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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