

**Vanier College**  
**Faculty of Careers and Technical Programs**  
**Department of Computer Science Technology**

# **Advanced UNIX**

**Lab #6**

**Title: Linux Server Deployment**

**Student Names: Marissa Gonçalves**  
**Amy Yip**  
**Yulia Bakaleinik**

**Submitted to Florin Pilat**

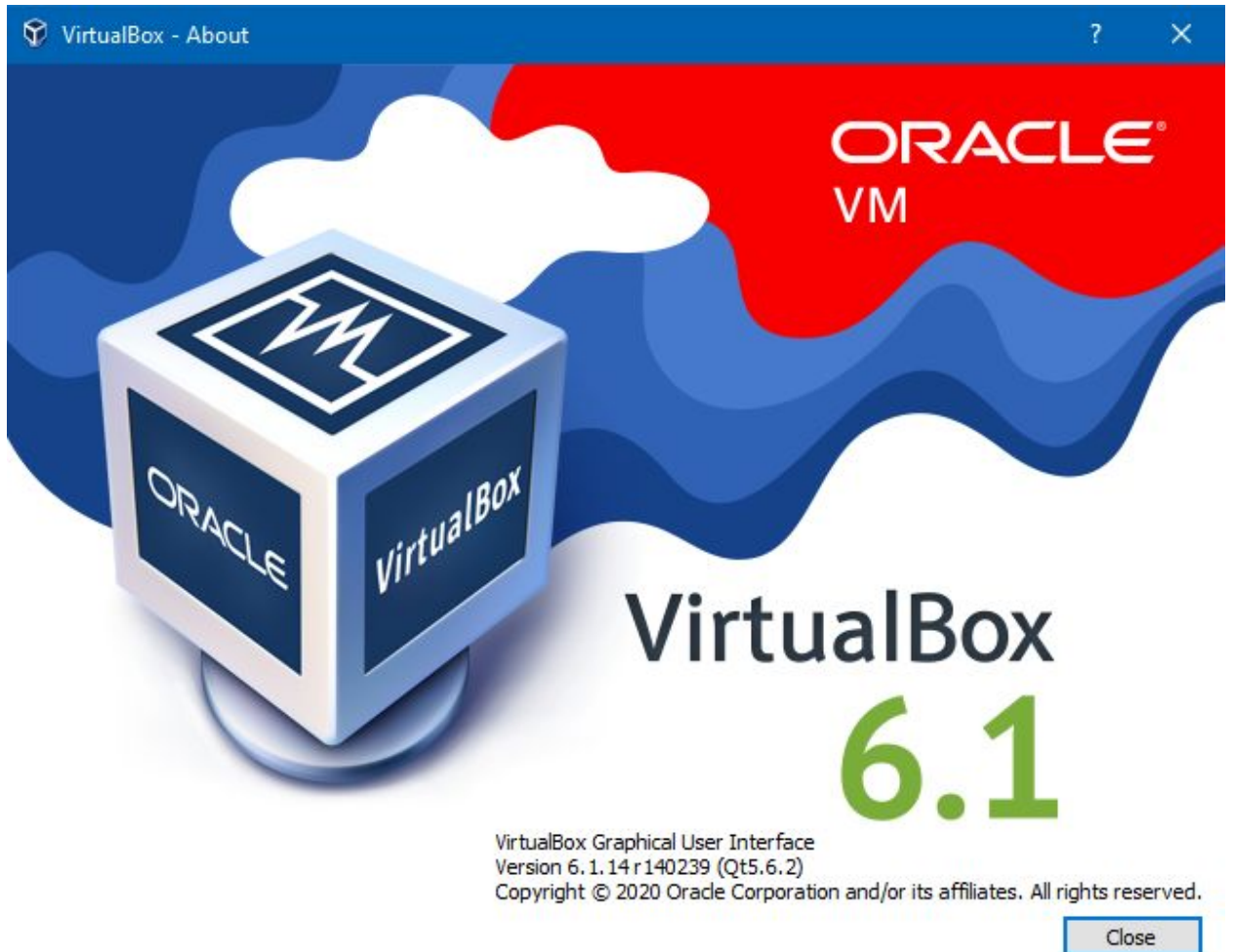
**October 30, 2020**

**Review Questions (p.283-286):**

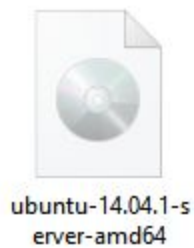
1. False
2. C. iSCSI initiator
3. C. /var/log
4. A. RAID 0
5. C. chroot
6. D. serial RAID
7. A. in RAM
8. D. 5
9. False
10. C. a 50-pin connector
11. B. software RAID
