

Thực hành quản lý ổ đĩa
3122410061 Huỳnh Tấn Dương

Hoàn thành 2/2

Câu 1/

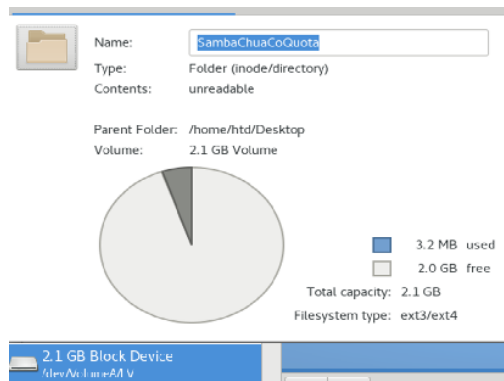
Thực hiện cấu hình Samba và folder mount với ổ đĩa

Device	Boot	Start	End	Blocks	Id	System
/dev/sdb1		2048	2099199	1048576	83	Linux
/dev/sdb2		2099200	4194303	1047552	5	Extended
/dev/sdb5		2101248	4194303	1046528	83	Linux

Device	Boot	Start	End	Blocks	Id	System
/dev/sdc1		2048	2099199	1048576	83	Linux
/dev/sdc2		2099200	4194303	1047552	5	Extended
/dev/sdc5		2101248	4194303	1046528	83	Linux

```
[root@localhost htd]# lvdisplay
--- Logical volume ---
LV Path                /dev/VolumeA/LV
LV Name                 LV
VG Name                 VolumeA
LV UUID                 oq0Kbl-Yg38-4TMr
LV Write Access         read/write
LV Creation host, time localhost.locald
LV Status               available
# open                  1
LV Size                 1.99 GiB

[root@localhost htd]# vgdisplay
--- Volume group ---
VG Name                 VolumeA
System ID               lvm2
Format                  2
Metadata Areas          2
Metadata Sequence No    2
VG Access               read/write
VG Status               resizable
```

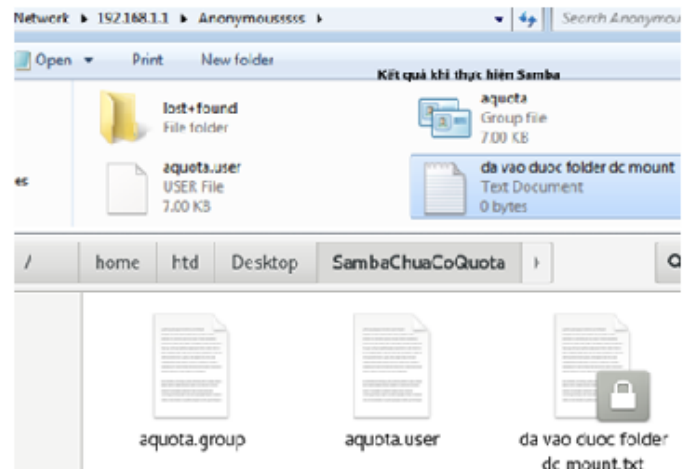


2.1 GB Block Device
/dev/VolumeA/LV

Size 2.1 GB — 2.1 GB free (3.3% full)
Device /dev/VolumeA/LV
UUID dec63e8b-5fc3-457d-9b19-0731bec2cc38
Contents Ext3 (version 1.0) - Mounted at /home/htd/Desktop/SambaChuaCoQuota

```
[Global]
workgroup = WORKGROUP
server string = Samba Server %v
netbios name = centos
map to guest = bad user
dns proxy = no
ntlm auth = yes

[Anonymous]
path = /home/htd/Desktop/SambaChuaCoQuota
browsable = yes
writable = yes
guest ok = yes
read only = no
```



Thực hiện cấu hình Quota với user1

2.1 GB Block Device
/dev/VolumeA/LV

tạo thư mục mới để mount và cấu hình quota

Size 2.1 GB — 2.1 GB free (3.3% full)

Device /dev/VolumeA/LV

UUID dec63e8b-5fc3-457d-9b19-0731bec2dc38

Contents Ext3 (version 1.0) -- Mounted at /home/Disk

Disk quotas for user user1 (uid 1003):

