

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

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

```
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@svr1:~#
```

Run `lvdisplay` once more to verify that that the logical volume was successfully resized.

```
root@svr1:~# 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                 <929.00 GiB
Current LE              237823
Segments                1
Allocation              inherit
Read ahead sectors      auto
- currently set to      256
Block device            253:0
```

```
root@svr1:~#
```

From:
<https://installconfig.com/> - Install Config Wiki

Permanent link:
https://installconfig.com/doku.php?id=ubuntu_extend_default_lvm_space&rev=1688063206

Last update: **2023/06/29 18:26**

