Optical Network Management System

ONMSi Linux

Ubuntu integration

Edited by	VIAVI Solutions	
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Reference	Integration-Ubuntu.doc	Version A.1

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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

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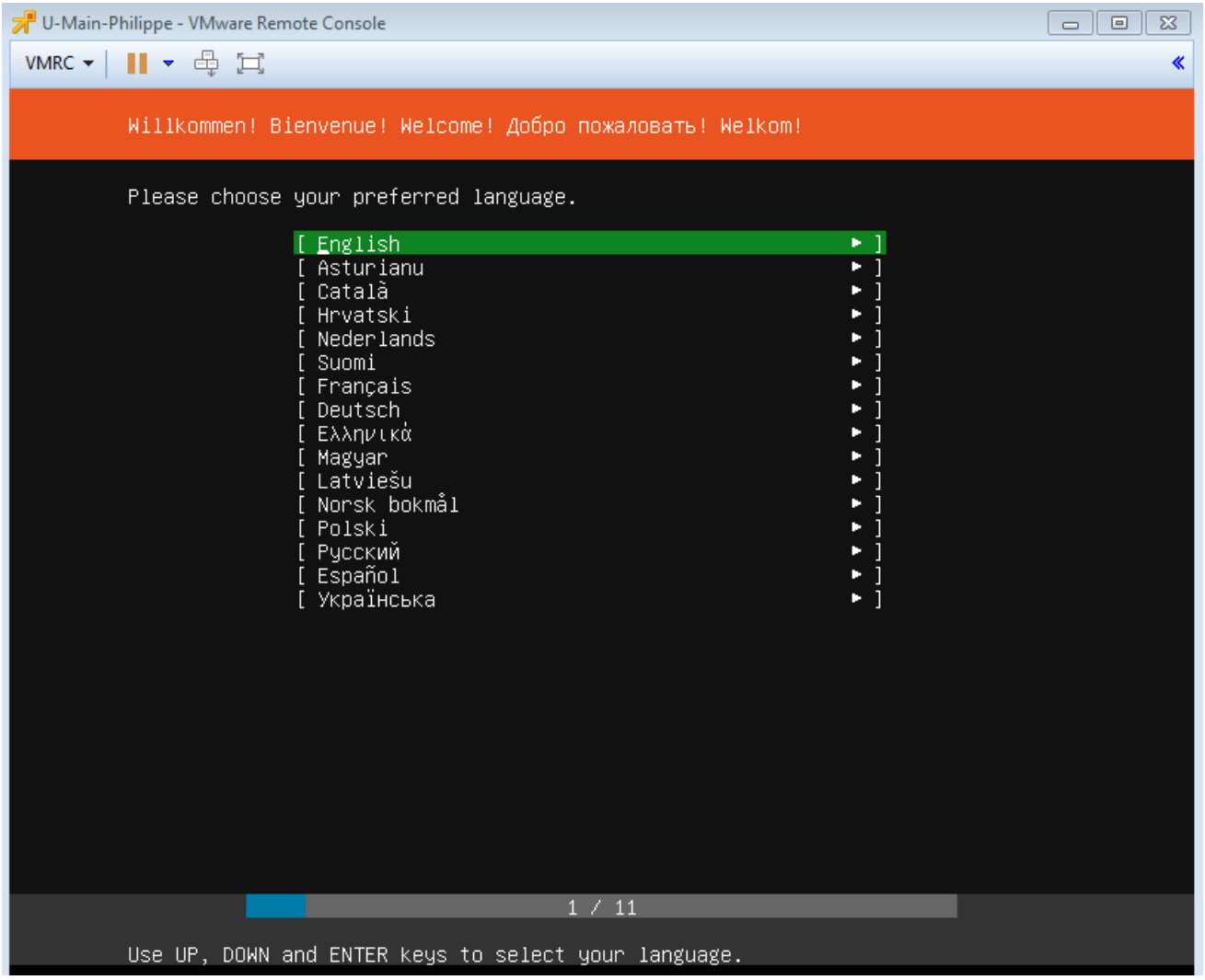
1. Install Ubuntu



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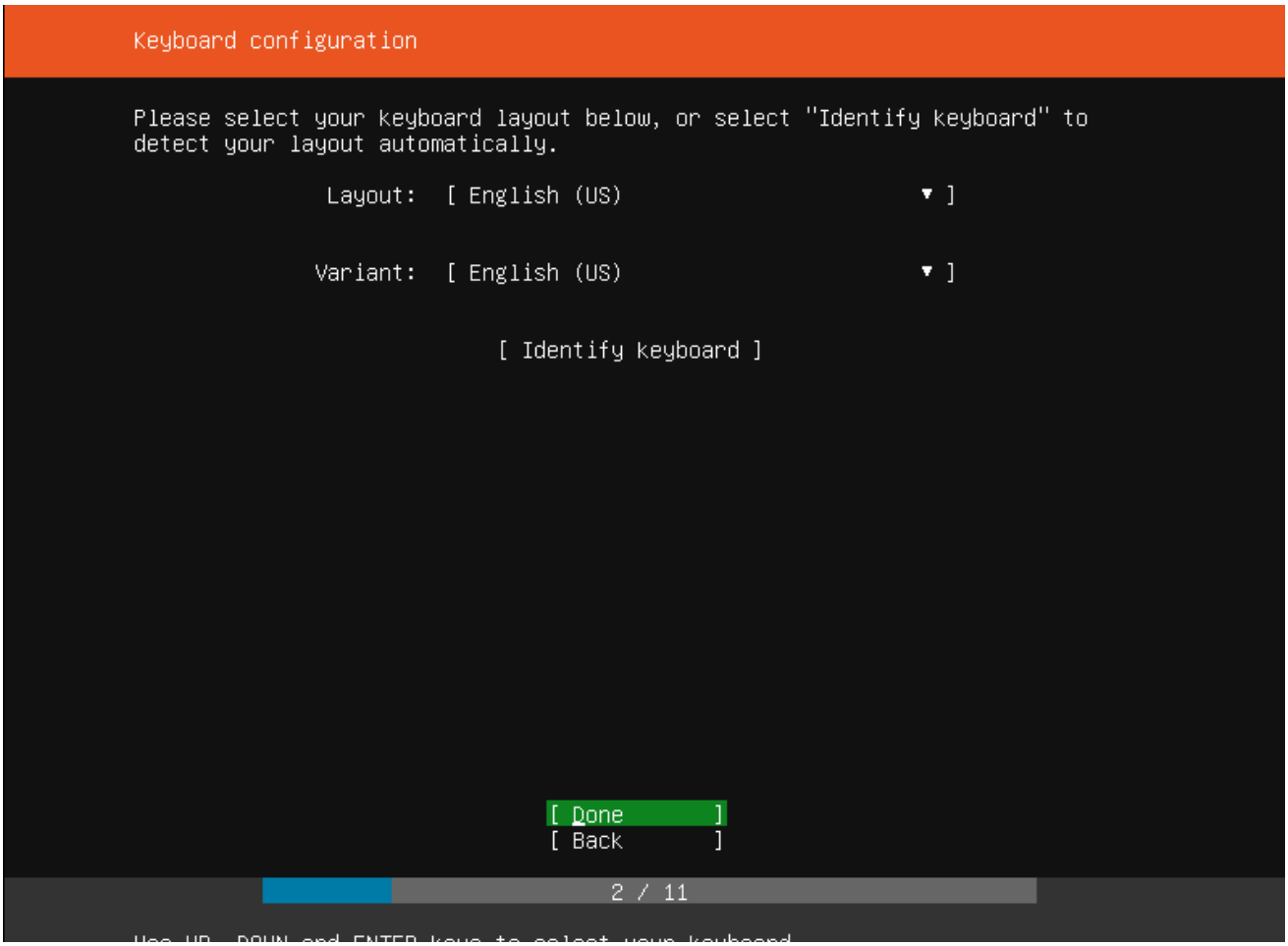

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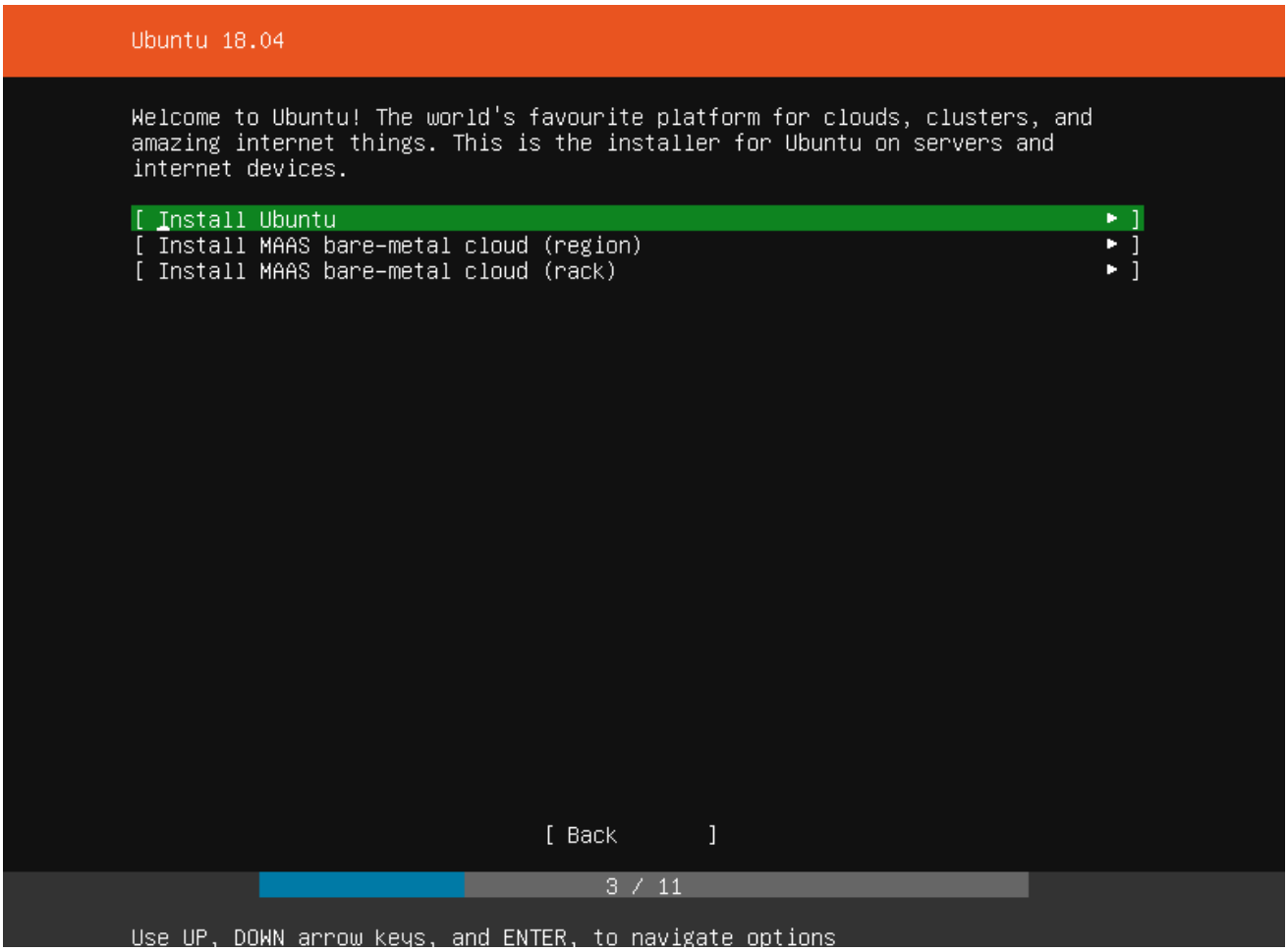

