

# Ubuntu - Extend Your Default LVM Space

```
</code> $ 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
frank@only1:/etc/netplan$ vgdisplay
```

```
WARNING: Running as a non-root user. Functionality may be unavailable.
/run/lock/lvm/P_global:aux: open failed: Permission denied
```

```
frank@only1:/etc/netplan$ sudo vgdisplay [sudo] password for frank:
```

1. - 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
```

```
frank@only1:/etc/netplan$ sudo lvdisplay
```

1. - 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
```

Last update: 2023/06/29 18:11 ubuntu\_extend\_default\_lvm\_space [https://www.installconfig.com/doku.php?id=ubuntu\\_extend\\_default\\_lvm\\_space&rev=1688062275](https://www.installconfig.com/doku.php?id=ubuntu_extend_default_lvm_space&rev=1688062275)

```
Current LE          25600
Segments           1
Allocation          inherit
Read ahead sectors auto
- currently set to 256
Block device        253:0
```

```
frank@only1:/etc/netplan$ cd frank@only1:~$ sudo su root@only1:/home/frank# cd root@only1:~#
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:~#
```

</code>

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

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