



Motadata TAR Installation

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1 Introduction

Motadata Tar uses Ubuntu server as the base platform to run. The system needs Btrfs partition with minimum size of 50 GB (recommended) for database. For this, you'll need to install the Ubuntu normally but with Btrfs partition.

As Ubuntu is an open source operating system and we recommend you to download the supported version from their official website. After the download, follow all their steps, till partition. Here, we assume that you are doing a fresh installation on a new machine.

From the partition screen, we'll start to make Btrfs partition.

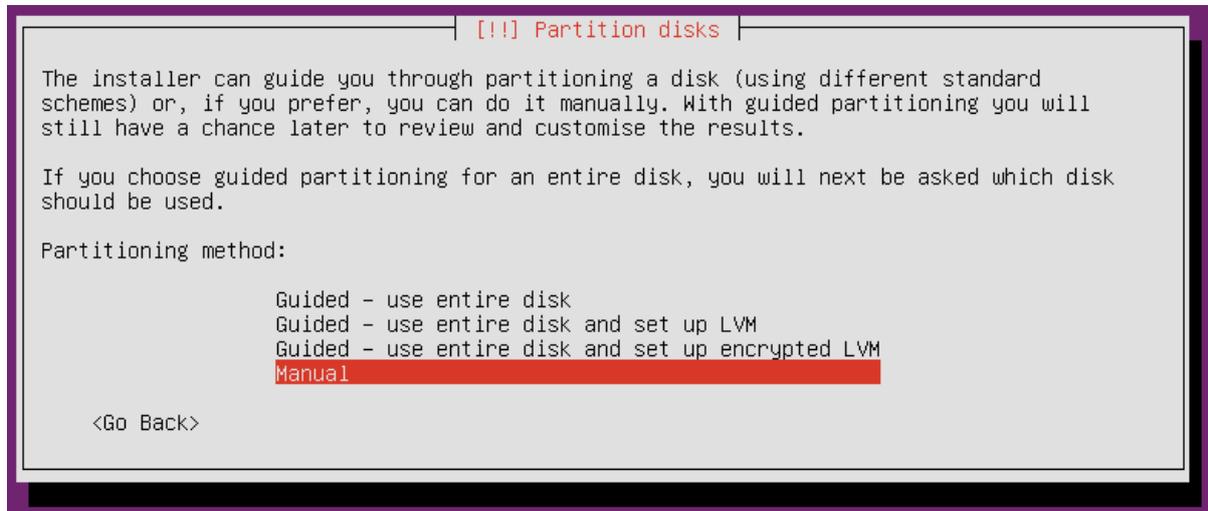
Note: The current supported Ubuntu is: 16.04.6 LTS Server. The appropriate audience for this document is end-users. Ask a Motadata professional to get the latest tar file.

Types of deployment supported:

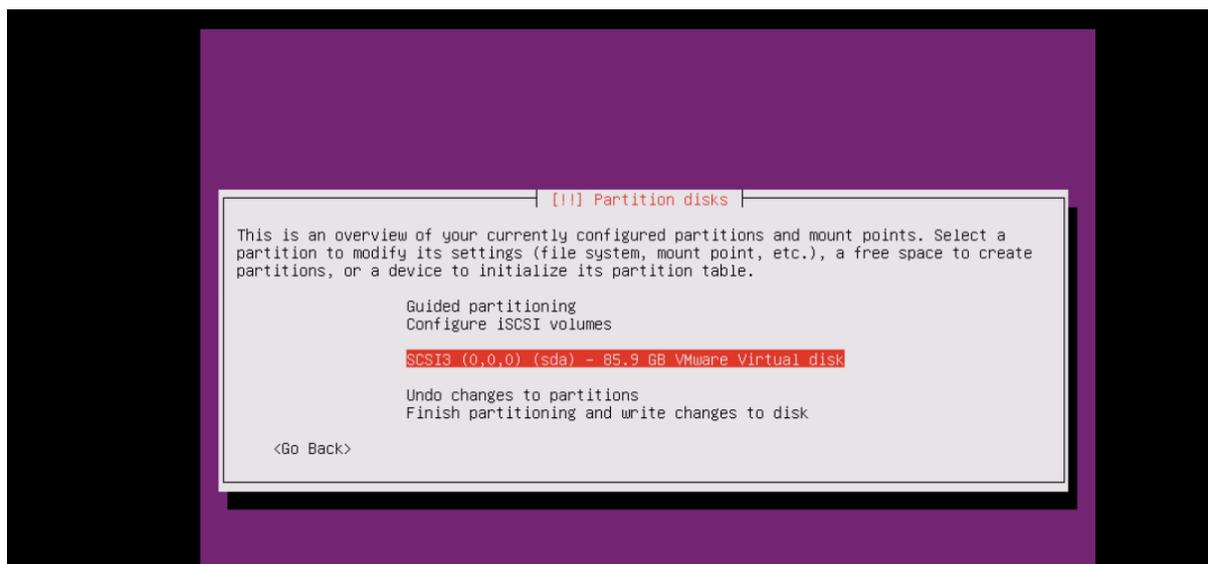
- Single box deployment
- Distributed mode deployment

2 Create Btrfs Partition

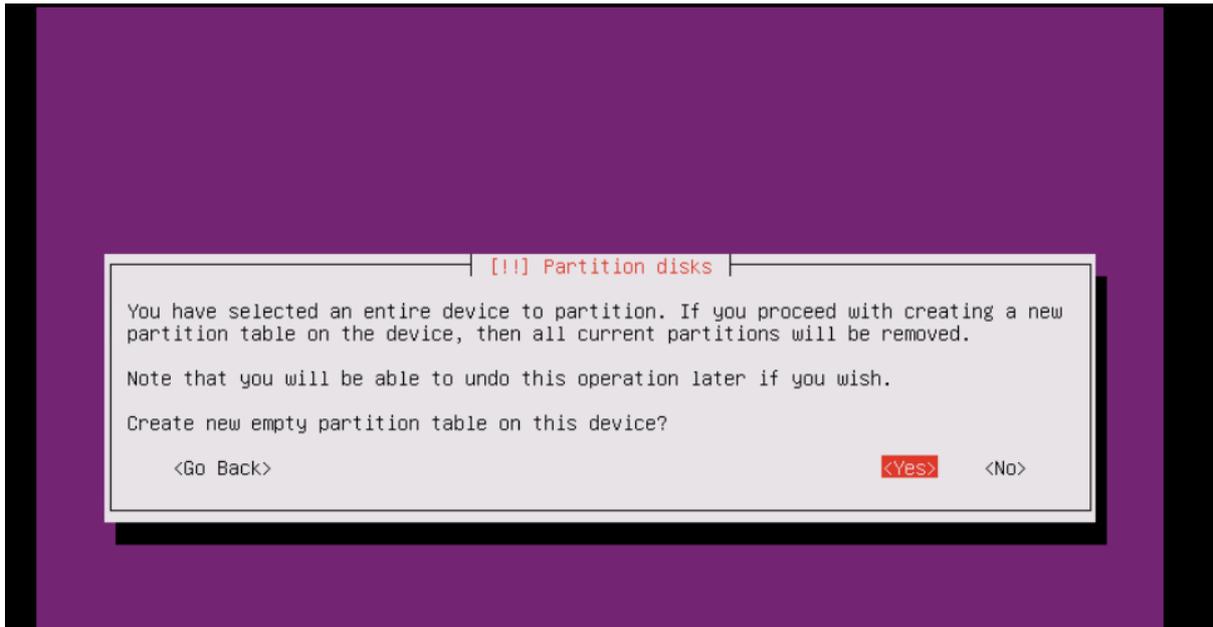
You'll get option to choose the partition. Select **Manual**.



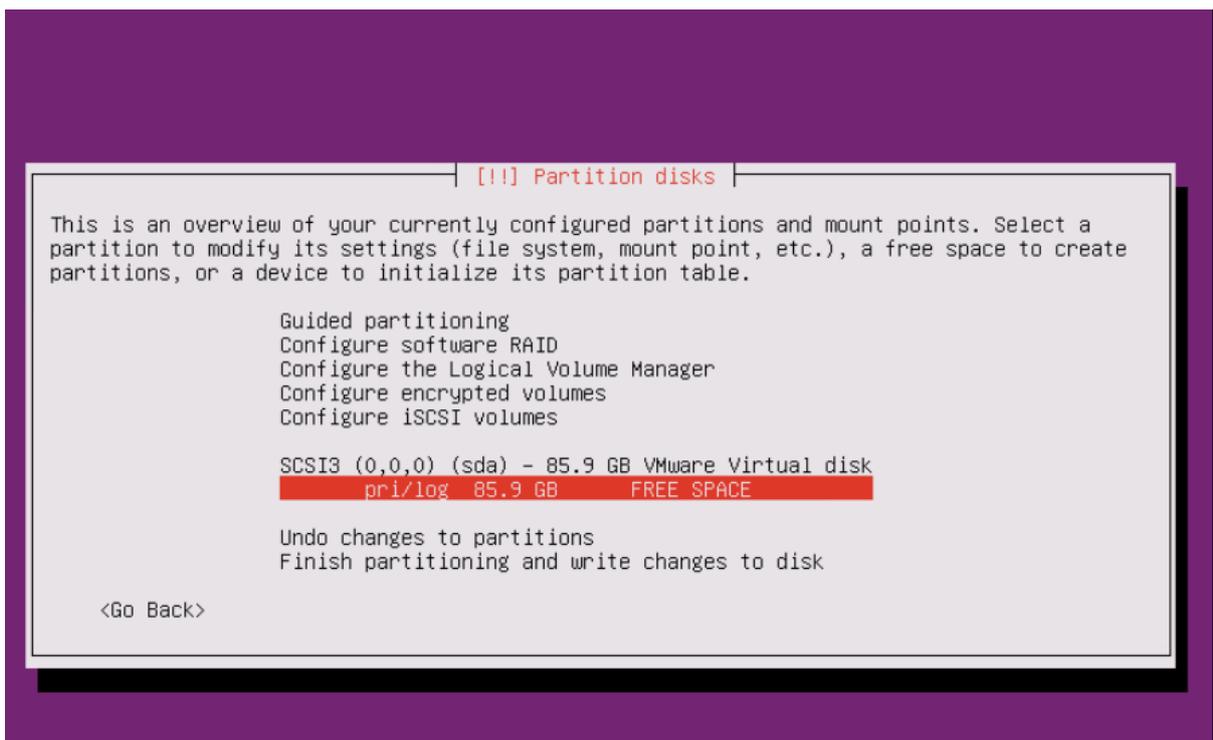
Choose the SCSI3 option. The name could be different in your machine. Here, we are selecting the hard disk that we are using.



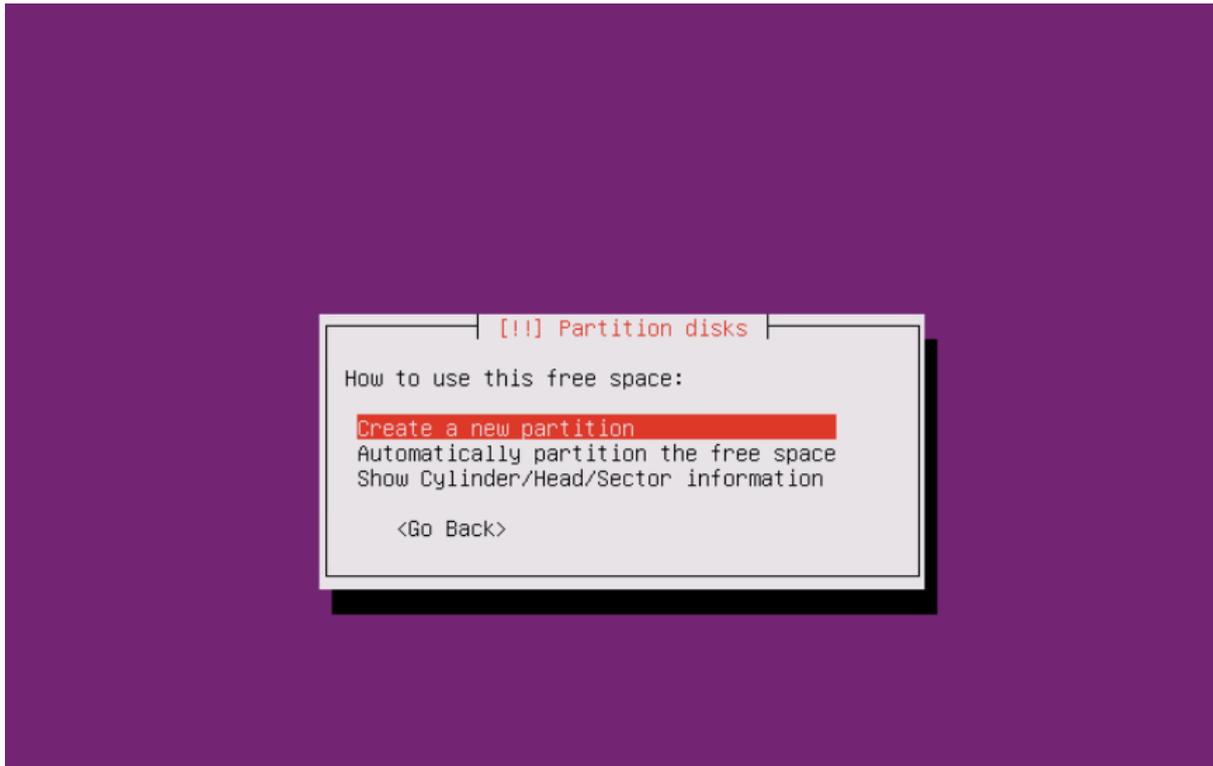
Click **'Yes'** to create new partition. It will remove all other partitions if existing on disk.



