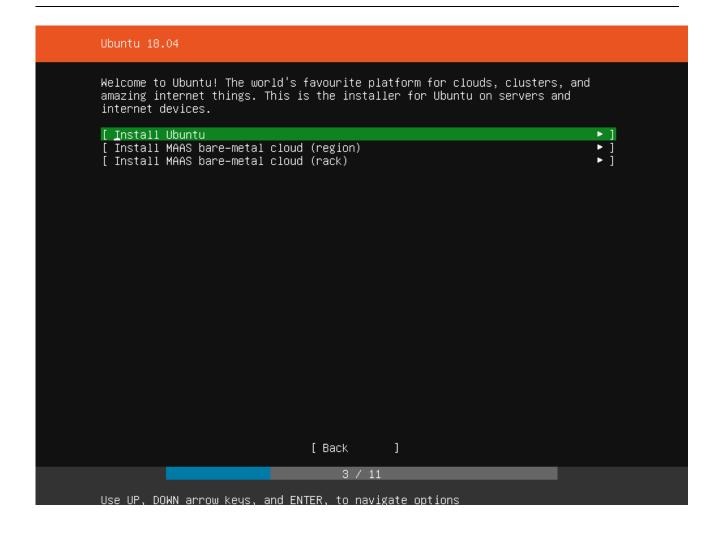
### 1. Install Ubuntu



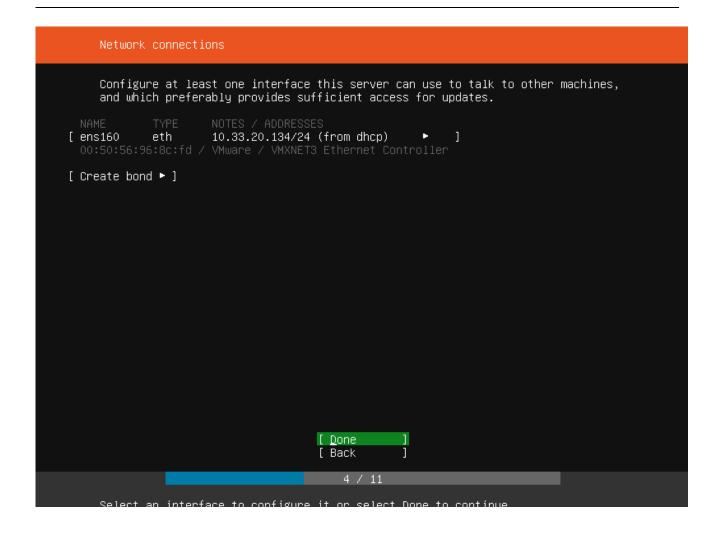


Keyboard configuration	
Please select your keyboard layout below, or select "Identify keyboard" to detect your layout automatically.	
Layout: [ English (US)	▼ 1
Variant: [ English (US)	<b>*</b> 1
[ Identify keyboard	1
[ <u>D</u> one ] [ Back ]	
2 / 11	