12. B. `zpool create test mirror /dev/sdb /dev/sdc`
13. D. /test
14. A. 1U
15. B. 1
16. False
17. D. all of the above
18. C. slow and narrow
19. A. package selection  
B. boot loader configuration  
C. system host name  
D. update configuration
20. d. `journalctl -b`

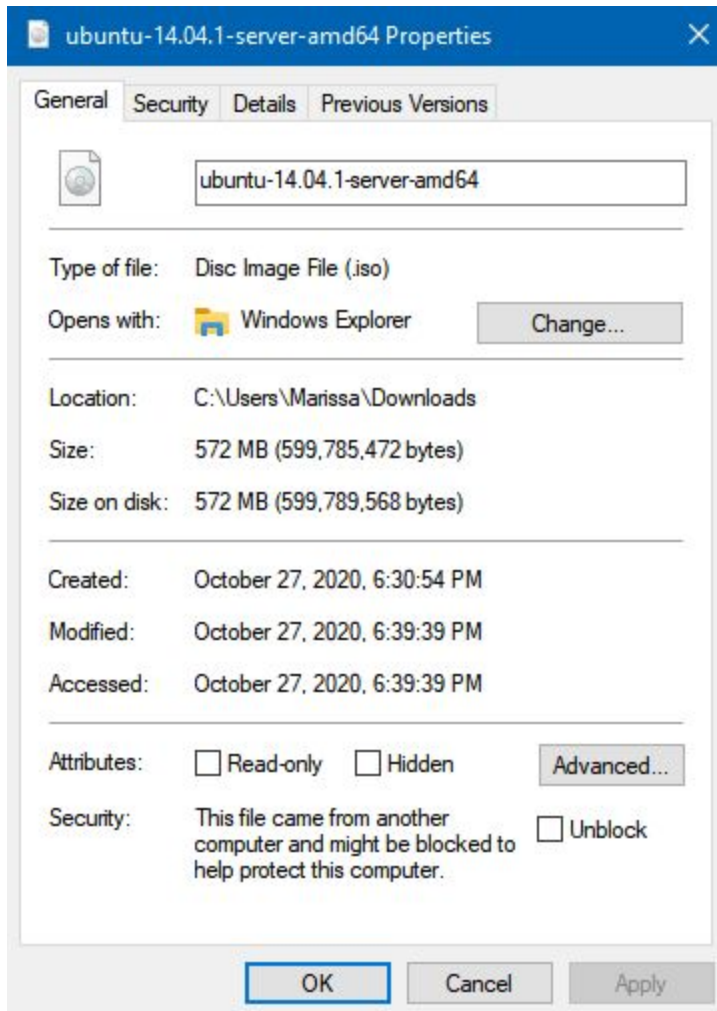
**Project 6 (From Attached Document):**

1.



2.





a.



#### System

Base Memory: 2000 MB  
Boot Order: Optical, Hard Disk  
Acceleration: VT-x/AMD-V, Nested Paging, KVM Paravirtualization


b.



#### Network






Adapter 1: Intel PRO/1000 MT Desktop (Bridged Adapter, Qualcomm Atheros AR956x Wireless Network Adapter)

c.