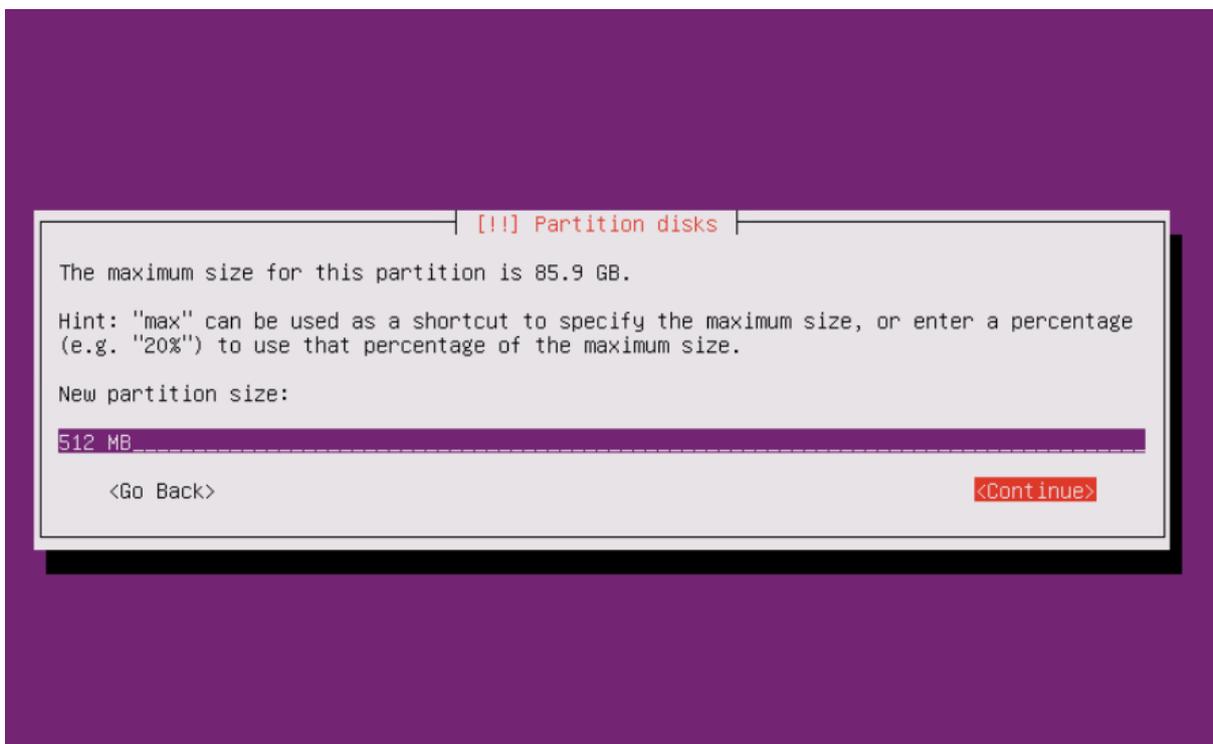
Select the free space available in SCSI3 partition. If your system shows different name, select accordingly.



Select 'Create a new partition'.



Create a root partition of the required size. Ask our deployment professional for the recommended value (based on your requirement).



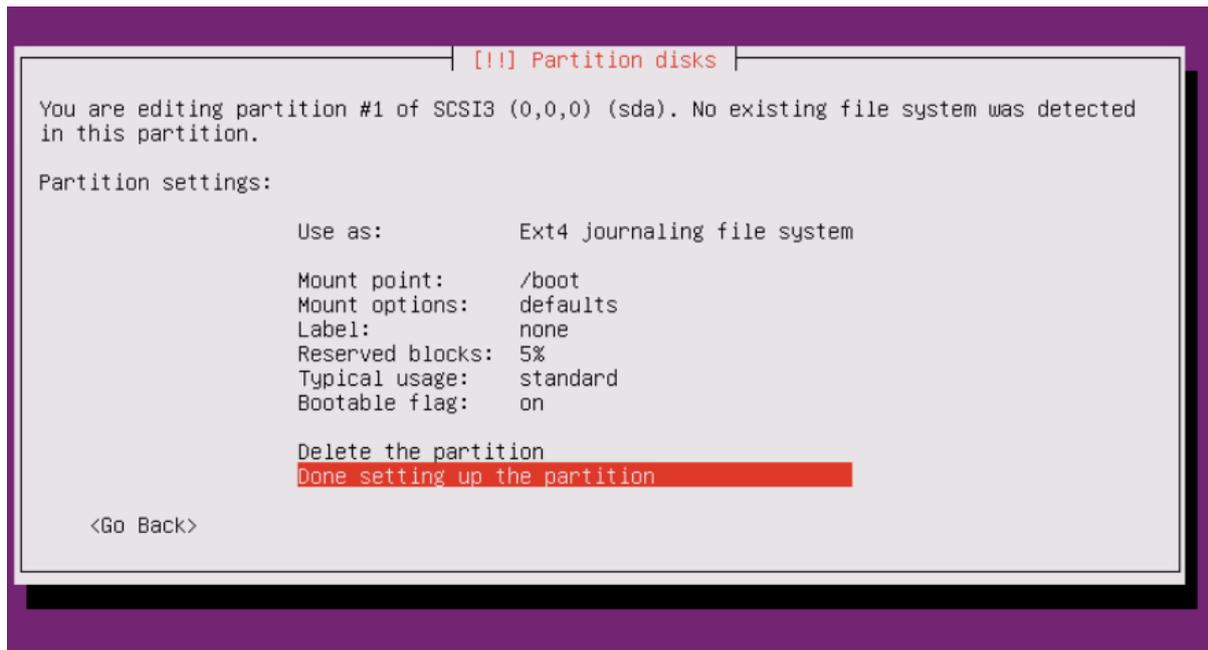
Select the type of partition as: 'Primary'.



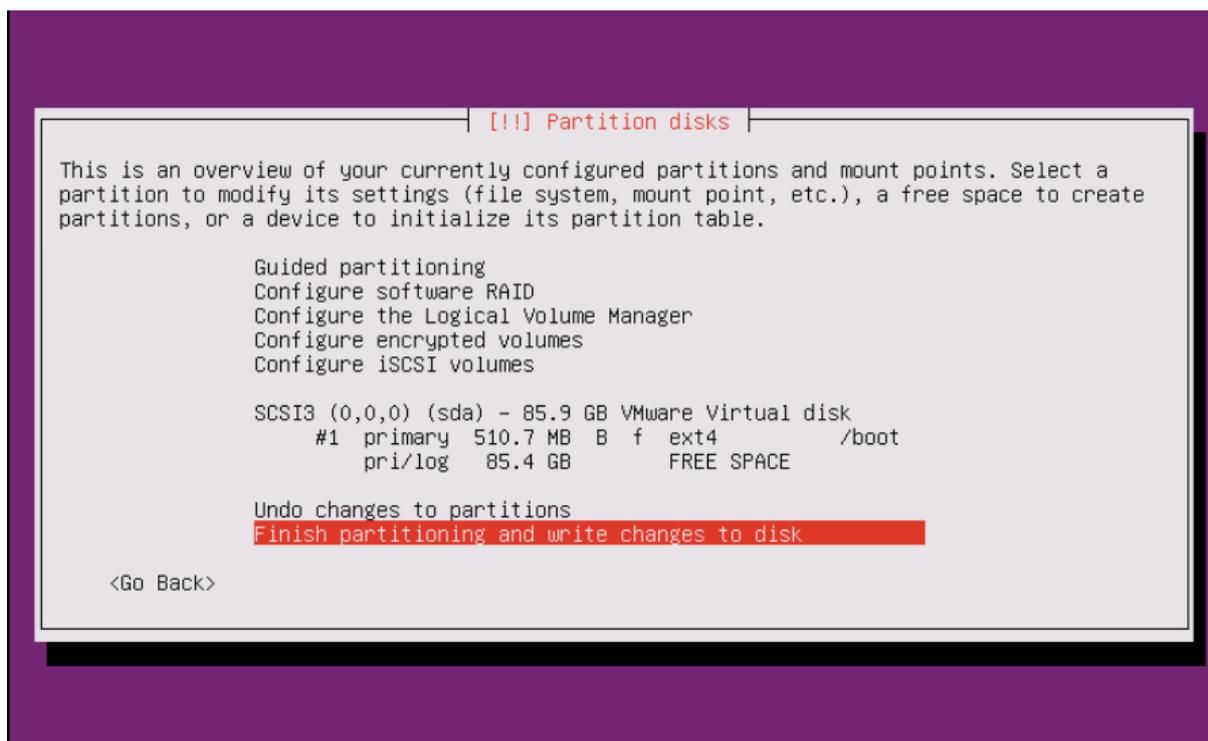
Select 'Beginning' to create this partition in beginning.



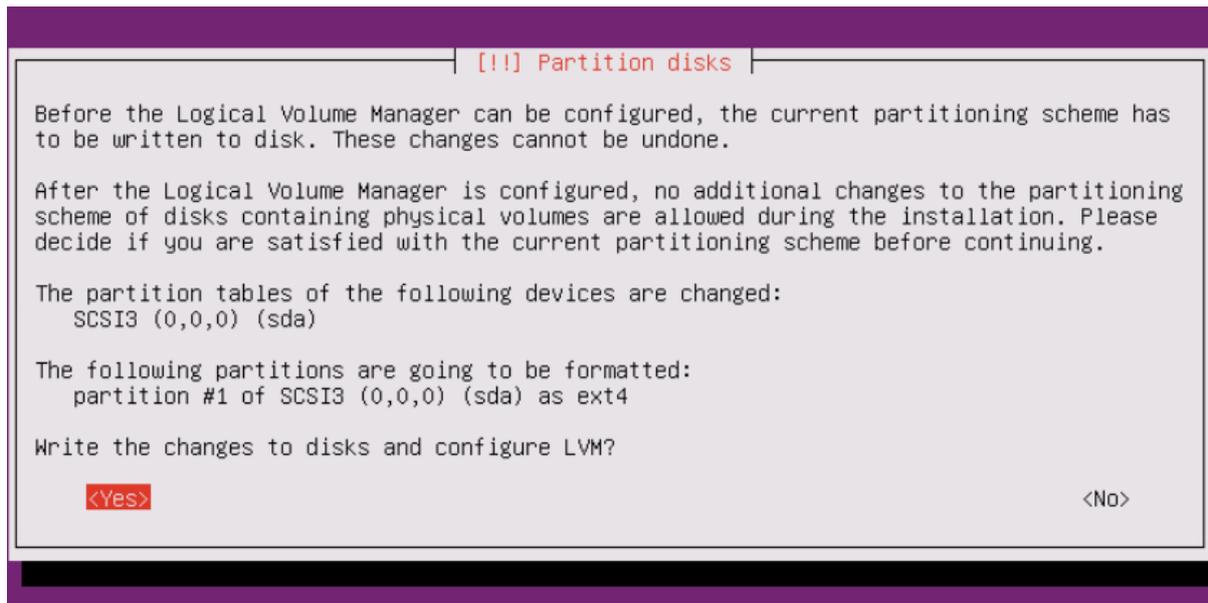
Select 'Done setting up the partition'.