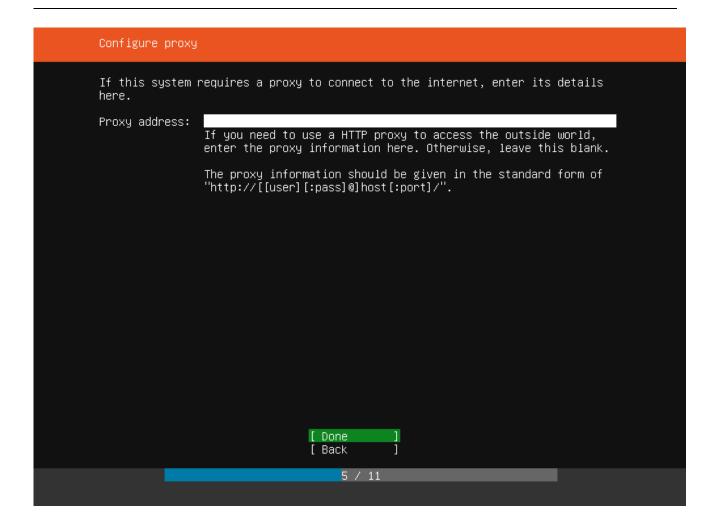








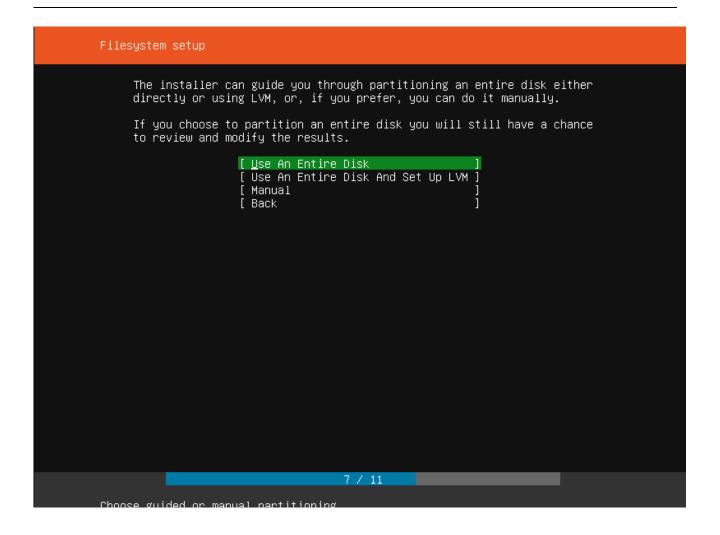




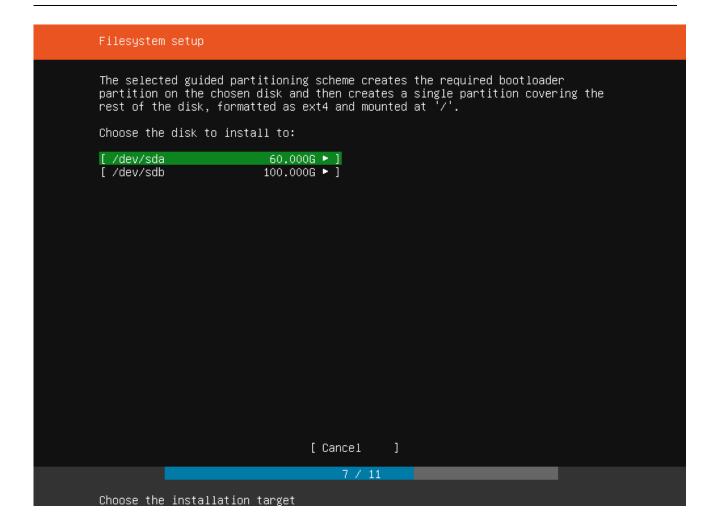


Configure Ubuntu	archive mirror
If you use an al	ternative mirror for Ubuntu, enter its details here.
Mirror address:	http://archive.ubuntu.com/ubuntu You may provide an archive mirror that will be used instead of the default 'http://archive.ubuntu.com/ubuntu'
	[ Done ] [ Back ]
	6 / 11





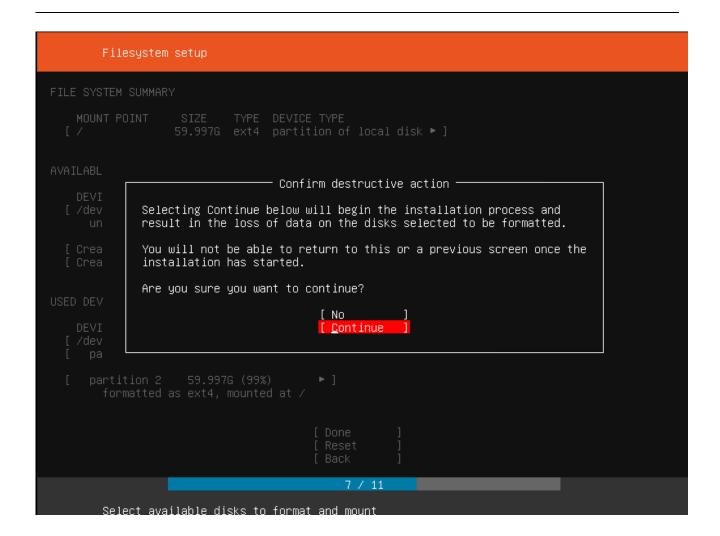






```
Filesystem setup
FILE SYSTEM SUMMARY
  [ /
                   59.997G ext4 partition of local disk ▶ ]
AVAILABLE DEVICES
  [ /dev/sdb
                    100.000G local disk ▶ ]
     unused
  [ Create volume group (LVM) ▶ ]
USED DEVICES
                     60.000G local disk ▶ ]
   /dev/sda
     partition 1
                     1.000M (0%)
       bios_grub
     partition 2
                     59.997G (99%)
                                         ▶ ]
        formatted as ext4, mounted at /
                                          Done
                                          Reset
                                         [ Back
```