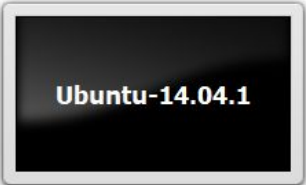








 **Storage**

Controller: IDE  
IDE Secondary Master: [Optical Drive] Empty  
Controller: SATA  
SATA Port 0: Ubuntu-14.04.1.vdi (Normal, 20.00 GB)

d.

New Settings Discard Start

 General	 Preview
<p>Name: Ubuntu-14.04.1 Operating System: Ubuntu (64-bit)</p>	
<p> <b>System</b></p> <p>Base Memory: 2000 MB Boot Order: Optical, Hard Disk, Network Acceleration: VT-x/AMD-V, Nested Paging, KVM Paravirtualization</p>	
<p> <b>Display</b></p> <p>Video Memory: 16 MB Graphics Controller: VMSVGA Remote Desktop Server: Disabled Recording: Disabled</p>	
<p> <b>Storage</b></p> <p>Controller: IDE IDE Secondary Master: [Optical Drive] ubuntu-14.04.1-server-amd64.iso (572.00 MB) Controller: SATA SATA Port 0: Ubuntu-14.04.1.vdi (Normal, 20.00 GB)</p>	
<p> <b>Audio</b></p> <p>Host Driver: Windows DirectSound Controller: ICH AC97</p>	
<p> <b>Network</b></p> <p>Adapter 1: Intel PRO/1000 MT Desktop (Bridged Adapter, Qualcomm Atheros AR956x Wireless Network Adapter)</p>	
<p> <b>USB</b></p> <p>USB Controller: OHCI Device Filters: 0 (0 active)</p>	
<p> <b>Shared folders</b></p> <p>None</p>	
<p> <b>Description</b></p> <p>None</p>	



Install Ubuntu Server  
Multiple server install with MAAS  
Check disc for defects  
Test memory  
Boot from first hard disk  
Rescue a broken system

F1 Help F2 Language F3 Keymap F4 Modes F5 Accessibility F6 Other Options

[!!] Set up users and passwords

A user account will be created for you to use instead of the root account for non-administrative activities.

Please enter the real name of this user. This information will be used for instance as default origin for emails sent by this user as well as any program which displays or uses the user's real name. Your full name is a reasonable choice.

Full name for the new user:

Marissa

<Go Back>

<Continue>

[!!] Set up users and passwords

Select a username for the new account. Your first name is a reasonable choice. The username should start with a lower-case letter, which can be followed by any combination of numbers and more lower-case letters.

Username for your account:

marissa

<Go Back>

<Continue>

[!!] Set up users and passwords

A good password will contain a mixture of letters, numbers and punctuation and should be changed at regular intervals.

Choose a password for the new user:

\*\*\*\*\*

<Go Back>

<Continue>

[!!] Set up users and passwords

Please enter the same user password again to verify you have typed it correctly.

Re-enter password to verify:

\*\*\*\*\*

<Go Back>

<Continue>

[!!] Finish the installation

Installation complete

Installation is complete, so it is time to boot into your new system. Make sure to remove the installation media (CD-ROM, floppies), so that you boot into the new system rather than restarting the installation.

<Go Back>

<Continue>

3.

```
Ubuntu 14.04.1 LTS ubuntu tty1
ubuntu login: marissa
Password:
Welcome to Ubuntu 14.04.1 LTS (GNU/Linux 3.13.0-32-generic x86_64)

* Documentation:  https://help.ubuntu.com/

System information as of Thu Oct 29 12:38:55 EDT 2020

System load:  3.72                Processes:            87
Usage of /:   8.6% of 17.38GB     Users logged in:     0
Memory usage: 3%                 IP address for eth0: 192.168.2.100
Swap usage:   0%

Graph this data and manage this system at:
https://landscape.canonical.com/

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.
```

```
marissa@ubuntu:~$ sudo passwd root
[sudo] password for marissa:
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
```

```
marissa@ubuntu:~$ lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description:    Ubuntu 14.04.1 LTS
Release:        14.04
Codename:       trusty
```



```
marissa@ubuntu:~$ cat /etc/*release
DISTRIB_ID=Ubuntu
DISTRIB_RELEASE=14.04
DISTRIB_CODENAME=trusty
DISTRIB_DESCRIPTION="Ubuntu 14.04.1 LTS"
NAME="Ubuntu"
VERSION="14.04.1 LTS, Trusty Tahr"
ID=ubuntu
ID_LIKE=debian
PRETTY_NAME="Ubuntu 14.04.1 LTS"
VERSION_ID="14.04"
HOME_URL="http://www.ubuntu.com/"
SUPPORT_URL="http://help.ubuntu.com/"
BUG_REPORT_URL="http://bugs.launchpad.net/ubuntu/"
```