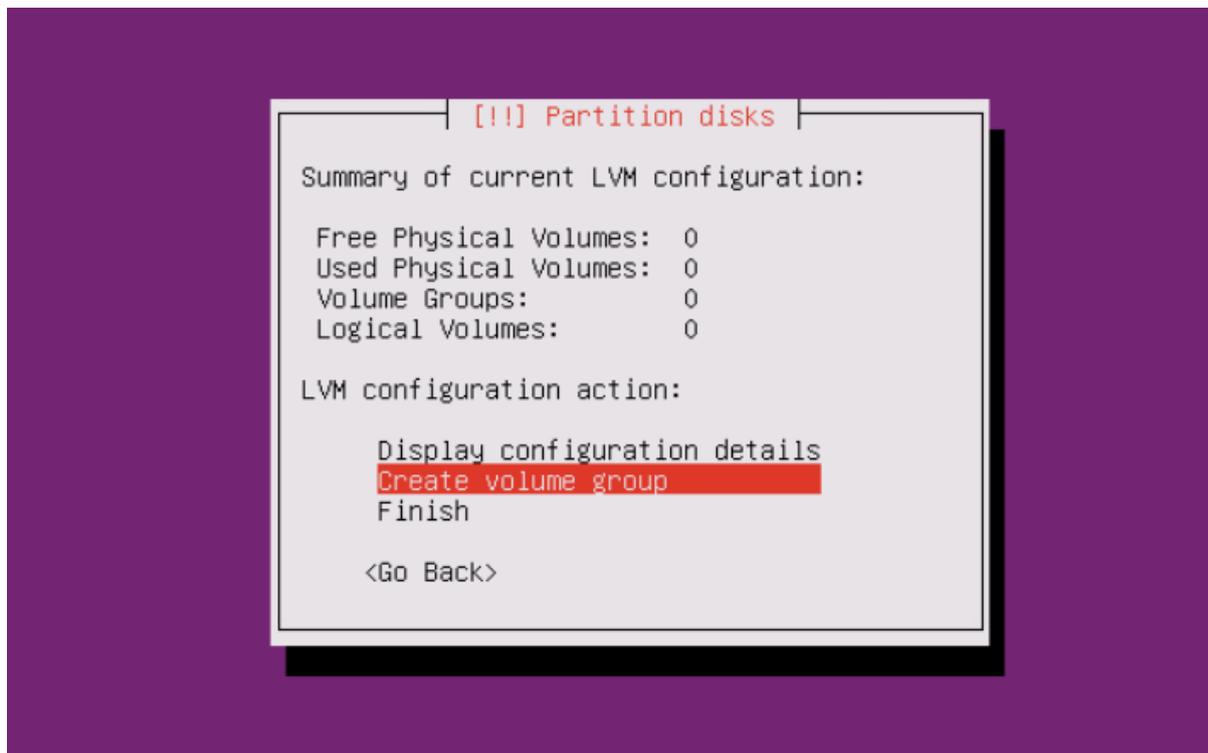
System will show the overview of currently configured partitions. Recheck everything and select 'Finish partitioning and write changes to disk'.



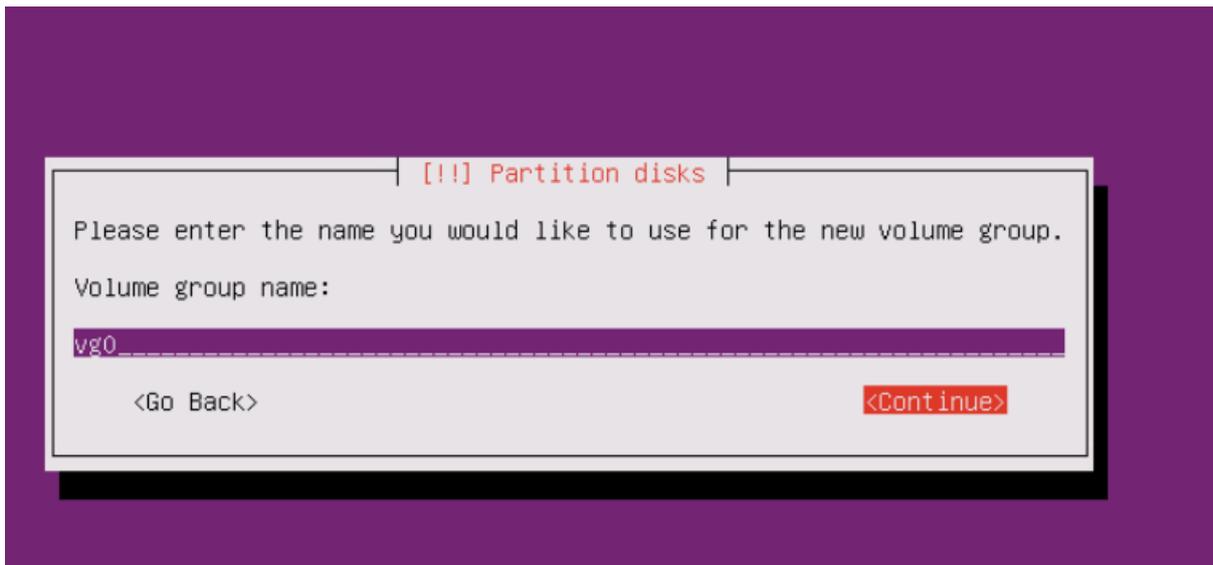
Select 'Yes' to confirm writing changes to disk.



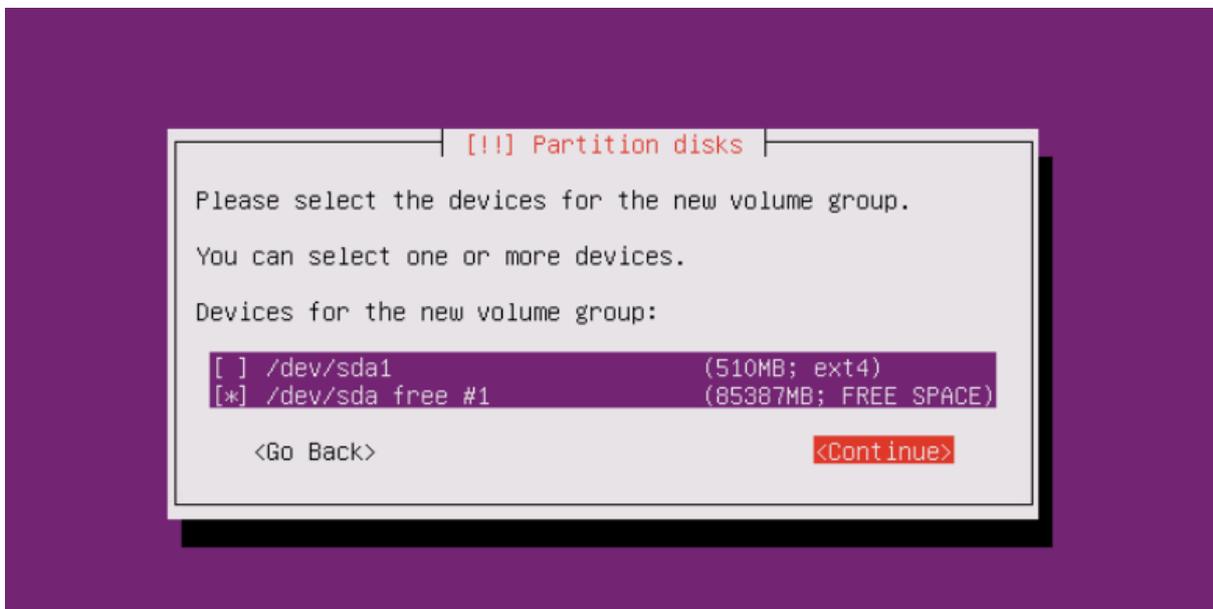
Select 'Create Volume Group'. We'll use the rest of the partition for Motadata.



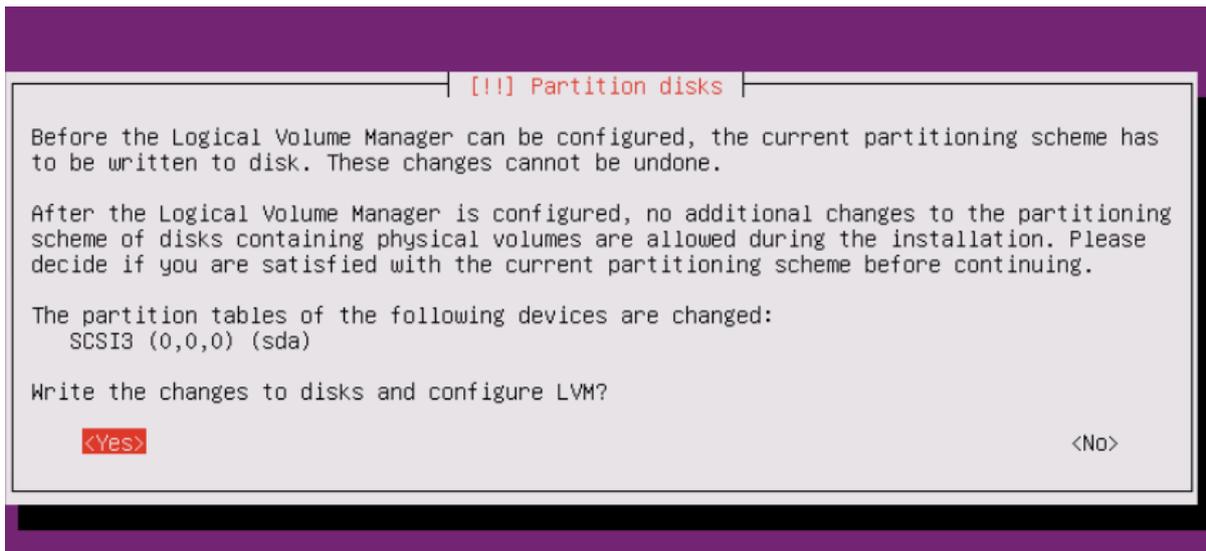
Enter the name of the new logical volume group.



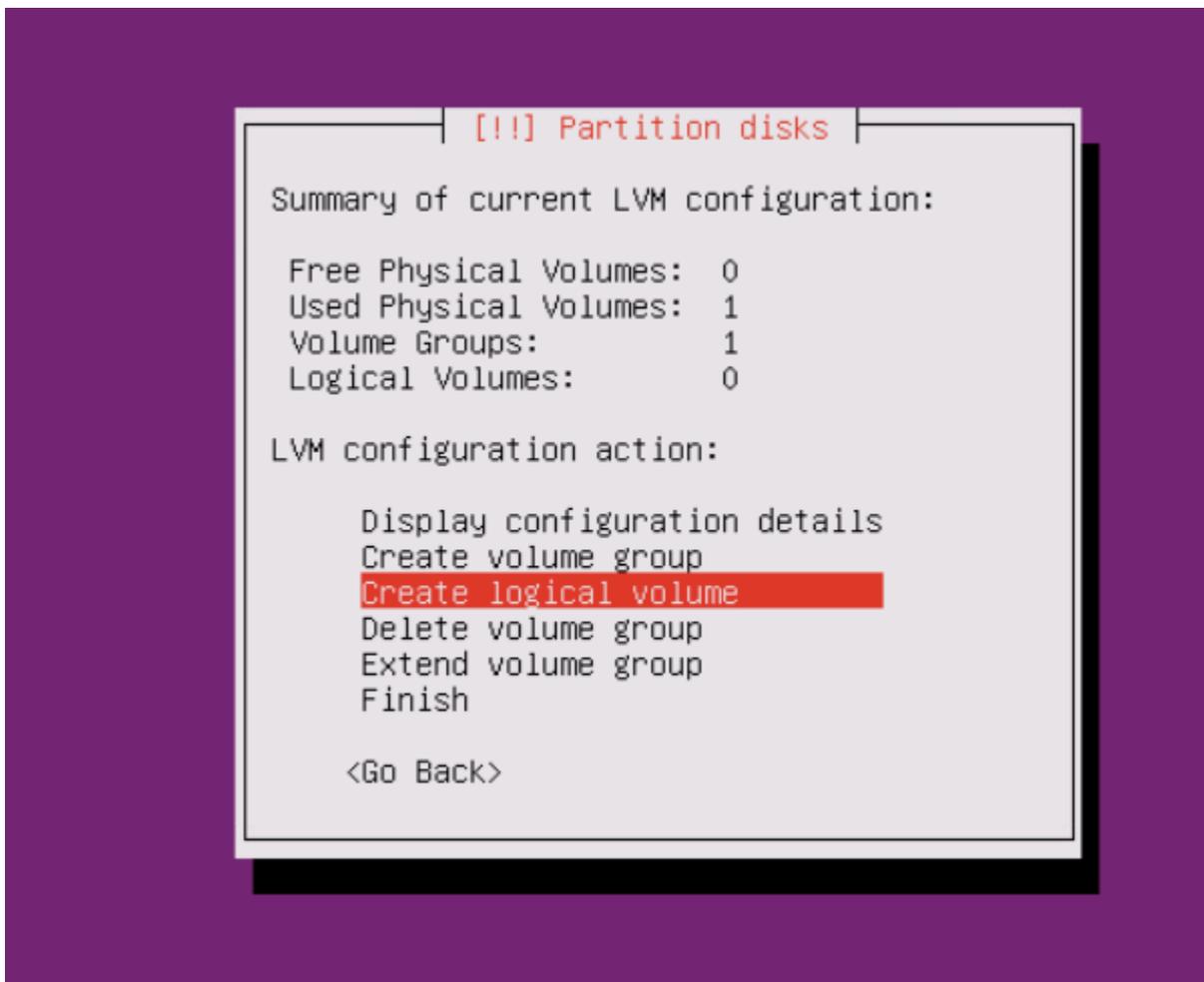
Select the *free* partition to create new volume group.



