

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@only1:~#
```

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

```
root@only1:~# 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@only1:~#
```

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

Permanent link:
https://installconfig.com/doku.php?id=ubuntu_extend_default_lvm_space&rev=1688063150

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