4.

```
marissa@ubuntu:~$ su
Password:
root@ubuntu:/home/marissa# apt-get update_
```

```
Hit http://ca.archive.ubuntu.com trusty/universe Sources
Hit http://ca.archive.ubuntu.com trusty/multiverse Sources
Hit http://ca.archive.ubuntu.com trusty/main amd64 Packages
Hit http://ca.archive.ubuntu.com trusty/restricted amd64 Packages
Hit http://ca.archive.ubuntu.com trusty/universe amd64 Packages
Hit http://ca.archive.ubuntu.com trusty/multiverse amd64 Packages
Hit http://ca.archive.ubuntu.com trusty/main i386 Packages
Hit http://ca.archive.ubuntu.com trusty/restricted i386 Packages
Hit http://ca.archive.ubuntu.com trusty/universe i386 Packages
Hit http://ca.archive.ubuntu.com trusty/multiverse i386 Packages
Hit http://ca.archive.ubuntu.com trusty/main Translation-en_CA
Hit http://ca.archive.ubuntu.com trusty/main Translation-en
Hit http://ca.archive.ubuntu.com trusty/multiverse Translation-en
Hit http://ca.archive.ubuntu.com trusty/restricted Translation-en
Hit http://ca.archive.ubuntu.com trusty/universe Translation-en_CA
Hit http://ca.archive.ubuntu.com trusty/universe Translation-en
Ign http://ca.archive.ubuntu.com trusty/multiverse Translation-en_CA
Ign http://ca.archive.ubuntu.com trusty/restricted Translation-en_CA
Reading package lists... Done
```

```
root@ubuntu:/home/marissa# apt-get install init
Reading package lists... Done
Building dependency tree
Reading state information... Done
E: Unable to locate package init
```

```

root@ubuntu:/home/marissa# apt-get install lvm2
Reading package lists... Done
Building dependency tree
Reading state information... Done
lvm2 is already the newest version.
0 upgraded, 0 newly installed, 0 to remove and 324 not upgraded.

```

5.

```

root@ubuntu:/home/marissa# fdisk -l

Disk /dev/sda: 21.5 GB, 21474836480 bytes
255 heads, 63 sectors/track, 2610 cylinders, total 41943040 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
Disk identifier: 0x000c8e81

   Device Boot      Start         End      Blocks   Id  System
/dev/sda1    *        2048       499711       248832   83   Linux
/dev/sda2                501758      41940991      20719617    5   Extended
/dev/sda5                501760      41940991      20719616   8e   Linux LVM

Disk /dev/mapper/ubuntu--vg-root: 19.1 GB, 19100860416 bytes
255 heads, 63 sectors/track, 2322 cylinders, total 37306368 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
Disk identifier: 0x00000000

Disk /dev/mapper/ubuntu--vg-root doesn't contain a valid partition table

Disk /dev/mapper/ubuntu--vg-swap_1: 2092 MB, 2092957696 bytes
255 heads, 63 sectors/track, 254 cylinders, total 4087808 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
Disk identifier: 0x00000000

Disk /dev/mapper/ubuntu--vg-swap_1 doesn't contain a valid partition table