Define server name with only letters, numbers and dash – (underscore forbidden)



Profile setup	
Enter the username and system.	password (or ssh identity) you will use to log in to the
Your name:	rftsmngr
Your server's name:	u-main-philippe The name it uses when it talks to other computers.
Pick a username:	rftsmngr
Choose a password:	****
Confirm your password:	****
Import SSH identity:	[ No ▼ ] You can import your SSH keys from Github or Launchpad.
Import Username:	
	[ Done ]
	9 / 11
Install complete	



Featured Server Snaps		
These are popular snaps in server environments. Select or deselect with SPACE, press ENTER to see more details of the package, publisher and versions available.		
wekan		
[ Done		
9 / 11		
Install complete		



```
Install complete!
                                          Finished install!
            configuring mount: mount-0
   configuring network running 'curtin net–meta auto'
   curtin command net-meta
writing install sources to disk
running 'curtin extract'
         curtin command extract
   acquiring and extracting image from cp:///media/filesystem configuring installed system running 'curtin curthooks'
         curtin command curthooks
            configuring apt configuring apt
            installing missing packages
installing kernel
            setting up swap
            apply networking config
writing etc/fstab
            configuring multipath
            updating packages on target system
   configuring pollinate user–agent on target system
finalizing installation
running 'curtin hook'
         curtin command hook
   executing late commands
                                           [ View full log ]
                                          [ Reboot Now
                                                   11 / 11
```



```
e (DSA)
<14>Feb
           4 12:57:03 ec2: 256 SHA256:NCvpFDpjEtIuk8JSZDUzESX+p/SLAs3T6RKNxlLUW/Q root@u-main-philippe
 (ECDSA)
<14>Feb 4 12:57:03 ec2: 256 SHA256:vnDFva/2JVGLaCVOHWVuVmFbxP/12K1nUuSXTH2hh3Q root@u-main-philippe
 (ED25519)
<14>Feb 4 12:57:03 ec2: 2048 SHA256:2JBXB0FyKwahWy06m0J6hIN8XpK4LrPAnN3QI19G/pI root@u-main-philipp
e (RSA)
<14>Feb
           4 12:57:03 ec2: ----END SSH HOST KEY FINGERPRINTS----
---BEGIN SSH HOST KEY KEYS
ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBGcRN7ksHY9UQM93naFVAKHpKzHyjkgjunXrN4C9M+tWj006PsLF9T+Pk3f/5d/aF9+qDi6y/TUaHHDlK/2NDu0= root@u-main-philippe
ssh-ed25519 AAAAC3NzaC11ZDI1NTE5AAAAIKRzdGtM8OIJ/6YPs/BWkqO41kx6oTBHLdiBZBz+PEnd root@u-main-philipp
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCssnCJoeL1WT51MpUAExEY/AzONTzoJfWZcd1O+MST7PbhUypsWNkRTkA2i4ojiFaOU1Yb9pkSTBgVZK1xnX+/ZvFWFvweaBhQ91zf7T+XfotBev2SShZnd2aeWPDGX2ATLyc/3oTThwXqeZb6/2iudDWexg9BAbeJZAxjun/uzDHtj1iWAMqUdQEwi+ZQV9I4dbOGtTo2I/6eZduZcKTNFA7U4GQGuhcAqKnyEx2BMfYOS5EEa2kzVGan85+oA7y3G/V9
nk5p2CqoEsehvVH3+HqvV1Yw/LcbszeKaudpvKdJePdXBBmkdD1S36oYprv6QzCBrNQx08ld9z7nRpBh root@u-main-philipp
   ---END SSH HOST KEY KEYS----
19.937759] cloud-init[1520]: Cloud-init v. 18.2 running 'modules:final' at Mon, 04 Feb 2019 12:5
7:03 +0000. Up 19.78 seconds.
[ 19.939040] cloud–init[1520]: ci–info: no authorized ssh keys fingerprints found for user rftsmng
[ 19.940377] cloud-init[1520]: Cloud-init v. 18.2 finished at Mon, 04 Feb 2019 12:57:03 +0000. Dat asource DataSourceNoCloud [seed=/var/lib/cloud/seed/nocloud-net][dsmode=net]. Up 19.93 seconds [ OK ] Started Execute cloud user/final scripts. [ OK ] Reached target Cloud-init target.
Ubuntu 18.04.1 LTS u-main-philippe tty1
u-main-philippe login:
Ubuntu 18.04.1 LTS u-main-philippe tty1
u-main-philippe login:
```