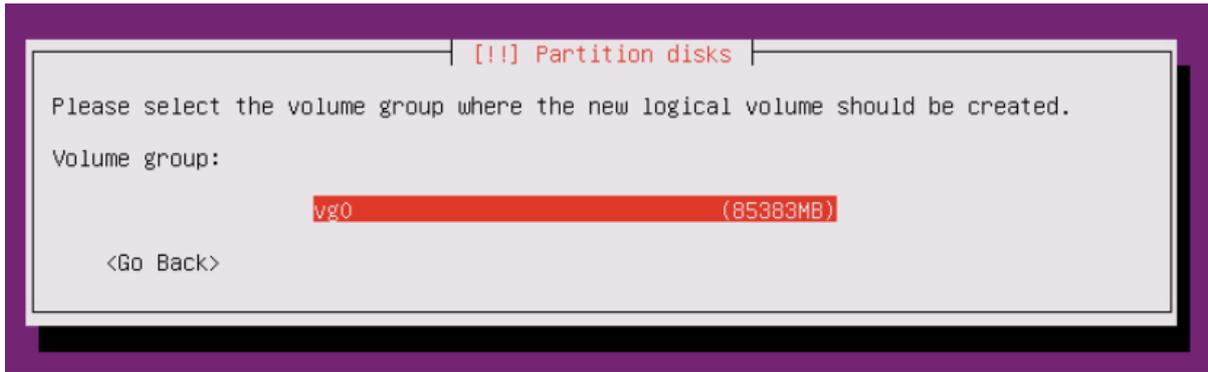
Select 'Yes' to confirm creating the logical volume group.



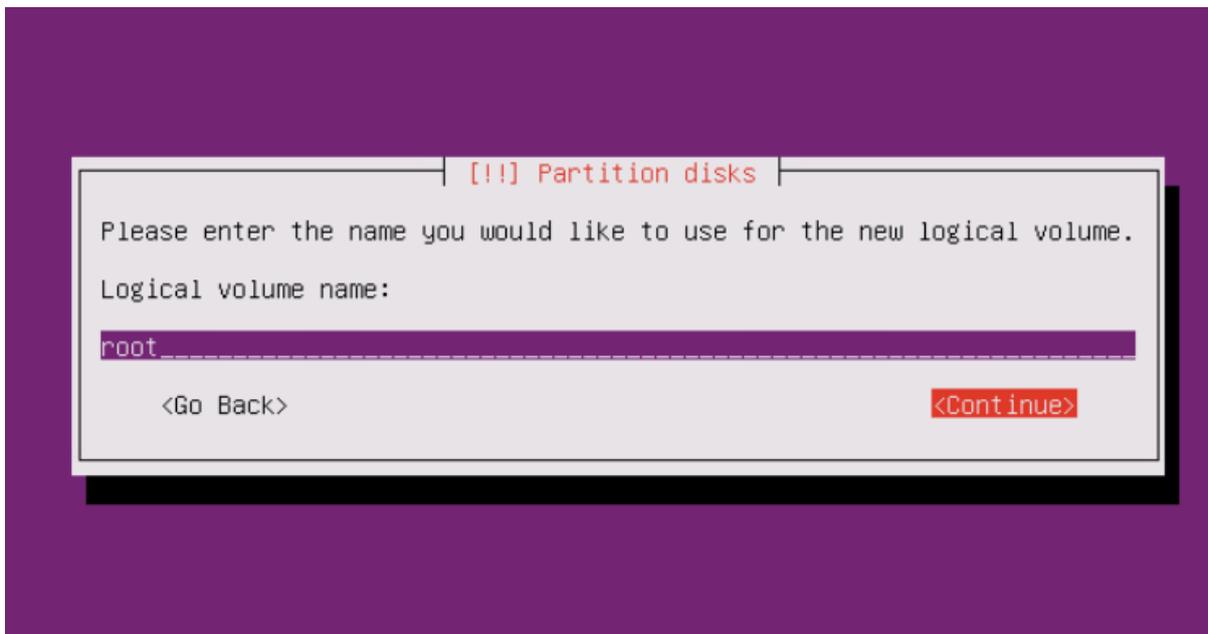
Select 'Create logical volume'.



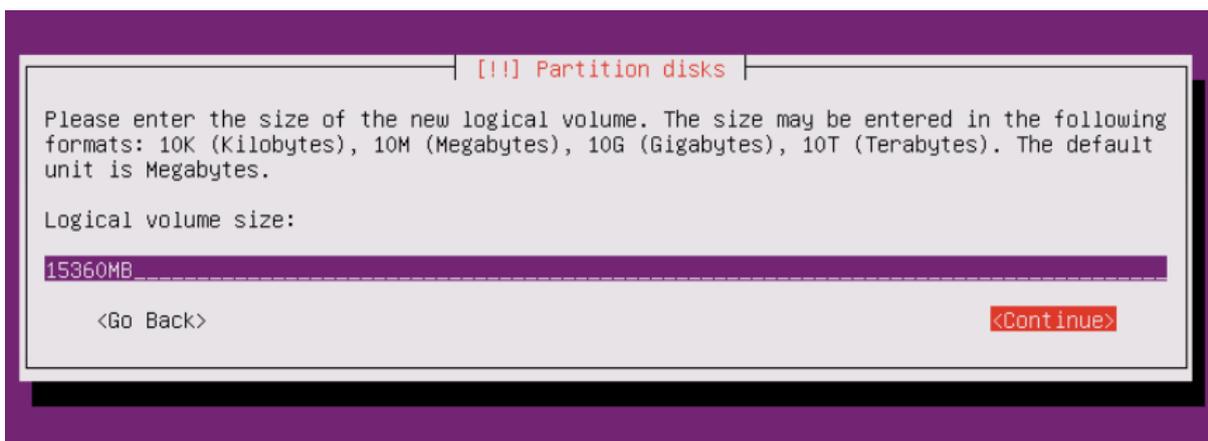
Select the name of the volume group from given options.



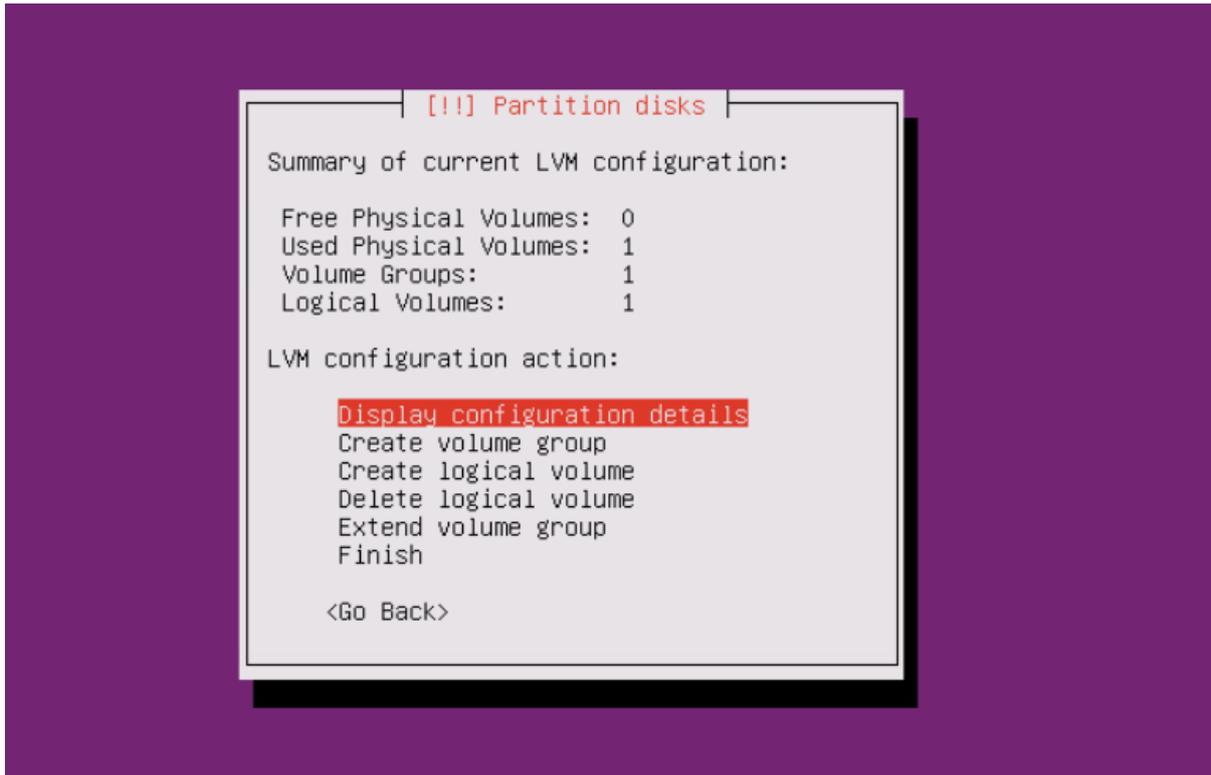
Type the name of a logical volume in logical volume group. Recommended name is 'root'.



Type the size of the root logical volume. Minimum recommended size is 15 GB.



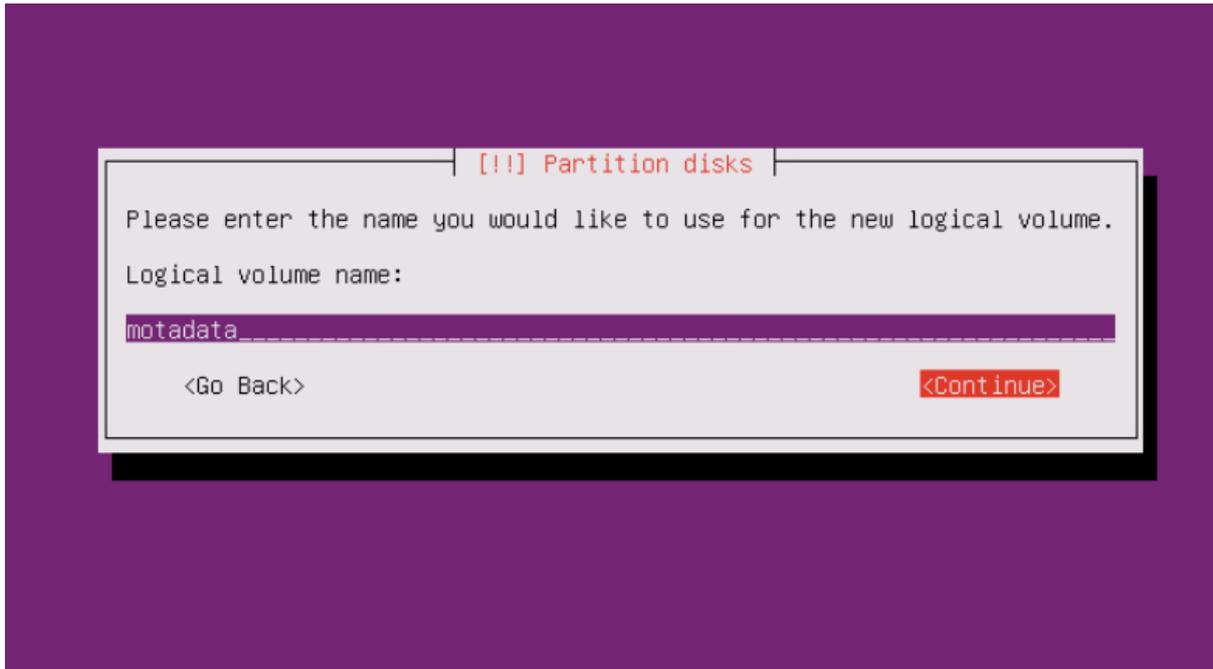
Click on 'Display Configuration Details'