Filesystem	blocks	soft	hard	inodes	soft	hard
/dev/mapper/VolumeA-LV	0	5000	1000	0	0	0

Open

SMB.COM | /etc/

[Shared]

path = /home/Disk

browsable = yes

writable = yes

guest ok = yes

read only = no

file smb.conf

Basic

Permissions

Open With

Folder icon

Name: Shared

Type: Folder (inode/directory)

Size: unknown

Parent Folder: smb://192.168.1.1/

Volume: unknown

Accessed: unknown

Modified: unknown

4.1 kB used

507.9 kB free

Total capacity: 512.0 kB

Filesystem type: cifs

```
[user1@localhost Disk]$ dd if=/dev/zero of=testquota.txt bs=524288 count=1
dm-0: warning, user block quota exceeded.
1+0 records in
1+0 records out
524288 bytes (524 kB) copied, 0.000800377 s, 655 MB/s
```

Tạo 1 file text có kích thước 524288byte (512KB) thì báo quota vì vi phạm soft quota (500KB) nhưng vẫn tạo được vì chưa vi phạm hard quota

```
[user1@localhost Disk]$ dd if=/dev/zero of=testquota.txt bs=524288 count=2
dm-0: warning, user block quota exceeded.
dm-0: write failed, user block limit reached.
dd: error writing 'testquota.txt': Disk quota exceeded
2+0 records in
1+0 records out
1015808 bytes (1.0 MB) copied, 0.00198764 s, 511 MB/s
```

Nhưng khi tạo 2 block 512KB là 1024KB thì vi phạm hard quota 1000KB nên không tạo được và chỉ có thể tạo được file kích thước không mong muốn.



Name: testquota.txt
Type: plain text document (text/plain)
Size: 1.0 MB (1,015,808 bytes)

Câu 2/ Thực hiện trên windows server

<div>Raid 5 (E)</div> <div>1.92 GB free of 1.95 GB</div> <div>Simple Volume (F:)</div> <div>990 MB free of 0.98 GB</div> <div>Spanned (G:)</div> <div>1.95 GB free of 1.97 GB</div> <div>Stripped (H:)</div> <div>1.92 GB free of 1.95 GB</div> <div>Mirrored (I:)</div> <div>990 MB free of 0.98 GB</div>	<div>Disk 1</div> <div>Dynamic 1.97 GB Online</div> <div>Raid 5 (E)</div> <div>1000 MB NTFS Healthy</div> <div>Disk 2</div> <div>Dynamic 1.97 GB Online</div> <div>Raid 5 (E)</div> <div>1000 MB NTFS Healthy</div> <div>Disk 3</div> <div>Dynamic 1.97 GB Online</div> <div>Raid 5 (E)</div> <div>1000 MB NTFS Healthy</div> <div>Disk 4</div> <div>Dynamic 1.97 GB Online</div> <div>Stripped (H:)</div> <div>1000 MB NTFS Healthy</div> <div>Disk 5</div> <div>Dynamic 1.97 GB Online</div> <div>Stripped (H:)</div> <div>1000 MB NTFS Healthy</div>	<div>Simple Volume (F:)</div> <div>1014 MB NTFS Healthy</div> <div>Spanned (G:)</div> <div>1014 MB NTFS Healthy</div> <div>Spanned (G:)</div> <div>1014 MB NTFS Healthy</div> <div>Mirrored (I:)</div> <div>1014 MB NTFS Healthy</div> <div>Mirrored (I:)</div> <div>1014 MB NTFS Healthy</div>
--	---	---

Cấu hình quota trên Raid 5


☒ Limit disk space to MB
 Set warning level to MB

Select the quota logging options for this volume:





Sử dụng user được tạo để Sharing và test Quota


User login name:	htd	@fit.sgu.edu.vn
User login name (pre-Windows 2000):	FIT\	htd


Tạo thử 1 file khoảng 1.2MB thì vẫn tạo được





> Network > 192.168.215.135 > Raid 5 sharing



 Sort ▾

 View ▾



	Name	Date modified	Type	Size
	testDisk.txt	10/28/2024 11:15 AM	Text Document	1,229 KB

Nhưng thử với file khoảng 2.1MB rồi paste vào folder Raid5 sharing thì sẽ báo lỗi