```

6.

```
root@ubuntu:/home/marissa# fdisk /dev/sda

Command (m for help): p

Disk /dev/sda: 21.5 GB, 21474836480 bytes
255 heads, 63 sectors/track, 2610 cylinders, total 41943040 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
Disk identifier: 0x000c8e81

   Device Boot      Start         End      Blocks   Id  System
/dev/sda1  *          2048        499711       248832   83   Linux
/dev/sda2             501758      41940991      20719617    5   Extended
/dev/sda5             501760      41940991      20719616   8e   Linux LVM
```

```
Command (m for help): d
Partition number (1-5): 5
```

```
Command (m for help): p

Disk /dev/sda: 21.5 GB, 21474836480 bytes
255 heads, 63 sectors/track, 2610 cylinders, total 41943040 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
Disk identifier: 0x000c8e81

   Device Boot      Start         End      Blocks   Id  System
/dev/sda1  *          2048        499711       248832   83   Linux
/dev/sda2             501758      41940991      20719617    5   Extended
```

```
Command (m for help): n
Partition type:
   p   primary (1 primary, 1 extended, 2 free)
   l   logical (numbered from 5)
Select (default p): l
Adding logical partition 5
First sector (503806-41940991, default 503806): 36411390
Last sector, +sectors or +size{K,M,G} (36411390-41940991, default 41940991): 38000000
```

Command (m for help): p

Disk /dev/sda: 21.5 GB, 21474836480 bytes  
255 heads, 63 sectors/track, 2610 cylinders, total 41943040 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  
Disk identifier: 0x000c8e81

Device	Boot	Start	End	Blocks	Id	System
/dev/sda1	*	2048	499711	248832	83	Linux
/dev/sda2		501758	41940991	20719617	5	Extended
/dev/sda5		36411390	38000000	794305+	83	Linux

Command (m for help): l

0	Empty	24	NEC DOS	81	Minix / old Lin	bf	Solaris
1	FAT12	27	Hidden NTFS Win	82	Linux swap / So	c1	DRDOS/sec (FAT-
2	XENIX root	39	Plan 9	83	Linux	c4	DRDOS/sec (FAT-
3	XENIX usr	3c	PartitionMagic	84	OS/2 hidden C:	c6	DRDOS/sec (FAT-
4	FAT16 <32M	40	Unix 80286	85	Linux extended	c7	Syrinx
5	Extended	41	PPC PreP Boot	86	NTFS volume set	da	Non-FS data
6	FAT16	42	SFS	87	NTFS volume set	db	CP/M / CTOS / .
7	HPFS/NTFS/exFAT	4d	QNX4.x	88	Linux plaintext	de	Dell Utility
8	AIX	4e	QNX4.x 2nd part	8e	Linux LVM	df	BootIt
9	AIX bootable	4f	QNX4.x 3rd part	93	Amoeba	e1	DOS access
a	OS/2 Boot Manag	50	OnTrack DM	94	Amoeba BBT	e3	DOS R/O
b	W95 FAT32	51	OnTrack DM6 Aux	9f	BSD/OS	e4	SpeedStor
c	W95 FAT32 (LBA)	52	CP/M	a0	IBM Thinkpad hi	eb	BeOS fs
e	W95 FAT16 (LBA)	53	OnTrack DM6 Aux	a5	FreeBSD	ee	GPT
f	W95 Ext'd (LBA)	54	OnTrackDM6	a6	OpenBSD	ef	EFI (FAT-12/16/
10	OPUS	55	EZ-Drive	a7	NeXTSTEP	f0	Linux/PA-RISC b
11	Hidden FAT12	56	Golden Bow	a8	Darwin UFS	f1	SpeedStor
12	Compaq diagnost	5c	Priam Edisk	a9	NetBSD	f4	SpeedStor
14	Hidden FAT16 <3	61	SpeedStor	ab	Darwin boot	f2	DOS secondary
16	Hidden FAT16	63	GNU HURD or Sys	af	HFS / HFS+	fb	VMware VMFS
17	Hidden HPFS/NTF	64	Novell Netware	b7	BSDI fs	fc	VMware VMKCORE
18	AST SmartSleep	65	Novell Netware	b8	BSDI swap	fd	Linux raid auto
1b	Hidden W95 FAT3	70	DiskSecure Mult	bb	Boot Wizard hid	fe	LANstep
1c	Hidden W95 FAT3	75	PC/IX	be	Solaris boot	ff	BBT
1e	Hidden W95 FAT1	80	Old Minix				