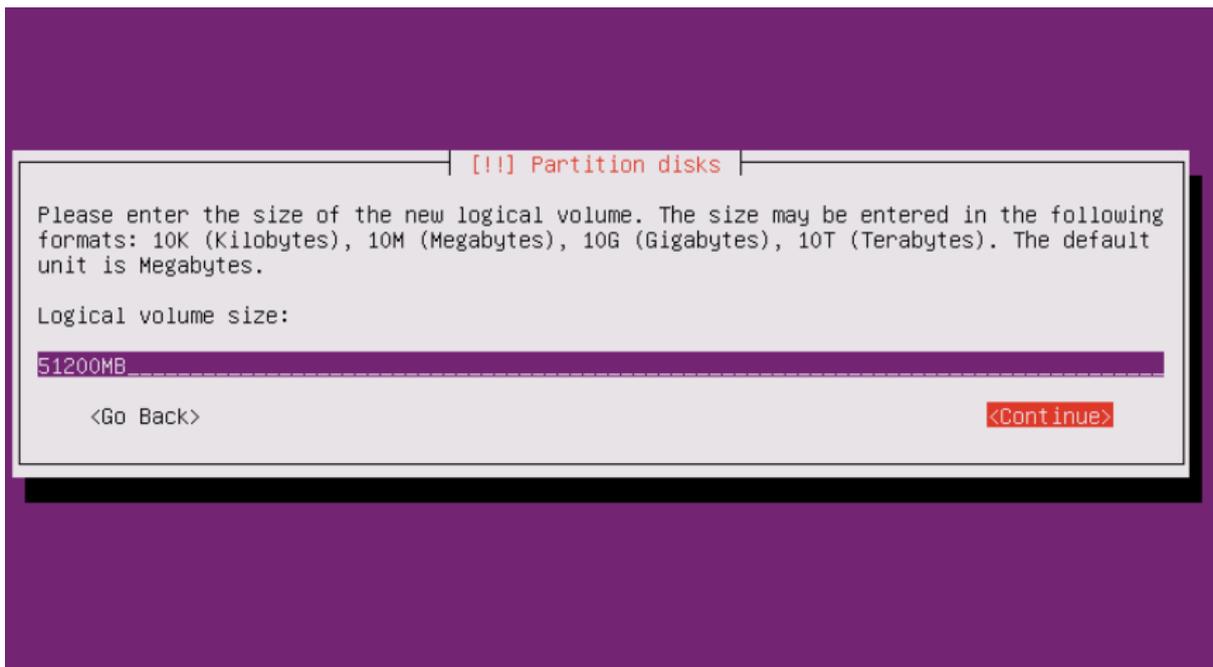
Select the volume group again.



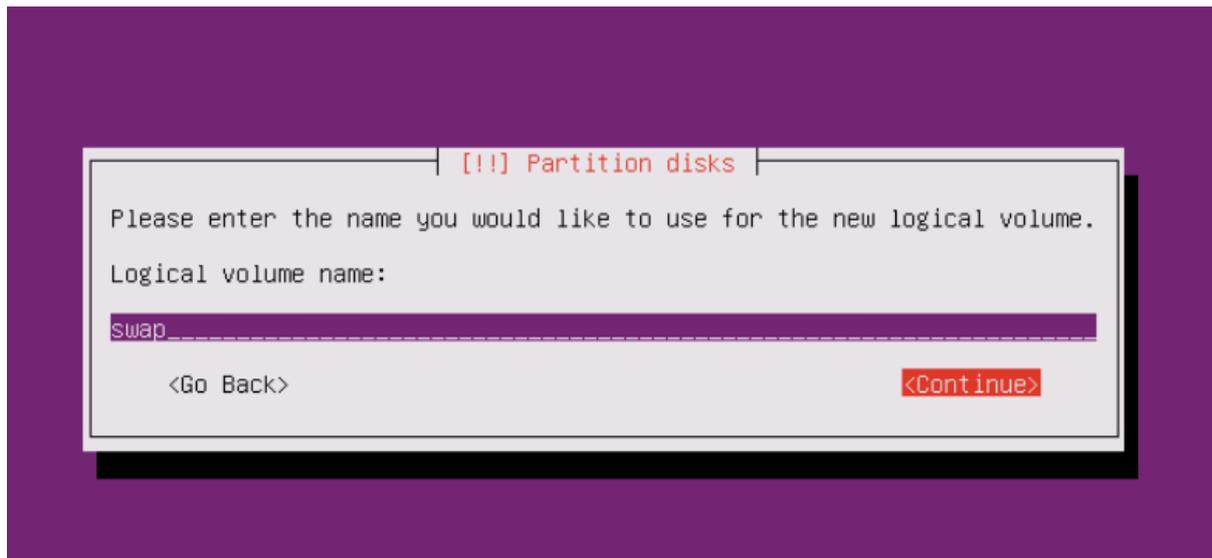
Name the new logical volume. Recommended name is 'motadata'.



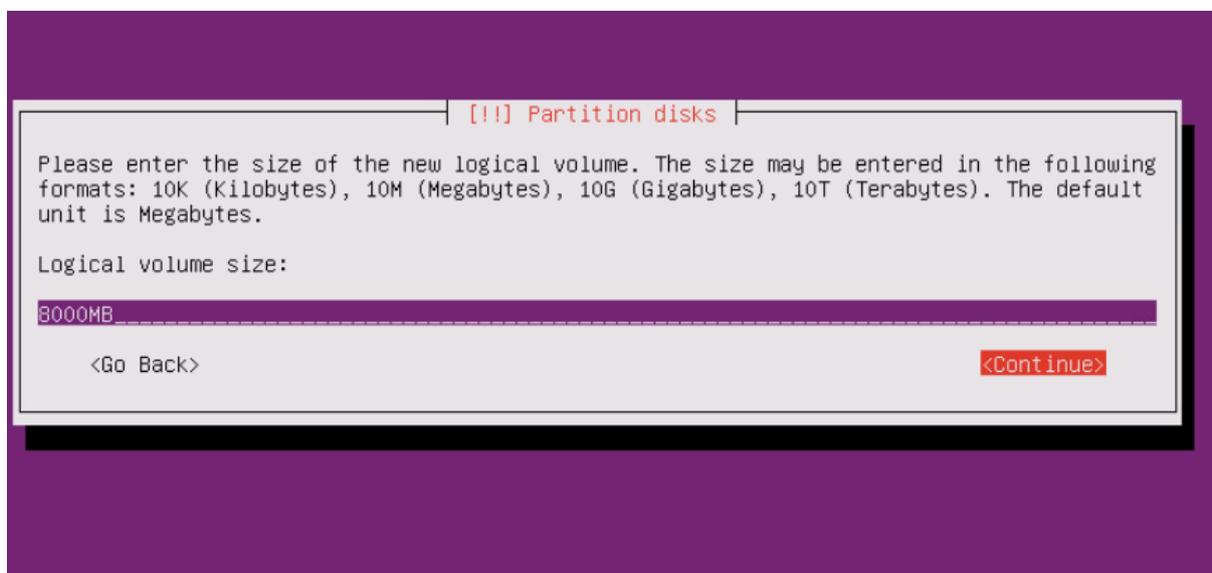
Choose the desired size as per consultation with our deployment professional. Minimum recommended size is 50 GB.



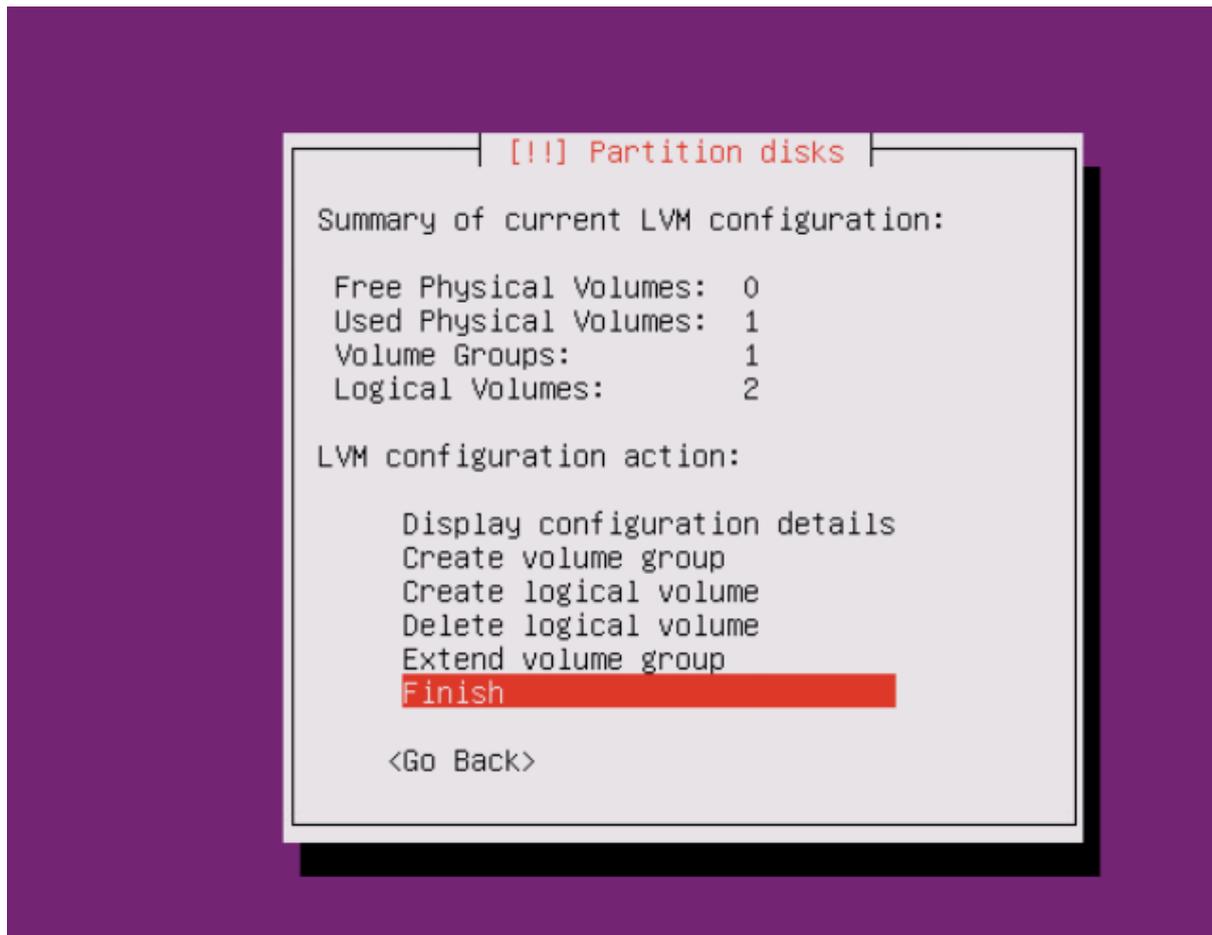
Again type the name of the new logical volume name. Recommended name is 'swap'.



