

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

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:
--- 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
--- 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
```

```
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:~#
```

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

Permanent link: https://www.installconfig.com/doku.php?id=ubuntu_extend_default_lvm_space&rev=1688062336

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