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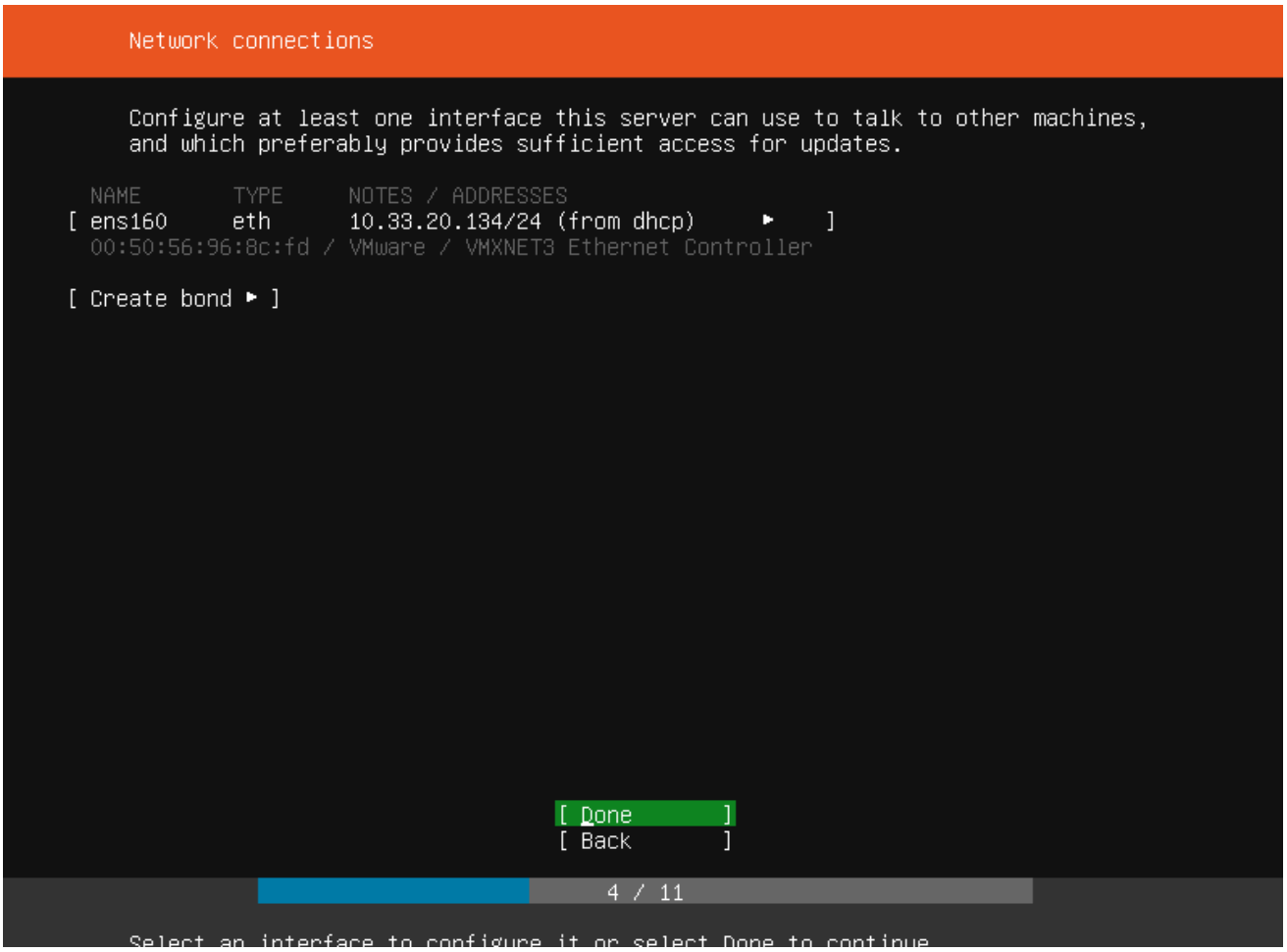

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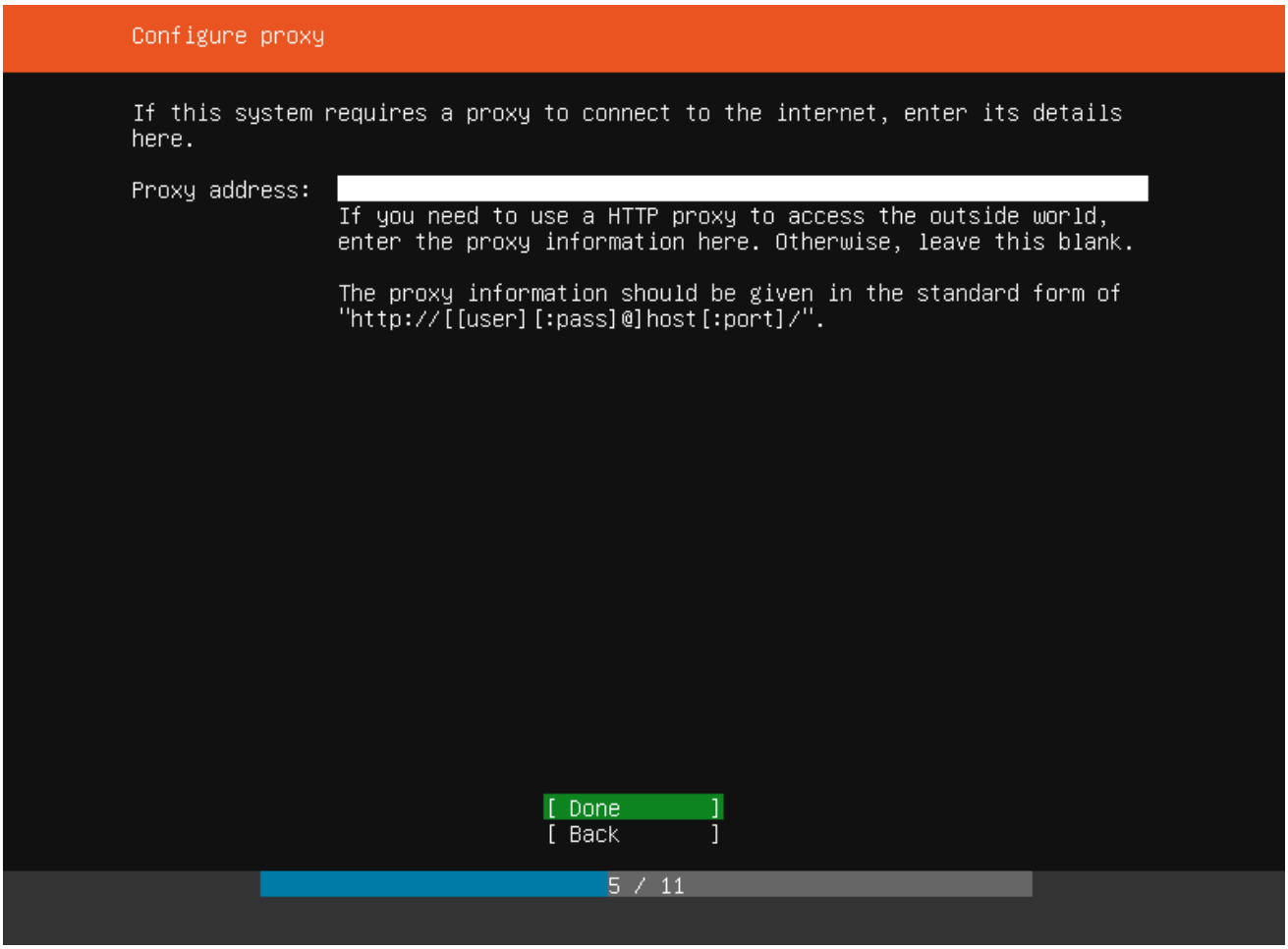