Login: rftsmngr

Password: System0



```
u–main–philippe login: rftsmngr
Password:
Welcome to Ubuntu 18.04.1 LTS (GNU/Linux 4.15.0-45-generic x86_64)
                   https://help.ubuntu.com
 * Documentation:
 * Management:
                   https://landscape.canonical.com
 * Support:
                   https://ubuntu.com/advantage
  System information as of Mon Feb 4 14:19:53 UTC 2019
  System load:
                0.0
                                    Processes:
                                                             113
                10.2% of 58.80GB
                                    Users logged in:
  Usage of /:
  Memory usage: 2%
                                    IP address for ens160: 10.33.20.143
  Swap usage:
 * 'snap info' now shows the freshness of each channel.
   Try 'snap info microk8s' for all the latest goodness.
165 packages can be updated.
80 updates are security updates.
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
rftsmngr@u–main–philippe:~$
```

### 2. Mount the disk for backup

### 2.1 Identify backup disk

To identify device name for backup disk type:

sudo lshw -c disk



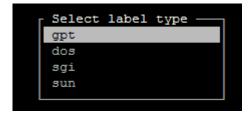
```
rftsmngr@u-backup-philippe:~$ sudo lshw -c disk
[sudo] password for rftsmngr:
 *-disk:0
      description: SCSI Disk
      product: Virtual disk
      vendor: VMware
      physical id: 0.0.0
      bus info: scsi@2:0.0.0
      logical name: /dev/sda
      size: 60GiB (64GB)
      capabilities: 7200rpm gpt-1.00 partitioned partitioned:gpt
      configuration: ansiversion=6 guid=199ca4da-c616-4fb8-a570-5836b50e2eab logicalsectorsize=512 sectorsize=512
      description: SCSI Disk
      vendor: VMware
      physical id: 0.1.0
      bus info: scsi@2:0.1.0
      size: 100GiB (107GB)
capabilities: 7200rpm
      configuration: ansiversion=6 logicalsectorsize=512 sectorsize=512
 *-cdrom
      description: DVD-RAM writer
      product: VMware IDE CDR00
      vendor: NECVMWar
      physical id: 0.0.0
      bus info: scsi@0:0.0.0
      logical name: /dev/cdrom
      logical name: /dev/cdrw
logical name: /dev/dvd
      logical name: /dev/sr0
      capabilities: removable audio cd-r cd-rw dvd dvd-r dvd-ram
      configuration: ansiversion=5 status=ready
         physical id: 0
         logical name: /dev/cdrom
         capabilities: partitioned partitioned:dos
         configuration: signature=5072b7db
ftsmngr@u-backup-philippe:~$ sudo cfdisk /dev/sdb
```

