

Table of Contents

Create partitions	1
Create physical volumes	1
Create Volume Group	1
PVMove	1
Logical Volume	1
Import LVM on another system	2

Create partitions

fdisk - create partitions with 8e code (LVM)

```
# fdisk /dev/sdc
```

Create physical volumes

```
# pvcreate /dev/sdb1 /dev/sdc1
```

```
# pvdisplay
# pvs
# pvremove /dev/sdb1 /dev/sdc1 // -wipe previous content
# pvresize
```

Create Volume Group

```
# vgcreate -s 64M volumename /dev/sdb1 /dev/sdc1
```

```
# vgdisplay
# vgrename
# vgscan
# vgextend volumename /dev/sdb3
```

PVMove

pvmove

Logical Volume

Create thin share of 40GB size with volumename (-T Thin provisioning)

You may leave some free space for snapshots (16GB for example) otherwise snapshots will not work.

```
# lvcreate --name share -T --size 40G volumename
# lvcreate --name share -l 100%FREE volumename
```

```
# lvdisplay
# lvrename
```

```
# lvscan  
# lvremove  
# lvextend -L1.5G /dev/volumename/share  
# lvreduce -L1G /dev/volumename/share
```

Remove reserved space for root user

```
tune2fs -m 0 /dev/sdXY
```

Import LVM on another system

```
vgchange -ay
```

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