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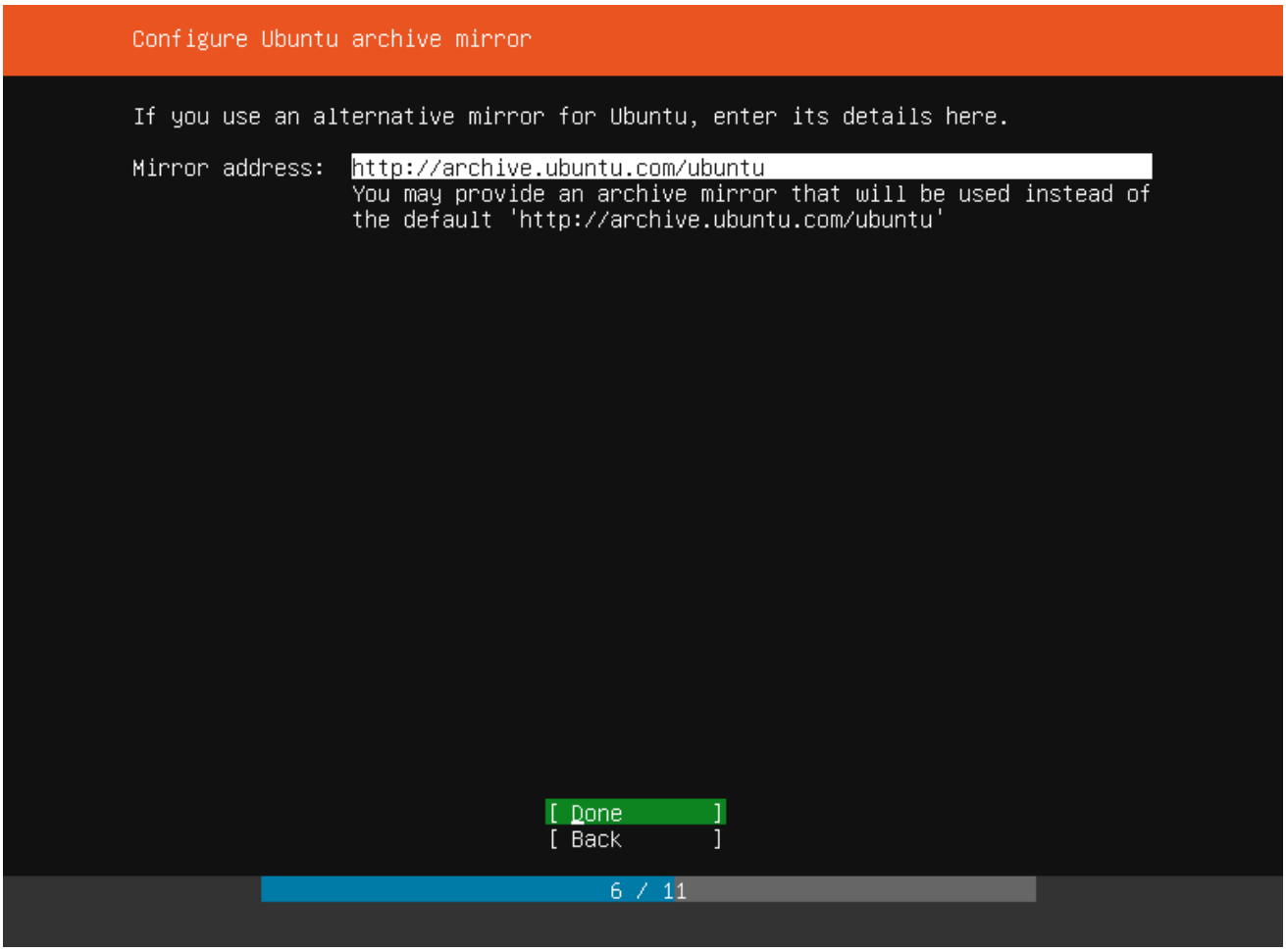

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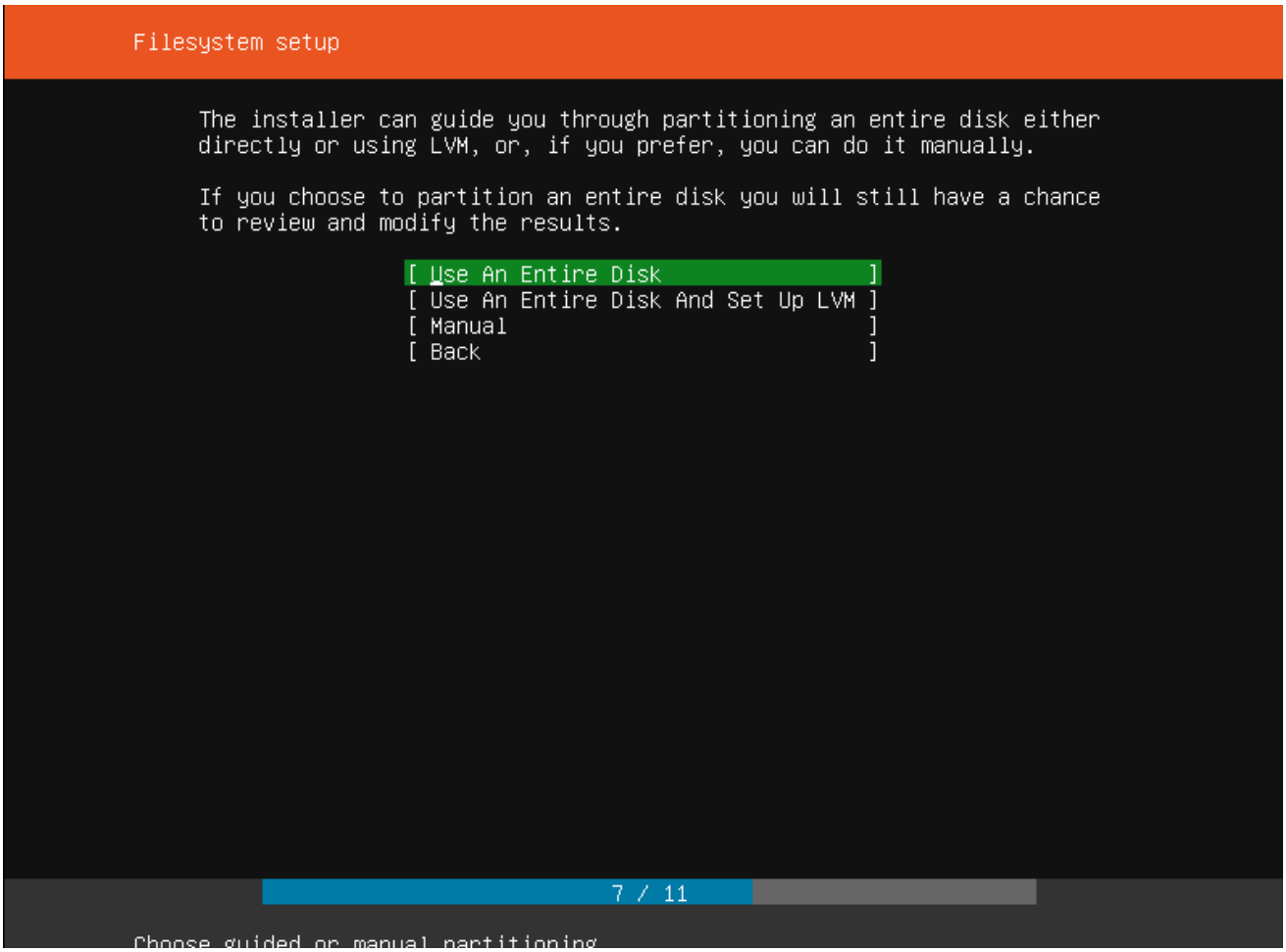

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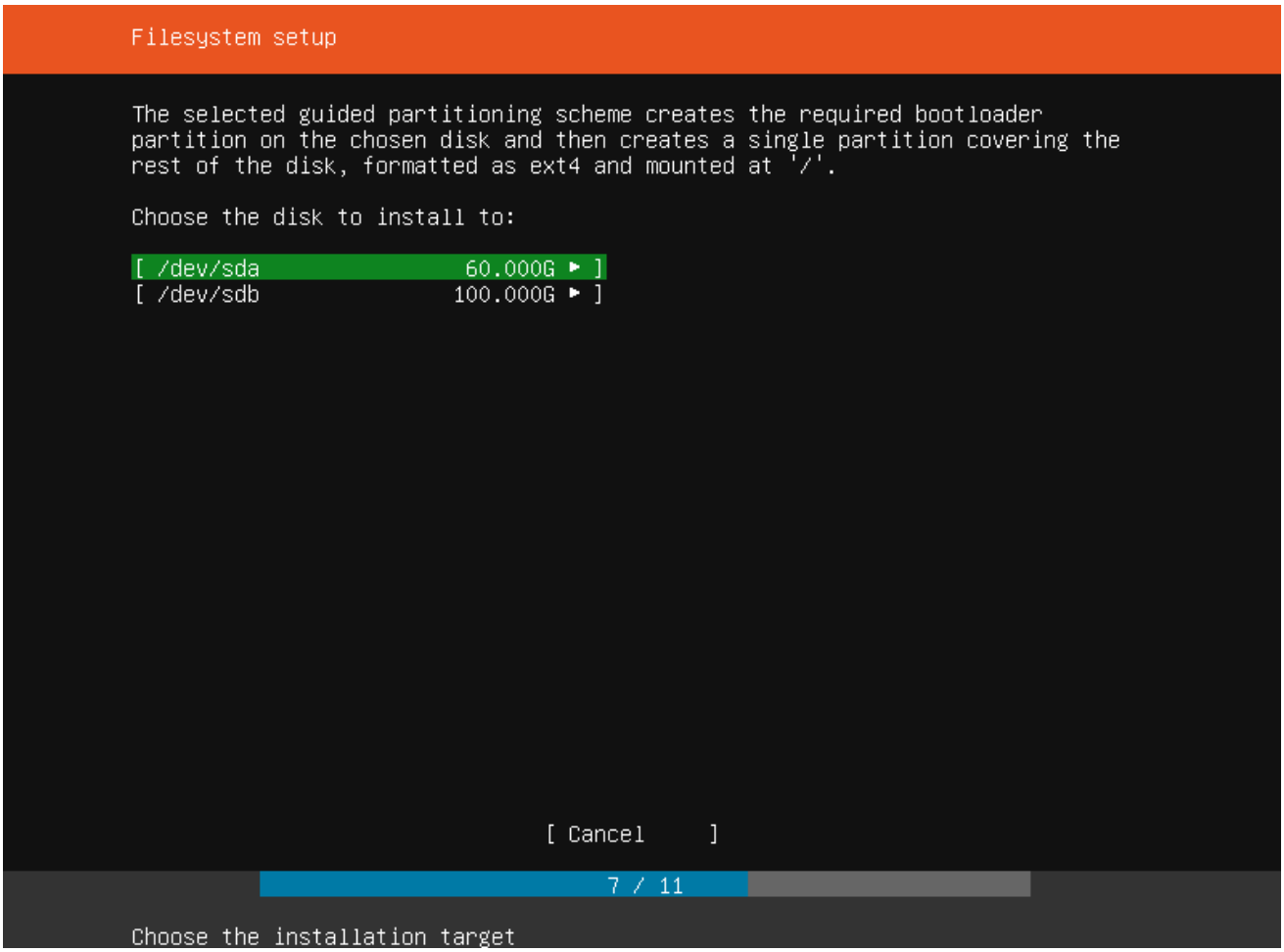