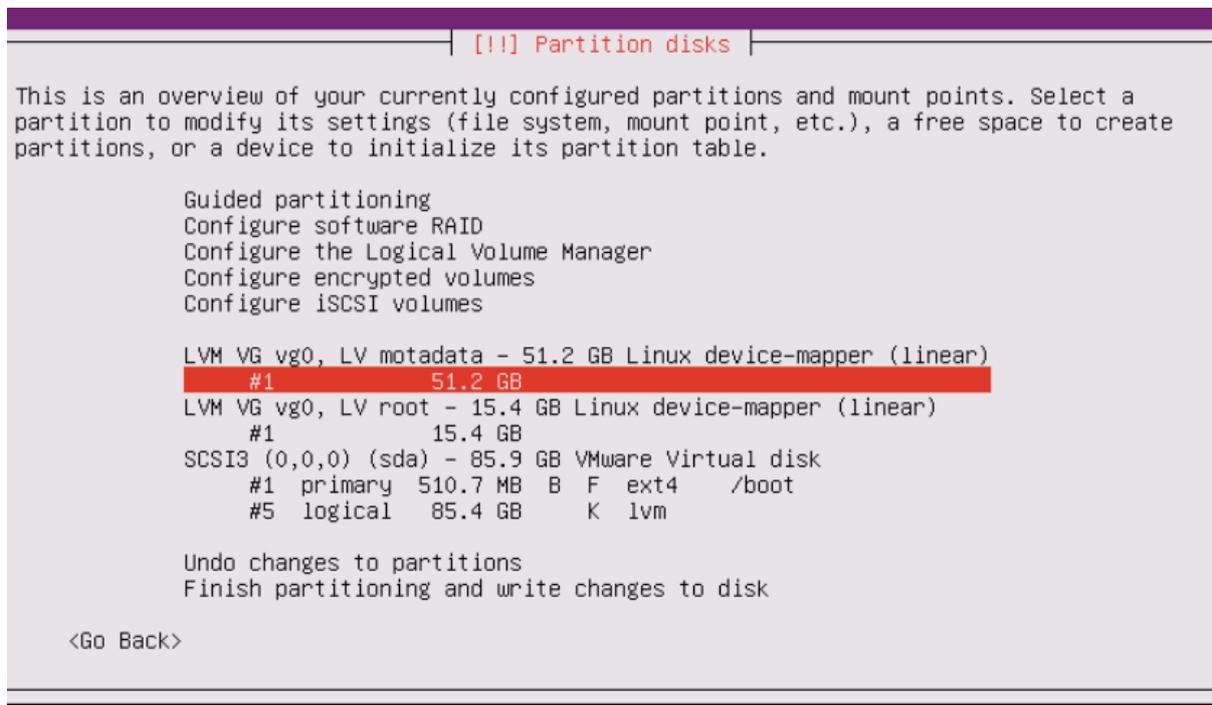
Type the size for swap volume. Minimum recommended size is 8 GB.



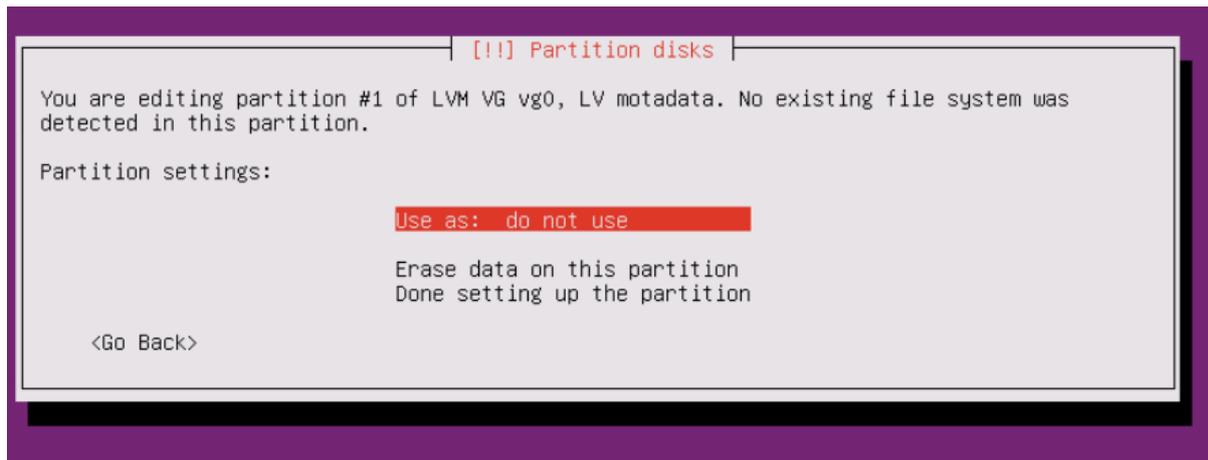
Click 'Finish'.



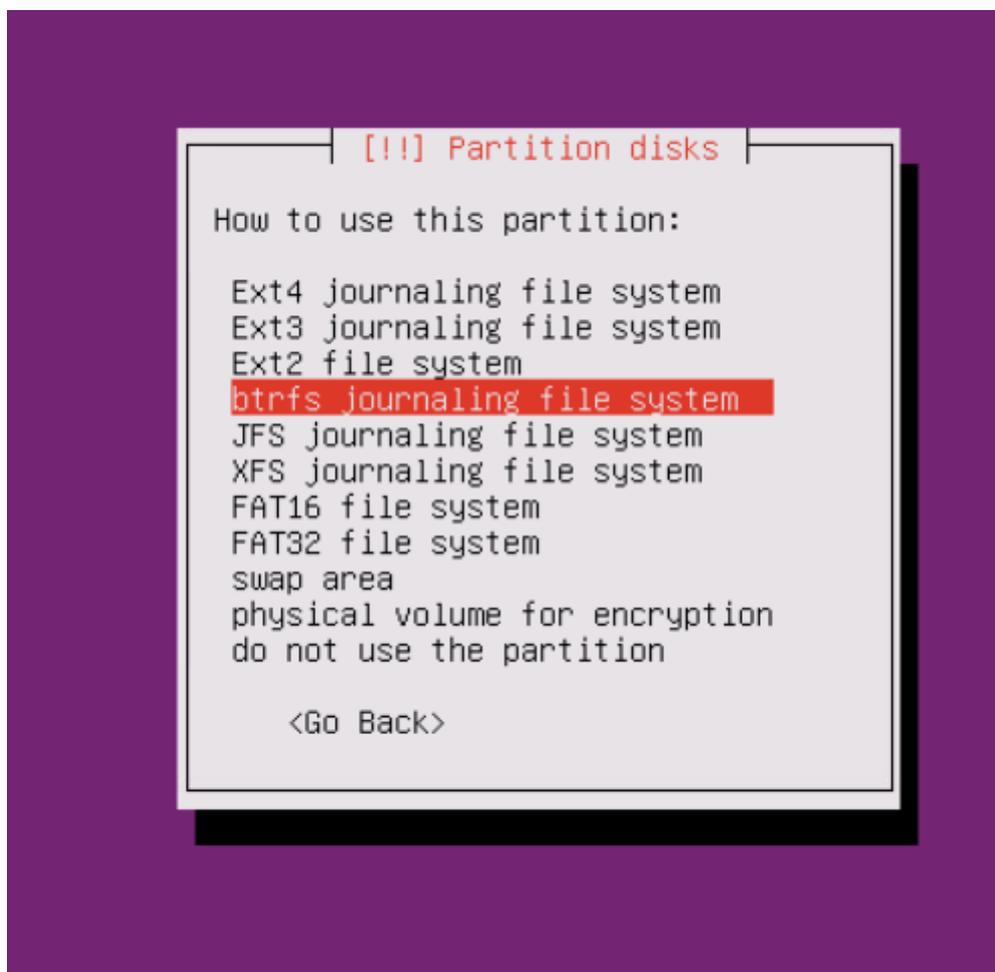
In the overview, select the 'motadata' logical volume. (Or any other name that you gave).



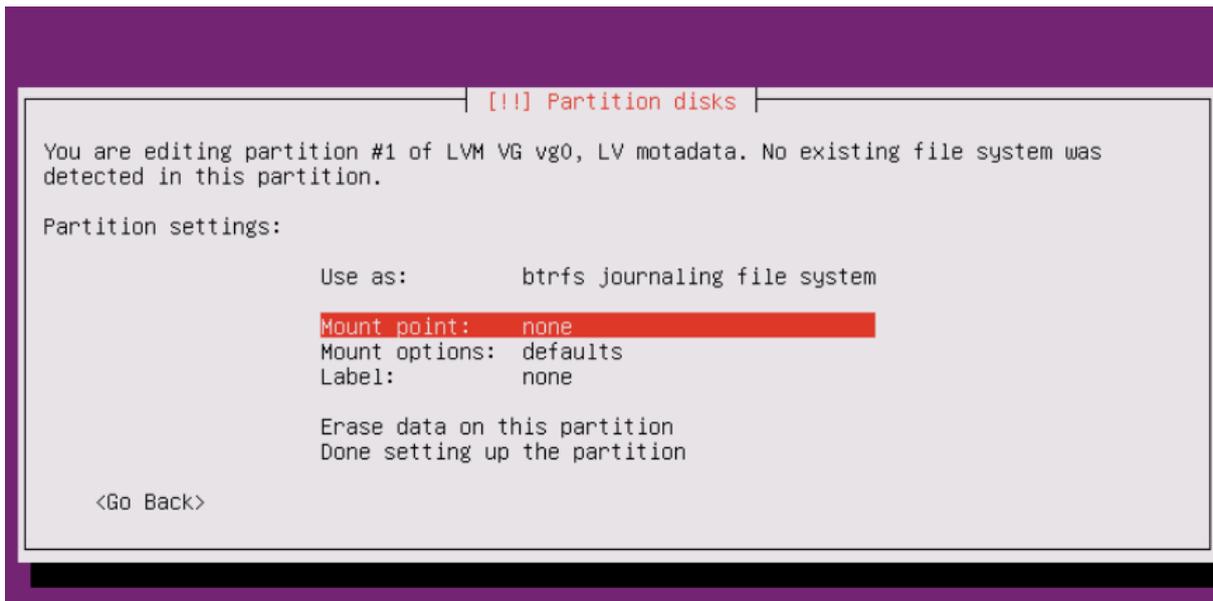
Select 'Use as: do not use'.



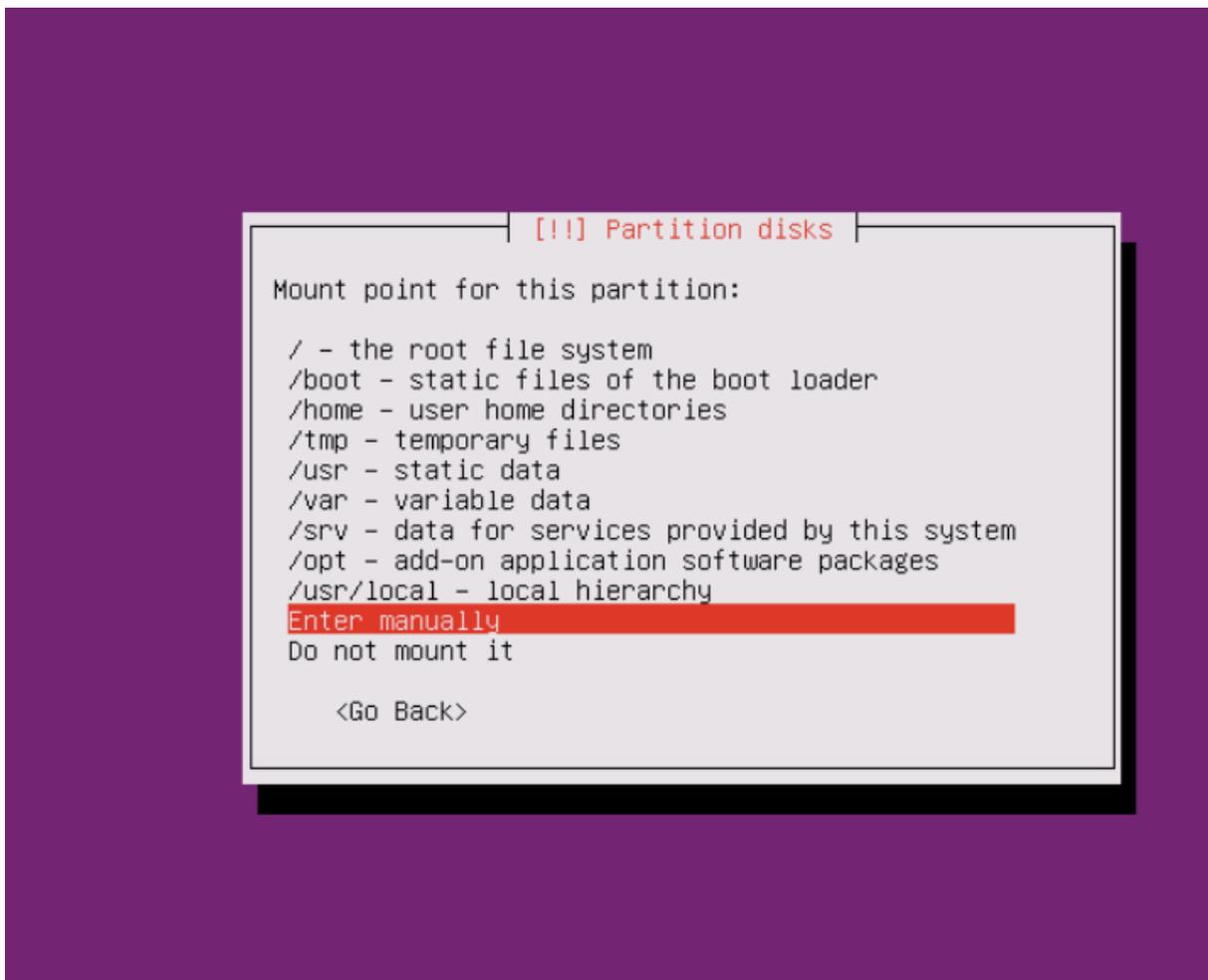
Select Btrfs journaling partition file system.



