

# LVM: Reduce SWAP size by removing a Logical Volume

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## LVM: Reduce SWAP size by removing a Logical Volume

```
# Tested on RHEL 5, 6 & 7

# Check current swap volume(s) and its size

root@<server>:/#> cat /etc/fstab | grep swap
/dev/rvg/swaplv          swap          swap
defaults                0 0
/dev/rvg/newswaplv     swap          swap
defaults                0 0

root@<server>:/#> free -m
              total          used         free       shared    buffers
cached
Mem:          11239           392       10846           0         102
120
-/+ buffers/cache:          169       11069
Swap:         15039             0
15039                                     <-----

root@<server>:/#> cat /proc/swaps
Filename                                Type              Size
Used   Priority
/dev/mapper/rvg-swaplv                  partition
14352376          0          -1
```

```
/dev/mapper/rvg-newswaplpartition 1048568  
0 -2
```

```
# We will reduce swap space by removing /dev/mapper/rvg-newswaplLogical Volume
```

```
# Disable swapping on selected LV
```

```
root@<server>:/#> swapoff /dev/rvg/newswaplv
```

```
# Check new size and partitions being used by swap
```

```
root@<server>:/#> free
```

	total	used	free	shared	buffers
cached					
Mem:	11508864	401412	11107452	0	104992
123432					
-/+ buffers/cache:		172988	11335876		
Swap:	14352376	0			
14352376				<----	

```
root@<server>:/#> cat /proc/swaps
```

Filename	Used	Priority	Type	Size
/dev/mapper/rvg-sw <span style="float:right">apl<span style="float:right">v</span></span>			partition	
14352376	0	-1		

```
# Remove following line from /etc/fstab to prevent system from mounting removed LV
```

```
/dev/rvg/newswaplv          swap          swap
defaults                    0 0

# If necessary, completely remove Logical Volume

# root@<server>:/#> lvremove /dev/rvg/newswaplv
# Do you really want to remove active logical volume newswaplv?
[y/n]: y
# Logical volume "newswaplv" successfully removed
```

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