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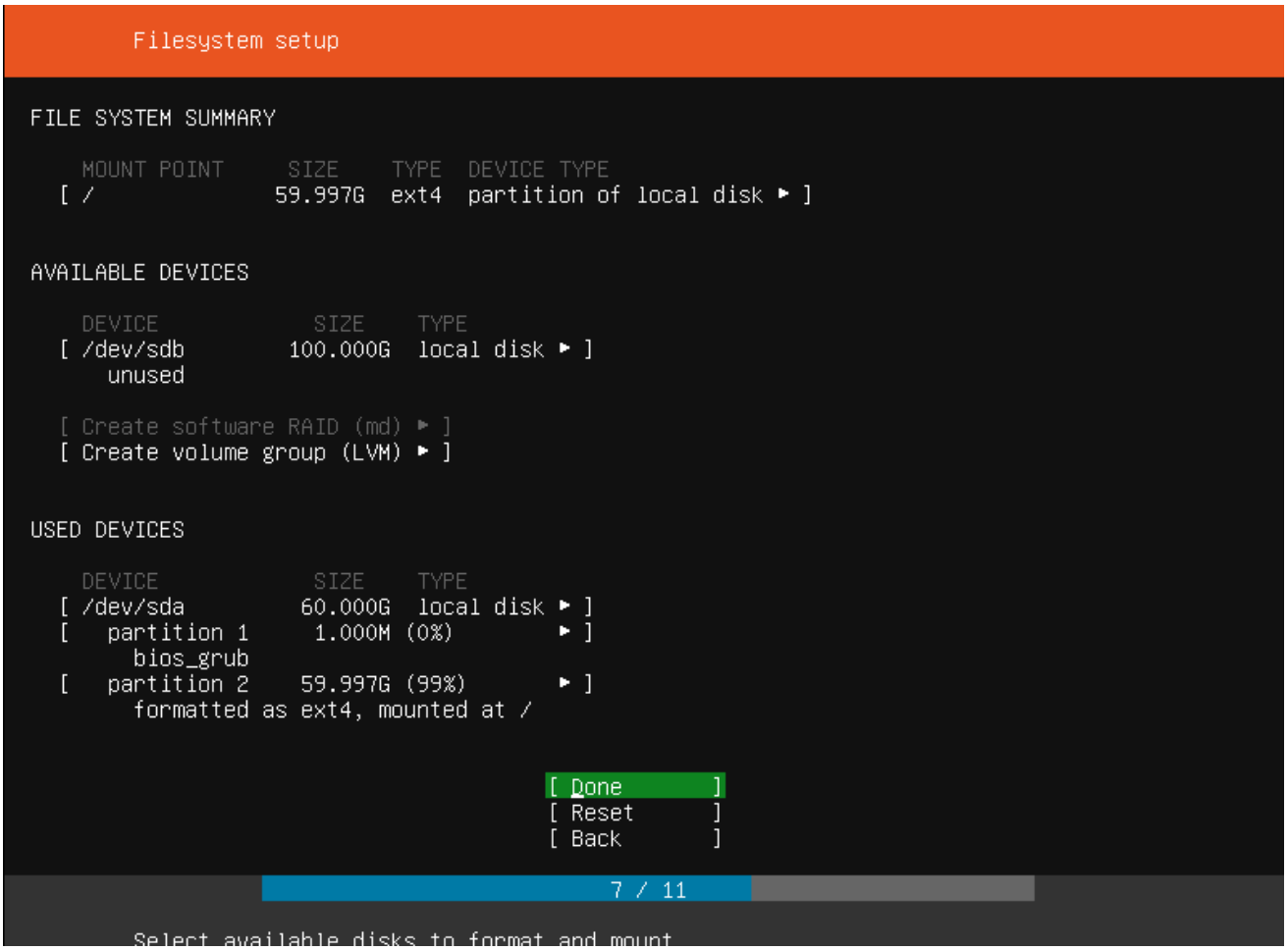

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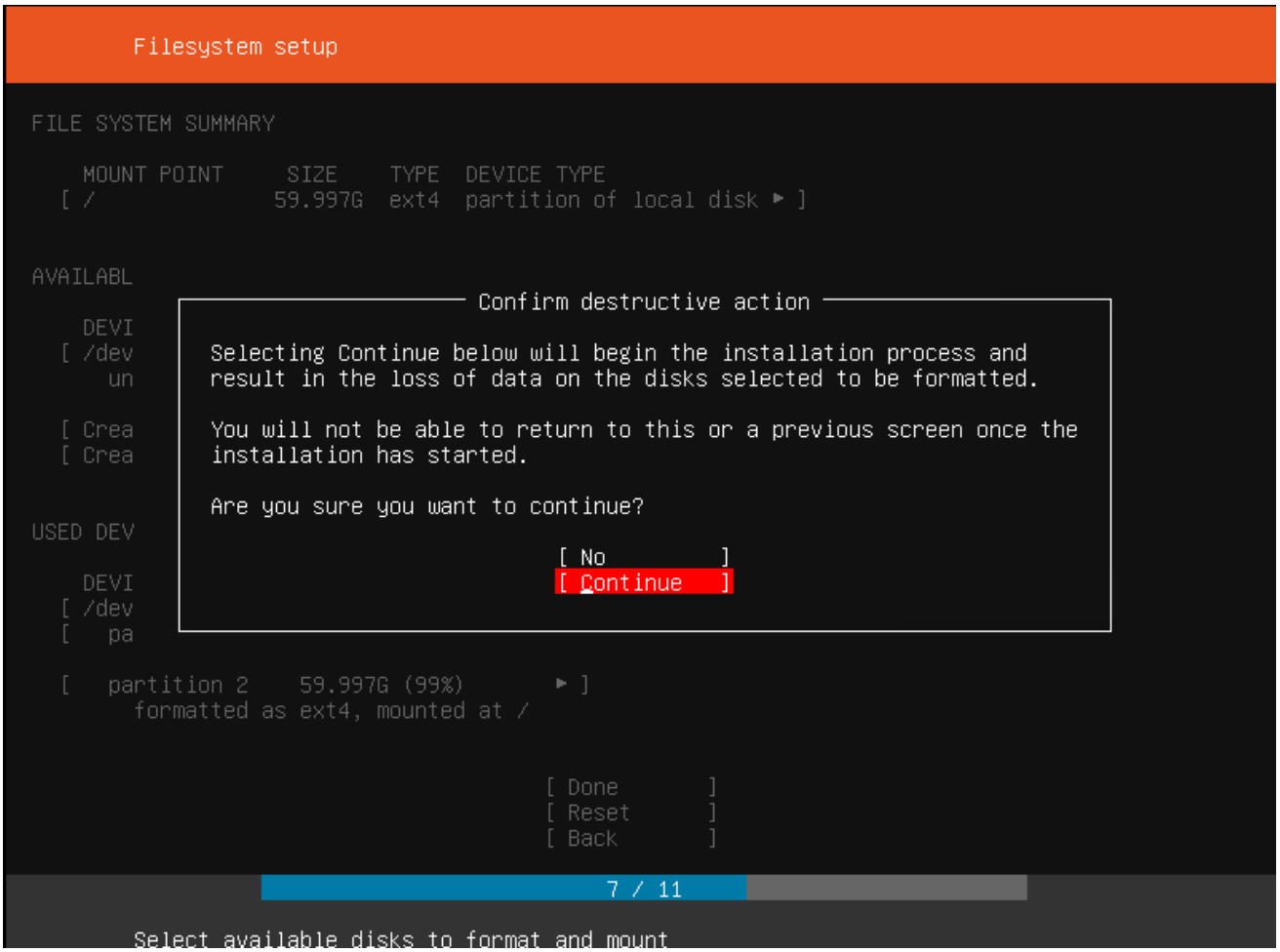

Define server name with only letters, numbers and dash – (underscore forbidden)