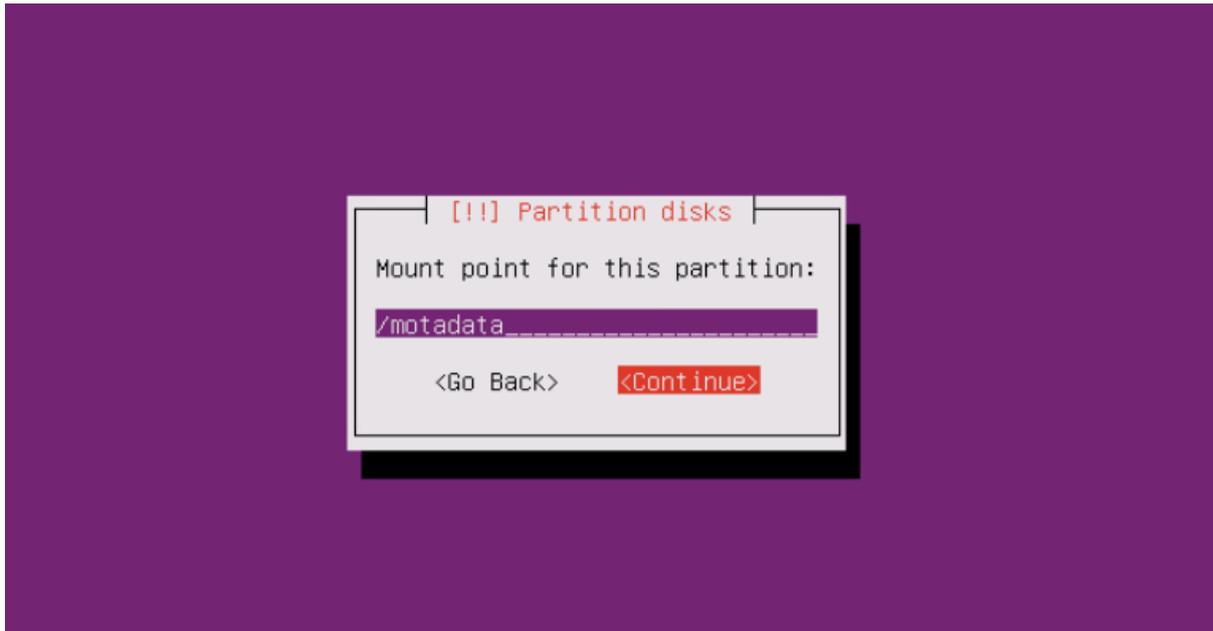
Select mount point as 'None'.



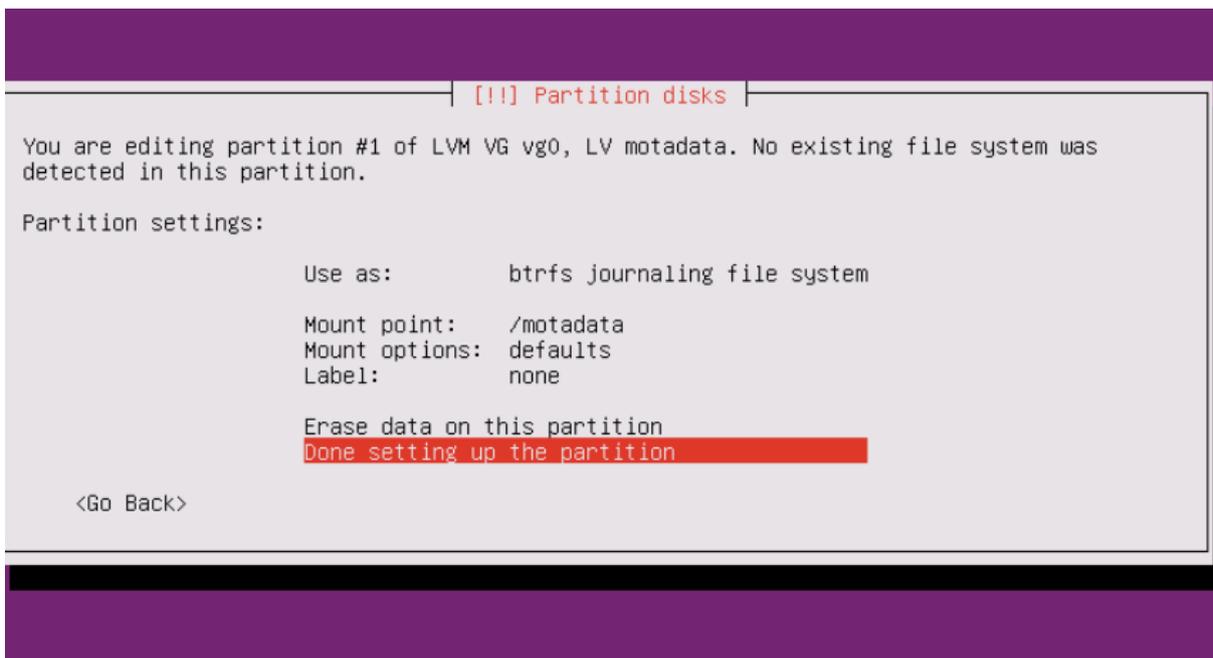
In mount point, select 'Enter Manually'.



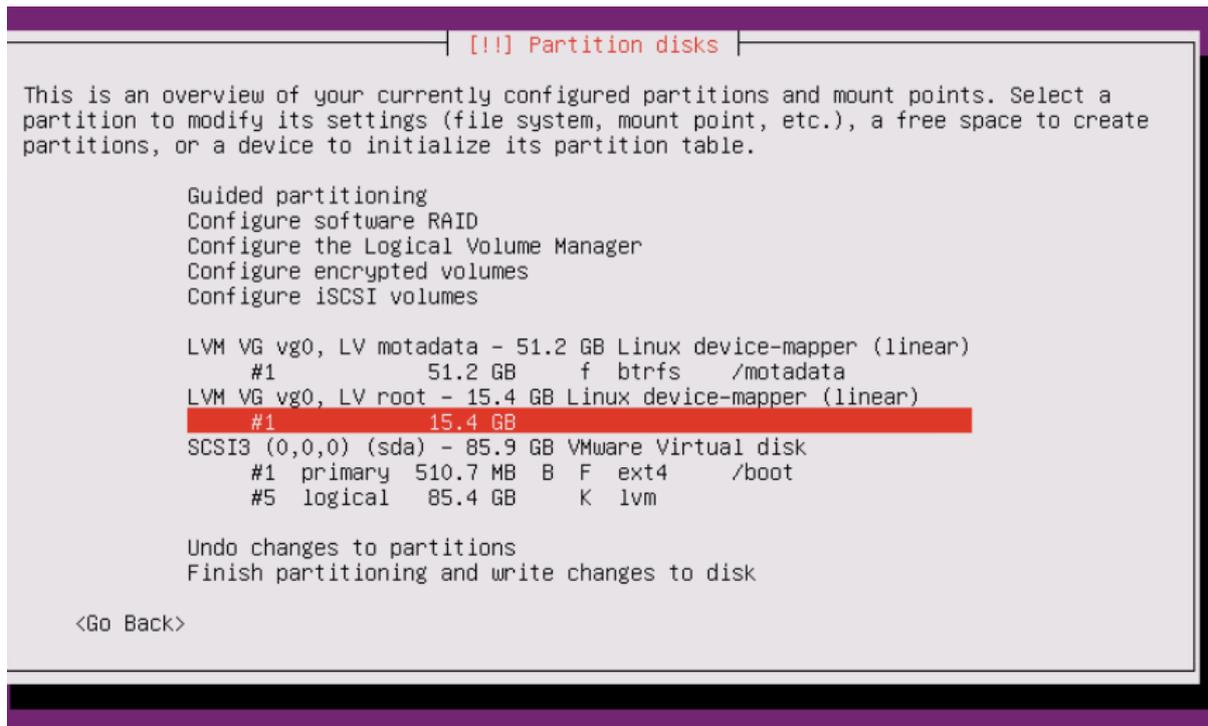
Select mount point as 'motadata'.



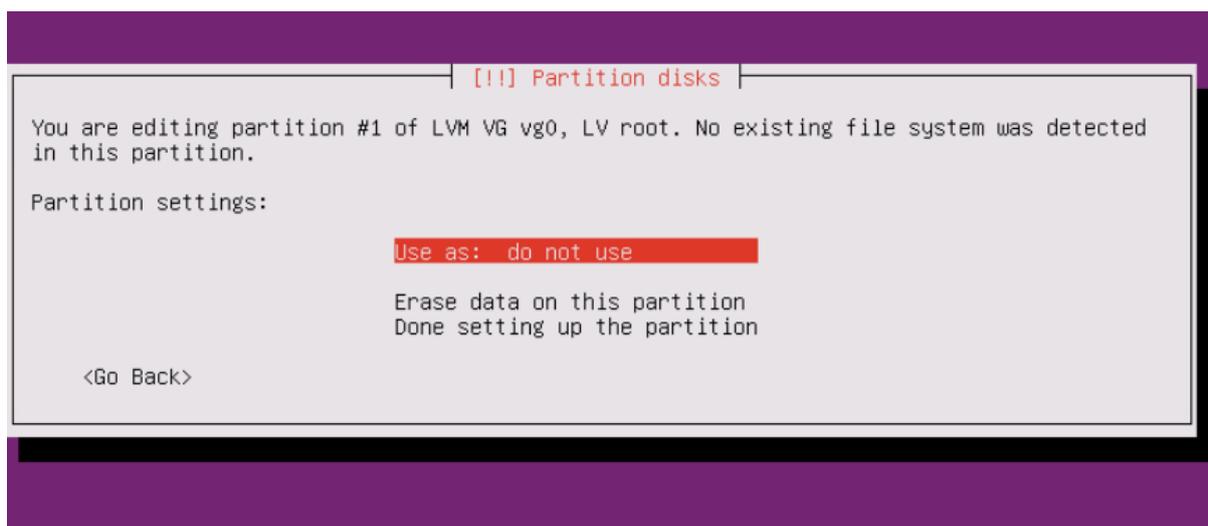
Click on 'Done setting up the partition'.



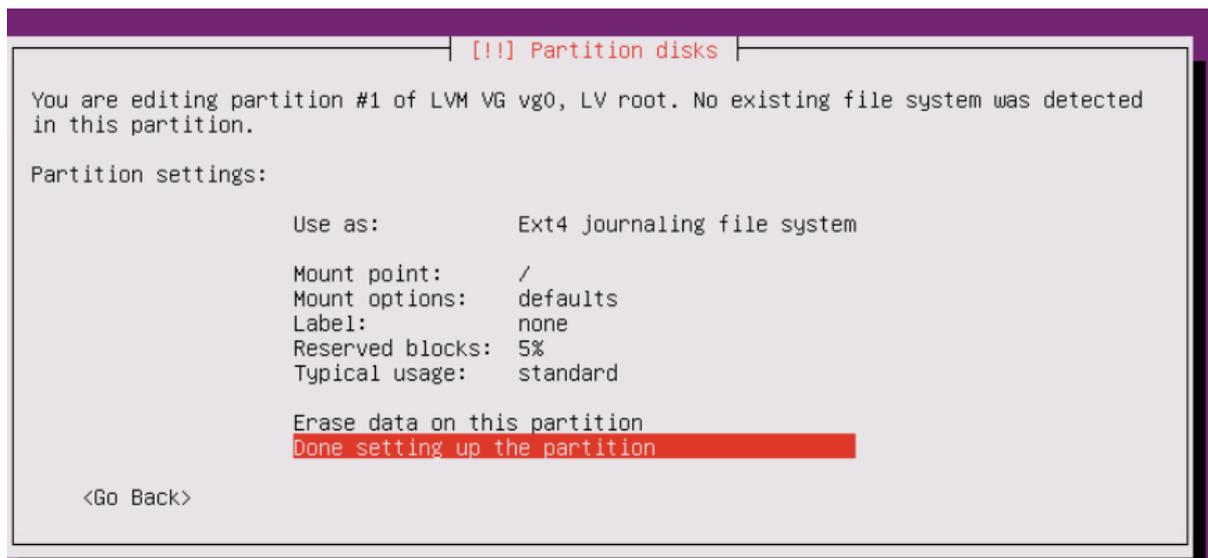
Select 'root' partition.



