

Moving most consuming directory to the separate disk

In my case, one directory is consuming most of the disk space dedicated for the system.

Stop the service.

```
systemctl stop wazuh*
systemctl | grep wazuh
```

Rename directory

```
export src="/var/ossec"
mv ${src} ${src}.backup
```

Configure LVM, mount disk to the location [guide](#), but do not create directory not mount the disk.

```
mkdir -p ${src}
export host=$(hostname)
mount /dev/vg- $\{host\}$ -data/lv- $\{host\}$ -data ${src}
df -h
```

Add mount point to the fstab. Copy needed line to the buffer and paste it into the /etc/fstab

```
mount | grep  $\{host\}$ 
```

```
/dev/mapper/vg-- $\{host\}$ --data-lv-- $\{host\}$ --data on /var/ossec type ext4 (rw,relatime)
```

```
vi /etc/fstab
```

```
/dev/mapper/vg-- $\{host\}$ --data-lv-- $\{host\}$ --data /var/ossec ext4 errors=remount-ro 0 1
```

```
systemctl daemon-reload
mount -a
df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
/dev/root	29G	20G	8.5G	70%	/
tmpfs	2.0G	0	2.0G	0%	/dev/shm
tmpfs	783M	1000K	782M	1%	/run
tmpfs	5.0M	0	5.0M	0%	/run/lock
efivarfs	56K	24K	27K	48%	/sys/firmware/efi/efivars
/dev/sda16	881M	70M	749M	9%	/boot
/dev/sda15	105M	6.1M	99M	6%	/boot/efi
tmpfs	392M	12K	392M	1%	/run/user/1003
/dev/mapper/vg--host--data-lv--host--data		98G	24K	93G	1% /var/ossec

Run the screen (tmux). Move files from backup to new destination

```
tmux a
sudo su
apt install rsync
export src="/var/ossec"
# trailing slash matters! telling copy content, nor directory itself.
rsync -avAXH --progress ${src}.backup/ ${src}
```

Verify integrity (output must be empty)

```
# checksums, permissions, timestamps
rsync -avcn --delete ${src}.backup ${src}

# content only
diff -qr ${src}.backup ${src}
```

Verify size

```
du -s ${src}
```

```
8905080 /var/ossec
```

```
du -s ${src}.backup
```

```
8905676 /var/ossec.backup
```

Perform VM restart to ensure disk will be mounted and service is working properly

```
shutdown -r now
```

Once happy, remove source

```
export src="/var/ossec"  
rm -rf ${src}.backup
```

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