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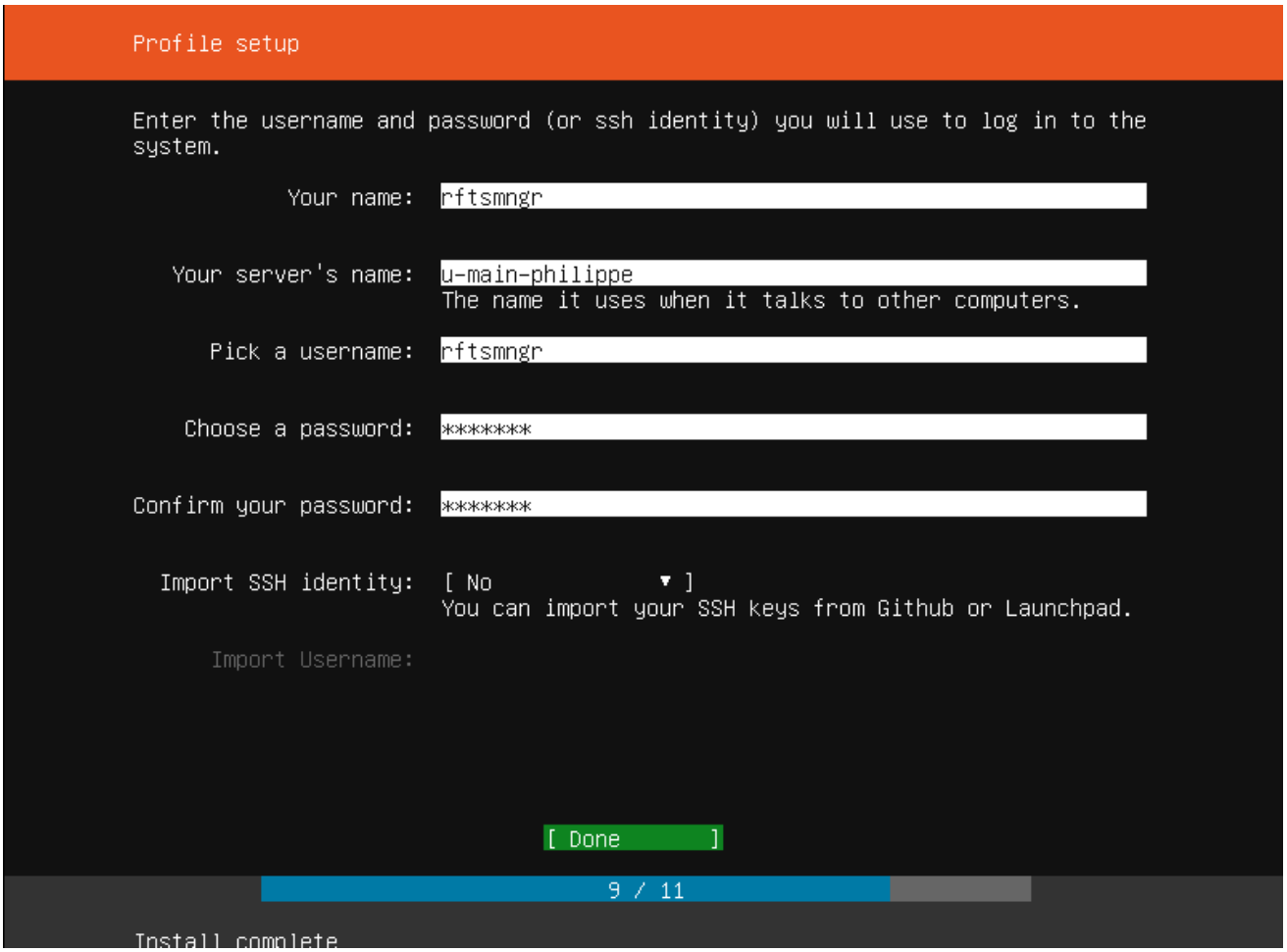

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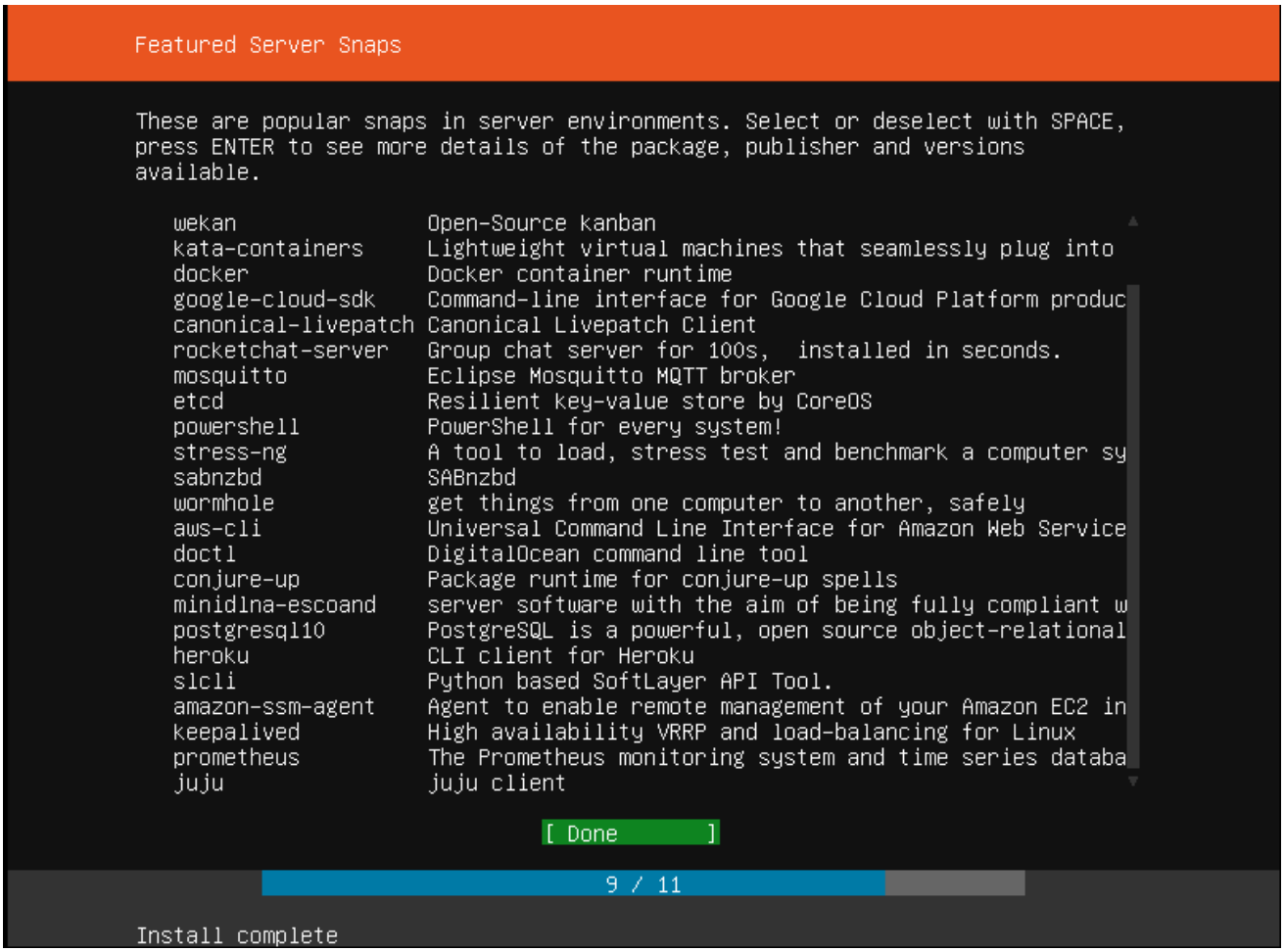

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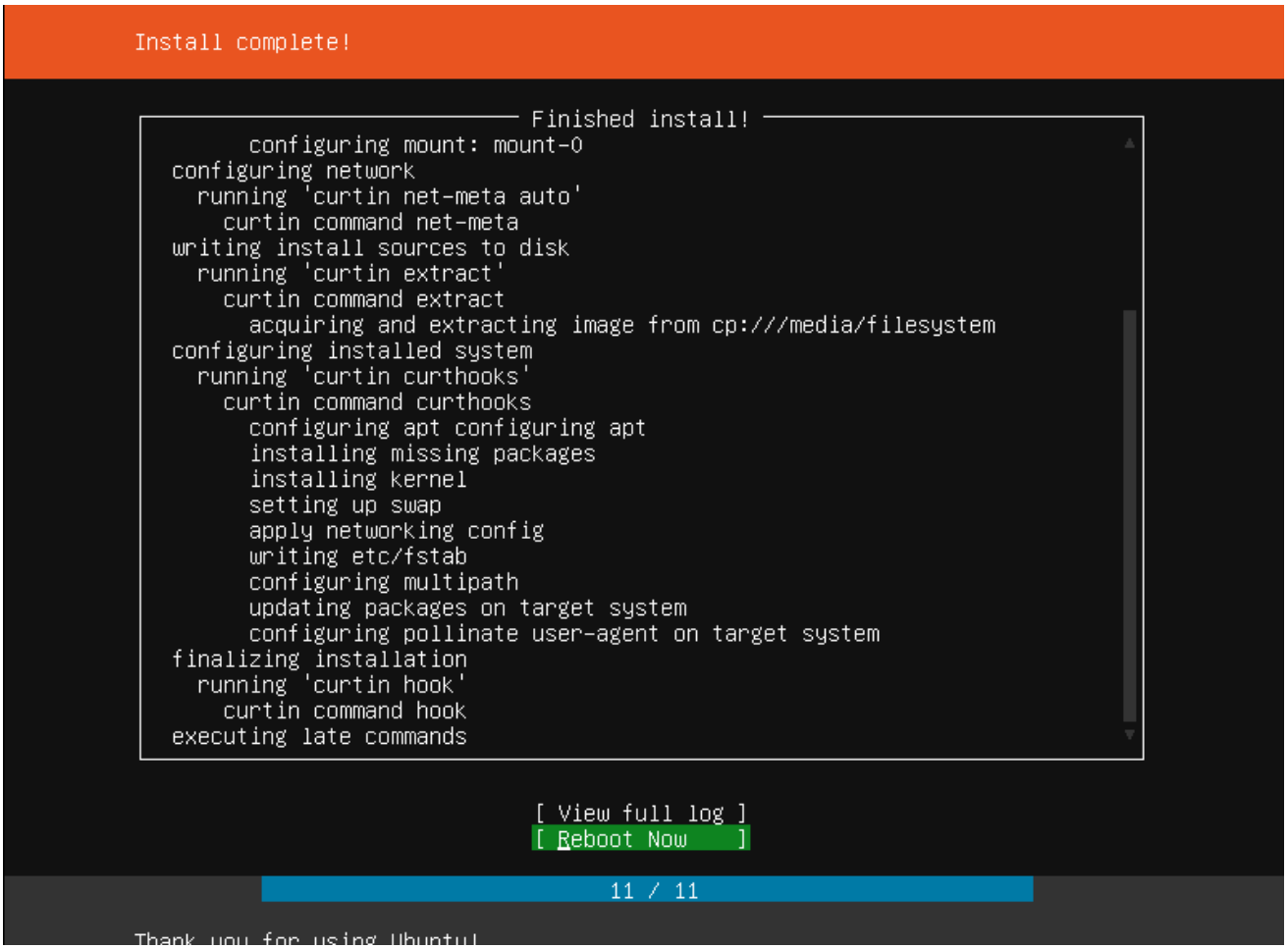