Command (m for help): t

Partition number (1-5): 5

Hex code (type L to list codes): 82

Changed system type of partition 5 to 82 (Linux swap / Solaris)

Command (m for help): p

Disk /dev/sda: 21.5 GB, 21474836480 bytes  
255 heads, 63 sectors/track, 2610 cylinders, total 41943040 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  
Disk identifier: 0x000c8e81

Device	Boot	Start	End	Blocks	Id	System
/dev/sda1	*	2048	499711	248832	83	Linux
/dev/sda2		501758	41940991	20719617	5	Extended
/dev/sda5		36411390	38000000	794305+	82	Linux swap / Solaris

Command (m for help): n

Partition type:

- p primary (1 primary, 1 extended, 2 free)
- l logical (numbered from 5)

Select (default p): l

Adding logical partition 6

First sector (503806-41940991, default 503806): 38002049

Last sector, +sectors or +size{K,M,G} (38002049-41940991, default 41940991): 41940991

Command (m for help): p

Disk /dev/sda: 21.5 GB, 21474836480 bytes  
255 heads, 63 sectors/track, 2610 cylinders, total 41943040 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  
Disk identifier: 0x000c8e81

Device	Boot	Start	End	Blocks	Id	System
/dev/sda1	*	2048	499711	248832	83	Linux
/dev/sda2		501758	41940991	20719617	5	Extended
/dev/sda5		36411390	38000000	794305+	82	Linux swap / Solaris
/dev/sda6		38002049	41940991	1969471+	83	Linux

Command (m for help): t

Partition number (1-6): 6

Hex code (type L to list codes): df

Changed system type of partition 6 to df (BootIt)

```
Command (m for help): p
```

```
Disk /dev/sda: 21.5 GB, 21474836480 bytes
255 heads, 63 sectors/track, 2610 cylinders, total 41943040 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
Disk identifier: 0x000c8e81
```

Device	Boot	Start	End	Blocks	Id	System
/dev/sda1	*	2048	499711	248832	83	Linux
/dev/sda2		501758	41940991	20719617	5	Extended
/dev/sda5		36411390	38000000	794305+	82	Linux swap / Solaris
/dev/sda6		38002049	41940991	1969471+	df	BootIt

```
Command (m for help): w
```

```
The partition table has been altered!
```

```
Calling ioctl() to re-read partition table.
```

```
WARNING: Re-reading the partition table failed with error 16: Device or resource busy.
The kernel still uses the old table. The new table will be used at
the next reboot or after you run partprobe(8) or kpartx(8)
Syncing disks.
```

