Expanding a LVM on Ubuntu 22.04

Get Started

- Begin by opening a terminal and running the following command:

```
lvdisplay
```

This command will display the volume groups.

You should see something like this:

```
--- Logical volume ---
LV Path                /dev/ubuntu-vg/ubuntu-lv
LV Name                ubuntu-lv
VG Name                ubuntu-vg
LV UUID                eIxgxf-ABCD-EFGH-IJKL-MNOP-QRsT-UVWxYz
LV Write Access        read/write
LV Creation host, time ubuntu, 2023-06-27 08:00:00 +0000
LV Status              available
# open                 1
LV Size                50.00 GiB
Current LE             12800
Segments               1
Allocation             inherit
Read ahead sectors     auto
- currently set to     256
Block device           253:0
```

You can find the volume we will be expanding by looking at the `LV Path` it should be something like `/dev/ubuntu-vg/ubuntu-lv`.

- Next, you need to expand the volume. Run the following command:

```
lvextend -l +100%FREE /dev/ubuntu-vg/ubuntu-lv
```

This command will expand the volume to use all available space.

- Finally, you need to expand the filesystem. Run the following command:

```
resize2fs /dev/ubuntu-vg/ubuntu-lv
```

This command will expand the filesystem to use all available space.

Finished

You now have a LVM that has been expanded to use all available space.

Revision #1
Created 19 July 2024 20:46:04 by Liam
Updated 19 July 2024 20:47:13 by Liam