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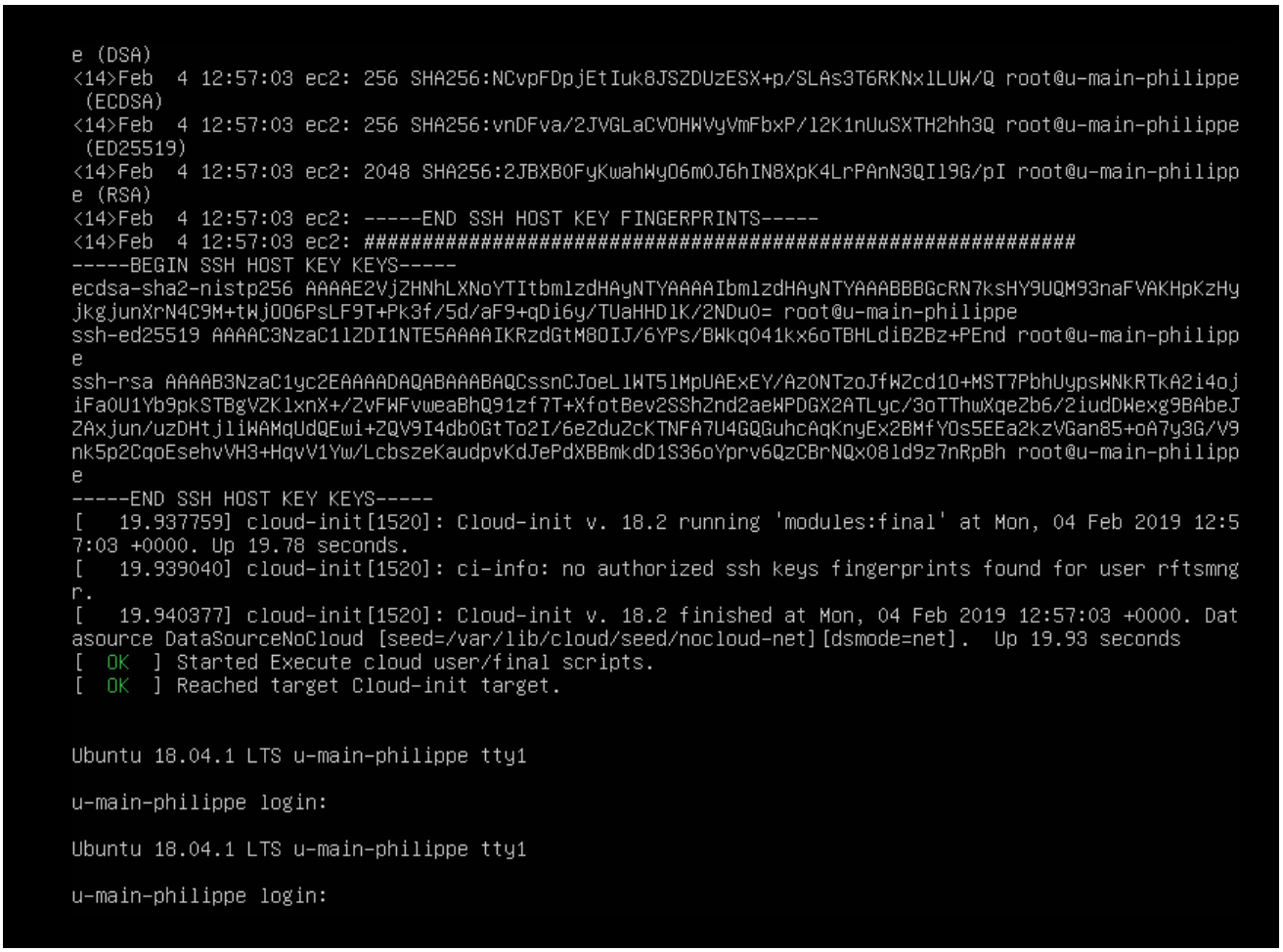

Login : rftsmngr

Password : System0

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```
u-main-philippe login: rftsmngr
Password:
Welcome to Ubuntu 18.04.1 LTS (GNU/Linux 4.15.0-45-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * 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
  Usage of /:   10.2% of 58.80GB  Users logged in:       0
  Memory usage: 2%                IP address for ens160: 10.33.20.143
  Swap usage:   0%

 * '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
```

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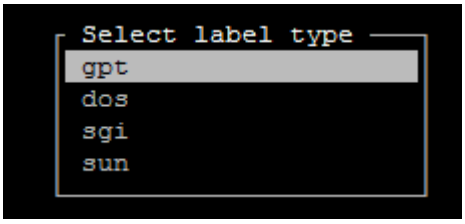
```
rftsmngr@u-backup-philippe:~$ sudo lshw -c disk
[sudo] password for rftsmngr:
  *-disk:0
       description: SCSI Disk
       product: Virtual disk
       vendor: VMware
       physical id: 0.0.0
       bus info: scsi@2:0.0.0
       logical name: /dev/sda
       version: 2.0
       size: 60GiB (64GB)
       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
       version: 2.0
       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
       version: 1.00
       capabilities: removable audio cd-r cd-rw dvd dvd-r dvd-ram
       configuration: ansiversion=5 status=ready
     *-medium
          physical id: 0
          logical name: /dev/cdrom
          capabilities: partitioned partitioned:dos
          configuration: signature=5072b7db
rftsmngr@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



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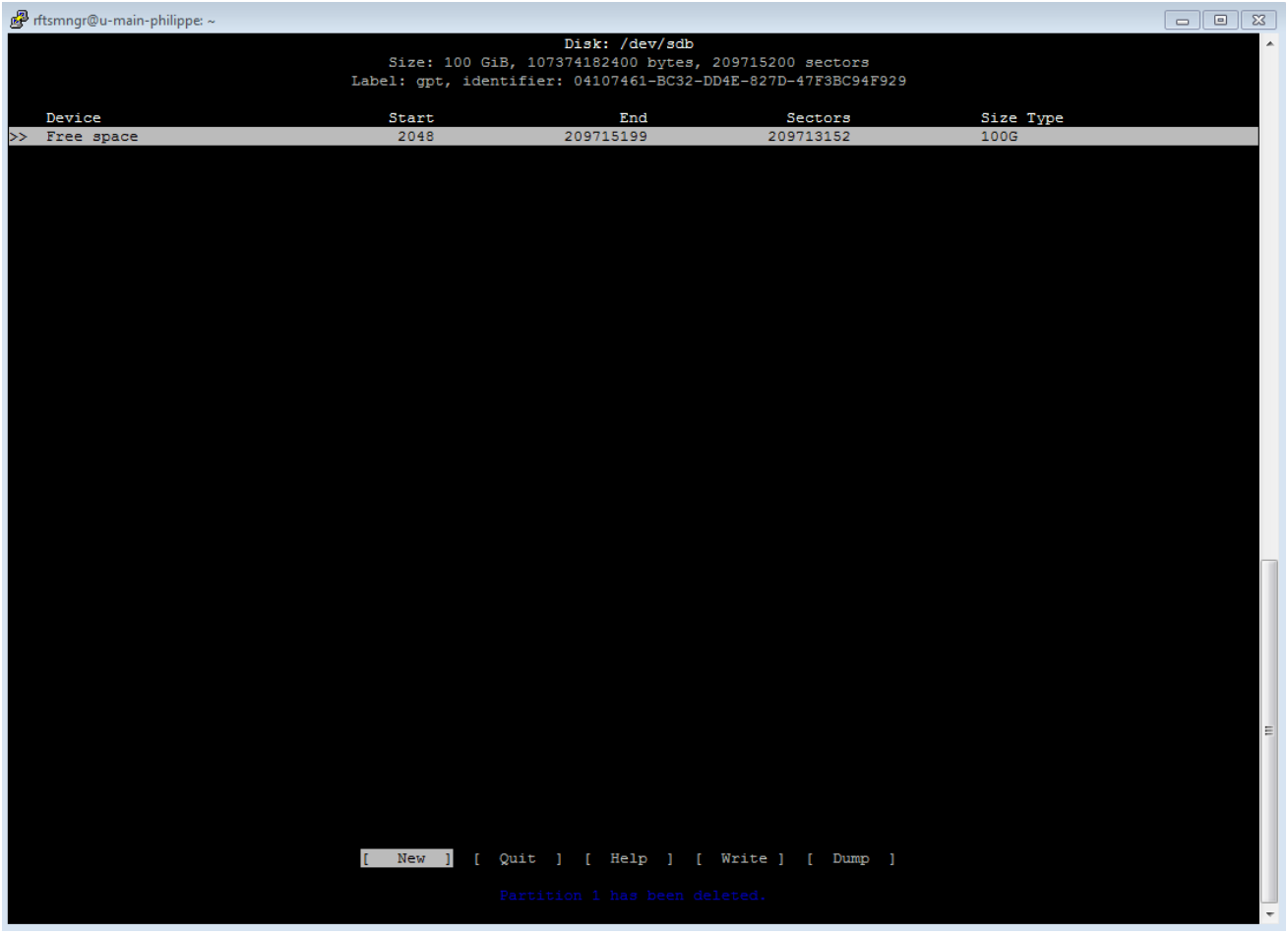