### 2.2 Create partition

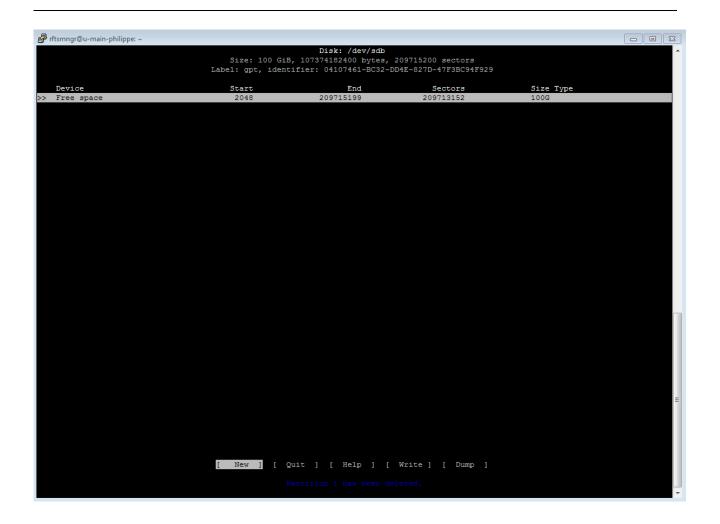
To create partition type:

sudo cfdisk /dev/sdb (sdb depends on above result)