7.

```
root@ubuntu:/home/marissa# pvcreate -ff /dev/sda5
Really INITIALIZE physical volume "/dev/sda5" of volume group "ubuntu-vg" [y/n]? y
Can't open /dev/sda5 exclusively. Mounted filesystem?
root@ubuntu:/home/marissa# pvdisplay
--- Physical volume ---
PV Name               /dev/sda5
VG Name               ubuntu-vg
PV Size               19.76 GiB / not usable 2.00 MiB
Allocatable           yes
PE Size               4.00 MiB
Total PE              5058
Free PE               5
Allocated PE          5053
PV UUID               523pD4-gJn8-Hihw-OuQk-1R2G-FIp5-fKD17d
```

```
root@ubuntu:/home/marissa# vgcreate ubuntu-vg /dev/sda5
/dev/ubuntu-vg: already exists in filesystem
New volume group name "ubuntu-vg" is invalid
Run 'vgcreate --help' for more information.
root@ubuntu:/home/marissa# vdisplay
--- Volume group ---
VG Name                ubuntu-vg
System ID
Format                 lvm2
Metadata Areas         1
Metadata Sequence No   3
VG Access              read/write
VG Status              resizable
MAX LV                 0
Cur LV                2
Open LV                2
Max PV                 0
Cur PV                1
Act PV                 1
VG Size                19.76 GiB
PE Size                4.00 MiB
Total PE               5058
Alloc PE / Size        5053 / 19.74 GiB
Free PE / Size         5 / 20.00 MiB
VG UUID                d0GX1v-BwTc-EqTB-063V-s6Xo-mVZR-2GhmJC
```

```
root@ubuntu:/home/marissa# lvcreate -L 0.01GB -n myvolume ubuntu-vg
Rounding up size to full physical extent 12.00 MiB
Logical volume "myvolume" created
```

```
root@ubuntu:/home/marissa# lvcreate -L 0.007GB -n yourvolume ubuntu-vg
Rounding up size to full physical extent 8.00 MiB
Logical volume "yourvolume" created
```

```
root@ubuntu:/home/marissa# lvsdisplay
```

```
--- Logical volume ---
```

```
LV Path                /dev/ubuntu-vg/root
LV Name                 root
VG Name                 ubuntu-vg
LV UUID                 Setrvk-6usV-LGom-TW90-9FHa-iHCG-9EoMhe
LV Write Access         read/write
LV Creation host, time ubuntu, 2020-10-29 12:09:33 -0400
LV Status               available
# open                  1
LV Size                 17.79 GiB
Current LE              4554
Segments                1
Allocation              inherit
Read ahead sectors     auto
- currently set to     256
Block device            252:0
```

```
--- Logical volume ---
```

```
LV Path                /dev/ubuntu-vg/swap_1
LV Name                 swap_1
VG Name                 ubuntu-vg
LV UUID                 hzQRxu-zQtW-uc4P-qnAz-KhPs-769A-nbFGdA
LV Write Access         read/write
LV Creation host, time ubuntu, 2020-10-29 12:09:33 -0400
LV Status               available
# open                  2
LV Size                 1.95 GiB
Current LE              499
Segments                1
Allocation              inherit
Read ahead sectors     auto
- currently set to     256
Block device            252:1
```



```

--- Logical volume ---
LV Path                /dev/ubuntu-vg/myvolume
LV Name                myvolume
VG Name                ubuntu-vg
LV UUID                cbb1RN-Naq3-MB29-QL73-D0wj-nZes-lYzH4G
LV Write Access        read/write
LV Creation host, time ubuntu, 2020-10-29 14:50:00 -0400
LV Status              available
# open                 1
LV Size                12.00 MiB
Current LE             3
Segments              1
Allocation             inherit
Read ahead sectors     auto
- currently set to    256
Block device           252:2

--- Logical volume ---
LV Path                /dev/ubuntu-vg/yourvolume
LV Name                yourvolume
VG Name                ubuntu-vg
LV UUID                zL2Wrk-ZEh0-d2Zv-9GUU-QFwZ-CDg5-2qf3iJ
LV Write Access        read/write
LV Creation host, time ubuntu, 2020-10-29 14:53:04 -0400
LV Status              available
# open                 1
LV Size                8.00 MiB
Current LE             2
Segments              1
Allocation             inherit
Read ahead sectors     auto
- currently set to    256
Block device           252:3