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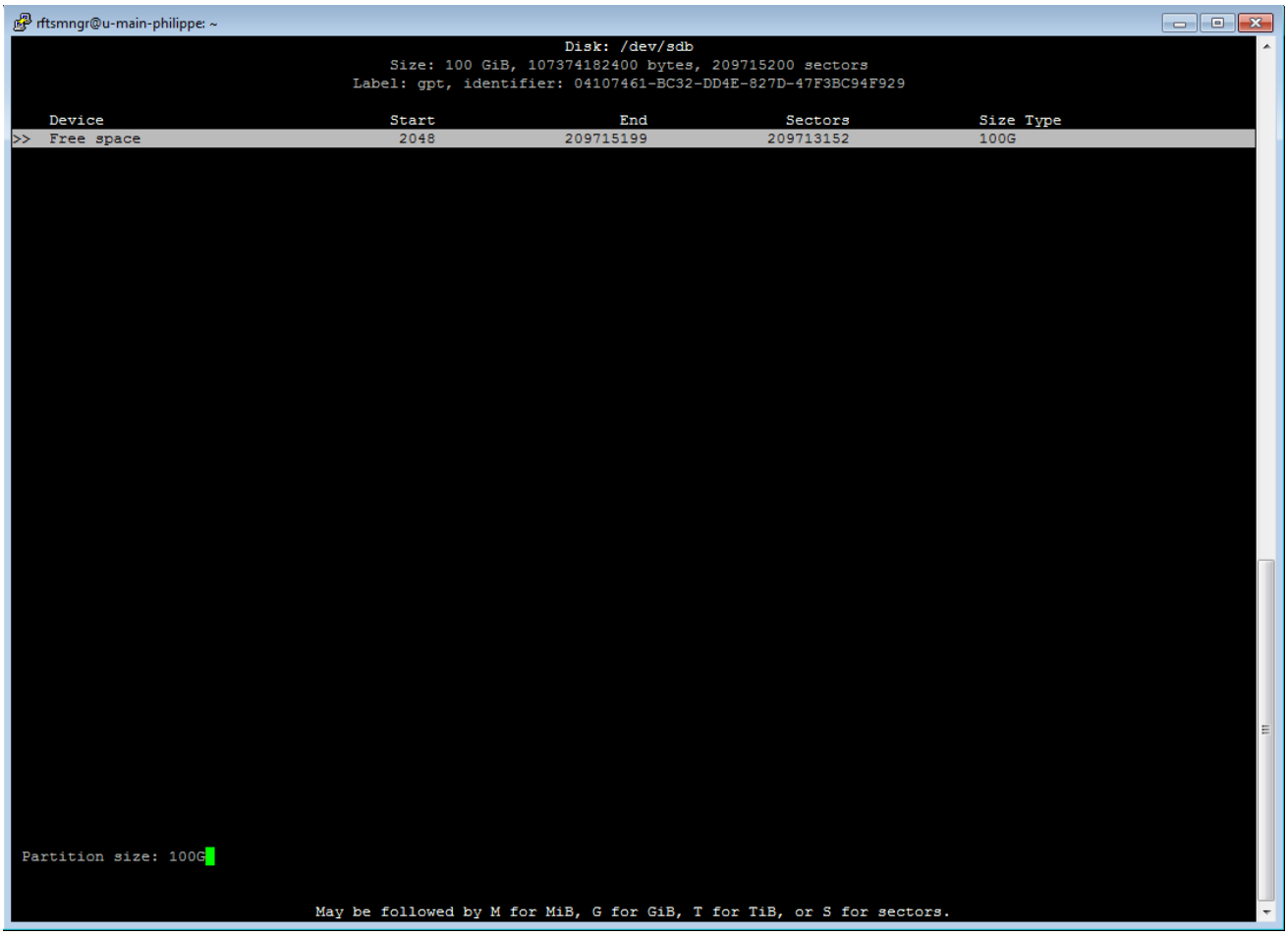

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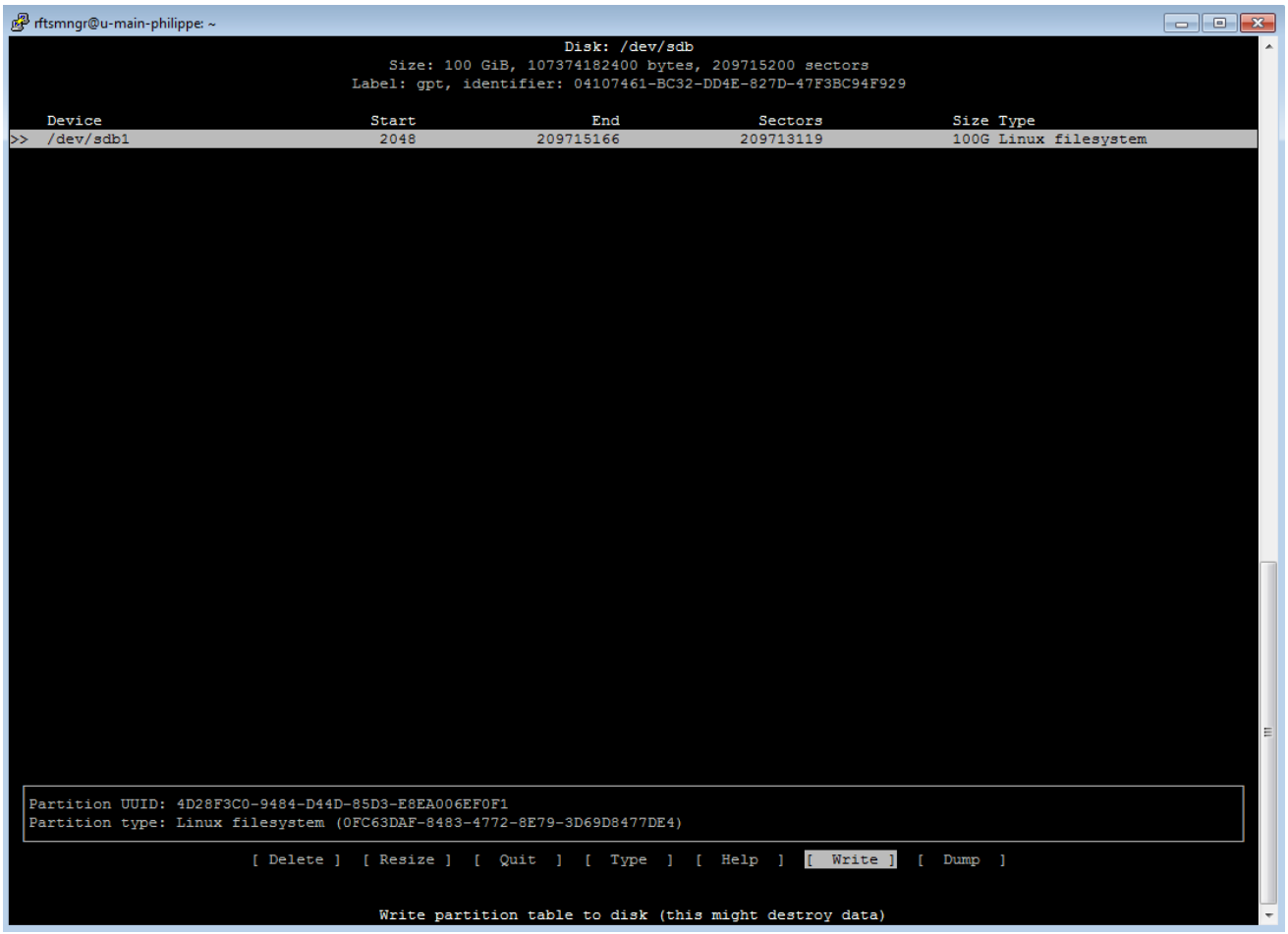

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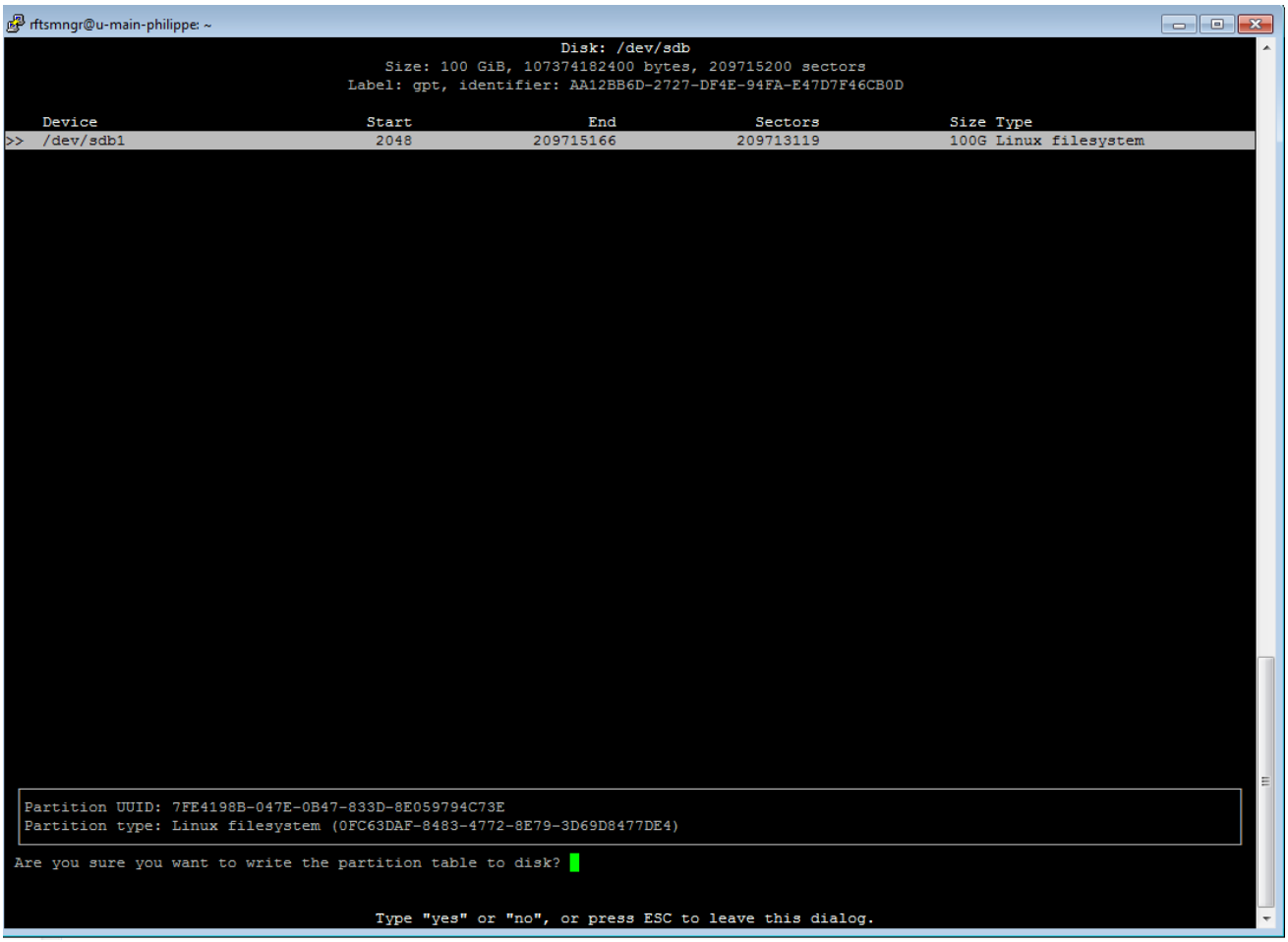

