

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://installconfig.com/> - **Install Config Wiki**

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

Last update: **2023/06/29 18:12**