```

```

root@ubuntu:/home/marissa# cat /etc/fstab
# /etc/fstab: static file system information.
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
#
# <file system> <mount point> <type> <options> <dump> <pass>
/dev/mapper/ubuntu--vg-root / ext4 errors=remount-ro 0 1
# /boot was on /dev/sda1 during installation
UUID=8affdfb9-9b42-47f0-b753-536c263b219d /boot ext2 defaults 0 2
/dev/mapper/ubuntu--vg-swap_1 none swap sw 0 0
root@ubuntu:/home/marissa# blkid
/dev/sda1: UUID="8affdfb9-9b42-47f0-b753-536c263b219d" TYPE="ext2"
/dev/sda5: UUID="523pD4-gJn8-Hihw-OuQk-1R2G-FIp5-fKD17d" TYPE="LVM2_member"
/dev/mapper/ubuntu--vg-root: UUID="62da5a28-56b9-4ddd-91b6-53d3c9357c06" TYPE="ext4"
/dev/mapper/ubuntu--vg-swap_1: UUID="02523a14-e0ef-45d4-b2bf-1f8730df556f" TYPE="swap"

```

8.

```
root@ubuntu:/home/marissa# mke2fs -t ext4 /dev/ubuntu-vg/myvolume
mke2fs 1.42.9 (4-Feb-2014)
Filesystem label=
OS type: Linux
Block size=1024 (log=0)
Fragment size=1024 (log=0)
Stride=0 blocks, Stripe width=0 blocks
3072 inodes, 12288 blocks
614 blocks (5.00%) reserved for the super user
First data block=1
Maximum filesystem blocks=12582912
2 block groups
8192 blocks per group, 8192 fragments per group
1536 inodes per group
Superblock backups stored on blocks:
    8193

Allocating group tables: done
Writing inode tables: done
Creating journal (1024 blocks): done
Writing superblocks and filesystem accounting information: done
```

```
root@ubuntu:/home/marissa# mke2fs -t ext4 /dev/ubuntu-vg/yourvolume
mke2fs 1.42.9 (4-Feb-2014)
Filesystem label=
OS type: Linux
Block size=1024 (log=0)
Fragment size=1024 (log=0)
Stride=0 blocks, Stripe width=0 blocks
2048 inodes, 8192 blocks
409 blocks (4.99%) reserved for the super user
First data block=1
Maximum filesystem blocks=8388608
1 block group
8192 blocks per group, 8192 fragments per group
2048 inodes per group

Allocating group tables: done
Writing inode tables: done
Creating journal (1024 blocks): done
Writing superblocks and filesystem accounting information: done
```

```
root@ubuntu:/home/marissa# mkdir /myvolume
root@ubuntu:/home/marissa# mkdir /yourvolume
```

```
root@ubuntu:/home/marissa# mount /dev/ubuntu-vg/myvolume /myvolume
root@ubuntu:/home/marissa# mount /dev/ubuntu-vg/yourvolume /yourvolume
root@ubuntu:/home/marissa# mount
/dev/mapper/ubuntu--vg-root on / type ext4 (rw,errors=remount-ro)
proc on /proc type proc (rw,noexec,nosuid,nodev)
sysfs on /sys type sysfs (rw,noexec,nosuid,nodev)
none on /sys/fs/cgroup type tmpfs (rw)
none on /sys/fs/fuse/connections type fusectl (rw)
none on /sys/kernel/debug type debugfs (rw)
none on /sys/kernel/security type securityfs (rw)
udev on /dev type devtmpfs (rw,mode=0755)
devpts on /dev/pts type devpts (rw,noexec,nosuid,gid=5,mode=0620)
tmpfs on /run type tmpfs (rw,noexec,nosuid,size=10%,mode=0755)
none on /run/lock type tmpfs (rw,noexec,nosuid,nodev,size=5242880)
none on /run/shm type tmpfs (rw,nosuid,nodev)
none on /run/user type tmpfs (rw,noexec,nosuid,nodev,size=104857600,mode=0755)
none on /sys/fs/pstore type pstore (rw)
/dev/sda1 on /boot type ext2 (rw)
systemd on /sys/fs/cgroup/systemd type cgroup (rw,noexec,nosuid,nodev,none,name=systemd)
/dev/mapper/ubuntu--vg-myvolume on /myvolume type ext4 (rw)
/dev/mapper/ubuntu--vg-yourvolume on /yourvolume type ext4 (rw)
root@ubuntu:/home/marissa#
```