Yes

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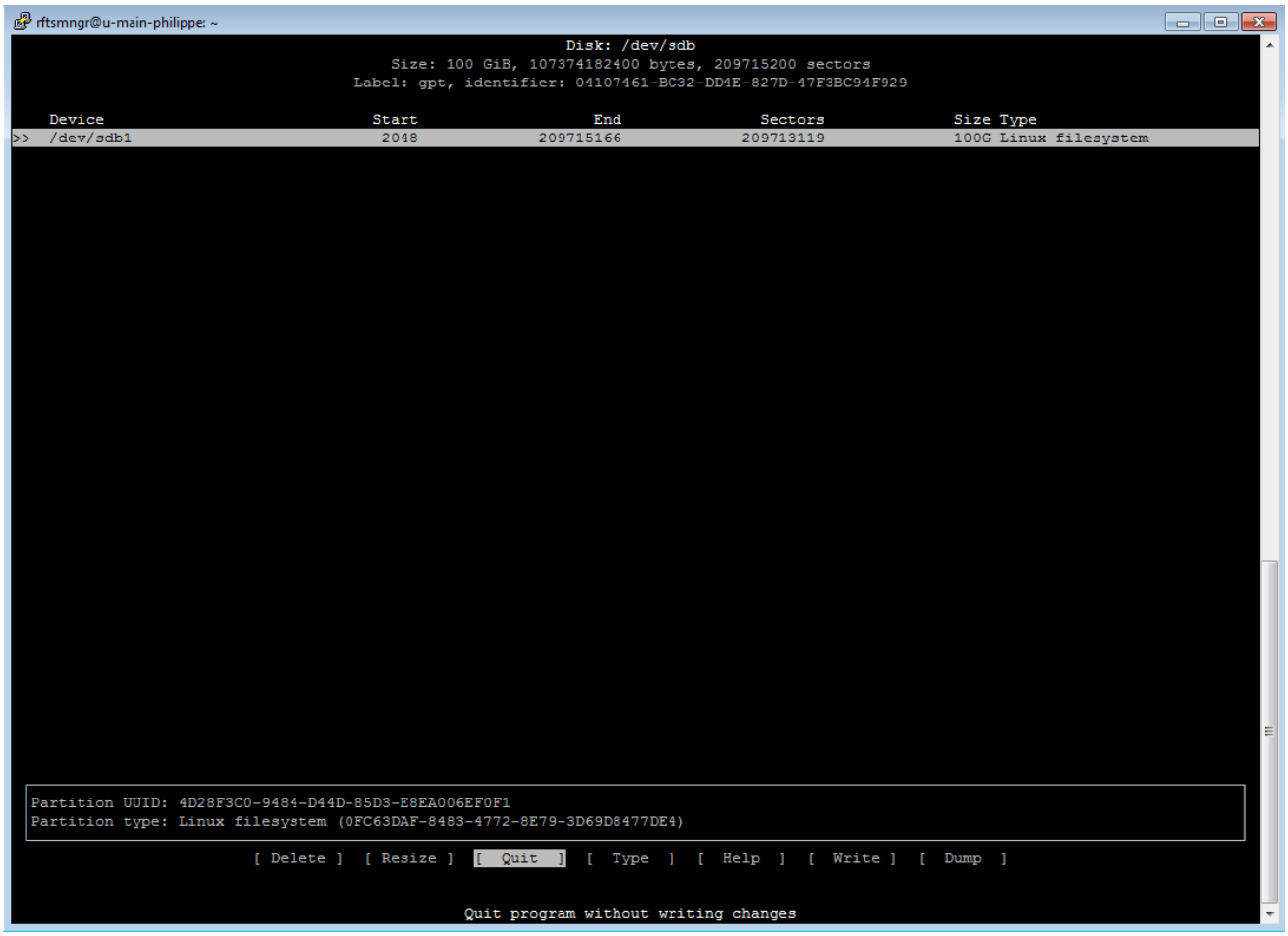

To check the new partition type :

```
sudo lshw -c disk
```

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```
rftsmngr@u-backup-philippe:/dev$ sudo lshw -c disk
  *-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
       version: 2.0
       size: 60GiB (64GB)
       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
       version: 2.0
       size: 100GiB (107GB)
       capabilities: 7200rpm gpt-1.00 partitioned partitioned:gpt
       configuration: ansiversion=6 guid=b6bd8e66-380d-a04a-a203-623e7a5ae7c0 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
       version: 1.00
       capabilities: removable audio cd-r cd-rw dvd dvd-r dvd-ram
       configuration: ansiversion=5 status=ready
     *-medium
          physical id: 0
          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

```
rftsmngr@u-backup-philippe:~$ sudo mkfs.ext4 /dev/sdb1
mke2fs 1.44.1 (24-Mar-2018)
Creating filesystem with 26214139 4k blocks and 6553600 inodes
Filesystem UUID: 8368a20e-7a03-44e2-9bb0-0503d0803992
Superblock backups stored on blocks:
        32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208,
        4096000, 7962624, 11239424, 20480000, 23887872

Allocating group tables: done
Writing inode tables: done
Creating journal (131072 blocks): done
Writing superblocks and filesystem accounting information: done

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

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2.4 Create the folder for backup :

```
sudo mkdir /mnt/backup
```

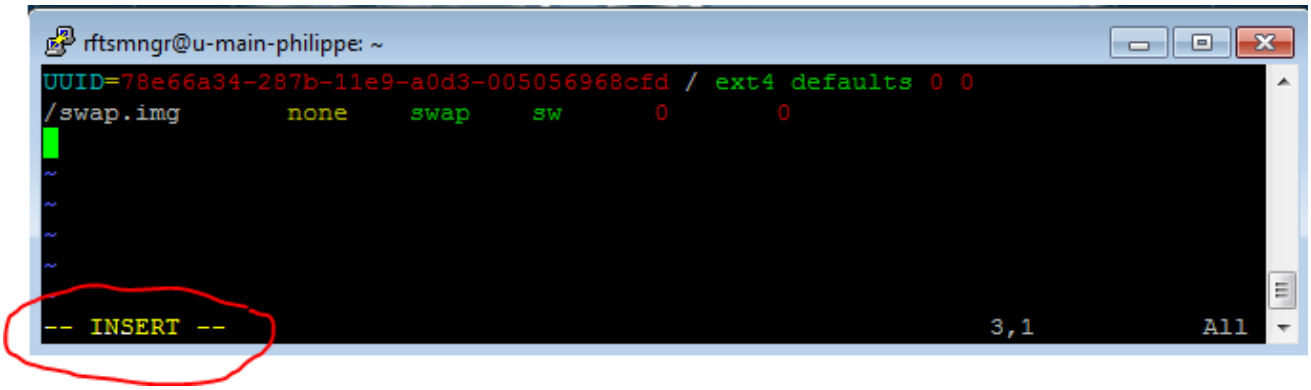
2.5 Automount disk

Modify fstab in order to mount this disk:

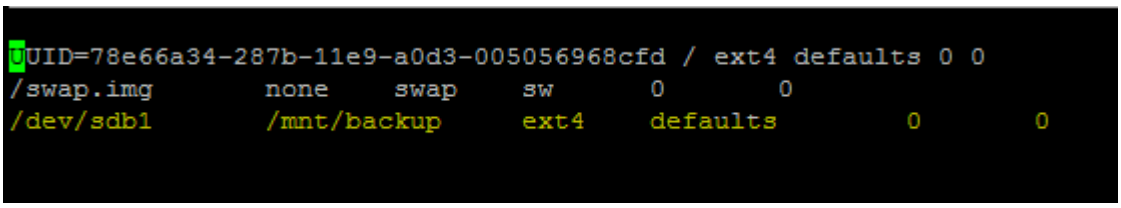
```
sudo chmod +666 /etc/fstab
```

```
vi /etc/fstab
```

Type `i` to move to insert mode



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

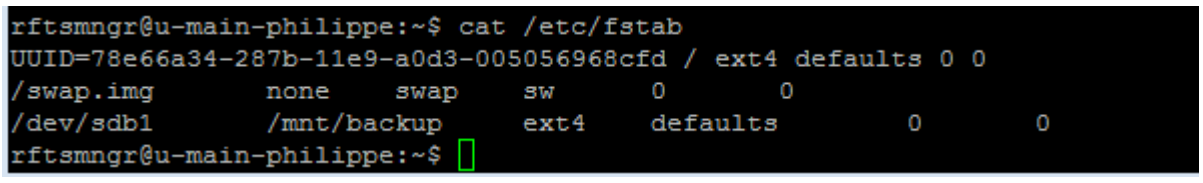


Type `esc` to move out of insert mode

Type `:wq!` to save and quit vi.

Check the modification done in the fstab file

```
cat /et//fstab
```




```
sudo reboot
```

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