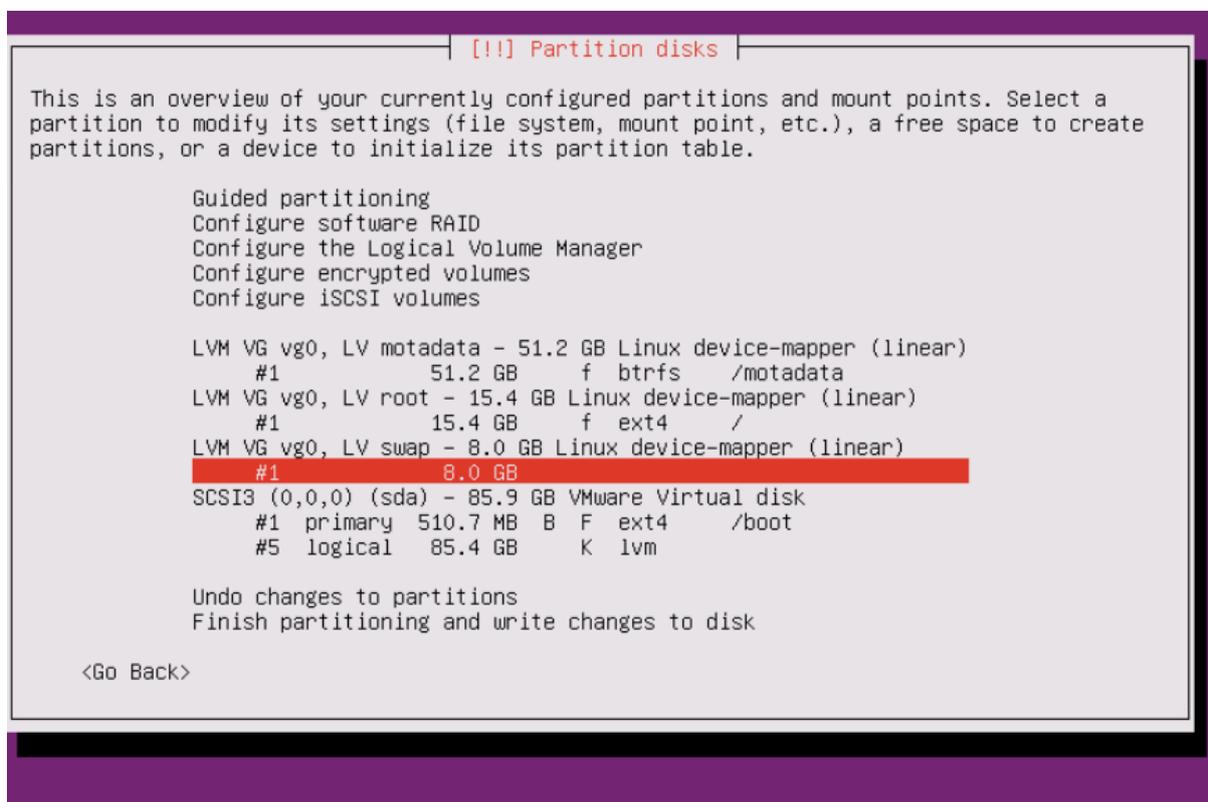
Select 'Use as: do not use'.



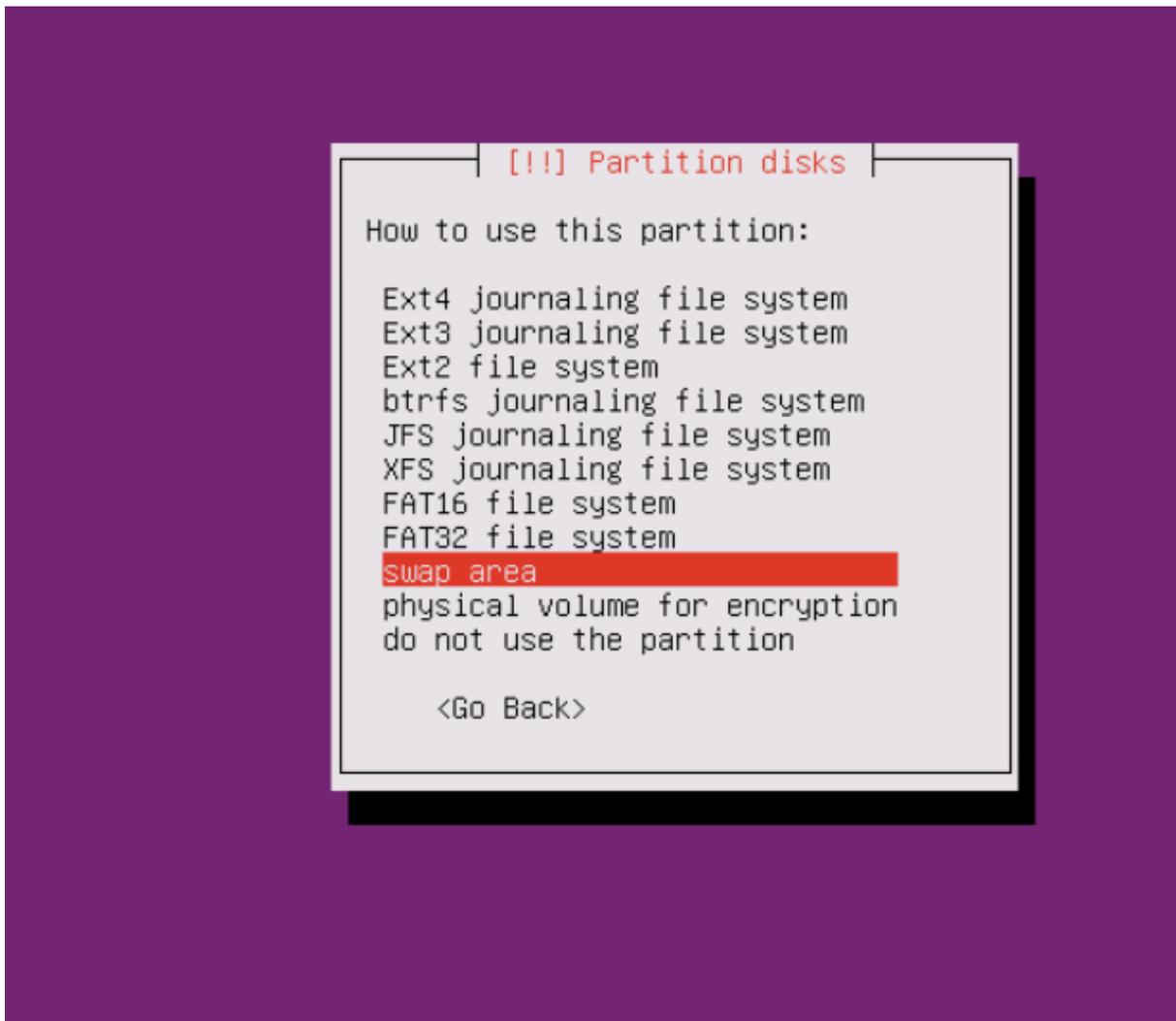
Select 'Done setting up the partition'.



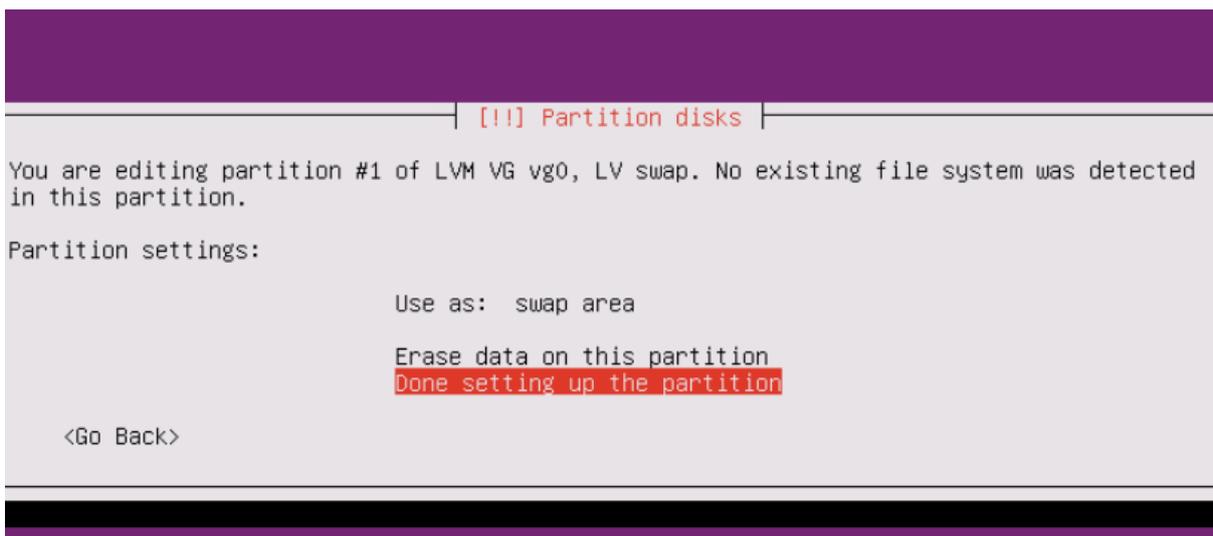
Select 'swap' partition.



Select 'swap area' to use the partition.



Select 'Done setting up the partition'.



Select 'Finish partitioning and write changes to disk'.

[!!!] Partition disks

This is an overview of your currently configured partitions and mount points. Select a partition to modify its settings (file system, mount point, etc.), a free space to create partitions, or a device to initialize its partition table.

```

Guided partitioning
Configure software RAID
Configure the Logical Volume Manager
Configure encrypted volumes
Configure iSCSI volumes

LVM VG vg0, LV motadata - 51.2 GB Linux device-mapper (linear)
  #1          51.2 GB    f btrfs  /motadata
LVM VG vg0, LV root - 15.4 GB Linux device-mapper (linear)
  #1          15.4 GB    f ext4   /
LVM VG vg0, LV swap - 8.0 GB Linux device-mapper (linear)
  #1          8.0 GB    f swap   swap
SCSI3 (0,0,0) (sda) - 85.9 GB VMware Virtual disk
  #1 primary  510.7 MB  B F ext4  /boot
  #5 logical  85.4 GB   K lvm
    
```

Undo changes to partitions
Finish partitioning and write changes to disk

<Go Back>

Select 'Yes' to confirm.

[!!!] Partition disks

If you continue, the changes listed below will be written to the disks. Otherwise, you will be able to make further changes manually.

The partition tables of the following devices are changed:

```

LVM VG vg0, LV motadata
LVM VG vg0, LV root
LVM VG vg0, LV swap
    
```

The following partitions are going to be formatted:

```

LVM VG vg0, LV motadata as btrfs
LVM VG vg0, LV root as ext4
LVM VG vg0, LV swap as swap
    
```

Write the changes to disks?

<Yes>
<No>

3 Steps to Install Motadata

1. Put Motadata-Master-7.5.200.tar.gz in /motadata directory
2. Extract Motadata-Master-7.5.200.tar.gz file
3. There will be one folder Motadata-Master & one installation file Motadata-Master-install.sh
4. Give permission to installation file:- `chmod +x Motadata-Master-install.sh`
5. Run the installation script:- `./Motadata-Master-install.sh`
6. Run 'ifconfig' command and note down the IP address.
7. Open the IP address in any modern browser. Use port no: 8080 at end of IP address (for ex: 123.123.123.123:8080)

Keep in touch

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