

How can I modify the size of swap with LVM partitions?

 askubuntu.com/questions/226520/how-can-i-modify-the-size-of-swap-with-lvm-partitions

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I'm trying to add/modify a swap partition on my LVM-formatted hard disk by using GParted from a LiveCD. I only see one big partition taking up the whole disk.

Is there a hidden swap?

Does an LVM-formatted system even need a swap?

I'm using Ubuntu 12.10.

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I do not like using GParted, partially because most of my servers are without GUI.

Here's how to extend a swap setup as a logical volume:

1) Determine the name of the swap logical volume using the "lvs" command:

```
$ lvs
LV VG Attr LSize Origin Snap% Move Log Copy%
root_lv volgroup0 -wi-ao 7.00G
swap_lv1 volgroup0 -wi-ao 30.00G
tmp_lv volgroup0 -wi-ao 3.00G
usr_lv volgroup0 -wi-ao 7.00G
var_lv volgroup0 -wi-ao 4.00G
```

2) Turn off the swap partition:

```
$ swapoff /dev/volgroup0/swap_lv1
```

3) Resize the swap partition, adding 15GB more space to it:

```
$ lvresize -L+15G /dev/volgroup0/swap_lv1
Extending logical volume swap_lv1 to 30.00 GB
Logical volume swap_lv1 successfully resized
```

4) Format the new swap space to make it usable:

```
$ mkswap /dev/volgroup0/swap_lv1
Setting up swapspace version 1, size = 41875927 kB
```

5) Turn the swap volume back on:

```
$ swapon /dev/volgroup0/swap_lv1
```

6) Use free command to show your new swap space:

```
$ free -t | grep -i swap  
Swap: 30719 0 30719
```

answered Jun 3 '13 at 21:11



kobaltz

38135

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Whether you use LVM or not has nothing to do with whether you need swap or not.

To view LVM logical volumes, run `lvs` on the command line, or use the GNOME Disks utility.

The version of GParted that ships with Ubuntu 12.10 does not support LVM. It only sees physical volumes, and cannot resize or move them.

However, the latest version of GParted does support LVM. I would download the [GParted Live CD](#) and use that.

answered Dec 7 '12 at 16:41



Flimm

22.4k1564123

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