

# Ubuntu - Extend Your Default LVM Space

```
$ df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
tmpfs	791M	1.2M	790M	1%	/run
/dev/mapper/ubuntu--vg-ubuntu--lv	98G	7.0G	86G	8%	/
tmpfs	3.9G	0	3.9G	0%	/dev/shm
tmpfs	5.0M	0	5.0M	0%	/run/lock
/dev/sda2	2.0G	130M	1.7G	8%	/boot
tmpfs	791M	4.0K	791M	1%	/run/user/1000

```
user@svr1:/etc/netplan$ sudo vgdisplay  
[sudo] password for user:
```

```
--- Volume group ---  
VG Name          ubuntu-vg  
System ID  
Format           lvm2  
Metadata Areas   1  
Metadata Sequence No 2  
VG Access        read/write  
VG Status        resizable  
MAX LV           0  
Cur LV          1  
Open LV          1  
Max PV           0  
Cur PV          1  
Act PV           1  
VG Size          <929.00 GiB  
PE Size          4.00 MiB  
Total PE         237823  
Alloc PE / Size  25600 / 100.00 GiB  
Free PE / Size   212223 / <829.00 GiB  
VG UUID          rF3fw2-13h2-kAiL-aeWA-KyDZ-5HQU-GwvKDe
```

```
user@svr1:/etc/netplan$ sudo lvdisplay  
--- Logical volume ---  
LV Path          /dev/ubuntu-vg/ubuntu-lv  
LV Name          ubuntu-lv  
VG Name          ubuntu-vg  
LV UUID          xUUIxr-wnDl-7Znk-EQpK-gAwb-Wug0-a7JSTb  
LV Write Access  read/write  
LV Creation host, time ubuntu-server, 2023-06-28 23:21:26 +0000  
LV Status        available  
# open           1  
LV Size          100.00 GiB  
Current LE       25600  
Segments        1
```

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```
Allocation                inherit
Read ahead sectors       auto
- currently set to       256
Block device              253:0
```

```
user@svr1:/etc/netplan$ cd
user@svr1:~$ sudo su
root@svr1:/home/user# cd
```

```
root@svr1:~# lvextend -l +100%FREE /dev/ubuntu-vg/ubuntu-lv
```

```
Size of logical volume ubuntu-vg/ubuntu-lv changed from 100.00 GiB (25600
extents) to <929.00 GiB (237823 extents).
Logical volume ubuntu-vg/ubuntu-lv successfully resized.
root@only1:~#
```

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