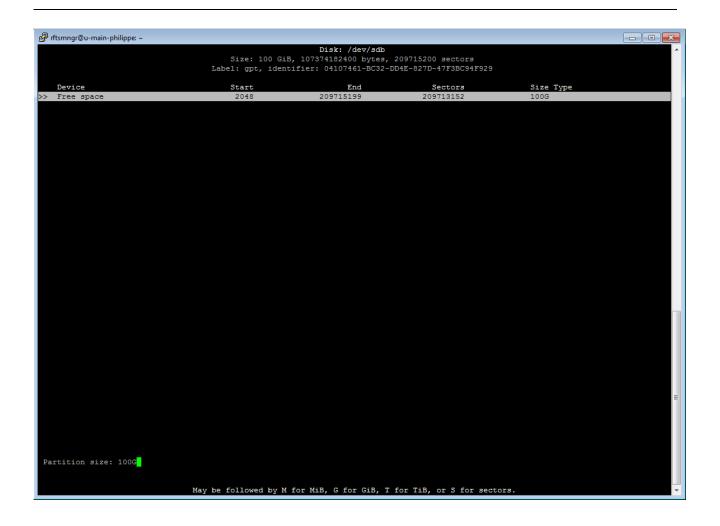
Select gpt option



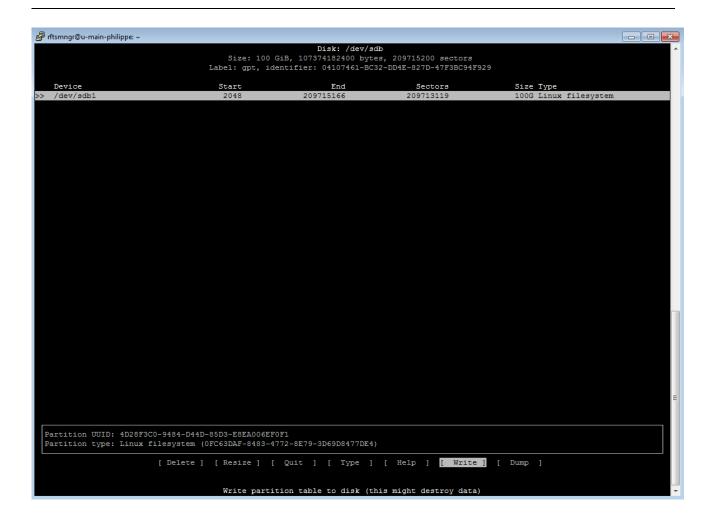




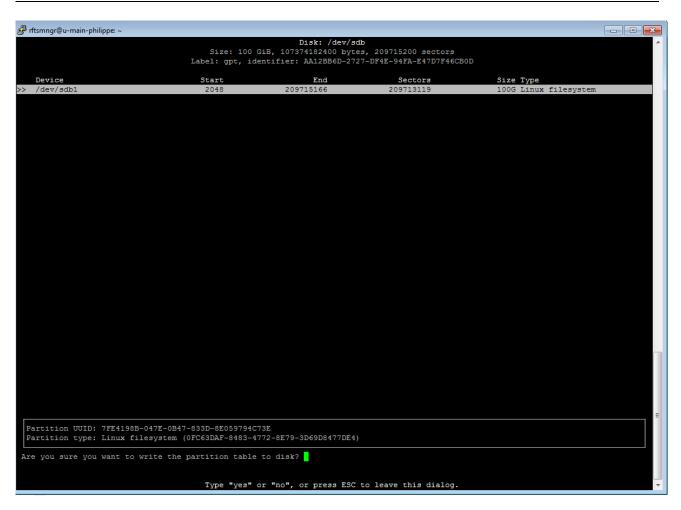






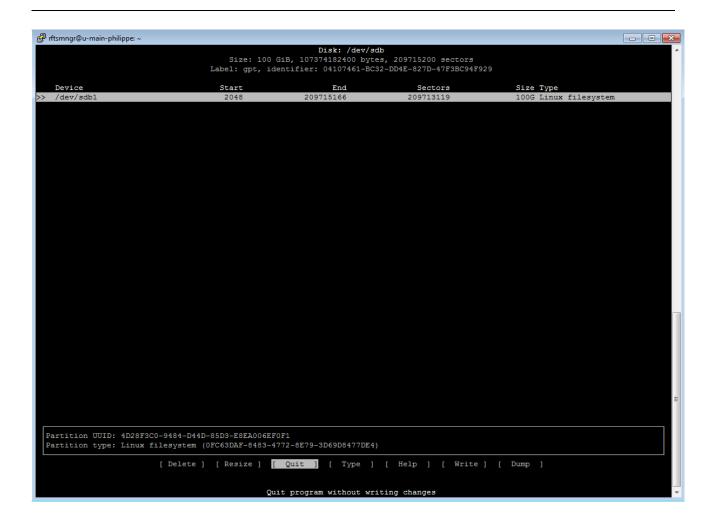






Yes





To check the new partition type:

sudo lshw -c disk



```
gr@u-backup-philippe:/dev$ sudo lshw -c disk
  -disk:0
      description: SCSI Disk
       product: Virtual disk
       vendor: VMware
       bus info: scsi@2:0.0.0
       logical name: /dev/sda
       version: 2.0
       capabilities: 7200rpm gpt-1.00 partitioned partitioned:gpt
       configuration: ansiversion=6 guid=199ca4da-c616-4fb8-a570-5836b50e2eab logicalsectorsize=512 sectorsize=512
  *-disk:1
      description: SCSI Disk
       product: Virtual disk
       vendor: VMware
       physical id: 0.1.0
       bus info: scsi@2:0.1.0
       logical name: /dev/sdb
       size: 100GiB (107GB)
      capabilities: 7200rpm gpt-1.00 partitioned partitioned:gpt configuration: ansiversion=6 guid=b6bd8e66-380d-a04a-a203-623e7a5ae7c0 logicalsectorsize=512 sectorsize=512
       description: DVD-RAM writer
      product: VMware IDE CDR00
vendor: NECVMWar
       physical id: 0.0.0
       logical name: /dev/cdrom
       logical name: /dev/cdrw
       logical name: /dev/dvd
       logical name: /dev/sr0
       version: 1.00
       capabilities: removable audio cd-r cd-rw dvd dvd-r dvd-ram
       configuration: ansiversion=5 status=ready
          logical name: /dev/cdrom
          capabilities: partitioned partitioned:dos
          configuration: signature=5072b7db
rftsmngr@u-backup-philippe:/dev$
```

#### 2.3 Format disk

#### sudo mkfs.ext4 /dev/sdb1



### 2.4 Create the folder for backup:

sudo mkdir /mnt/backup

#### 2.5 Automount disk

Modify fstab in order to mount this disk:

sudo chmod +666 /etc/fstab

#### vi /etc/fstab

Type i to move to insert mode

Add the second line at the end of document, use tab between each block.

```
UID=78e66a34-287b-11e9-a0d3-005056968cfd / ext4 defaults 0 0 /swap.img none swap sw 0 0 /dev/sdb1 /mnt/backup ext4 defaults 0 0
```

Type esc to move out of insert mode

Type :wq! to save and quit vi.

Check the modification done in the fstab file

#### cat /et//fstab

```
rftsmngr@u-main-philippe:~$ cat /etc/fstab

UUID=78e66a34-287b-11e9-a0d3-005056968cfd / ext4 defaults 0 0

/swap.img none swap sw 0 0

/dev/sdb1 /mnt/backup ext4 defaults 0 0

rftsmngr@u-main-philippe:~$
```

#### sudo reboot

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